

Notice and Agenda Regular City Council Meeting

City Council Chambers - City Hall 10 E Mesquite Blvd. TUESDAY, MARCH 22, 2022 - 5:00 PM

Below is an agenda of all items scheduled to be considered. Unless otherwise stated, items may be taken out of the order presented on the agenda at the discretion of the Mayor and Council. Additionally, the Mayor and Council may combine two or more agenda items for consideration, and may remove an item from the agenda or delay discussion relating to an item on the agenda at any time. Public comment is limited to three minutes per person.

Ceremonial Matters

- INVOCATION Pastor Bill Montgomery, First Baptist Church
- PLEDGE OF ALLEGIANCE

1. Public Comments

During the Public Comment portion of the agenda, comments are to be limited to matters not appearing on the agenda or do not provide for specific public comment under another agenda item. Public Comment will be provided on each agenda under each specific item of business. Any public comment shall be addressed to the Mayor, moderator, or chair of the public body and shall be direct so as to form a view point of an issue. All public comments shall be limited to three (3) minutes, unless specifically extended upon request to the Mayor, moderator, or chair of the public body. Derogatory comments of non-public individuals or another public commenter shall not be permitted. The Mayor, moderator, or chair of the public body may limit the individual's comment period if proper decorum is not observed. Items raised under this portion of the agenda cannot be deliberated or acted upon until the notice provisions of the Nevada Open Meeting Law have been met. If you wish to speak at this time, please step up to the podium, and clearly state your name.

1.1. Public Comment Cover Page

2. Consent Agenda

Items on the Consent Agenda may not require discussion. These items may be a single motion unless removed at the request of the Mayor, City Council, or City Manager.

- 2.1. Consideration for approval of the Tuesday, March 22, 2022 Regular City Council Meeting agenda and the March 1, 2022 Technical Review Meeting minutes.
 - Public Comment
 - Discussion and Possible Action

Cover Page

m03-01-22 TRM.docx

- 2.2. Consideration of approval of:
 - a) Notification of Budget Transfers
 - b) Notification of Budget Amendments
 - c) Notification of Bills Paid
 - d) Purchase Orders
 - Public Comment
 - Discussion and Possible Action

Cover Page

Check Register - City Council Agenda 2.24.22 to 3.08.22.pdf

City Council - Budget Trsfrs & POS 03.22.22.pdf

- 2.3. Consideration of Bid Award for Thomas Edison Court & Storm Drain Improvement Project.
 - Public Comments
 - Discussion and Possible Action

Cover Page

BidAbstract.pdf

BidProposals.pdf

BidSpecifications.pdf

ImprovementPlans 14Feb22.pdf

BidOpening RecordofSubmittals.pdf

3. Special Items

- 3.1. Presentation of the NDOT Sustainable Transportation Funding Alternative Study.
 - Public Comment
 - Discussion and Possible Action

Cover Page

4. <u>Department Reports</u>

4.1. Mayor's Comments and Reports

Cover Page

4.2. City Council and Staff Comments and Reports

Cover Page

5. Administrative Items

- 5.1. Consideration of Approval of a Restaurant with Service Bar Liquor License for Thai House located at 430 North Sandhill Blvd.
 - Public Comment
 - Discussion and Possible Action

Cover Page

Thai House Liquor License App.pdf

- 5.2. Consideration for approval of the Architectural and Site Plan Review Case No. ASR-22-002 (Crown Mesquite), a 350,373 square foot aluminum can manufacturer on 63 acres in Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer Boulevard.
 - Public Comment
 - Discussion and Possible Action

Cover Page

ASR 22-0002 Crown Mesquite Council Staff Memo.doc

Crown App & Plans.pdf

General Vicinity Map for ASR-22-002 Crown Mesquite.pdf

Crown Holdings Manufacturing TIS FINAL STAMPED (1).pdf

- 5.3. Consideration for approval of a Conditional Use Permit Case No. CUP-22-002 (Crown Mesquite), a building height of 42' 10", where the base standard is 2 story's / 35 feet, in the Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer Boulevard.
 - Public Hearing
 - Discussion and Possible Action

Cover Page

General Vicinity Map for CUP-22-002 Crown Mesquite.pdf

CUP-22-002 Crown Staff Memo.docx

CUP-22-002 App & Plans.pdf

- 5.4. Discussion regarding the former First Baptist Church property whether to Lease or Sell.
 - Public Comment
 - Discussion and Possible Action

Cover Page

Memo 700 Hardy Way.pdf

6. Public Comments

After all council business has concluded, the final Public Comment portion of the agenda shall be open to all viewpoint comments, including agendized items. Any public comment shall be addressed to the Mayor, moderator, or chair of the public body and shall be direct so as to form a viewpoint of an issue. All public comments shall be limited to three (3) minutes, unless specifically extended upon request to the Mayor, moderator, or chair of the public body. Derogatory comments of non-public individuals or another

public commenter shall not be permitted. The Mayor, moderator, or chair of the public body may limit the individual's comment period if proper decorum is not observed. Items raised under this portion of the agenda cannot be deliberated or acted upon until the notice provisions of the Nevada Open Meeting Lawhave been met. If you wish to speak at this time, please step up to the podium, and clearly state your name.

6.1. Public Comment Cover Page

7. Adjournment

7.1. Adjournment

Cover Page

Note: Please be advised that the Standing Rules of the City Council are available for your information and posted in the bulletin board on the first floor of City Hall. The Standing Rules govern the conduct of City Council Meetings. These Standing Rules may be acted upon and utilized by the Mayor and City Council at any City Council Meeting.

To obtain any or all supporting materials for this Agenda, please contact the Clerk's Office at 702-346-5295.

Members of the public who are disabled and require special assistance or accommodation at the meeting are requested to notify the City Clerk's Office -City Hall in writing at 10 E. Mesquite Blvd., Mesquite, NV, 89027 or by calling 346-5295 twenty-four hours in advance of the meeting.

THIS NOTICE AND AGENDA HAS BEEN POSTED ON OR BEFORE 9:00 AM ON THE THIRD WORKING DAY BEFORE THE MEETING AT THE FOLLOWING LOCATIONS:

- 1. Mesquite City Hall, 10 E. Mesquite Blvd., Mesquite, Nevada
- 2. Mesquite Community & Senior Center, 102 W. Old Mill Road, Mesquite, Nevada
- 3. Mesquite Post Office, 510 W. Mesquite Blvd., Mesquite, Nevada
- 4. Mesquite Library, 121 W. First North, Mesquite, Nevada

The agenda is also available on the Internet at http://www.mesquitenv.gov and http://nv.gov

RULES OF PROCEDURE

1. Authority:

1.1 The Mesquite City Charter Article II, Section 2.060(2), Provides that the City Council may adopt rules for the government of its members and its meetings; These Rules of Procedure shall be in effect upon their adoption by the Council and until such time as they are amended or new rules are adopted in the manner provided by these Rules of Procedure.

2. <u>General Rules:</u>

2.1. **PUBLIC MEETINGS**: All meetings of the Council shall be open to the public, expect those provided in NRS 241 and 288. The agenda and backup material shall be open to public inspection in the City Clerk's Office.

- 2.2 **QUORUM:** A majority of the members of the Council shall constitute a quorum and be necessary for the transaction of business. If a quorum is not present, those in attendance will be named and they shall adjourn to a later time.
- 2.3 **MINUTES:** A written account of all proceedings of the Council shall be kept by the City Clerk and shall be entered into the official records of the Council.
- 2.4 **RIGHT TO FLOOR:** Any member desiring to speak shall be recognized by the chair, and shall confine his remarks to the item under consideration.
- 2.5 **CITY MANAGER:** The City Manager or his/her designee shall attend all meetings of the Council. The City Manager may make recommendations to the Council and shall have the right to take part in all discussions of the Council, but shall have no vote.
- 2.6 **CITY ATTORNEY**: The City Attorney or Deputy City Attorney shall attend all meetings of the Council and shall, upon request, given an opinion, either written or verbal, on questions of the law.
- 2.7 **CITY CLERK**: The City Clerk or Deputy City Clerk shall attend all meetings of the Council and shall keep the official minutes and perform such other duties as required by the Council.
- 2.8 **OFFICERS AND STAFF:** Department heads of the City, when there is pertinent business from their departments on the Council agenda, shall attend such Council meetings upon request of the City Manager.
- 2.9 **RULES OF ORDER:** "Roberts Rules of Order Newly Revised" 11th Edition shall govern the proceedings of the Council in all cases, provided they are not in conflict with these rules.

3. Types of Meetings:

- 3.1 **REGULAR CITY COUNCIL MEETINGS**: The City Council shall meet in regular session at 5:00 p.m. on the second and fourth Tuesday of each month. The City Council may, as it deems necessary, schedule a regular meeting on a date other than the second and fourth Tuesday of each month, in accordance with Article II, Section 2.040 of the Mesquite City Charter and the provisions of Nevada Revised Statutes ("NRS") chapter 241.
- 3.2 **TECHNICAL REVIEW MEETINGS**: Pursuant to Article II, Section 2.040(2) of the Mesquite City Charter, the City Council shall hold Technical Review Meeting at 1:30 p.m. on the first and third Tuesday of each month. The purpose of Technical Review Meetings shall be to establish the business to be heard for only the next relevant Regular City Council meeting and other matters properly related thereto.
- 3.3 **ROLE OF MAYOR:** The Mayor shall preside over both Technical Review Meetings and Regular City Council Meetings. The Mayor may decide in what order to take business from the Agenda. In the Mayor's absence, the Mayor Pro Tem shall fulfill the role of the Mayor. If both the Mayor Pro Tem and the Mayor are absent, the City Council shall choose by majority vote a temporary chair who shall fulfill the administrative duties of presiding over the City Council Meeting. Nothing in this provision shall either abridge or delegate the duties of the Mayor, Mayor Pro Tem or the City Council as provided in Article III of the Mesquite City Charter, except as to the sole issue of fulfilling administrative duties and conducting and directing business during a meeting.
- 3.4 **PLACE OF MEETINGS**: The City Council herewith designates as its Council Chambers, for the conduct of all regular meetings, the Council Chambers in City Hall located at 10 East Mesquite Boulevard, Mesquite, Nevada, or such other place as the City Council may from time to time determine.
- 3.5 **SPECIAL MEETINGS**: Special meetings of the City Council include any meeting other than its regular meetings of a quorum of the City Council not exempted from the requirements of NRS Chapter 241. Special meetings of the City

- Council may be called by the Mayor or a majority of the City Council in compliance with Article II, Section 2.050 of the Mesquite City Charter and the provisions of NRS chapter 241.
- 3.6 **ADJOURNED MEETINGS**: Any meeting of the City Council may be continued or adjourned from day to day by a call of the Mayor or Councilmember and ratified by a majority vote, and in accordance with an agenda noticed pursuant to NRS chapter 241, but not beyond the next scheduled regular meeting.
- 3.7 **EXECUTIVE SESSIONS**: Executive sessions, closed meetings or non-public meetings may be held in accordance with the provisions of NRS chapters 241 and 288.220.

4. <u>Duties of Presiding Officer and Meeting Decorum</u>

- 4.1 **PRES IDING OFFICER:** The Mayor, when present, shall preside as Chairman at all meetings of the City Council. In the absence of the Mayor, the Mayor Pro Tern shall preside; in the absence of the Mayor and Mayor Pro Tern, the quorum of present Councilmembers shall choose a presiding officer. The Presiding Officer of any meeting of the City Council shall have the same right as any other member of the City Council to initiate a motion, question or debate. The Presiding Officer shall preserve order and decorum, and confine Councilmembers in debate to the question under discussion.
- 4.2 **COUNCIL VOTE**: Unless a roll call vote is requested or necessitated due to a malfunction of the electronic vote system, the vote on any motion, resolution or ordinance shall be cast electronically and displayed for public view.
- 4.3 **DECORUM OF THE DAIS:** During meetings, all persons present shall assist in preserving order and decorum by limiting conversation and the use of cellular devices that may delay or interrupt the proceedings.
- 4.4 **POINTS OF ORDER:** Any Councilmember may at any time raise a point of order objection as appropriate by stating the phrase "Point of Order." The Councilmember shall be afforded the opportunity to explain his or her point of order objection to the Mayor. The Mayor shall rule on the point of order. The Mayor may seek advice from the City Clerk in ruling upon any point of order. If the Mayor's ruling is against the Council member's call for the Point of Order, a vote of the Council may be requested.

5. Order of Business and Agenda

- 5.1 **AGENDA:** The order of business of each meeting shall be as contained in the agenda in accordance with NRS 241 prepared by the City Clerk and approved by the City Manager. The agenda shall be delivered to members of the Council at least three (3) working days preceding the meeting to which it pertains.
- 5.2 **SPECIAL INTERES T/PRES ENTATION ITEMS**: Unless otherwise approved by the City Manager, and in order to provide for the effective administration of City Council business, a maximum of four (4) items of special interest or presentation shall be scheduled on one agenda. Special Interest/Presentation items must appear on the agenda and it is not appropriate for presentations to be made during the public comment portion of the meeting.

6. Voting

- 6.1 All voting procedures shall be in accordance with Parliamentary Authority.
- 6.2 **POINT OF INFORMATION:** This is a request by a Council member, directed to the Presiding Officer or appropriate individual for information relevant to the pending item. A Point of Information takes precedence over a main motion, is not debatable, is not amendable, is not superseded by other motions, and is ruled on for appropriateness by the Presiding Officer.
- 6.3 **ABS TENTIONS:** A member may abstain from voting for any reason s/he deems appropriate.
- 6.4 **FAILURE OF AFFIRMATIVE MOTION:** The failure of a motion calling for affirmative action is not the equivalent of the passage of a motion calling for the opposite negative action. The failure of such affirmative motion constitutes no action.

- 6.5 **FAILURE OF NEGATIVE MOTION:** The failure of a motion calling for a negative action is not the equivalent of the passage of a motion calling for the opposite affirmative action. The failure of such a negative motion constitutes no action.
- 6.6 **LACK OF PASS AGE OF A MOTION:** In some instances (maps in particular, per NRS) lack of passage of a motion may result in the item being "deemed approved." In other instances no action may result in confusion and complication for the applicant. In all cases the City Council will strive to achieve a decision or action.

7. <u>Citizens' Rights</u>

- 7.1 **ADDRES S ING THE CITY COUNCIL:** Any person desiring to address the Council by oral communication can do such during Public Comments (at the beginning and closing of the meeting), or on a particular item on the agenda.
- 7.2 **TIME LIMIT:** Each person addressing the Council shall step to the microphone, shall give his/her name in an audible tone of voice for the record and, unless further time is granted by the Presiding Officer, shall limit the time of his/her comments to three (3) minutes.
- 7.3 **PUBLIC COMMENT CONTENT**: The presiding officer or the majority of City Council may prohibit comment if the content of the comments is a topic that is not relevant to, or within the authority of, the public body, or if the content of the comments is willfully disruptive of the meeting by being irrelevant, repetitious, slanderous, offensive, inflammatory, irrational, or amounting to personal attacks or interfering with the rights of other speakers.
- 7.4 **DIS RUPTIVE CONDUCT:** Any person who willfully disrupts a meeting to the extent that its orderly conduct is made impractical may be removed from the meeting by order of the Presiding Officer or majority of the City Council. A person willfully disrupts a meeting when s/he (1) uses physical violence, threatens the use of physical violence or provokes the use of physical violence, or (2) continues to use loud, boisterous, unruly, or provocative behavior after being asked to stop, which behavior is determined by the Presiding Officer or a majority of the City Council present to be disruptive to the orderly conduct of the meeting, or (3) fails to comply with any lawful decision or order of the Presiding Officer or of a majority of the City Council relating to the orderly conduct of the meeting.

7.5 WRITTEN COMMUNICATIONS:

- a. In General: Interested parties or their authorized representatives may address the Council by written communication in regard to any matter concerning the City's business or over which the Council has control at any time by direct mail to Council members, email, or by addressing it to the City Clerk and copies will be distributed to the Council members.
- b. At City Council Meetings: Except as provided in subsection c, written communications will not be read at City Council meetings, but will be attached to the item as part of the record, tallied, and reported by the City Clerk as generally in favor of or against the proposition.
- c. Exceptions: A written communication to the City Council may be read by City staff at a City Council meeting when (1) the person making the written communication has asked it be read aloud, (2) the person is unavailable to be at the meeting due to emergency or illness, (3) the written communication can be read in an ordinary cadence within three minutes, and (4) the person's name appears on the written communication and will be read into the record.

8. <u>Suspension and Amendment of These Rules</u>

- 8.1 **SUSPENSION OF THESE RULES**: Any provision of these rules not governed by law may be temporarily suspended by a majority vote of the City Council.
- 8.2 **AMENDMENT OF THESE RULES:** These rules may be amended, or new rules adopted, by a majority vote of all members of the City Council, provided that the proposed amendments or new rules have been introduced into the records at a prior City Council meeting.



AGENDA ITEM
City Council Meeting
Meeting Date: March 22, 2022
Submitted by: Tracy Beck

Submitted by: Tracy Beck Submitting Department: City Clerk

| | Public Comments |
|--|-----------------|
| Public Comment | |
| PETITIONER: Tracy E. Beck, City Clerk DEPARTMENT: City Clerk | |
| RECOMMENDATION: | |
| Background: | |
| Fiscal Impact: None | |
| Budgeted Item: No | |
| Attachments: | |



AGENDA ITEM
City Council Meeting
Meeting Date: March 22, 2022
Submitted by: Tracy Beck

Submitting Department: City Clerk

Consent Agenda

| Consideration for approval of the Tuesday, March 22, 2022 Regular City Council Meeting agenda and the March 1, 2022 Technical Review Meeting minutes. |
|---|
| - Public Comment - Discussion and Possible Action |
| PETITIONER: Tracy E. Beck, City Clerk DEPARTMENT: City Clerk |
| RECOMMENDATION: |
| Approve the Tuesday, March 22, 2022 Regular City Council Meeting agenda and the March 1, 2022 Technical Review Meeting minutes. |
| Background: |
| Fiscal Impact: None. |

Attachments:

Budgeted Item: No

• m03-01-22 TRM.docx



Mesquite Technical Review

Meeting Minutes
Mesquite City Hall
10 E. Mesquite Blvd.

Tuesday, March 1, 2022 – 2:30 PM

Minutes of a scheduled meeting of the City Council held Tuesday, March 1, 2022 at 2:30 pm at City Hall. In attendance were Mayor Allan S. Litman, Council members Wes Boger, Karen Dutkowski, George Gault, and Brian Wursten. Sandra Ramaker was excused. Also in attendance Deputy City Manager Martine Green; City Attorney Bryan Pack; Finance Director Nikki Thorn; City Clerk Tracy E. Beck, Deputy City Clerk Julie Goodsell other city staff and approximately 1 citizen.

Mayor Litman called the meeting to order at 2:30. (Note: This meeting was recorded and will be retained in the City Clerk's Office for one year).

Below is an agenda of all items scheduled to be considered. Unless otherwise stated, items may be taken out of the order presented on the agenda at the discretion of the Mayor and Council. Additionally, the Mayor and Council may combine two or more agenda items for consideration, and may remove an item from the agenda or delay discussion relating to an item on the agenda at any time. Public comment is limited to three minutes per person.

1) Public Comments

1.1 Public Comment

Minutes:

Mayor Litman opened the meeting to Public Comment. There were no speakers.

Minutes:

Mayor Litman: Before we move on to the Consent Agenda, do we have anything to add?

Minutes:

Martine Green: Yes, I would like to add the Nevada League of Cities presentation, Wesley Harper. He would just like to come do a presentation.

Council member Boger moved to add the Nevada League of Cities presentation to the Tuesday, March 8, 2022 Regular City Council Meeting agenda. Council Member Gault seconded the motion.

Passed For: 4; Against: 0; Abstain: 0; Absent: 1 Council member Ramaker

Minutes;

Tracy Beck: I would like to add Feb 8, 2022 Regular City Council Minutes. Because then it would wait another three weeks.

Minutes:

Mayor Litman: Ok, so we have minutes to add to the Consent Agenda for next meeting.

Council member Boger moved to add the February 8, 2022 Regular City Council Meeting Minutes to the Consent Agenda for Tuesday, March 8, 2022. Council Member Gault seconded the motion.

Passed For: 4; Against: 0; Abstain: 0; Absent: 1 Council member Ramaker

2) Consent Agenda

- 2.1 Consideration for approval of the Tuesday, March 8, 2022 Regular City Council Meeting agenda and the February 15. 2022 Technical Review Meeting minutes.
- Public Comment
- Discussion and Possible Action

Minutes:

Mayor Litman read this item as its title.

- 2.2 Consideration of approval of:
- a) Notification of Budget Transfers
- b) Notification of Budget Amendments
- c) Notification of Bills Paid
- d) Purchase Orders
- Public Comment
- Discussion and Possible Action

Minutes:

Mayor Litman read this item by its title.

- 2.3 Consideration of Bid Award for the Fiber Optic Conduit Improvement Project.
- Public Comments
- Discussion and Possible Action

Minutes;

Mayor Litman read this item by its title.

Minutes:

Mayor Litman asked Council if they had any questions or comments on items 2.1, 2.2, 2.3. There were no speakers.

Minutes:

Mayor Litman opened 2.1, 2.2, 2.3 to Public Comment. There were no speakers. There were no eComments submitted for this item.

3) Resolutions & Proclamations

3.1 Proclamation - March is Women's History Month

Minutes;

Mayor Litman read this item by its title.

4) **Department Reports**

4.1 Mayor's Comments and Reports

Minutes:

Mayor Litman read this item by its title.

Minutes:

Mayor Litman: Nothing particular at this time.

4.2 City Council and Staff Comments and Reports

Minutes;

Council member Gault: The Arts Commission has arranged for a business called Sculpture Services to come on Saturday and Sunday working with Travis to clean the sculptures in front of City Hall. When you come back to City Hall on Monday it will look as though they were recently placed as bronzes.

Minutes:

Mayor Litman: Oh good! Thank you! I remember those were cleaned a long, long time ago. It was years ago that they did those.

5) Adoption of Bills as Ordinances

- 5.1 Consideration for Adoption of Bill B22-002, amending Title 1 "Administration", Chapter 7A "Advisory Boards"; Section 3 " Mesquite Public Arts Commission to align the terms of the Commissioners to their City Council appointers.
- Public Hearing
- Discussion and Possible Action

| Minutes; Mayor Litman read this item by its title. |
|--|
| mayor and monocorporation by the time. |
| Minutes; Mayor Litman asked Council if they had any questions or comments. There were no speakers. |
| |
| Minutes; Mayor Litman opened this item to Public Comment. There were no speakers. There were no eComments submitted for this item. |
| 6) Public Comments |
| 6.1 Public Comment |
| Minutes; Mayor Litman opened the meeting to Final Public Comment. There were no speakers. |
| 7) Adjournment |
| 7.1 Adjournment |
| Minutes; Mayor Litman adjourned the meeting at 2:35 pm |
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| Allan S. Litman, Mayor Julie Goodsell, Deputy City Clerk |



AGENDA ITEM
City Council Meeting
Meeting Date: March 22, 2022
Submitted by: Nichole Thorn

Submitting Department: Finance

Consent Agenda

| Consideration (| of approval | of: |
|-----------------|-------------|-----|
|-----------------|-------------|-----|

- a) Notification of Budget Transfers
- b) Notification of Budget Amendments
- c) Notification of Bills Paid
- d) Purchase Orders
- Public Comment
- Discussion and Possible Action

| PETITIONER: Nikki Thorn, Finance Director DEPARTMENT: Finance |
|--|
| RECOMMENDATION: |
| Approve of Budget Transfers, Budget Amendments, Bills Paid, and Purchase Orders. |
| Background: |
| See attached |
| Fiscal Impact: See attached |
| Budgeted Item: No |

Attachments:

- Check Register City Council Agenda 2.24.22 to 3.08.22.pdf
- City Council Budget Trsfrs & POS 03.22.22.pdf

Mar 09, 2022 11:00AM

Report Criteria:

Report type: GL detail

| GL Check Period Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
|--------------------------------------|-----------------|------------------|--------------------------------|-------------------|---------------------|------------------------|-------------------|------------------------|------------------------|--|
| 02/22 02/24/2022 | 39 | 12669 | HOME DEPOT | 7021012 | 1 | 32-49-763 | .00 | 648.97 | 648.97 | REC- WIRE/WALL RACEWAYS |
| Total 39: | | | | | | | .00 | | 648.97 | |
| 02/22 02/24/2022 | 40 | 14416 | MOTOROLA SOLUTIONS | 1187070177 | 1 | 32-49-749 | .00 | 870,937.87 | 870,937.87 | IT/ALL FAC- RADIOS/EQUIPMENT |
| Total 40: | | | | | | | .00 | | 870,937.87 | |
| 02/22 02/24/2022 02/22 02/24/2022 | 41 41 | | SYNEXIS LLC SYNEXIS LLC | 10170 225CR | 1 | 32-49-763 32-49-763 | .00 .00 | 10,060.00 8.300.00- | 10,060.00 8,300.00- | PW/ALL FAC- WALL SPHERES PW/ALL FAC- CREDIT BLADES REF: 9037-1 |
| | 41 | 17520 | STNEXISTEC | 225CR | ı | 32-49-703 | | 6,300.00- | | FWALL FAC- CREDIT BLADES REF. 9037-1 |
| Total 41: | | | | | | | .00 | | 1,760.00 | |
| 03/22 03/08/2022 | 42 | 2430 | ANDERSON HERITAGE ELECTRIC INC | 1172 | 1 | 32-49-759 | .00 | 24,671.00 | 24,671.00 | PW- FIBER OPTIC INSTALL/AIRPORT JAN/FEB 22 |
| Total 42: | | | | | | | .00 | | 24,671.00 | |
| 03/22 03/08/2022 | 43 | 3500 | MESQUITE LUMBER & SUPPLY | 367886 | 3 | 32-49-763 | .00 | 30.31 | 30.31 | REC-STRAPS/ACCESS KIT |
| 03/22 03/08/2022 | 43 | | MESQUITE LUMBER & SUPPLY | 368103 | 3 | 32-49-763 | .00 | 32.17 | 32.17 | REC-LIGHT OUTLET |
| 03/22 03/08/2022 | 43 | | MESQUITE LUMBER & SUPPLY | 368266 | 3 | 32-49-763 | .00 | 77.92 | 77.92 | REC- BOX STARTER/OUTLET |
| Total 43: | | | | | | - | .00 | | 140.40 | |
| 03/22 03/08/2022 | 44 | 17538 | SIMPSON COULTER STUDIO | 1 | 1 | 32-49-744 | .00 | 23,500.00 | 23,500.00 | PW- FS1 DESIGN CONCEPTS/LOCATIONS |
| Total 44: | | | | | | | .00 | | 23,500.00 | |
| 03/22 03/08/2022 | 45 | 8034 | WALMART STORES, INC. | 9620477207 | 1 | 32-49-741 | .00 | 345.58 | 345.58 | IT-TV for Court Lobby |
| Total 45: | | | | | | | .00 | | 345.58 | |
| 02/22 02/28/2022 | 182875 | 4755 | CASELLE INC. | 02252022 | 1 | 52-40-310 | .00 | 35.00 | 35.00 | Sani-Xpress Bill Pay |
| 02/22 02/28/2022 | 182875 | 4755 | CASELLE INC. | 02252022 | 2 | 10-46-310 | .00 | 50.00 | 50.00 | Fin-Caselle Advantage Apps & Excel Designer & Reporting |
| 02/22 02/28/2022 | 182875 | 4755 | CASELLE INC. | 02252022 | 3 | 10-46-310 | .00 | 210.00 | 210.00 | Fin-Time Keeping, Net pay, W2, 1099 |
| 02/22 02/28/2022 | 182875 | | CASELLE INC. | 02252022 | 4 | 10-46-310 | .00 | 68.00 | 68.00 | Fin-AP Direct Pay |
| 02/22 02/28/2022 | 182875 | | CASELLE INC. | 02252022 | 5 | 52-40-310 | .00 | 100.00 | 100.00 | Sani-3 User Licenses from 13-16 |

| GL | Check | Check | Vendor | | | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
|--------|--------------|--------|--------|--------------|-------|----------|----------|------------|----------|---------|----------|--|
| Period | Issue Date | Number | Number | | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 02/22 | 02/28/2022 | 182875 | 4755 | CASELLE INC. | | 02252022 | 6 | 10-46-310 | .00 | 100.00 | 100.00 | Fin-Caselle License |
| 02/22 | 02/28/2022 | 182875 | 4755 | CASELLE INC. | | 02252022 | 7 | 10-46-310 | .00 | 229.76 | 229.76 | Fin-16% Contract Software |
| 02/22 | 02/28/2022 | 182875 | | CASELLE INC. | | 02252022 | 8 | 83-81-610 | .00 | 244.12 | 244.12 | 17% Debt Serv-Contract Software |
| 02/22 | 02/28/2022 | 182875 | 4755 | CASELLE INC. | | 02252022 | 9 | 83-82-610 | .00 | 244.12 | 244.12 | 17% Debt Serv - Contract Software |
| 02/22 | 02/28/2022 | 182875 | 4755 | CASELLE INC. | | 02252022 | 10 | 52-40-310 | .00 | 718.00 | 718.00 | Sani-50% Contract Software |
| To | otal 182875: | | | | | | | _ | .00 | | 1,999.00 | |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JA | 1 | 10-57-475 | .00 | 100.00 | 100.00 | FD-CAFE RIO INCENTIVE |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JA | 2 | 31-49-555 | .00 | 500.00- | 500.00- | FD-CREDIT -DPET OF HEALTH LAB FEE REFUND |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JA | 3 | 10-57-610 | .00 | 25.02 | 25.02 | FD-CHICAGO CREEK, LUNCH MEETING |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JA | 4 | 10-57-230 | .00 | 90.00 | 90.00 | FD-DIXIE TECHNICAL CPR FEES |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JA | 5 | 10-57-610 | .00 | 57.01 | 57.01 | FD-DIBELLS, EMPLOYEE HIRING ORAL BOARD |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JA | 6 | 10-57-230 | .00 | 60.00 | 60.00 | FD-DIXIE TECHNICAL CPR FEES |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JB | 1 | 10-54-610 | .00 | 126.25 | 126.25 | PD-Global Industrial: Plastic folding table |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JB | 2 | 23-85-740 | .00 | 596.06 | 596.06 | PD-Tesla: Wall connector cable 8.5' |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JB | 3 | 10-54-610 | .00 | 7.40 | 7.40 | PD-Trielectro: RSM belt clip |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JB | 4 | 10-54-610 | .00 | 216.75 | 216.75 | PD-Streicher's: 3pr Pants D. Schlosser |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422JB | 5 | 10-54-610 | .00 | 85.00 | 85.00 | PD-Streicher's: 1pr Pants D. Schlosser |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MC | 1 | 10-55-310 | .00 | 500.00 | 500.00 | PD-Fastcase.com Secure digital law library |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MC | 2 | 10-54-230 | .00 | 225.00 | 225.00 | PD-National Shooting/SHOT Show T. Fails |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MC | 3 | 10-54-610 | .00 | 225.59 | 225.59 | PD-Chewy.com Dog food: Rogue |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MC | 4 | 10-54-610 | .00 | 308.00 | 308.00 | PD-Radiotronics: K-9 heat alarms |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MG | 1 | 43-40-310 | .00 | 195.00 | 195.00 | CITY MNGR- LV GLOBAL ECON ALLIANCE-SOED CONF-MG,SR,GG |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MG | 2 | 43-40-100 | .00 | 113.66 | 113.66 | CITY MNGR-POSTAGE OVERNIGHT-CLOSING DOCS-CROWN |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MG | 3 | 44-40-100 | .00 | 37.89 | 37.89 | CITY MNGR-POSTAGE OVERNIGHT-CLOSING DOCS-CROWN-2 |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MG | 4 | 43-40-100 | .00 | 77.38 | 77.38 | CITY MNGR-POSTAGE OVERNIGHT-CLOSING DOCS-CROWN-TITLE |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422MG | 5 | 44-40-100 | .00 | 25.79 | 25.79 | CITY MNGR-POSTAGE OVERNIGHT-CLOSING DOCS-CROWN-TITLE 2 |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422NM | 1 | 10-81-480 | .00 | 60.00 | 60.00 | Rec Cntr- sendgrid/advertising |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422QA | 1 | 10-54-230 | .00 | 145.03 | 145.03 | PD-FRAUD: Chevron Fuel Woodland CA |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422QA | 2 | 10-54-230 | .00 | 122.02 | 122.02 | PD-FRAUD: Chevron Fuel Woodland CA |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422QA | 3 | 10-54-230 | .00 | 117.39 | 117.39 | PD-FRAUD: Chevron Fuel Cottonwood CA |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422QA | 4 | 10-54-230 | .00 | 150.00 | 150.00 | PD-LLRMI |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422QA | 5 | 10-54-610 | .00 | 899.89 | 899.89 | PD-Gear Zone: Extra uniforms |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422RS | 1 | 10-61-230 | .00 | 450.00 | 450.00 | Dev Svcs-Int'l Code Council Classes: Jeff Shaffer |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422RS | 2 | 10-61-210 | .00 | 145.00 | 145.00 | Dev Svcs-Int'l Code Council Membership: Jeff Shaffer |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422RT | 1 | 15-40-390 | .00 | 100.00 | 100.00 | Court-StarBucks Gift Cards for BCP Grant |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422RT | 2 | 15-40-370 | .00 | 46.23 | 46.23 | Court-Smith's Cards & Popcorn BCP Grant |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | | 011422RT | 3 | 15-40-370 | .00 | 58.33 | 58.33 | Court-Walmart Xmas Cookie Mix BCP Grant |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| | | | | | | = · <u>·</u> ·································· | | | | | |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422RT | 4 | 15-70-340 | .00 | 100.79 | 100.79 | Court-LexisNexis Dec 2021 |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 1 | 10-65-610 | .00 | 44.18 | 44.18 | STR- SAFETY MTG DRINKS 12.15.21 |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 2 | 10-65-610 | .00 | 137.64 | 137.64 | STR- SAFETY MTG FOOD 12.15.21 |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 3 | 10-63-610 | .00 | 360.75 | 360.75 | CH- DIMMER SWITCHES |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 4 | 10-66-250 | .00 | 27.94 | 27.94 | VM- ALLEN WRENCH SET |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 5 | 10-63-610 | .00 | 27.38 | 27.38 | PD- WALL REPAIR KITS |
| 02/22 | 02/28/2022 | 182876 | 10077 | | 011422TA | 6 | 10-63-610 | .00 | 239.90- | 239.90- | PARKS- CREDIT DOOR HANDLES |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 7 | 52-40-610 | .00 | 15.99 | 15.99 | SANI- RED DRAFT PENCILS |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 8 | 52-40-610 | .00 | 116.49 | 116.49 | SANI- SOLENOID/SCREWDRIVER |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 9 | 10-66-245 | .00 | 79.99 | 79.99 | VM- 20X10 TIRE |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 10 | 10-65-610 | .00 | 67.44 | 67.44 | STR- FOOD YR END APPRECIATION |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 11 | 52-40-610 | .00 | 18.10 | 18.10 | SANI- VACUUM BAGS |
| 02/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 12 | 12-87-210 | .00 | 50.00 | 50.00 | PW- NVAA RNWL T ANDERSON |
| 02/22 | 02/28/2022 | 182876 | 10077 | | 011422TA | 13 | 10-63-610 | .00 | 590.16 | 590.16 | CH- VACUUMS |
|)2/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 14 | 10-66-250 | .00 | 106.95 | 106.95 | VM- GRINDER WHEELS/DISCS |
| 2/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 15 | 10-63-250 | .00 | 116.66 | 116.66 | SC- CIRCUIT BREAKERS |
| 2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 16 | 52-40-610 | .00 | 41.80 | 41.80 | SANI- DRY ERASE CALENDARS |
|)2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 17 | 10-63-610 | .00 | 12.99 | 12.99 | FM- PRIME JAN 22 |
|)2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 18 | 10-65-250 | .00 | 116.24 | 116.24 | STR- FUSES |
|)2/22 | 02/28/2022 | 182876 | | WELLS FARGO | 011422TA | 19 | 32-49-763 | .00 | 59.56 | 59.56 | REC- WALL PLATES |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 20 | 10-63-250 | .00 | 382.82 | 382.82 | FS3- PILOT FLAME SENSOR |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 21 | 32-49-763 | .00 | 322.07 | 322.07 | REC- WALL RACEWAY CHANNELS |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 22 | 10-63-610 | .00 | 133.59 | 133.59 | FM- CALENDAR/CORD REEL |
|)2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 23 | 10-63-610 | .00 | 110.12 | 110.12 | VM- OVERHEAD DOOR SAFETY SWITCH |
|)2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422TA | 24 | 10-60-610 | .00 | 115.00 | 115.00 | PW- DISPUTING CHARGE/GFM 12.31.21 TB |
|)2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422WR | 1 | 10-47-310 | .00 | 8.00 | 8.00 | IT-Parkmycloud |
|)2/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422WR | 2 | 10-47-310 | .00 | 20.00 | 20.00 | IT-PayPal Cloudflare |
| 02/22 | 02/28/2022 | 182876 | 10077 | WELLS FARGO | 011422WR | 3 | 10-47-310 | .00 | 235.47 | 235.47 | IT-Amazon Wed Services |
| То | tal 182876: | | | | | | - | .00 | | 8,043.91 | |
|)3/22 | 03/07/2022 | 182877 | 9503 | A-1 SERVICES INC | 220482 | 1 | 10-81-250 | .00 | 1,740.00 | 1,740.00 | Rec Cntr- service/start pool heaters |
| То | tal 182877: | | | | | | - | .00 | | 1,740.00 | |
| 03/22 | 03/07/2022 | 182878 | 11509 | ANIMAL CARE EQUIP & SVC | 99379 | 1 | 10-70-610 | .00 | 2,330.40 | 2,330.40 | PD/AC- Pocket Size Scanner, Aluminum Bed 35 x 25 & 44 x 27 |
| То | tal 182878: | | | | | | | .00 | | 2,330.40 | |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| | 03/07/2022 03/07/2022 | 182879 182879 | | CANON FINANCIAL SERVICES, INC CANON FINANCIAL SERVICES, INC | 28192300 28192301 | 1 1 | 10-49-250 10-49-250 | .00 | 620.00 1,287.45 | 620.00 1,287.45 | Shared Svcs-Copier Maint 02/20-03/19/22 Canon copier lease |
| Tot | tal 182879: | | | | | | _ | .00 | _ | 1,907.45 | |
| 03/22 | 03/07/2022 | 182880 | 12940 | CASA BLANCA RESORT | 13464 | 1 | 10-54-610 | .00 | 1,227.77 | 1,227.77 | PD/Admin - Awards Banquet |
| Tot | tal 182880: | | | | | | _ | .00 | _ | 1,227.77 | |
| 03/22 | 03/07/2022 | 182881 | 14492 | CENTURYLINK | 22-FEB | 1 | 10-47-310 | .00 | 1,022.22 | 1,022.22 | 911 Hardware Service Agrmt Feb 2022 |
| Tot | tal 182881: | | | | | | _ | .00 | _ | 1,022.22 | |
| 03/22 | 03/07/2022 | 182882 | 14492 | CENTURYLINK | 101251221 | 1 | 10-47-310 | .00 | 4,664.28 | 4,664.28 | 911 Services Feb 2022 |
| Tot | tal 182882: | | | | | | _ | .00 | _ | 4,664.28 | |
| 03/22 | 03/07/2022 | 182883 | 14492 | CENTURYLINK | 281352794 | 1 | 10-49-290 | .00 | 301.45 | 301.45 | Monthly Long Distance - FEB 2022 |
| Tot | tal 182883: | | | | | | | .00 | _ | 301.45 | |
| 03/22 | 03/07/2022 | 182884 | 16318 | CHRISTOPHER AHEARN | 030222 | 1 | 10-34-400 | .00 | 23.76 | 23.76 | Rec Cntr- membership refund |
| Tot | tal 182884: | | | | | | | .00 | | 23.76 | |
| 03/22 | 03/07/2022 | 182885 | 17602 | DEL SCHLOSSER | 030122 | 1 | 10-54-610 | .00 | 85.53 | 85.53 | PD-Reimbursement: Items for meeting |
| Tot | tal 182885: | | | | | | | .00 | | 85.53 | |
| 03/22 | 03/07/2022 | 182886 | 12705 | ECMS, INC | INV569743 | 1 | 10-57-250 | .00 | 696.68 | 696.68 | FD-Turnout cleaning and repair |
| Tot | tal 182886: | | | | | | | .00 | - | 696.68 | |
| 03/22 | 03/07/2022 | 182887 | 2150 | FEDEX CORP. | 7-666-11934 | 1 | 10-60-610 | .00 | 50.78 | 50.78 | PW- POSTAGE FAA DOCS |
| Tot | tal 182887: | | | | | | | .00 | - | 50.78 | |
| 03/22 | 03/07/2022 | 182888 | 2251 | GALLS, LLC | 020518603 | 1 | 10-54-610 | .00 | 182.67 | 182.67 | PD/ADMIN- SHIELD |
| | | | | | | | | | | | |

| Mar 09, 2022 11:00AM | Mar (| 09. | 2022 | 11:00AM |
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| To | otal 182888: | | | | | | - | .00 | | 182.67 | |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 15328404 | 1 | 10-57-615 | .00 | 146.74 | 146.74 | FD-SODIUM CHLORIDE |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 15343235 | 1 | 10-57-615 | .00 | 664.78 | 664.78 | FD-ELECTRODES, NASAL CANNULA, ASPIRIN, ADENOSINE, EPINEPHRINE, SODIUM CHLORIC |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16424630 | 1 | 10-81-650 | .00 | 370.55 | 370.55 | REC - AED PADS |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16457969 | 1 | 10-57-615 | .00 | 153.92 | 153.92 | FD-atropine sulf injextension set pressure infsn 7" |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16468976 | 1 | 10-57-615 | .00 | 155.30 | 155.30 | FD-optium EZ glucose strips, glucose meter |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16590148 | 1 | 10-57-615 | .00 | 1,068.78 | 1,068.78 | FD-LARGE GLOVE, ALBUT INH SOL, IPRATROPIUM |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16618446 | 1 | 10-57-615 | .00 | 107.23 | 107.23 | FD-atropine sulf inj |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16636314 | 1 | 10-57-615 | .00 | 28.10 | 28.10 | FD-sALINE SYRINGE PF 3MIL |
| 03/22 | 03/07/2022 | 182889 | 16105 | 5 HENRY SCHEIN INC | 16761818 | 1 | 10-81-650 | .00 | 183.88 | 183.88 | AED PAD FOR RECH CENTER |
| To | otal 182889: | | | | | | | .00 | | 2,879.28 | |
| 03/22 | 03/07/2022 | 182890 | 2452 | 2 HIGH DESERT SUPPLY | IN00203576 | 1 | 10-66-250 | .00 | 45.76 | 45.76 | VM-AIR/OIL FILTERS |
| 03/22 | 03/07/2022 | 182890 | 2452 | 2 HIGH DESERT SUPPLY | IN00203699 | 1 | 10-66-250 | .00 | 201.45 | 201.45 | VM-FILTERS/PRESSURE SWIVEL |
| 03/22 | 03/07/2022 | 182890 | 2452 | 2 HIGH DESERT SUPPLY | IN00203846 | 1 | 10-66-250 | .00 | 261.72 | 261.72 | VM-OIL/AIR FILTERS |
| To ⁴ | otal 182890: | | | | | | | .00 | | 508.93 | |
| 03/22 | 03/07/2022 | 182891 | 17139 | 9 INTERNATIONAL MUNICIPAL LAWYERS ASSOC | 20065430 | 1 | 10-50-310 | .00 | 480.00 | 480.00 | Attny-IMLA Membership 1/1/22-12/31/22 |
| To ⁴ | otal 182891: | | | | | | | .00 | | 480.00 | |
| 03/22 | 03/07/2022 | 182892 | 16516 | 5 JEAN BATTAGLIA | 022222 | 1 | 10-54-610 | .00 | 152.74 | 152.74 | PD-Reimbursement for Logo'd Pens |
| Toʻ | otal 182892: | | | | | | | .00 | | 152.74 | |
| 03/22 | 03/07/2022 | 182893 | 17594 | 4 JOHN BIRD | 022522 | 1 | 01-11750 | .00 | 55.00 | 55.00 | SANI- REFUND 20 SOUTH HAFEN LANE |
| To ⁴ | otal 182893: | | | | | | | .00 | | 55.00 | |
| 03/22 | 03/07/2022 | 182894 | 17596 | 3 JORGE L CONTRERAS CONSTANTINO | 1622 | 1 | 15-23200 | .00 | 1,425.00 | 1,425.00 | Court-Bail Refund #21CR00203 |
| Toʻ | otal 182894: | | | | | | | .00 | | 1,425.00 | |
| 03/22 | 03/07/2022 | 182895 | 3030 | LAS VEGAS METRO POLICE DEPT. | 1626 | 1 | 15-21340 | .00 | 342.00 | 342.00 | AA Fee- Genetic Marker Analysis-Feb 22 |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| To | otal 182895: | | | | | | - | .00 | | 342.00 | |
| | | | | | | | - | | | | |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1160629 | 1 | 10-57-615 | .00 | 10.52 | 10.52 | FD-MAGNESUIM SULFATE, PEDIATRIC FEEDING TUBE |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1161921 | 1 | 10-57-615 | .00 | 56.95 | 56.95 | FD-Epinephrine |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1175597 | 1 | 10-57-615 | .00 | 241.16 | 241.16 | FD-KERLIX SPONGES, LABETALOL |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1177748 | 1 | 10-57-615 | .00 | 40.20 | 40.20 | FD-RESTRAINS STRAP DISPOSABLE, LOOP-LOCK |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1177832 | 1 | 10-57-615 | .00 | 80.44 | 80.44 | FD-ROCURONIUM |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1179917 | 1 | 10-57-615 | .00 | 56.95 | 56.95 | FD-EPINEPHRINE |
| 03/22 | 03/07/2022 | 182896 | 9516 | LIFE ASSIST INC. | 1180800 | 1 | 10-57-615 | .00 | 159.52 | 159.52 | FD-KETAMINE, MIDAZOLAM |
| To | otal 182896: | | | | | | | .00 | | 645.74 | |
| 03/22 | 03/07/2022 | 182897 | 17600 | MAYRA GUZMAN | 1624 | 1 | 15-23200 | .00 | 1,425.00 | 1,425.00 | Court-Bail Refund #21CR00524 |
| To | otal 182897: | | | | | | | .00 | | 1,425.00 | |
| 10 | Jiai 102097. | | | | | | = | .00 | | 1,423.00 | |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 367651 | 1 | 10-63-610 | .00 | 99.99 | 99.99 | MC-HEATER |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 367668 | 1 | 10-63-610 | .00 | 14.99 | 14.99 | FS3-MOLD CONTROL |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 367697 | 1 | 10-63-610 | .00 | 33.98 | 33.98 | REC-PLASTIC TOILET SEAT |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 367832 | 1 | 10-76-610 | .00 | 75.00 | 75.00 | REC/PARKS- saw repairs |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 367953 | 1 | 10-63-610 | .00 | 43.53 | 43.53 | FS3-PIPE SEAL/TAPE |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 367971 | 1 | 10-76-610 | .00 | 27.80 | 27.80 | REC/PARKS- irrigation cap |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368040 | 1 | 10-76-610 | .00 | 11.18 | 11.18 | REC/PARKS- connector |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368198 | 1 | 10-63-610 | .00 | 15.99 | 15.99 | FM- TAPE |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368220 | 1 | 10-57-230 | .00 | 1,900.78 | 1,900.78 | FD-CONFINED SPACE TRAIING MATERIALS |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368228 | 1 | 10-63-610 | .00 | 39.96 | 39.96 | STR- CONCRETE BAGS |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368231 | 1 | 10-63-610 | .00 | 11.99 | 11.99 | PARKS- ROTARY FILE SET |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368282 | 1 | 10-57-610 | .00 | 19.99 | 19.99 | FD-ground connector |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368308 | 1 | 10-63-610 | .00 | 27.96 | 27.96 | FM- HYD OIL/GASKET |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368373 | 1 | 10-76-610 | .00 | 323.88 | 323.88 | REC/PARKS- trash cans |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368384 | 1 | 10-63-610 | .00 | 24.99 | 24.99 | FM-MAGNETIC DRIVE SET |
| 03/22 | 03/07/2022 | 182898 | | MESQUITE LUMBER & SUPPLY | 368395 | 1 | 10-63-610 | .00 | 25.17 | 25.17 | PARKS- ELEC CONDUIT |
| 03/22 | 03/07/2022 | 182898 | 3500 | | 368439 | 1 | 10-63-250 | .00 | 17.07 | 17.07 | FM- TOILET BOWL CLEANER/FABULOSO |
| 03/22 | 03/07/2022 | 182898 | | MESQUITE LUMBER & SUPPLY | 368443 | 1 | 10-65-250 | .00 | 29.99 | 29.99 | STR- ELECTRICAL BREAKER |
| 03/22 | 03/07/2022 | 182898 | 3500 | | 368485 | 1 | 10-63-250 | .00 | 29.98 | 29.98 | MC- TOILET PLUNGERS |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368579 | 1 | 10-76-610 | .00 | 157.93 | 157.93 | REC/PARKS- chain, hitch, bolt |
| 03/22 | 03/07/2022 | 182898 | 3500 | | 368595 | 1 | 10-66-250 | .00 | 69.99 | 69.99 | VM- FORD CHIPKEY |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368607CR | 1 | 10-65-250 | .00 | 29.99- | 29.99- | STR- CREDIT BREAKER REF: 368443 |

| GL | Check | Check | Vendor | | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
|--------|--------------|--------|--------|---|-------------|----------|------------|----------|---------|----------|---|
| Period | Issue Date | Number | Number | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368617 | 1 | 52-40-610 | .00 | 278.95 | 278.95 | SANI- FLASHLIGHT/BUSHINGS |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368622 | 1 | 10-76-610 | .00 | 47.96 | 47.96 | REC/PARKS- duck tape |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368635 | 1 | 17-80-610 | .00 | 15.18 | 15.18 | REC Cntr- field paint/youth flag football |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368641 | 1 | 45-40-805 | .00 | 9.99 | 9.99 | STR- PAINT MIXER/CCRFCD |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368669 | 1 | 10-63-610 | .00 | 1.04 | 1.04 | PD- FASTNERS |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368699 | 1 | 52-40-610 | .00 | 17.99 | 17.99 | SANI- CONCRETE |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368700 | 1 | 10-81-610 | .00 | 17.18 | 17.18 | REC Cntr- graffiti remover |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368703 | 1 | 52-40-610 | .00 | 5.00 | 5.00 | SANI- CONCRETE |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368711 | 1 | 10-63-610 | .00 | 17.56 | 17.56 | FM- GARBAGE BAGS/VINEGAR |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368720 | 1 | 52-40-610 | .00 | 7.00 | 7.00 | SANI- CONCRETE |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368735 | 1 | 10-65-610 | .00 | 378.34 | 378.34 | STR- FORM BOARD/REBAR |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368737CR | 1 | 10-65-610 | .00 | 69.98- | 69.98- | STR- CREDIT FORMBOARD REF: 368735 |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368757 | 1 | 10-81-610 | .00 | 21.55 | 21.55 | REC Cntr- glass cleaner |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368794 | 1 | 10-81-250 | .00 | 14.53 | 14.53 | REC Cntr- spin room repairs |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368842 | 1 | 52-40-610 | .00 | 24.98 | 24.98 | SANI- GFI TESTER/STRIPPERS |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368875 | 1 | 10-65-610 | .00 | 61.56 | 61.56 | STR- VELCRO/GARDEN SPRAYER |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368898 | 1 | 10-65-610 | .00 | 31.47 | 31.47 | STR- PLYWOOD |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368916 | 1 | 52-40-610 | .00 | 130.52 | 130.52 | SANI- BATTERIES/PIPE INSULATION |
| 03/22 | 03/07/2022 | 182898 | 3500 | MESQUITE LUMBER & SUPPLY | 368939 | 1 | 52-40-610 | .00 | 146.93 | 146.93 | SANI- PRIMER/SCREWDRIVER |
| | | | | | | | - | | - | | |
| To | otal 182898: | | | | | | | .00 | | 4,129.90 | |
| | | | | | | | - | | - | | |
| 03/22 | 03/07/2022 | 182899 | 3457 | MESQUITE VETERINARY CLINIC | 181474 | 1 | 10-70-310 | .00 | 31.00 | 31.00 | PD/AC-Fel Exam: Kilo |
| 03/22 | 03/07/2022 | 182899 | 3457 | MESQUITE VETERINARY CLINIC | 182349CR | 1 | 10-70-310 | .00 | 31.00- | 31.00- | PD/AC-Charges on Separate Invoice #181474 |
| 03/22 | 03/07/2022 | 182899 | 3457 | MESQUITE VETERINARY CLINIC | 182829 | 1 | 10-70-310 | .00 | 897.99 | 897.99 | PD/AC- Nueter/Spay for Cani & Fel |
| To | otal 182899: | | | | | | | .00 | | 897.99 | |
| 03/22 | 03/07/2022 | 182900 | 14526 | MOAPA VALLEY TELEPHONE | 02-2022 | 1 | 10-47-310 | .00 | 200.56 | 200.56 | 911 Circuit Charges-Feb 2022 |
| | | | | | | · | - | | | | |
| To | otal 182900: | | | | | | - | .00 | - | 200.56 | |
| 03/22 | 03/07/2022 | 182901 | 3653 | MOUNT OLYMPUS WATERS, INC. | 10216681 02 | 1 | 10-51-240 | .00 | 13.26 | 13.26 | Court-Water |
| 03/22 | 03/07/2022 | 182901 | 3653 | MOUNT OLYMPUS WATERS, INC. | 10219318 03 | 1 | 10-54-240 | .00 | 181.40 | 181.40 | PD-Water |
| 03/22 | 03/07/2022 | 182901 | 3653 | MOUNT OLYMPUS WATERS, INC. | 10219825 02 | 1 | 16-71-610 | .00 | 15.95 | 15.95 | Snr Svcs-Office Water |
| To | otal 182901: | | | | | | | .00 | | 210.61 | |
| 03/22 | 03/07/2022 | 182902 | 15578 | NATIONAL ASSSOCIATION OF FIELD TRAINING | 10630 | 1 | 10-54-230 | .00 | 350.00 | 350.00 | FTO Training- J Cheney |
| OUILL | 55/01/2022 | 102002 | 10070 | | 10000 | ' | 10 0 1 200 | .50 | 000.00 | 300.00 | |

| GL Check eriod Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
|------------------------------|-----------------|------------------|---------------------------------|-------------------|---------------------|-----------------------|-------------------|-------------------|-----------------|--|
| Total 182902: | | | | | | | .00 | | 350.00 | |
| 03/22 03/07/2022 | 182903 | 4031 | NEVADA STATE CONTROLLER | 1629 | 1 | 15-21390 | .00 | 1,905.00 | 1,905.00 | Municipal Court- State Permanent School Fine/Forf-Feb 22 |
| Total 182903: | | | | | | | .00 | | 1,905.00 | |
| 03/22 03/07/2022 | 182904 | 10891 | NICHOLE BURNSIDE | FEB 2022 | 1 | 17-80-310 | .00 | 304.00 | 304.00 | Rec Prog- Lifelong Instructor |
| Total 182904: | | | | | | | .00 | | 304.00 | |
| 03/22 03/07/2022 | 182905 | 17597 | NICKI RICH | 022222 | 1 | 10-34-400 | .00 | 191.25 | 191.25 | Rec Cntr-Refund Membership |
| Total 182905: | | | | | | | .00 | | 191.25 | |
| 03/22 03/07/2022 | 182906 | 17598 | NICOLE THORN | 022322 | 1 | 10-46-290 | .00 | 50.00 | 50.00 | Fin-Cell Phone Allowance Feb 2022 |
| Total 182906: | | | | | | | .00 | | 50.00 | |
| 03/22 03/07/2022 | 182907 | 17527 | NORTH CANYON CONSOLIDATED COURT | CR00075 | 1 | 10-50-310 | .00 | 56.00 | 56.00 | Attrny-Certified Request for Priors L.R. |
| Total 182907: | | | | | | | .00 | | 56.00 | |
| 03/22 03/07/2022 | 182908 | 14977 | NRC | 022422 | 1 | 45-21500 | .00 | 78,553.24 | 78,553.24 | PW- CAMBRIA PH 2 10% WARRANTY |
| Total 182908: | | | | | | | .00 | | 78,553.24 | |
| 03/22 03/07/2022 | 182909 | 4126 | OFFICE DEPOT | 2282478790 | 1 | 10-51-240 | .00 | 102.62 | 102.62 | Court-2 Cases of Copy Paper |
| 3/22 03/07/2022 | 182909 | | OFFICE DEPOT | 2286574600 | 1 | 10-51-240 | .00 | 299.25 | 299.25 | Court-File folders, copy paper, pens, higlighters |
| 3/22 03/07/2022 | 182909 | 4126 | OFFICE DEPOT | 2286591720 | 1 | 10-51-240 | .00 | 35.14 | 35.14 | Court-Speakers, Calendar |
| Total 182909: | | | | | | | .00 | | 437.01 | |
| 3/22 03/07/2022 | 182910 | 14548 | PREMIER SAFETY | 04208809 | 1 | 52-40-610 | .00 | 452.36 | 452.36 | SANI- CALIBRATION GASES/GAS DETECTOR |
| Total 182910: | | | | | | | .00 | | 452.36 | |
| 3/22 03/07/2022 | 182911 | 9073 | RAY ALLEN MANUFACTURING, INC. | RINV234090 | 1 | 10-54-610 | .00 | 284.98 | 284.98 | PD/Admin- Rouge Kennel & Vittle Vault |

Mar 09, 2022 11:00AM

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
|--------------|---------------------|-----------------|------------------|-------------------------|-------------------|---------------------|-----------------------|-------------------|-------------------|-----------------|--|
| To | otal 182911: | | | | | | | .00 | | 284.98 | |
| 03/22 | 03/07/2022 | 182912 | 4500 | RELIANCE CONNECTS | ALARM 03-2 | 1 | 10-55-610 | .00 | 21.95 | 21.95 | PD/CORR-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 2 | 10-57-310 | .00 | 73.85 | 73.85 | FD-Alarm Charges Mar 2022 FD-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 3 | 10-63-310 | .00 | 37.90 | 37.90 | City Hall-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 4 | 10-65-610 | .00 | 43.90 | 43.90 | PW/STR-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 5 | 10-66-610 | .00 | 16.95 | 16.95 | PW/VM-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 6 | 10-70-610 | .00 | 18.95 | 18.95 | PD/AC-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 7 | 10-76-310 | .00 | 18.95 | 18.95 | REC/PARKS-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 8 | 10-81-310 | .00 | 21.95 | 21.95 | CAMPUS-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 9 | 10-81-310 | .00 | 59.85 | 59.85 | REC CNTR-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 10 | 10-82-290 | .00 | 21.95 | 21.95 | MUSEUM-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | | RELIANCE CONNECTS | ALARM 03-2 | 11 | 16-71-310 | .00 | 38.90 | 38.90 | SNR CNTR-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | ALARM 03-2 | 12 | 52-40-310 | .00 | 16.95 | 16.95 | SANI-Alarm Charges Mar 2022 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 1 | 10-47-310 | .00 | 1,155.36 | 1,155.36 | Tele/Internet-PD E911 |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 2 | 10-49-290 | .00 | 85.88 | 85.88 | Tele/Internet-Main recep |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 3 | 10-54-290 | .00 | 434.28 | 434.28 | Tele/Internet-PD |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 4 | 10-76-290 | .00 | 811.15 | 811.15 | Tele/Internet-Parks |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 5 | 10-47-310 | .00 | 528.44 | 528.44 | Tele/Internet-IT |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 6 | 10-60-290 | .00 | 149.40 | 149.40 | Tele/Internet-PW |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 7 | 10-57-290 | .00 | 119.52 | 119.52 | Tele/Internet-FD |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 8 | 12-87-290 | .00 | 219.63 | 219.63 | Tele/Internet-Airport |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 9 | 10-81-284 | .00 | 122.75 | 122.75 | Cable-Rec Cntr |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 10 | 52-40-290 | .00 | 95.81 | 95.81 | Tele/Internet-Sani |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 11 | 10-76-284 | .00 | 82.27 | 82.27 | Cable-Parks/Maint |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 12 | 10-37-550 | .00 | 82.27 | 82.27 | Cable-PD Inmates |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 13 | 10-54-284 | .00 | 82.27 | 82.27 | Cable-PD |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 14 | 10-51-290 | .00 | 29.88 | 29.88 | Tele/Internet-Court |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 15 | 10-82-290 | .00 | 29.88 | 29.88 | Tele/Internet-Museum |
| 03/22 | 03/07/2022 | 182912 | 4500 | | FEB 22 | 16 | 16-71-290 | .00 | 58.98 | 58.98 | Cable-Senior Cntr |
| 00/22 | 00/01/2022 | .020.2 | | | 5 | | | | | | 042.0 00.10.1 0.1.1 |
| To | otal 182912: | | | | | | | .00 | | 4,479.82 | |
| 03/22 | 03/07/2022 | 182913 | 17595 | ROBERT C WOOD JR | 1623 | 1 | 15-23200 | .00 | 2,490.00 | 2,490.00 | Court-Bail Refund #21CR00625 |
| To | otal 182913: | | | | | | | .00 | | 2,490.00 | |
| 03/22 | 03/07/2022 | 182914 | 9426 | ROYAL SANITARY SERVICES | 7791 | 1 | 10-81-610 | .00 | 100.00 | 100.00 | Rec Cntr- porta potties/HMS pickleball courts |

| | | | | | | | | | | | - |
|--------------|---------------------|-----------------|------------------|-------------------------------|-------------------|---------------------|-----------------------|-------------------|-------------------|-----------------|--|
| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
| Tot | tal 182914: | | | | | | - | .00 | | 100.00 | |
| 03/22 | 03/07/2022 | 182915 | 4750 | SCHOLZEN PRODUCTS CO INC | 6637298-00 | 1 | 10-65-610 | .00 | 587.50 | 587.50 | STR- REBAR |
| Tot | tal 182915: | | | | | | | .00 | | 587.50 | |
| 03/22 | 03/07/2022 | 182916 | 12196 | S SHERWIN WILLIAMS STORE 8541 | 3639-7 | 1 | 10-81-250 | .00 | 86.88 | 86.88 | Rec Cntr- paint supplies for preschool |
| 03/22 | 03/07/2022 | 182916 | 12196 | S SHERWIN WILLIAMS STORE 8541 | 3676-9 | 1 | 45-40-805 | .00 | 45.04 | 45.04 | STR- CAULKING GUN/CCRFCD |
| Tot | tal 182916: | | | | | | | .00 | | 131.92 | |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 003189 | 1 | 16-71-480 | .00 | 85.05 | 85.05 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 003221 | 1 | 16-71-480 | .00 | 28.35 | 28.35 | Snr Svcs- Food Supplies-Kro Cndsoup |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 004860 | 1 | 16-71-480 | .00 | 90.96 | 90.96 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 004929 | 1 | 16-71-480 | .00 | 7.47 | 7.47 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 004977 | 1 | 16-71-480 | .00 | 113.40 | 113.40 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 005333 | 1 | 16-71-480 | .00 | 85.55 | 85.55 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 005840 | 1 | 16-71-480 | .00 | 78.10 | 78.10 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 006842 | 1 | 16-71-480 | .00 | 94.56 | 94.56 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 028248 | 1 | 16-71-480 | .00 | 57.44 | 57.44 | Snr Svcs- Food Supplies-Grma Pasta |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 028374 | 1 | 16-71-480 | .00 | 89.03 | 89.03 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 036688 | 1 | 16-71-480 | .00 | 128.74 | 128.74 | Snr Svcs- Weekly HB Juice Purchase |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 096276 | 1 | 16-71-480 | .00 | 28.63 | 28.63 | Snr Svcs- Food Supplies-Sloppy Jo, Relish |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 117462 | 1 | 16-71-480 | .00 | 16.14 | 16.14 | Snr Svcs- Food Supplies-Kro Brn Flk |
| 03/22 | 03/07/2022 | 182917 | 8282 | 2 SMITH'S CUSTOMER CHGS | 95363 | 1 | 10-43-610 | .00 | 76.48 | 76.48 | Myr-Cnl - Clark County Clerk Ribbon Cutting - Cake & Flowers |
| Tot | tal 182917: | | | | | | | .00 | | 979.90 | |
| 03/22 | 03/07/2022 | 182918 | 16250 |) SOUTHWEST GAS | SWG020922 | 1 | 10-57-285 | .00 | 531.27 | 531.27 | FD-Natuaral Gas |
| Tot | tal 182918: | | | | | | | .00 | | 531.27 | |
| 03/22 | 03/07/2022 | 182919 | 12789 | SOUTHWEST SALES SVC & PUMPS | 32818 | 1 | 10-81-250 | .00 | 520.00 | 520.00 | Rec Cntr- repair pool pump |
| | 03/07/2022 | 182919 | | SOUTHWEST SALES SVC & PUMPS | 612256 | 1 | 10-81-250 | .00 | 385.00 | 385.00 | Rec Cntr- repair slide pump |
| Tot | tal 182919: | | | | | | | .00 | | 905.00 | |
| 03/22 | 03/07/2022 | 182920 | 8989 | STAPLES ADVANTAGE | 3497151782 | 1 | 10-57-240 | .00 | 36.11 | 36.11 | FD-LABELS, OFFICE SUPPLIES |

| GL | Check | Check | Vendor | | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
|--------|-------------|--------|--------|--------------------------------------|------------|----------|------------|----------|-----------|-----------|---|
| Period | Issue Date | Number | Number | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 03/22 | 03/07/2022 | 182920 | 9090 | STAPLES ADVANTAGE | 3498859540 | 1 | 10-54-240 | .00 | 77.75 | 77.75 | PD/Admin - MEMO PADS FOR OFFICERS |
| 03/22 | 03/07/2022 | 182920 | 8989 | | 3500352184 | 1 | 10-54-240 | .00 | 50.72 | 50.72 | PD/Admin- Sheet Protector, Post- IT |
| 03/22 | 03/07/2022 | 182920 | 8989 | STAPLES ADVANTAGE STAPLES ADVANTAGE | 3500332164 | 1 | 16-71-240 | .00 | 196.99 | 196.99 | Snr Svcs-Office Supplies-Pckt Magzne Ltr Hldr |
| | 03/07/2022 | 182920 | | STAPLES ADVANTAGE | 3500415808 | 1 | 16-71-240 | .00 | 45.49 | 45.49 | Snr Svcs-Office Supplies-4 Pckt Wall Mount |
| 00/22 | OOFOFFEEE | 102020 | 0000 | on the leave with the | 0000110000 | · | 1071210 | | 10.10 | | on order office supplies in the mount |
| То | tal 182920: | | | | | | | .00 | | 407.06 | |
| 03/22 | 03/07/2022 | 182921 | 4000 | STATE OF NEVADA | FEB 22 | 1 | 15-21360 | .00 | 803.00 | 803.00 | Specialty Court Fee-Feb 22 |
| 03/22 | 03/07/2022 | 182921 | 4000 | STATE OF NEVADA | FEB 22 | 1 | 15-21350 | .00 | 35.00 | 35.00 | Domestic Violence Fee-Feb 22 |
| 03/22 | 03/07/2022 | 182921 | 4000 | STATE OF NEVADA | FEB 22 | 1 | 15-21320 | .00 | 5,371.00 | 5,371.00 | AA Fee State (AOC)-Feb 22 |
| 03/22 | 03/07/2022 | 182921 | 4000 | STATE OF NEVADA | FEB 22 | 1 | 15-23200 | .00 | 200.00 | 200.00 | Victims of Crime-Feb 22 |
| 03/22 | 03/07/2022 | 182921 | 4000 | STATE OF NEVADA | FEB22 | 1 | 15-21330 | .00 | 590.00 | 590.00 | AA Fee State (General)-Feb 22 |
| | | | | | | | | | | | |
| То | tal 182921: | | | | | | | .00 | | 6,999.00 | |
| 03/22 | 03/07/2022 | 182922 | 3922 | STATE OF NEVADA | 59221 | 1 | 10-48-310 | .00 | 80.50 | 80.50 | HR- Fingerprinting |
| То | tal 182922: | | | | | | | .00 | | 80.50 | |
| | | | | | | | | | | | |
| | 03/07/2022 | 182923 | | STATE OF NEVADA/Attn DEPT OF TAXATON | JAN 2022 | 1 | 10-23145 | .00 | 69,999.06 | 69,999.06 | Additional 3% Lodging Tax-Jan 22 |
| 03/22 | 03/07/2022 | 182923 | 1800 | STATE OF NEVADA/Attn DEPT OF TAXATON | JAN 22 | 1 | 10-23120 | .00 | 8,749.88 | 8,749.88 | Additional 3/8% Lodging Tax-Jan 22 |
| To | tal 182923: | | | | | | | .00 | | 78,748.94 | |
| 10 | iai 102325. | | | | | | | .00 | | 70,740.94 | |
| 03/22 | 03/07/2022 | 182924 | 8579 | STEPHEN WADE AUTO CENTER | 1799791 | 1 | 10-66-250 | .00 | 220.00 | 220.00 | VM- PROGRAMMED ECM/EBCM |
| | 03/07/2022 | 182924 | | STEPHEN WADE AUTO CENTER | 5239746 | 1 | 10-66-250 | .00 | 176.28 | 176.28 | VM- SPRING |
| | | | | | | | | | | | |
| То | tal 182924: | | | | | | | .00 | | 396.28 | |
| | | | | | | | | | | | |
| 03/22 | 03/07/2022 | 182925 | 15611 | STERICYCLE INC | 8000987171 | 1 | 10-54-310 | .00 | 244.21 | 244.21 | PD/Admin- Services Feb 2021 |
| То | tal 182925: | | | | | | | .00 | | 244.21 | |
| | 1020201 | | | | | | | | | | |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4336439974 | 1 | 10-81-480 | .00 | 14.99 | 14.99 | Rec Cntr-Tissue paper for gift baskets |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4459454386 | 1 | 10-47-240 | .00 | 174.99 | 174.99 | IT-Paper shredder |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4476885575 | 1 | 17-80-610 | .00 | 559.90 | 559.90 | Rec Cntr-Aerobic Step Platforms |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4545557934 | 1 | 10-54-610 | .00 | 22.66 | 22.66 | PD-External CD drive |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4563376466 | 1 | 10-54-610 | .00 | 43.09 | 43.09 | PD-Trash can w/lid 20 gallon |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4593948755 | 1 | 10-51-240 | .00 | 22.60 | 22.60 | Court-Wall calendar-Erasable |
| | | | | | | | | | | | |

| GL | Check | Check | Vendor | Deves | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
|--------|--------------|--------|--------|----------------------|------------|----------|------------|----------|----------|----------|--|
| Period | Issue Date | Number | Number | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4636696739 | 1 | 10-54-610 | .00 | 38.97 | 38.97 | PD-Dolly for evidence trash can |
| 03/22 | 03/07/2022 | 182926 | 15170 | | 4649574585 | 1 | 10-47-240 | .00 | 63.41 | 63.41 | IT-Screen protector, phone cases |
| 03/22 | 03/07/2022 | 182926 | 15170 | | 4667444479 | 1 | 10-54-610 | .00 | 65.38 | 65.38 | PD-Evidence bags 16x12x10 |
| 03/22 | 03/07/2022 | 182926 | 15170 | | 4674734838 | 1 | 10-57-250 | .00 | 165.90 | 165.90 | FD-9V batteries |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 4677764633 | 1 | 10-54-240 | .00 | 16.98 | 16.98 | PD-Stamp "Verified" |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 5385496478 | 1 | 10-54-610 | .00 | 157.95 | 157.95 | PD-Firearms supplies for new recruit/Esplin |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 5444749696 | 1 | 10-47-240 | .00 | 14.99 | 14.99 | IT-Foldable laptop stand |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 5453937853 | 1 | 10-54-610 | .00 | 31.90 | 31.90 | PD-Uniform Victim Advocate |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 5785774674 | 1 | 10-54-610 | .00 | 41.57- | 41.57- | PD-REFUND Fleece jacket |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 6698573999 | 1 | 10-54-610 | .00 | 29.99 | 29.99 | PD-Firearms supplies for new recruit/Esplin |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 6738743977 | 1 | 10-54-610 | .00 | 35.99 | 35.99 | PD-Dog Food/Marley |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 6745434785 | 1 | 10-47-240 | .00 | 83.97 | 83.97 | IT-(3) Wireless keyboard & mouse |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 6777967973 | 1 | 10-54-240 | .00 | 12.99 | 12.99 | PD-Wall calendar |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 6777967973 | 2 | 10-54-610 | .00 | 86.36 | 86.36 | PD-Tension rods for vault |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 7333765588 | 1 | 10-54-610 | .00 | 16.50 | 16.50 | PD-Ladies polo |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 7585858337 | 1 | 10-54-610 | .00 | 252.00 | 252.00 | PD-(3) Long sleeve uniform shirts: Thatcher and back ups |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 7834736353 | 1 | 10-54-610 | .00 | 111.59- | 111.59- | PD-REFUND Sharps container |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 8393385478 | 1 | 10-54-610 | .00 | 33.15 | 33.15 | PD-(4) Handcuff keys for new recruits |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 8563969599 | 1 | 10-81-480 | .00 | 93.44 | 93.44 | Rec Cntr-Items for gift baskets |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 8568774895 | 1 | 10-54-610 | .00 | 131.00 | 131.00 | PD-Sharps container 8 gallon |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 8966868997 | 1 | 10-54-610 | .00 | 45.62 | 45.62 | PD-Storage bins |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9356857435 | 1 | 10-51-240 | .00 | 39.19 | 39.19 | Court-Wall clock for jury room |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9436378938 | 1 | 10-57-250 | .00 | 165.50 | 165.50 | FD-9V Batteries |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9638559958 | 1 | 10-81-610 | .00 | 19.92 | 19.92 | Rec Cntr-(2) Swiffer duster refills |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9659844537 | 1 | 10-47-240 | .00 | 46.99 | 46.99 | IT-Fiber patch cable |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9695347857 | 1 | 10-54-610 | .00 | 51.49 | 51.49 | PD-Evidence bags 20x12x6 |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9736379998 | 1 | 10-81-240 | .00 | 22.89 | 22.89 | Rec Cntr-Paper rolls for credit card machine |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9743558737 | 1 | 10-81-240 | .00 | 12.88 | 12.88 | Rec Cntr-Divided folders |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9759834356 | 1 | 17-80-610 | .00 | 32.98 | 32.98 | Rec Cntr-Flags for events |
| 03/22 | 03/07/2022 | 182926 | 15170 | SYNCB/AMAZON | 9868787594 | 1 | 10-81-240 | .00 | 51.98 | 51.98 | Rec Cntr-Canned air |
| To | otal 182926: | | | | | | - | .00 | - | 2,505.38 | |
| 03/22 | 03/07/2022 | 182927 | 13211 | SYSCO LAS VEGAS, INC | 317076005 | 1 | 16-71-480 | .00 | 1,453.48 | 1,453.48 | Snr Svcs- Weekly Food Purchase |
| 03/22 | 03/07/2022 | 182927 | 13211 | SYSCO LAS VEGAS, INC | 317076006 | 1 | 16-71-485 | .00 | 168.65 | 168.65 | Snr Svcs- Weekly Supplies Purchase-Plstc Tshrt bgs, Foam cntnr |
| 03/22 | 03/07/2022 | 182927 | 13211 | SYSCO LAS VEGAS, INC | 317086247 | 1 | 16-71-480 | .00 | 2,098.01 | 2,098.01 | Snr Svcs- Weekly Food Purchase |
| 03/22 | 03/07/2022 | 182927 | 13211 | SYSCO LAS VEGAS, INC | 317086248 | 1 | 16-71-485 | .00 | 186.55 | 186.55 | Snr Svcs-Weekly Supplies Purchase-Foam-Paper-Disp-Cups, Containers |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
|--------------|---------------------|-----------------|------------------|-----------------------------|-------------------|---------------------|-----------------------|-------------------|-------------------|-----------------|--------------------------------------|
| To | otal 182927: | | | | | | | .00 | | 3,906.69 | |
| 03/22 | 03/07/2022 | 182928 | 15889 | TRAVELERS | 000608272 | 1 | 10-49-510 | .00 | 8,445.00 | 8,445.00 | Shared Svcs-Claim #FPA7451 J Chesley |
| To | otal 182928: | | | | | | | .00 | | 8,445.00 | |
| 03/22 | 03/07/2022 | 182929 | 16566 | TIRE'S WAREHOUSE LLC | SINV21-2115 | 1 | 10-66-245 | .00 | 383.72 | 383.72 | VM- 265/70R17 TIRES |
| To | otal 182929: | | | | | | | .00 | | 383.72 | |
| 03/22 | 03/07/2022 | 182930 | 17539 | TMD MARKETING & ADVERTISING | 5563 | 1 | 10-81-480 | .00 | 99.00 | 99.00 | Rec-Buddy Mail AD Mar 2022 |
| To | otal 182930: | | | | | | | .00 | | 99.00 | |
| 03/22 | 03/07/2022 | 182931 | 16674 | T-MOBILE | 965219089 | 1 | 10-54-290 | .00 | 446.25 | 446.25 | PD/ADMIN- GPS Fees |
| To | otal 182931: | | | | | | | .00 | | 446.25 | |
| 03/22 | 03/07/2022 | 182932 | 5616 | UNITED PARCEL SERVICE | 0009E16290 | 1 | 10-54-240 | .00 | 15.50 | 15.50 | PD-Shipping Charges |
| 03/22 | 03/07/2022 | 182932 | 5616 | UNITED PARCEL SERVICE | 0009E16290 | 2 | 10-57-240 | .00 | 14.41 | 14.41 | FD-Shipping Charges |
| 03/22 | 03/07/2022 | 182932 | 5616 | UNITED PARCEL SERVICE | 0009E16290 | 3 | 10-49-240 | .00 | 36.00 | 36.00 | Shared Svcs-Service Charge |
| To | otal 182932: | | | | | | | .00 | | 65.91 | |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 1 | 10-70-290 | .00 | 205.28 | 205.28 | PD/AC-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 2 | 10-50-290 | .00 | 151.83 | 151.83 | Attny-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 3 | 10-43-290 | .00 | 76.76 | 76.76 | City Mngr-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 4 | 10-41-290 | .00 | 177.17 | 177.17 | Myr Cncl-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 5 | 15-60-350 | .00 | 160.60 | 160.60 | Court-Toone Cell |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 6 | 15-40-370 | .00 | 86.04 | 86.04 | Court-Cell |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 7 | 10-61-290 | .00 | 174.44 | 174.44 | Dev Svcs-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 8 | 10-46-290 | .00 | 28.38- | 28.38- | Fin-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 9 | 10-57-290 | .00 | 707.15 | 707.15 | FD-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 10 | 10-57-290 | .00 | 456.12 | 456.12 | FD-Data Service |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 11 | 10-48-290 | .00 | 102.64 | 102.64 | HR-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 12 | 10-47-290 | .00 | 302.86 | 302.86 | IT-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 13 | 10-47-290 | .00 | 249.99 | 249.99 | IT-Equip |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 14 | 10-76-290 | .00 | 106.76 | 106.76 | Parks-Cells |

| GL | Check | Check | Vendor | | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
|--------|--------------|--------|--------|-------------------------------|---|----------|------------|----------|-----------|-----------|---|
| Period | Issue Date | Number | Number | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 15 | 10-54-290 | .00 | 1,536.72 | 1,536.72 | PD-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 16 | 10-54-290 | .00 | 1,575.59 | 1,575.59 | PD-Data Services |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 17 | 10-54-290 | .00 | 91.13 | 91.13 | PD/Victim Adv-Cell |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 18 | 30-01-290 | .00 | 30.52 | 30.52 | Grant-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | | 9899670525 | 19 | 23-85-290 | .00 | 359.16 | 359.16 | PD/More Cops-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 20 | 23-85-290 | .00 | 310.10 | 310.10 | PD/More Cops-Data |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 21 | 52-40-290 | .00 | 334.75 | 334.75 | PW/Admin/Sani-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 22 | 10-63-290 | .00 | 101.93 | 101.93 | PW/Facilities-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 23 | 10-66-290 | .00 | 51.32 | 51.32 | PW/Fleets-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 24 | 10-65-290 | .00 | 137.74 | 137.74 | PW/Streets-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 25 | 10-81-290 | .00 | 222.96 | 222.96 | Rec-Cells |
| 03/22 | 03/07/2022 | 182933 | 9528 | VERIZON WIRELESS | 9899670525 | 26 | 16-71-290 | .00 | 132.91 | 132.91 | Sr Ctr-Cells |
| Tr | otal 182933: | | | | | | _ | .00 | | 7,814.09 | |
| | nai 102500. | | | | | | - | | | | |
| 03/22 | 03/07/2022 | 182934 | 14455 | VERNA CARNESECCA | 220217004 | 1 | 10-54-310 | .00 | 100.00 | 100.00 | PD/Admin- Blood Draw |
| To | otal 182934: | | | | | | | .00 | | 100.00 | |
| 03/22 | 03/07/2022 | 182935 | 14952 | VIEVU LLC | VVU-GJ-000 | 1 | 10-54-310 | .00 | 954.00 | 954.00 | PD/ADMIN- DATA MIGRATION |
| 00/22 | OOFOFFEEE | 102000 | 11002 | VIE VO EEO | *************************************** | , | - | | 001.00 | | 1 BINDININ BANAMION TION |
| To | otal 182935: | | | | | | | .00 | | 954.00 | |
| 00/00 | 00/07/0000 | 100000 | 44.440 | WHEEL EDIO EL FOTDIO INO | 00000 | 4 | 45.40.770 | | 50.040.00 | 50.040.00 | DW GIONALO EDDIETAVIJA FENIDIVEDGIDE DEG 4 |
| 03/22 | 03/07/2022 | 182936 | | WHEELER'S ELECTRIC INC | 022222 | 1 1 | 45-40-776 | .00 | 58,840.80 | 58,840.80 | PW- SIGNALS FRP/FTM/HAFEN/RIVERSIDE REQ 4 |
| 03/22 | 03/07/2022 | 182936 | 11418 | WHEELER'S ELECTRIC INC | 022222RT | ļ | 45-21330 | .00 | 2,942.04- | 2,942.04- | PW- SIGNAL FRP/FTM/HAFEN/RIVERSIDE RET REQ 4 FEB 22 |
| To | otal 182936: | | | | | | _ | .00 | | 55,898.76 | |
| 03/22 | 03/07/2022 | 182937 | 10501 | WHITE CAP CONSTRUCTION SUPPLY | 5001797909 | 1 | 45-40-805 | .00 | 134.97 | 134.97 | STR- RAPID SET CONCRETE |
| Tr | otal 182937: | | | | | | = | .00 | | 134.97 | |
| 10 | nai 102331. | | | | | | - | .00 | | | |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 007583 | 1 | 10-54-240 | .00 | 11.70 | 11.70 | Batteries |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 0820386447 | 1 | 16-71-485 | .00 | 26.76 | 26.76 | Snr Svcs-Supplies-Foam Plates-Congregate |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 0920256398 | 1 | 10-81-610 | .00 | 9.27 | 9.27 | Rec Cntr- sewing kit/feather flag repairs |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 120144 | 1 | 10-55-620 | .00 | 48.18 | 48.18 | Inmate Medication |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 120144 | 2 | 10-55-610 | .00 | 81.97 | 81.97 | Car Wash Supplies |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 3520425872 | 1 | 16-71-485 | .00 | 26.76 | 26.76 | Snr Svcs-Supplies-Foam Plates-Congregate |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 3520425872 | 2 | 16-71-610 | .00 | 56.14 | 56.14 | Snr Svcs-Special Event Supplies-Plates, Cups, Napk |
| | | | | | | | | | | | |

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| Mar 09, | 2022 | 11:00AM |

| GL | Check | Check | Vendor | | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
|--------|---------------|----------|--------|-----------------------------------|------------|----------|--------------|----------|---------|--------|---|
| Period | Issue Date | Number | Number | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 3520425872 | 3 | 16-71-250 | .00 | 10.97 | 10.97 | Snr Svcs-janitorial Supplies-Laundry Detergent |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 3520425672 | 1 | 16-71-485 | .00 | 26.76 | 26.76 | Snr Svcs-Supplies-Foam Plates-Congregate |
| | 03/08/2022 | 182938 | 8034 | • | 3520427038 | 2 | 16-71-610 | .00 | 58.04 | 58.04 | Snr Svcs-Special Event Supplies-Plates, Cups, Napk, Andes |
| | 03/08/2022 | 182938 | 8034 | , - | 3520467152 | 1 | 10-82-610 | .00 | 100.00 | 100.00 | Museum- gift cards/contest |
| | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 3620270435 | 1 | 10-81-610 | .00 | 83.52 | 83.52 | Rec Cntr- water softener salt |
| | 03/08/2022 | 182938 | 8034 | • | 3820467163 | 1 | 17-80-610 | .00 | 22.00 | 22.00 | Rec Cntr- water for events |
| | 03/08/2022 | 182938 | 8034 | • | 3920218227 | 1 | 17-80-610 | .00 | 93.14 | 93.14 | Rec Cntr- safekey snacks |
| | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 5720316694 | 1 | 16-71-485 | .00 | 26.76 | 26.76 | Snr Svcs-Supplies-Foam Plates-Congregate |
| | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 603506 | 1 | 10-55-610 | .00 | 60.07 | 60.07 | Bleach, Batteries, Label Maker Tape |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 797169 | 1 | 10-55-610 | .00 | 54.09 | 54.09 | PD/Corr- Car wash supplies |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 9520256581 | 1 | 16-71-485 | .00 | 20.90 | 20.90 | Snr Svcs-Supplies-Foam Plates-Congregate |
| 03/22 | 03/08/2022 | 182938 | 8034 | WALMART STORES, INC. | 9620397632 | 1 | 17-80-610 | .00 | 97.40 | 97.40 | Rec Cntr- Supplies for safekey |
| | | | | | | | = | | - | | |
| To | tal 182938: | | | | | | | .00 | | 914.43 | |
| | | | | | | | - | | | | |
| 03/22 | 03/08/2022 | 182939 | 8034 | WALMART STORES, INC. | 797169 | 2 | 10-55-620 | .00 | 59.88 | 59.88 | PD/Corr- Food Bins for inmate meals |
| | | | | | | | ·- | | - | | |
| To | tal 182939: | | | | | | _ | .00 | | 59.88 | |
| 02/22 | 02/24/2022 | 22422001 | 16602 | JOSE GUILLEN | 021522 | 1 | 10-63-230 | .00 | 23.00 | 23.00 | FM- MEAL/PARKING HVAC TRADE SHOW 02.02.22 |
| | | | | | | | - | | | | |
| To | tal 22422001: | | | | | | | .00 | | 23.00 | |
| | | | | | | | - | | | | |
| 02/22 | 02/24/2022 | 22422002 | 11423 | WES CARTER | 021522 | 1 | 10-63-230 | .00 | 71.00 | 71.00 | FM- MEAL/PARKING HVAC TRADE SHOW 01.31-02.01.22 |
| | | | | | | | - | | - | | |
| To | tal 22422002: | | | | | | _ | .00 | | 71.00 | |
| 03/22 | 03/07/2022 | 30722001 | 10004 | 3M TRAFFIC SAFETY SYSTEM DIVISION | 9414973162 | 1 | 10-65-610 | 00 | 128.42 | 128.42 | STR-GLOSS OVERLAMINATE |
| 03/22 | 03/07/2022 | 30722001 | 12094 | 3W TRAFFIC SAFETY SYSTEM DIVISION | 9414973162 | ı | 10-65-610 | .00 | 120.42 | 120.42 | STR-GLOSS OVERLAMINATE |
| To | tal 30722001: | | | | | | | .00 | | 128.42 | |
| | | | | | | | - | | | | |
| 03/22 | 03/07/2022 | 30722002 | 14628 | AIR CONDITIONING DISCOUNT SUP | 20415 | 1 | 10-63-250 | .00 | 5.00 | 5.00 | CRT- ADAPTER/SOCKET WRENCH |
| 03/22 | 03/07/2022 | 30722002 | 14628 | AIR CONDITIONING DISCOUNT SUP | 20449 | 1 | 10-63-250 | .00 | 63.48 | 63.48 | CRT- HVAC ELECTRIC WIRE WHIP |
| | | | | | | | = | | = | | |
| To | tal 30722002: | | | | | | | .00 | | 68.48 | |
| | | | | | | | - | | | | |
| | 03/07/2022 | 30722003 | 3655 | | 9121383382 | 1 | 10-57-615 | .00 | 222.99 | 222.99 | FD-Oxygen |
| | 03/07/2022 | 30722003 | 3655 | | 9122336673 | 1 | 10-57-615 | .00 | 454.14 | 454.14 | FD - Oxygen |
| 03/22 | 03/07/2022 | 30722003 | 3655 | AIRGAS USA LLC | 9122584773 | 1 | 10-57-615 | .00 | 258.31 | 258.31 | FD- Oxygen |
| | | | | | | | | | | | |

| GL Chece eriod Issue D | | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| | | | | - Tayoo | | | | | 7 tillount | - Tillount | |
| 03/22 03/07/2 | 2022 | 30722003 | 3655 | AIRGAS USA LLC | 9985391743 | 1 | 10-57-615 | .00 | 501.50 | 501.50 | FD- Cylinder Rental oxygen |
| 03/22 03/07/2 | 2022 | 30722003 | 3655 | AIRGAS USA LLC | 9985391744 | 1 | 10-57-615 | .00 | 304.74 | 304.74 | FD- Cylinder Rental oxygen |
| 03/22 03/07/2 | 2022 | 30722003 | 3655 | AIRGAS USA LLC | 9986068981 | 1 | 10-57-615 | .00 | 304.74 | 304.74 | FD- Cylinder Rental oxygen |
| 03/22 03/07/2 | 2022 | 30722003 | 3655 | AIRGAS USA LLC | 9986068982 | 1 | 10-57-615 | .00 | 501.50 | 501.50 | FD- Cylinder Rental oxygen |
| Total 3072 | 22003: | | | | | | - | .00 | | 2,547.92 | |
| 03/22 03/07/2 | 2022 | 30722004 | 11611 | ALLAN LITMAN | FEB 2022 | 1 | 17-80-310 | .00 | 287.00 | 287.00 | Rec Prog- Spin Instructor |
| Total 3072 | 22004: | | | | | | _ | .00 | | 287.00 | |
| 3/22 03/07/2 | 2022 | 30722005 | 8756 | ALSCO | LSTG996527 | 1 | 10-66-610 | .00 | 30.92 | 30.92 | VM- UNIFORM CLEANING 02.14.22 |
| 3/22 03/07/2 | 2022 | 30722005 | 8756 | ALSCO | LSTG997585 | 1 | 16-71-485 | .00 | 54.05 | 54.05 | Snr Svcs- Laundry Services: Apron, oven pads, cleaning towels, mats, Laundry bag |
| 3/22 03/07/2 | 2022 | 30722005 | 8756 | ALSCO | LSTG998632 | 1 | 10-66-610 | .00 | 30.92 | 30.92 | VM- UNIFORM CLEANING 02.28.22 |
| Total 3072 | 22005: | | | | | | _ | .00 | | 115.89 | |
| 3/22 03/07/2 | 2022 | 30722006 | 14353 | AMERICAN TIRE DISTRIBUTORS | S164196214 | 1 | 10-66-245 | .00 | 1,256.22 | 1,256.22 | VM- 245/70R19 TIRES |
| Total 3072 | 22006: | | | | | | _ | .00 | | 1,256.22 | |
| 03/22 03/07/2 | 2022 | 30722007 | 1017 | AMERIGAS - ST GEORGE | 3133241811 | 1 | 10-63-280 | .00 | 114.62 | 114.62 | FA- PROPANE 02.21.22 |
| 3/22 03/07/2 | 2022 | 30722007 | 1017 | AMERIGAS - ST GEORGE | 3133322706 | 1 | 10-63-280 | .00 | 1,304.29 | 1,304.29 | MC- PROPANE 02.23.22 |
| 3/22 03/07/2 | 2022 | 30722007 | 1017 | AMERIGAS - ST GEORGE | 3133322714 | 1 | 17-80-610 | .00 | 946.03 | 946.03 | Rec Cntr- propane |
| Total 3072 | 22007: | | | | | | _ | .00 | | 2,364.94 | |
| 03/22 03/07/2 | 2022 | 30722008 | 15600 | ANN M MURPHY | FEB 2022 | 1 | 17-80-310 | .00 | 384.00 | 384.00 | Rec Prog- Lifelong Instructor Pilates/Yoga |
| Total 3072 | 22008: | | | | | | _ | .00 | | 384.00 | |
| 03/22 03/07/2 | 2022 | 30722009 | 15218 | APPARATUS EQUIPMENT & SERVICE INC | 22-IV-8000 | 1 | 10-57-250 | .00 | 5,341.03 | 5,341.03 | FD-SCBA Units |
| Total 3072 | 22009: | | | | | | _ | .00 | | 5,341.03 | |
| 3/22 03/07/2 | 2022 | 30722010 | 11104 | ASSESSMENT MANAGEMENT GRP INC | AMG1172 - A | 1 | 83-82-310 | .00 | 1,925.91 | 1,925.91 | SID Srvs-Anthem Feb 2022 |
| JIZZ UJIU112 | 2022 | 30122010 | 11104 | ACCECCIVILIA INAINAGENIENT GIVE INC | AMG1199 - C | | 03-02-310 | .00 | 1,323.91 | 1,523.31 | OID OIVS-AIRIGII I ED 2022 |

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| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| То | otal 30722010: | | | | | | | .00 | | 2,461.16 | |
| 03/22 | 03/07/2022 | 30722011 | 14380 | ATKINS NORTH AMERICA | 1966774 | 1 | 45-40-815 | .00 | 685.00 | 685.00 | PW- HAFEN PARK CLOMR JAN 22 |
| 03/22 | 03/07/2022 | 30722011 | 14380 | ATKINS NORTH AMERICA | 1966876 | 1 | 45-40-809 | .00 | 4,793.50 | 4,793.50 | PW- ENG SVCS TW DRAIN IMP DEC 21/JAN 22 |
| To | otal 30722011: | | | | | | | .00 | | 5,478.50 | |
| 03/22 | 03/07/2022 | 30722012 | 12319 | AUTO ZONE | 2230143694 | 1 | 10-66-250 | .00 | 12.86- | 12.86- | VM- Credit Retro Kit Ref:2230139140 |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230159795 | 1 | 10-66-250 | .00 | 165.00- | 165.00- | VM- Credit Rack & Pinion Ref:2230157997 |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230180070 | 1 | 10-66-250 | .00 | 21.77 | 21.77 | VM- SERPENTINE BELT |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230192821 | 1 | 10-66-250 | .00 | 72.79 | 72.79 | VM- WHEEL COVER |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230194019 | 1 | 10-66-250 | .00 | 119.89 | 119.89 | VM- RADIATOR |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230197748 | 1 | 10-66-250 | .00 | 138.69- | 138.69- | VM- CREDIT RADIATOR REF:223019419 |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230202412 | 1 | 10-66-250 | .00 | 14.69 | 14.69 | VM- STEERING WHEEL COVER |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230207029 | 1 | 10-66-250 | .00 | 4.99 | 4.99 | VM- WIPER BLADE |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230221308 | 1 | 10-66-250 | .00 | 17.80 | 17.80 | VM-HEATER HOSE |
| 03/22 | 03/07/2022 | 30722012 | 12319 | AUTO ZONE | 2230223610 | 1 | 10-66-250 | .00 | 8.90- | 8.90- | VM-CREDIT HEATER HOSE REF:2230221308 |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230225630 | 1 | 10-66-250 | .00 | 4.99 | 4.99 | VM-WIPER BLADE |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230226285 | 1 | 10-66-250 | .00 | 14.09 | 14.09 | VM-WASHER PUMP |
| 03/22 | 03/07/2022 | 30722012 | | AUTO ZONE | 2230233035 | 1 | 10-66-250 | .00 | 22.99 | 22.99 | VM- BRAKE PADS |
| 03/22 | 03/07/2022 | 30722012 | 12319 | AUTO ZONE | 2230266313 | 1 | 10-66-250 | .00 | 34.09 | 34.09 | VM- GASKET |
| 03/22 | 03/07/2022 | 30722012 | 12319 | AUTO ZONE | 2230266488 | 1 | 10-66-250 | .00 | 112.85 | 112.85 | VM- LOCKING HUB |
| | 03/07/2022 | 30722012 | | AUTO ZONE | 2230278852 | 1 | 10-66-250 | .00 | 164.99 | 164.99 | VM- RADIATOR |
| То | otal 30722012: | | | | | | | .00 | | 280.48 | |
| 03/22 | 03/07/2022 | 30722013 | 9268 | AUTOMOTIVE CERTIFIED TECH | 92858 | 1 | 10-66-250 | .00 | 97.15 | 97.15 | VM- WHEEL ALIGN 12 DODGE CHARGER |
| То | otal 30722013: | | | | | | | .00 | | 97.15 | |
| 03/22 | 03/07/2022 | 30722014 | 15801 | AXON ENTERPRISE, INC. | INUS036721 | 1 | 10-54-310 | .00 | 16,870.00 | 16,870.00 | PD/Admin- AUTO TAG, DOCKETS, EVIDENCE LICENSE |
| 03/22 | 03/07/2022 | 30722014 | 15801 | AXON ENTERPRISE, INC. | INUS039678 | 1 | 10-54-230 | .00 | 750.00 | 750.00 | PD/Admin-TASER INSTRUCTOR CLASS FOR SMITH & STRATTON |
| | | 30722014 | | AXON ENTERPRISE, INC. | INUS039679 | 1 | 10-54-310 | .00 | 1,704.00 | 1,704.00 | PD/Admin- Body Cam x2, Dock x2, & License |
| 03/22 | 03/01/2022 | 30722014 | 13601 | AXON ENTERPRISE, INC. | 11403039079 | ' | 10-34-310 | | 1,704.00 | 1,704.00 | F DIAGITITI- BODY CATT X2, DOCK X2, & LICETSE |
| То | otal 30722014: | | | | | | | .00 | | 19,324.00 | |
| 03/22 | 03/07/2022 | 30722015 | 15801 | AXON ENTERPRISE, INC. | INUS036721 | 2 | 10-55-310 | .00 | 4,274.00 | 4,274.00 | PD/Admin-AUTO TAG, DOCKETS, EVIDENCE LICENSE |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| Tot | tal 30722015: | | | | | | | .00 | | 4,274.00 | |
| 03/22 | 03/07/2022 | 30722016 | 15801 | AXON ENTERPRISE, INC. | INUS036721 | 3 | 10-70-310 | .00 | 4,710.00 | 4,710.00 | PD/Admin- Auto Tag, Dockets, Evidence License |
| Tot | tal 30722016: | | | | | | | .00 | | 4,710.00 | |
| 03/22 | 03/07/2022 | 30722017 | 15801 | AXON ENTERPRISE, INC. | INUS036721 | 4 | 23-85-310 | .00 | 5,342.00 | 5,342.00 | PD/Admin- AUTO TAG, DOCKETS, EVIDENCE LICENSE |
| Tot | al 30722017: | | | | | | | .00 | | 5,342.00 | |
| | 03/07/2022 03/07/2022 | 30722018 30722018 | 17275 17275 | BEBRAVE ATHLETICS BEBRAVE ATHLETICS | 030122 FEB 2022 | 1 1 | 25-85-653 17-80-310 | .00 .00 | 1,111.00 6,373.50 | 1,111.00 6,373.50 | City Mngr-RDA Grant award reimbursement, 50% of invoice for sign removal Rec Prog- gymnastics |
| Tot | tal 30722018: | | | | | | | .00 | | 7,484.50 | |
| 03/22 | 03/07/2022 | 30722019 | 14265 | BEST DEAL SPRINGS INC | 30025983-00 | 1 | 10-66-250 | .00 | 113.70 | 113.70 | VM- BLADES/ZIP TIES |
| Tot | tal 30722019: | | | | | | | .00 | | 113.70 | |
| 03/22 | 03/07/2022 | 30722020 | 12190 | BETTY KING | FEBRUARY2 | 1 | 16-71-310 | .00 | 812.00 | 812.00 | Snr Svcs-Fitness Class Payment-Gentle Yoga, Sweating Oldies, Life Force, Strength |
| Tot | al 30722020: | | | | | | | .00 | | 812.00 | |
| 03/22 | 03/07/2022 | 30722021 | 1150 | BULLOCH BROTHERS INC | 1677 | 1 | 25-85-772 | .00 | 4,500.00 | 4,500.00 | PW- ENG SVCS WITTWER TRAIL FEB 22 |
| 03/22 | 03/07/2022 | 30722021 | 1150 | BULLOCH BROTHERS INC | 1678 | 1 | 45-40-738 | .00 | 1,045.00 | 1,045.00 | PW-ENG DESIGN THOMAS EDISON FEB 22 |
| 03/22 | 03/07/2022 | 30722021 | 1150 | BULLOCH BROTHERS INC | 1679 | 1 | 10-73-310 | .00 | 5,400.00 | 5,400.00 | PW- LANDFILL TOPO FEB 22 |
| 03/22 | 03/07/2022 | 30722021 | 1150 | BULLOCH BROTHERS INC | 1699 | 1 | 43-40-310 | .00 | 481.43 | 481.43 | PW- AFM/MTCC LOT 302 FEB 22 |
| 03/22 | 03/07/2022 | 30722021 | 1150 | BULLOCH BROTHERS INC | 1699 | 2 | 44-40-100 | .00 | 160.47 | 160.47 | PW- AFM/MTCC LOT 302 FEB 22 |
| Tot | tal 30722021: | | | | | | | .00 | | 11,586.90 | |
| 03/22 | 03/07/2022 | 30722022 | 16081 | CHRISTINA S. RALSTON | FEB 2022 | 1 | 17-80-310 | .00 | 672.00 | 672.00 | Rec Prog- Lifelong Exercise Prgm : Water Aerobics |
| Tot | al 30722022: | | | | | | | .00 | | 672.00 | |
| | 03/07/2022 03/07/2022 | 30722023 30722023 | 1608 1608 | CLARK CO. DEPT. OF FINANCE CLARK CO. DEPT. OF FINANCE | FEB 22 JAN 2022 | 1 1 | 10-23240 10-23130 | .00 .00 | 28,000.00 23,333.02 | 28,000.00 23,333.02 | Transportation Dev Tax-Feb 22 Transient Lodging Transportation Tax-Jan 22 |
| | | | | | | | | | | | |

| | | | | | | OHOOK 10 | 540 B4100. 2/2 1/20 | LL O/O/LOLL | | | Wai 66, 2522 11.55/W |
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| GL Chec Period Issue D | | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
| Total 30722 | 22023: | | | | | | - | .00 | | 51,333.02 | |
| 03/22 03/07/2 03/22 03/07/2 | | 30722024 30722024 | | CLARK CO. TREASURE CLARK CO. TREASURE | JAN 2022 JAN 22 | 1 1 | 10-23140 10-23140 | .00 .00 | 14,583.14 23,333.02 | 14,583.14 23,333.02 | CCSD Capital Proj 5/8%-Jan 22 SCHOOL CONST.1% ROOM TAX-Jan 22 |
| Total 30722 | 22024: | | | | | | _ | .00 | | 37,916.16 | |
| 03/22 03/07/2 | /2022 | 30722025 | 15162 | CMC TIRE INC | 20056224 | 1 | 10-66-245 | .00 | 1,604.00 | 1,604.00 | VM-11R/22.5 TIRES |
| Total 30722 | 22025: | | | | | | - | .00 | | 1,604.00 | |
| 03/22 03/07/2 03/22 03/07/2 | | 30722026 30722026 | | COMBINED SYSTEMS INC COMBINED SYSTEMS INC | 0004396 0004396 | 1 2 | 10-54-230 10-54-230 | .00 | 895.00 895.00 | 895.00 895.00 | PD-Less Lethal Munitions Instructor Training: McOmie PD-Less Lethal Munitions Instructor Training: Baron |
| Total 30722 | 22026: | | | | | | - | .00 | | 1,790.00 | |
| 03/22 03/07/2 | /2022 | 30722027 | 17561 | L.N. CURTIS AND SONS | INV569501 | 1 | 10-54-610 | .00 | 73.25 | 73.25 | PD/Admin- Thatcher Uniforms |
| Total 30722 | 22027: | | | | | | - | .00 | | 73.25 | |
| 03/22 03/07/2 | /2022 | 30722028 | 10019 | DARLING INGREDIENTS INC. | 12004547 | 1 | 16-71-620 | .00 | 319.71 | 319.71 | Snr Svcs-Trap Services-Fuel Surcharge |
| Total 30722 | 22028: | | | | | | - | .00 | | 319.71 | |
| 03/22 03/07/2 03/22 03/07/2 | | 30722029 30722029 | 11236 11236 | DFA DAIRY BRANDS CORPORATE LLC DFA DAIRY BRANDS CORPORATE LLC | 59636891 59636923 | 1 | 16-71-480 16-71-480 | .00 | 284.85 251.48 | 284.85 251.48 | Snr Svcs-Congregate/Homebound Weekly Milk Purchase Snr Svcs-Congregate/Homebound Weekly Milk Purchase |
| Total 30722 | 22029: | | | | | | - | .00 | | 536.33 | |
| 03/22 03/07/2 | /2022 | 30722030 | 17200 | DIGITECH COMPUTER LLC | 60001431 | 1 | 10-57-310 | .00 | 2,638.81 | 2,638.81 | FD-Billing service fee January 22 |
| Total 30722 | 22030: | | | | | | - | .00 | | 2,638.81 | |
| 03/22 03/07/2 | /2022 | 30722031 | 17486 | DONNA S SCHORR | FEB 2022 | 1 | 17-80-310 | .00 | 277.90 | 277.90 | Rec Prog- yoga instructor |
| Total 30722 | 22031: | | | | | | - | .00 | | 277.90 | |
| 03/22 03/07/2 | /2022 | 30722032 | 16331 | ECONOMIC ALTERNATIVES INC | 93300 | 1 | 10-63-250 | .00 | 600.00 | 600.00 | CH- COOLING TOWER MAINT FEB 22 |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| 03/22 | 03/07/2022 | 30722032 | 16331 | ECONOMIC ALTERNATIVES INC | 93401 | 1 | 10-63-250 | .00 | 750.00 | 750.00 | MC- COOLING TOWER MAINT FEB 22 |
| То | tal 30722032: | | | | | | | .00 | | 1,350.00 | |
| 03/22 | 03/07/2022 | 30722033 | | KRT Concepts, LLC | 165324293 | 1 | 10-81-250 | .00 | 315.00 | 315.00 | Rec Cntr- preventative maintenance |
| 03/22 | 03/07/2022 | 30722033 | 16020 | KRT Concepts, LLC | 165324324 | 1 | 10-81-250 | .00 | 66.02 | 66.02 | Rec Cntr- eliptical battery |
| То | tal 30722033: | | | | | | | .00 | | 381.02 | |
| 03/22 | 03/07/2022 | 30722034 | 14274 | FRESHAIRE/AIREMASTER | 109357 | 1 | 10-81-610 | .00 | 70.00 | 70.00 | Rec Cntr- fragrance service |
| То | tal 30722034: | | | | | | | .00 | | 70.00 | |
| 03/22 | 03/07/2022 | 30722035 | 15505 | GINA R SANDOVAL | FEB 2022 | 1 | 17-80-310 | .00 | 84.00 | 84.00 | Rec Prog- Spin Instructor |
| To | tal 30722035: | | | | | | | .00 | | 84.00 | |
| 03/22 | 03/07/2022 | 30722036 | 10783 | GOT BUGS? LLC | 52377 | 1 | 10-63-310 | .00 | 525.00 | 525.00 | PW- MNTHLY PEST CONTROL FEB 22 |
| То | tal 30722036: | | | | | | | .00 | | 525.00 | |
| 03/22 | 03/07/2022 | 30722037 | 2427 | HELENA AGRI-ENTERPRISES LLC | 63766422 | 1 | 45-40-805 | .00 | 12,820.00 | 12,820.00 | PW-Weed Abatement/CCRFCD FEB 22 |
| То | tal 30722037: | | | | | | | .00 | | 12,820.00 | |
| 03/22 | 03/07/2022 | 30722038 | 14498 | HELIX LABORATORIES INC | 22323 | 1 | 52-40-480 | .00 | 1,484.88 | 1,484.88 | SANI- HL-222 IN 6 GALLON PAIL |
| То | tal 30722038: | | | | | | | .00 | | 1,484.88 | |
| 03/22 | 03/07/2022 | 30722039 | 2654 | INTERSTATE FIRE PROTECTION | 222802 | 1 | 10-66-250 | .00 | 240.00 | 240.00 | VM- DRY CHEM (16) |
| To | tal 30722039: | | | | | | | .00 | | 240.00 | |
| 03/22 | 03/07/2022 | 30722040 | 15504 | ITSAVVY LLC | 01328495 | 1 | 10-49-250 | .00 | 90.64 | 90.64 | Shared Svcs-Printer Ink |
| To | tal 30722040: | | | | | | | .00 | | 90.64 | |
| 03/22 | 03/07/2022 | 30722041 | 13293 | JAMES E. GUESMAN | PDIF00009 | 1 | 10-52-480 | .00 | 4,000.00 | 4,000.00 | City Mngr-Public Defender Legal Services-Feb 2022 |
| | | | | | | | | | | | |

| GL Check eriod Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| Total 30722041: | | | | | | - | .00 | | 4,000.00 | |
| 3/22 03/07/2022 | 30722042 | 15589 | JASON BLAKELY | 012422 | 1 | 10-57-610 | .00 | 205.00 | 205.00 | FD- Per Diem Charecteization Conference - Jan 2022 |
| Total 30722042: | | | | | | - | .00 | | 205.00 | |
| 3/22 03/07/2022 | 30722043 | 8445 | JENSEN PRECAST | CD99141017 | 1 | 22-65-746 | .00 | 626.00 | 626.00 | STR-POLY FIBER OPTIC/BOX |
| Total 30722043: | | | | | | - | .00 | | 626.00 | |
| 3/22 03/07/2022 | 30722044 | 13999 | JO ANNE F SMITH | FEBRUARY2 | 1 | 16-71-310 | .00 | 240.00 | 240.00 | Snr Svcs-Chair Class Payment |
| Total 30722044: | | | | | | _ | .00 | | 240.00 | |
| 3/22 03/07/2022 | 30722045 | 11106 | JOHNSTONE SUPPLY | 388-S514072 | 1 | 10-63-250 | .00 | 347.12 | 347.12 | FM- HOSE SETS |
| Total 30722045: | | | | | | _ | .00 | | 347.12 | |
| 3/22 03/07/2022 | 30722046 | 17293 | JUSTIN CHENEY | 112921 | 1 | 10-54-230 | .00 | 384.00 | 384.00 | PD-Per Diem LVMPD DT Instructor Training |
| Total 30722046: | | | | | | - | .00 | | 384.00 | |
| 3/22 03/07/2022 | 30722047 | 15460 | KAERCHER INSURANCE | 16368 | 1 | 10-49-510 | .00 | 255.00 | 255.00 | FY 21-22 PKG Endt 2 |
| Total 30722047: | | | | | | - | .00 | | 255.00 | |
| 3/22 03/07/2022 | 30722048 | 17302 | KIRSTEN SATERFIELD | FEB 2022 | 1 | 17-80-310 | .00 | 368.20 | 368.20 | Rec Prog- High Fitness Instructor |
| Total 30722048: | | | | | | - | .00 | | 368.20 | |
| 3/22 03/07/2022 | 30722049 | 10984 | KOKOPELLI LANDSCAPING | 143164 | 1 | 10-76-610 | .00 | 655.00 | 655.00 | Rec/Parks- Mulch |
| 3/22 03/07/2022 | 30722049 | 10984 | KOKOPELLI LANDSCAPING | 145390 | 1 | 10-76-310 | .00 | 1,995.00 | 1,995.00 | Rec/Parks- Mesq Blvd maintenance Feb 2022 |
| Total 30722049: | | | | | | - | .00 | | 2,650.00 | |
| 3/22 03/07/2022 | 30722050 | 3050 | L V REVIEW-JOURNAL | 0001181017 | 1 | 45-40-738 | .00 | 257.68 | 257.68 | PW- BID/THOMAS EDISON COURT |
| 3/22 03/07/2022 | 30722050 | 3050 | L V REVIEW-JOURNAL | 0001181982 | 1 | 10-44-310 | .00 | 84.88 | 84.88 | Clerk-Public Hearing Introduction of Bill B22-002 Title 1-7A-3-MPAC |

| | | | | | | Check Is | sue Dates: 2/24/20 | 22 - 3/8/2022 | | | | Mar 09, 2022 11:00AM |
|--------------|---------------------|-----------------|------------------|--------------------------------|-------------------|---------------------|-----------------------|-------------------|-------------------|-----------------|----------------------|----------------------|
| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | | |
| To | otal 30722050: | | | | | | - | .00 | | 342.56 | | |
| 03/22 | 03/07/2022 | 30722051 | 3000 | LAS VEGAS CONVENTION AUTHORITY | FEB 22 | 1 | 10-23100 | .00 | 9,518.25 | 9,518.25 | Gaming Tax-Feb 22 | |
| 03/22 | 03/07/2022 | 30722051 | 3000 | LAS VEGAS CONVENTION AUTHORITY | JAN 2022 | 1 | 10-23110 | .00 | 93,332.08 | 93,332.08 | Room Tax-Jan 22 | |
| 03/22 | 03/07/2022 | 30722051 | 3000 | LAS VEGAS CONVENTION AUTHORITY | JAN22 | 1 | 10-23115 | .00 | 11,666.51 | 11,666.51 | Authority Exp-Jan 22 | |

Mar 09, 2022 11:00AM

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
|----------------|--------------------------|----------------------|------------------|---|--------------------------|---------------------|------------------------|-------------------|-------------------|-----------------|---|
| | | | | | | | | | | | |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0008861-IN | 1 | 10-57-610 | .00 | 102.12 | 102.12 | FD-STATION 1 LAUNDRY DETERGENT, MULTIFOLD TOWELS |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0008869-IN | 1 | 10-57-610 | .00 | 64.25 | 64.25 | FD-STA 3 VEHCILE WASH |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0008870-IN | 1 | 10-57-610 | .00 | 105.42 | 105.42 | FD-STA 3 LAUNDRY DETERGENT, KITCHEN ROLL TOWEL |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0008932-IN | 1 | 52-40-610 | .00 | 86.04 | 86.04 | SANI- UPSIDE DOWN SPRAY PAINT |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0008986-IN | 1 | 16-71-250 | .00 | 843.24 | 843.24 | Snr Svcs-Janitorial Supplies-Lqd swbby, glvs, dgrsr, soap, cntr pll,toilt ppr,tissue,trsh bgs |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0008996-IN | 1 | 10-54-610 | .00 | 88.57 | 88.57 | PD/ADMIN- XL GLOVES |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 0009014-IN- | 1 | 10-63-610 | .00 | 131.95 | 131.95 | CH- JANITORIAL SUPPLIES 02.23.22 |
| 03/22 | 03/07/2022 | 30722058 | 3580 | MORCON INDUSTRIAL SPECIALTY | 008704-IN | 1 | 10-57-610 | .00 | 280.30 | 280.30 | FD-STA 3 JANITORAL SUPPLIES |
| To | otal 30722058: | | | | | | - | .00 | | 2,032.42 | |
| 03/22 | 03/07/2022 | 30722059 | 14058 | MTM CLEANING SERVICE | 448 | 1 | 10-54-310 | .00 | 100.00 | 100.00 | PD/Admin- Gym cleaning August |
| 03/22 | 03/07/2022 | 30722059 | 14058 | MTM CLEANING SERVICE | 449 | 1 | 10-54-310 | .00 | 100.00 | 100.00 | PD/Admin- Gym cleaning November |
| 03/22 | 03/07/2022 | 30722059 | 14058 | MTM CLEANING SERVICE | 450 | 1 | 10-54-310 | .00 | 100.00 | 100.00 | PD/Admin- Gym cleaning DECEMBER |
| 03/22 | 03/07/2022 | 30722059 | 14058 | MTM CLEANING SERVICE | 451 | 1 | 10-54-310 | .00 | 100.00 | 100.00 | PD/Admin- Gym cleaning FEB |
| 03/22 | 03/07/2022 | 30722059 | 14058 | MTM CLEANING SERVICE | 452 | 1 | 10-63-310 | .00 | 1,850.00 | 1,850.00 | CH/PD/CRT- CLEANING 02.28.22 |
| To | otal 30722059: | | | | | | _ | .00 | | 2,250.00 | |
| 03/22 | 03/07/2022 | 30722060 | 14046 | NIKKI OWSLEY | FEB 2022 | 1 | 17-80-310 | .00 | 1,152.00 | 1,152.00 | Rec Prog- yoga instructor |
| To | otal 30722060: | | | | | | _ | .00 | | 1,152.00 | |
| 03/22 | 03/07/2022 | 30722061 | 11404 | OLIVER PRODUCTS CO. | 147603 | 1 | 16-71-485 | .00 | 156.76 | 156.76 | Snr Svcs-HB Film Roll |
| 03/22 | 03/07/2022 | 30722061 | 11404 | OLIVER PRODUCTS CO. | 147716 | 1 | 16-71-485 | .00 | 2,033.04 | 2,033.04 | Snr Svcs-HB 3C Tray |
| To | otal 30722061: | | | | | | _ | .00 | | 2,189.80 | |
| 03/22 | 03/07/2022 | 30722062 | 13670 | REDWOOD TOXICOLOGY LABORATORY | 11388020221 | 1 | 10-48-310 | .00 | 15.47 | 15.47 | SPECIMEN DRUG TEST CONFIRMATION |
| To | otal 30722062: | | | | | | _ | .00 | | 15.47 | |
| 02/22 | 02/07/2022 | 20722062 | 10606 | DEEDICEDATION CUIDDUES DIST | FE91E14 00 | 1 | 10.62.220 | 00 | 00.00 | 00.00 | TM TDAINING 2.45.22 LOUBLEN/2.45.22 LOUBLEN/2W CADTED |
| 03/22 03/22 | 03/07/2022 03/07/2022 | 30722063 30722063 | 10626 10626 | REFRIGERATION SUPPLIES DIST REFRIGERATION SUPPLIES DIST | 5581514-00 5581684-00 | 1 | 10-63-230 10-63-250 | .00 .00 | 90.00 213.59 | 90.00 213.59 | FM- TRAINING 2.15.22 J GUILLEN/3.15.22 J GUILLEN&W CARTER FM- PRESSURE GAUGES/CHARGING HOSE |
| 30,22 | 30,0.72022 | 55. <u>LL</u> 000 | 70020 | | 223100100 | | - | | 210.00 | | |
| To | otal 30722063: | | | | | | - | .00 | | 303.59 | |
| 03/22 | 03/07/2022 | 30722064 | 15836 | RHINEHART OIL COMPANY LLC | IN-642594-2 | 1 | 10-66-255 | .00 | 25,886.22 | 25,886.22 | VM-UNLEADED FUEL |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| To | otal 30722064: | | | | | | | .00 | - | 25,886.22 | |
| 03/22 | 03/07/2022 | 30722065 | | RMT EQUIPMENT | P32129 | 1 | 10-66-250 | .00 | 2,175.13 | 2,175.13 | VM- BELTS/SWITCHES/BRGS |
| 03/22 03/22 | 03/07/2022 03/07/2022 | 30722065 30722065 | | RMT EQUIPMENT RMT EQUIPMENT | P32154 P32504 | 1 | 10-66-250 10-66-250 | .00 | 55.87 140.35 | 55.87 140.35 | VM- SPACER AXLE CENTER REAR VM- DAMPNER SHOCK/STABILIZERS |
| To | otal 30722065: | | | | | | _ | .00 | _ | 2,371.35 | |
| 03/22 | 03/07/2022 | 30722066 | 16660 | ROSEMARY ENNIS | FEB 2022 | 1 | 17-80-310 | .00 | 256.00 | 256.00 | Rec Prog- Lifelong Instructor |
| To | otal 30722066: | | | | | | - | .00 | - | 256.00 | |
| 03/22 | 03/07/2022 | 30722067 | 16629 | SARAH LEAVITT | FEB 2022 | 1 | 17-80-310 | .00 | 3,440.00 | 3,440.00 | Rec Prog- tough country fitness |
| To | otal 30722067: | | | | | | | .00 | - | 3,440.00 | |
| 03/22 | 03/07/2022 | 30722068 | 17335 | SHAWNA BENNETT | 021722 | 1 | 10-54-230 | .00 | 21.00 | 21.00 | PD-Reimbursement for Resort Fee |
| To | otal 30722068: | | | | | | | .00 | - | 21.00 | |
| 03/22 | 03/07/2022 | 30722069 | 13011 | SILVERSTATE ANALYTICAL LAB | LV280572 | 1 | 52-40-310 | .00 | 453.00 | 453.00 | SANI- LAB SVCS 02.01.22 |
| To | otal 30722069: | | | | | | - | .00 | - | 453.00 | |
| | 03/07/2022 03/07/2022 | 30722070 30722070 | | SIMPLIFILE SIMPLIFILE | 1500431395 1500436080 | 1 | 10-38-900 10-60-610 | .00 .00 | 352.00 90.00 | 352.00 90.00 | Clerk-Easement 2/2-2/25/22 PW- OFFSITE AGREEMENTS FEB 22 |
| | otal 30722070: | 00.220.0 | | | .000.00000 | · | | .00 | - | 442.00 | |
| | 03/07/2022 | 30722071 | 10591 | SPRINKLER SUPPLY-ST. GEORGE | VQ3881 | 1 | 10-76-610 | .00 | - 889.52 | 889.52 | Rec/Parks- 4" vac norm close |
| | otal 30722071: | | | | | | | .00 | - | 889.52 | |
| | 03/07/2022 | 30722072 | 17575 | STAR SIGN INC | 144434 | 1 | 23-85-740 | .00 | 1,255.22 | 1,255.22 | PD/Admin- Graphics for Ford Incep. |
| | otal 30722072: | | | | | | | .00 | , - - | 1,255.22 | · |
| | 03/07/2022 | 30722073 | 14851 | STATEWIDE TRAFFIC SAFETY & SIGNS | 11014749 | 1 | 10-65-610 | .00 | 205.62 | 205.62 | STR- WHITE CALTRANS |
| | , | | | | | , | | | | 7-1-2 | |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| Tota | al 30722073: | | | | | | • | .00 | | 205.62 | |
| 03/22 | 03/07/2022 | 30722074 | 14500 | JOHN DEERE FINANCIAL | P33721 | 1 | 10-66-250 | .00 | 600.00 | 600.00 | VM- BRAKES |
| Tota | al 30722074: | | | | | | | .00 | | 600.00 | |
| 3/22 | 03/07/2022 | 30722075 | 14640 | SUNRISE ENGINEERING INC | 0123542 | 1 | 20-76-805 | .00 | 71.50 | 71.50 | PW- Eng Svcs Pickleball Courts Jan 22 |
| Tota | al 30722075: | | | | | | | .00 | | 71.50 | |
| 3/22 | 03/07/2022 | 30722076 | 5224 | SUNRISE ENVIRONMENTAL | 128209 | 1 | 10-70-610 | .00 | 1,860.83 | 1,860.83 | PD/AC- 3 x Hydrofoil, Sani Wipes, Disinfectant, L & XL Gloves |
| Tota | al 30722076: | | | | | | | .00 | | 1,860.83 | |
| 3/22 | 03/07/2022 | 30722077 | 14879 | SUSAN LOE | FEBRUARY2 | 1 | 16-71-310 | .00 | 42.00 | 42.00 | Snr Svcs-Fall Prevention Payment |
| Tota | al 30722077: | | | | | | | .00 | | 42.00 | |
| 03/22 | 03/07/2022 | 30722078 | 10598 | TATIANA SELLNER | 85416 | 1 | 10-54-610 | .00 | 52.50 | 52.50 | PD/Admin- Volunteer 2021 Plaque |
| 3/22 | 03/07/2022 | 30722078 | 10598 | TATIANA SELLNER | 85426 | 1 | 10-82-615 | .00 | 316.50 | 316.50 | Museum- Gift shop items |
| Tota | al 30722078: | | | | | | | .00 | | 369.00 | |
| 3/22 | 03/07/2022 | 30722079 | 9127 | TEAMSTERS SEC. FUND #14 | APR 2022 | 1 | 10-22500 | .00 | 72,450.00 | 72,450.00 | A4175 Active-Non Bargaining Apr 2022 |
| | 03/07/2022 | 30722079 | 9127 | TEAMSTERS SEC. FUND #14 | APR 22 | 1 | 10-22500 | .00 | 116,900.00 | 116,900.00 | A4174 Active-Bargaining Apr 2022 |
| Tota | al 30722079: | | | | | | | .00 | | 189,350.00 | |
| 03/22 | 03/07/2022 | 30722080 | 14215 | TERRIE ELAINE MCARTHUR | FEB 2022 | 1 | 17-80-310 | .00 | 704.00 | 704.00 | Rec Prog- Lifelong Instructor |
| Tota | al 30722080: | | | | | | | .00 | | 704.00 | |
| 03/22 | 03/07/2022 | 30722081 | 5290 | THATCHER COMPANY | 2022400102 | 1 | 52-40-480 | .00 | 5,947.50 | 5,947.50 | SANI- T CHLOR 02.23.22 |
| 03/22 | 03/07/2022 | 30722081 | 5290 | THATCHER COMPANY | 2022400102 | 1 | 10-81-610 | .00 | 1,700.00 | 1,700.00 | Rec Cntr- tchlor |
| 3/22 | 03/07/2022 | 30722081 | 5290 | THATCHER COMPANY | 2022400103 | 1 | 10-81-610 | .00 | 2,100.00 | 2,100.00 | Rec Cntr- Hydrochloric Acid |
| Tota | al 30722081: | | | | | | | .00 | | 9,747.50 | |

| GL | Check | Check | Vendor | | Invoice | Invoice | Invoice | Discount | Invoice | Check | |
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| Period | Issue Date | Number | Number | Payee | Number | Sequence | GL Account | Taken | Amount | Amount | |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 166356 | 1 | 10-66-480 | .00 | 92.74 | 92.74 | VM- BRAKES |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 166392 | 1 | 10-66-250 | .00 | 236.34 | 236.34 | VM- BATTERIES/ CORE DEPOSITS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | | 166630 | 1 | 10-66-250 | .00 | 132.24 | 132.24 | VM- SPARK PLUGS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | | 166927 | 1 | 10-66-250 | .00 | 191.77 | 191.77 | VM- COMPRESSOR/BLOW GUN |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 166928 | 1 | 10-66-250 | .00 | 65.93 | 65.93 | VM- WINDOW SWITCH |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 166958 | 1 | 10-66-250 | .00 | 17.34 | 17.34 | VM- AIR HOSE |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167160 | 1 | 10-66-250 | .00 | 215.06 | 215.06 | VM- ALTERNATOR/CORE DEPOSIT |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167163 | 1 | 10-66-480 | .00 | 202.40 | 202.40 | VM- U-JOINTS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167232 | 1 | 10-66-480 | .00 | 34.84 | 34.84 | VM- U-JOINTS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167280 | 1 | 10-66-250 | .00 | 272.34 | 272.34 | VM- BATTERIES/ CORE DEPOSITS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167293CR | 1 | 10-66-480 | .00 | 123.24- | 123.24- | VM- CREDIT CORE DEPOSIT REF:167163 |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167302CR | 1 | 10-66-250 | .00 | 79.01- | 79.01- | VM- CREDIT CORE DEPOSIT REF:72841 |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167304CR | 1 | 10-66-250 | .00 | 83.15- | 83.15- | VM- CREDIT CORE DEPOSIT REF:79373 |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167307CR | 1 | 10-66-250 | .00 | 48.77- | 48.77- | VM- CREDIT CORE DEPOSIT REF:167237/162758 |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167341 | 1 | 10-57-610 | .00 | 50.00 | 50.00 | FD-OIL DRY |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167399 | 1 | 10-66-250 | .00 | 10.25 | 10.25 | VM- OUTLET |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 167964 | 1 | 10-66-480 | .00 | .93 | .93 | VM- HEX NUTS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168028 | 1 | 10-66-250 | .00 | 135.26 | 135.26 | VM- BELT KIT/IDLER PULLEY |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168236 | 1 | 10-66-250 | .00 | 481.37 | 481.37 | VM- BATTERIES/ CORE DEPOSITS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168266 | 1 | 10-66-250 | .00 | 80.92 | 80.92 | VM- WINDSHIELD WIPERS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168283CR | 1 | 10-66-250 | .00 | 238.33- | 238.33- | VM- CREDIT CORE DEPOSITS REF: 168236 |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168531 | 1 | 10-66-250 | .00 | 4.03 | 4.03 | VM- FUEL LINE CLIP |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168615 | 1 | 10-66-250 | .00 | 202.24 | 202.24 | VM- BALL JOINTS/HEADLIGHT SWITCH |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168841 | 1 | 10-66-250 | .00 | 14.20 | 14.20 | VM- AIR TOOL LUBRICANT |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168851 | 1 | 10-66-250 | .00 | 71.76 | 71.76 | VM- GAS CANS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168868 | 1 | 10-66-250 | .00 | 409.01 | 409.01 | VM- DOOR LOCK CLIP/BEARINGS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168879 | 1 | 10-66-250 | .00 | 15.51 | 15.51 | VM- LIGHT LENS |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168928 | 1 | 10-66-250 | .00 | 27.99 | 27.99 | VM- DISC PAD |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168938 | 1 | 10-66-250 | .00 | 14.20 | 14.20 | VM- AIR TOOL LUBRICANT |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168946 | 1 | 10-66-250 | .00 | 27.99 | 27.99 | VM- DISC PAD |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168954 | 1 | 10-66-250 | .00 | 50.93 | 50.93 | VM- TRACK BAR BUSHING |
| 03/22 | 03/07/2022 | 30722082 | 15287 | TINK'S SUPERIOR AUTO PARTS | 168964CR | 1 | 10-66-250 | .00 | 27.99- | 27.99- | VM- CREDIT DISC PAD REF: 168928 |
| To | otal 30722082: | | | | | | | .00 | | 2,457.10 | |
| 03/22 | 03/07/2022 | 30722083 | 3400 | TRADE WEST CONSTRUCTION | 030122RT | 1 | 45-21330 | .00 | 114,043.81 | 114,043.81 | PW- FRP/HORIZON RETENTION RELEASE MAR 22 |
| USIZZ | 03/01/2022 | 30122003 | 3499 | TABL WEST CONSTRUCTION | 000122R1 | ' | 4 0-21330 – | .00 | 114,043.01 | | I W- I N. MONIZON NETENTION NELLAGE WAR ZZ |
| To | otal 30722083: | | | | | | _ | .00 | | 114,043.81 | |
| | | | | | | | | | | | |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
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| 03/22 | 03/07/2022 | 30722084 | 8770 | US. FOODSERVICE - L.V. DIV. | 4961402 | 1 | 16-71-480 | .00 | 1,808.31 | 1,808.31 | Snr Svcs- Weekly Food Purchase |
| 03/22 | 03/07/2022 | 30722084 | 8770 | US. FOODSERVICE - L.V. DIV. | 5121458 | 1 | 10-55-620 | .00 | 609.98 | 609.98 | PD/Corr- Inmate Food |
| 03/22 | 03/07/2022 | 30722084 | 8770 | US. FOODSERVICE - L.V. DIV. | 5121459 | 1 | 16-71-480 | .00 | 240.13 | 240.13 | Sn Cntr-Food purchased for VVHS Little League Event (Being reimbursed) |
| 03/22 | 03/07/2022 | 30722084 | 8770 | US. FOODSERVICE - L.V. DIV. | 5121463 | 1 | 16-71-480 | .00 | 1,312.18 | 1,312.18 | Snr Svcs- Weekly Food Purchase |
| To | tal 30722084: | | | | | | - | .00 | | 3,970.60 | |
| 03/22 | 03/07/2022 | 30722085 | 17000 | VICTORY SUPPLY LLC | 0061046 | 1 | 10-55-610 | .00 | 13.95 | 13.95 | PD/Corr- Washcloths |
| 03/22 | 03/07/2022 | 30722085 | 17000 | VICTORY SUPPLY LLC | 0061074 | 1 | 10-55-620 | .00 | 73.23 | 73.23 | PD/Corr- Tampons for Inmates |
| 03/22 | 03/07/2022 | 30722085 | 17000 | VICTORY SUPPLY LLC | 0061232 | 1 | 10-55-610 | .00 | 168.06 | 168.06 | PD/Corr- shave cream, comb |
| To | tal 30722085: | | | | | | _ | .00 | _ | 255.24 | |
| 03/22 | 03/07/2022 | 30722086 | 5900 | VIRGIN VALLEY DISPOSAL | 27765054 | 1 | 52-40-310 | .00 | 4,343.49 | 4,343.49 | SANI- BIO SOLIDS FEB 22 |
| 03/22 | 03/07/2022 | 30722086 | 5900 | VIRGIN VALLEY DISPOSAL | 27765055 | 1 | 10-73-310 | .00 | 3,490.77 | 3,490.77 | PW- SOLID WASTE FEB22 |
| To | tal 30722086: | | | | | | _ | .00 | | 7,834.26 | |
| 03/22 | 03/07/2022 | 30722087 | 8748 | VIRGIN VALLEY VETERINARY HOSP. | 334679 | 1 | 10-70-310 | .00 | 618.71 | 618.71 | PD/AC- Nueter (TINY) |
| 03/22 | 03/07/2022 | 30722087 | 8748 | VIRGIN VALLEY VETERINARY HOSP. | 335378 | 1 | 10-70-310 | .00 | 14.00 | 14.00 | PD/AC- Rabies for Monty |
| 03/22 | 03/07/2022 | 30722087 | 8748 | VIRGIN VALLEY VETERINARY HOSP. | 335399 | 1 | 10-70-310 | .00 | 399.50 | 399.50 | PD/AC- Exam for Monty |
| 03/22 | 03/07/2022 | 30722087 | 8748 | VIRGIN VALLEY VETERINARY HOSP. | 335481 | 1 | 10-70-310 | .00 | 177.40 | 177.40 | PD/AC- Exam Daphney & Shaggy |
| To | tal 30722087: | | | | | | - | .00 | | 1,209.61 | |
| 03/22 | 03/07/2022 | 30722088 | 5901 | VIRGIN VALLEY WATER DISTRICT | DEC 21 | 1 | 52-21400 | .00 | 77,064.75 | 77,064.75 | SNWA Proceed Allocation-Dec 2021 |
| 03/22 | 03/07/2022 | 30722088 | | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 1 | 10-49-282 | .00 | 561.86 | 561.86 | Non Department-Water |
| 03/22 | 03/07/2022 | 30722088 | 5901 | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 2 | 10-55-282 | .00 | 318.19 | 318.19 | Jail-Water |
| 03/22 | 03/07/2022 | 30722088 | | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 3 | 10-54-282 | .00 | 405.51 | 405.51 | PD-Water |
| 03/22 | 03/07/2022 | 30722088 | | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 4 | 10-57-282 | .00 | 624.87 | 624.87 | FD-Water |
| 03/22 | 03/07/2022 | 30722088 | 5901 | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 5 | 10-65-282 | .00 | 119.14 | 119.14 | Streets-Water |
| 03/22 | 03/07/2022 | 30722088 | | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 6 | 10-66-282 | .00 | 167.79 | 167.79 | Veh Maint-Water |
| 03/22 | 03/07/2022 | 30722088 | 5901 | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 7 | 10-76-282 | .00 | 13,104.00 | 13,104.00 | Parks-Water |
| 03/22 | 03/07/2022 | 30722088 30722088 | 5901 5001 | VIRGIN VALLEY WATER DISTRICT VIRGIN VALLEY WATER DISTRICT | FEB 2022 FEB 2022 | 8 9 | 10-81-282 | .00 .00 | 4,399.95 | 4,399.95 | Rec Cntr-Water Museum-Water |
| 03/22 | 03/07/2022 03/07/2022 | 30722088 | 5901 5901 | VIRGIN VALLEY WATER DISTRICT VIRGIN VALLEY WATER DISTRICT | FEB 2022 FEB 2022 | 10 | 10-82-282 10-83-282 | .00 | 34.65 468.17 | 34.65 468.17 | Welcome Center-Water |
| 03/22 | 03/07/2022 | 30722088 | | VIRGIN VALLEY WATER DISTRICT VIRGIN VALLEY WATER DISTRICT | FEB 2022 FEB 2022 | 10 | 12-87-282 | .00 | 466.17 245.42 | 406.17 245.42 | Airport-Water |
| | 03/07/2022 | 30722088 | | VIRGIN VALLEY WATER DISTRICT | FEB 2022 FEB 2022 | 12 | 12-07-202 16-71-282 | .00 | 245.42 264.41 | 245.42 264.41 | Sr Cntr- Water |
| 03/22 | | 30122000 | J30 I | VII COIL WILLET WITH LIVE DIGITION | 1 LD 2022 | 12 | 10-7 1-202 | .00 | 207.71 | 204.41 | Or One Water |

| GL Period | Check Issue Date | Check Number | Vendor Number | Payee | Invoice Number | Invoice Sequence | Invoice GL Account | Discount Taken | Invoice Amount | Check Amount | |
|--------------|---------------------|-----------------|------------------|-------------------------------|-------------------|---------------------|-----------------------|-------------------|-------------------|-----------------|----------------------------------|
| 03/22 | 03/07/2022 | 30722088 | 5901 | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 14 | 25-85-700 | .00 | 18.85 | 18.85 | Land Purchased 51 N Yucca |
| 03/22 | 03/07/2022 | 30722088 | 5901 | VIRGIN VALLEY WATER DISTRICT | FEB 2022 | 15 | 52-40-282 | .00 | 463.72 | 463.72 | Sani-Water |
| To | otal 30722088: | | | | | | - | .00 | | 98,832.83 | |
| 03/22 | 03/07/2022 | 30722089 | 14218 | WARREN B HARDY II | 2203 | 1 | 10-41-310 | .00 | 2,000.00 | 2,000.00 | Gov. Affairs Consultation-Mar 22 |
| To | otal 30722089: | | | | | | - | .00 | | 2,000.00 | |
| 03/22 | 03/07/2022 | 30722090 | 14712 | WESTERN ENVIRONMENTAL TESTING | 22020224 | 1 | 52-40-310 | .00 | 74.00 | 74.00 | SANI- QUANTITRAY LABS 02.08.22 |
| 03/22 | 03/07/2022 | 30722090 | 14712 | WESTERN ENVIRONMENTAL TESTING | 22020449 | 1 | 52-40-310 | .00 | 74.00 | 74.00 | SANI- QUANTITRAY LABS 02.15.22 |
| To | otal 30722090: | | | | | | - | .00 | | 148.00 | |
| 03/22 | 03/07/2022 | 30722091 | 17542 | RICHARD GLICK | 030722 | 1 | 12-87-310 | .00 | 5,050.75 | 5,050.75 | Air-FBO Svcs 2/16-3/3/22 |
| 03/22 | 03/07/2022 | 30722091 | 17542 | RICHARD GLICK | 030722 | 2 | 12-87-695 | .00 | 384.50- | 384.50- | Air-Shared Bank Fees |
| 03/22 | 03/07/2022 | 30722091 | 17542 | RICHARD GLICK | 030722WC | 1 | 12-87-610 | .00 | 51.13- | 51.13- | Air-Workers Comp |
| To | otal 30722091: | | | | | | - | .00 | | 4,615.12 | |
| G | rand Totals: | | | | | | = | .00 | : | 2,024,634.2 | |

A. P.O's for Not Previously Budget-Approved Items...amounts exceed \$5,000

| | | | | | | | For Fis | cal Year 2021 | -2022 |
|--------------------------------|---|---------------|--------------|-----------|---|---------------------------------------|-----------------|---------------------------|------------------------------------|
| | T | | | G/L | Account | PO's to be | Original Budget | Current Budget Balance | Remaining Budget (Over) / Under |
| Vendor | Description | Requested By: | Department | Account # | Description | Approved | | | |
| Mesquite Electric (PO00119) | Complete improvements for fiber optics project - Hardy Way to Flat Top Mesa/Falcon Ridge Pkwy | T. Anderson | Public Works | 22-65-740 | Transportation Impact Fee Fund - Streets & Drainage: Capital Outlay | \$ 598,768.52 | \$ 11,840.00 | \$ - | \$ (598,768.52) |
| (* = = = ;) | i i i i i i i i i i i i i i i i i i i | | | | | · · · · · · · · · · · · · · · · · · · | | - | (000): 00:00/ |
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B. P.O's for Budgeted Items...amounts exceed \$25,000

| | | | | G/L | Account | PO's to be | Original Budget | Current Budget Balance | Remaining Budget (Over) / Under |
|--------|-------------|---------------|------------|-----------|-------------|------------|-----------------|---------------------------|------------------------------------|
| Vendor | Description | Requested By: | Department | Account # | Description | Approved | | Dalatice | (Over) / Orider |
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For Fiscal Year 2021-2022

| | TRANSF | ERS FROM: | | | TRA | ANSFERS TO: | |
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| Fund | Account # | Account Description | Incr. <decr></decr> | Fund | Account # | Account Description | Incr. <decr></decr> |
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NRS 354.5980005

Budget appropriations may be transferred between functions, funds or contingency accounts in the following manner, if such a transfer does not increase the total appropriation for any fiscal year and is not in conflict with other statutory provisions:

- (a) The person designated to administer the budget for local government may transfer appropriations within any function.
- (b) The person designated to administer the budget may transfer appropriations between functions or programs within a fund, if:
 - (1) The governing body is advised of the action at the next regular meeting and
 - (2) The action is recorded in the official minutes of the meeting
- (c) Upon recommendation of the person designated to administer the budget, the governing body may authorize the transfer of appropriations
 - (1) The governing body announces the transfer of appropriations of a regularly scheduled meeting and sets forth the each amount to be transferred and the accounts, functions, programs and funds affected;
 - (3) The action is recorded in the official minutes of the meeting.

CITY OF MESQUITE

NOTIFICATION OF BUDGET AMENDMENTS AND BUDGET AUGMENTS

DATE OF COUNCIL MEETING: 03/22/2022

BUDGET AMENDMENTS FY 2021-2022

| | Revenues In | crease <decrease></decrease> | Amended | l Amounts | E | Expenditures | Increase <decrease></decrease> | Amended | Amounts |
|------|-------------|------------------------------|---------------------|-----------|------|--------------|--------------------------------|---------------------|---------|
| Fund | Account # | Account Description | Incr. <decr></decr> | Budget | Fund | Account # | Account Description | Incr. <decr></decr> | Budget |
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BUDGET AMENDMENTS FY 2021 - 2022

| l | Revenues | Increase <decrease></decrease> | | | | | | | |
|------|-----------|--------------------------------|---------------------|--------|------|-----------|---------------------|---------------------|--------|
| Fund | Account # | Account Description | Incr. <decr></decr> | Budget | Fund | Account # | Account Description | Incr. <decr></decr> | Budget |
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AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Tysha Blaber Submitting Department: Public Works

Consent Agenda

Consideration of Bid Award for Thomas Edison Court & Storm Drain Improvement Project.

- Public Comments
- Discussion and Possible Action

PETITIONER: Travis H. Anderson, Public Works Director **DEPARTMENT:** Public Works

RECOMMENDATION:

Recommendation to award the Thomas Edison Court & Storm Drain Improvement Project to Trade West Construction Inc for \$561,960.00

Public Works Construction Estimate for this project was \$308,667.00.

Background:

Public Works opened bids on March 8, 2022 for the Thomas Edison Court & Storm Drain Improvement Project. Bids were submitted by CG&B Enterprises Inc, Teal Excavation LLC and Trade West Construction Inc.

Public Works recommends awarding the bid to the lowest responsible bidder (Trade West Construction LLC) for a total of \$561,960.00.

The Thomas Edison Court & Storm Drain Improvement Project will provide roadway & drainage system improvements within the right of way. The project includes furnishing & installing electrical conduit, subgrade preparation, curb & gutter, plantmix bituminous pavement.

Fiscal Impact: Project Cost: \$561,960.00

Budgeted in GL Account 4540738 (Thomas Edison Court) fund.

Funds for this project are 100% reimbursable from Regional Transportation Commission of Southern Nevada (RTC).

Budgeted Item: Yes

Attachments:

- BidAbstract.pdf
- BidProposals.pdf
- BidSpecifications.pdf
- ImprovementPlans_14Feb22.pdf
- BidOpening_RecordofSubmittals.pdf

| BASE BID | | CG&B En | terprises, Inc. | Teal Excav | ration, LLC. | Trade West Co | nstruction, Inc. | | |
|--|-----------------------|-------------|-----------------|--------------|--------------|---------------|------------------|--------------|------|
| Bid Description | Estimated Quantity | Unit | Unit Price | Total Amount | Unit Price | Total Amount | Unit Price | Total Amount | |
| Bid Schedule | | | | | | | | | |
| 1 Mobilization/Demobilization | 1 | Lump Sum | \$44,259.00 | \$44,259.00 | \$50,000.00 | \$50,000.00 | \$34,500.00 | \$34,500.00 | |
| 2 Excavation and Grading | 1 | Lump Sum | \$16,792.00 | \$16,792.00 | \$18,200.00 | \$18,200.00 | \$46,000.00 | \$46,000.00 | |
| 3 Subgrade Preparation | 33,400 | SF | \$0.31 | \$10,354.00 | \$0.25 | \$8,350.00 | \$0.35 | \$11,690.00 | |
| 4 Furnish and Install 10-inch type II Aggregate Base | 28,800.00 | SF | \$1.85 | \$53,280.00 | \$1.10 | \$31,680.00 | \$1.61 | \$46,368.00 | |
| 5 Furnish and Install 15-inch Type II Aggregate Base (shoulder) | 4,600 | SF | \$6.07 | \$27,922.00 | \$1.60 | \$7,360.00 | \$1.84 | \$8,464.00 | |
| Furnish and Install 5-inch Bituminous Plantmix (PG 76-22) with Formula Seal | og 28,800 | SF | \$3.98 | \$114,624.00 | \$3.20 | \$92,160.00 | \$4.14 | \$119,232.00 | |
| 7 Furnish & Install 24-inch "L" Type Curb and Gutter With Aggregat Base | e 370 | LF | \$28.80 | \$10,656.00 | \$23.00 | \$8,510.00 | \$34.50 | \$12,765.00 | |
| 8 Furnish & Install Street Lights | 4 | EA | \$9,683.00 | \$38,732.00 | \$8,500.00 | \$34,000.00 | \$7,038.00 | \$28,152.00 | |
| 9 Furnish & Install 8-inch Sanitary Sewer Main | 650 | LF | \$96.78 | \$62,907.00 | \$70.00 | \$45,500.00 | \$46.00 | \$29,900.00 | |
| 10 Furnish and Install 48-inch Sewer Manholes | 2 | EA | \$9,783.00 | \$19,566.00 | \$5,000.00 | \$10,000.00 | \$8,625.00 | \$17,250.00 | |
| 11 Furnish and Install 6-inch Sewer Lateral | 4 | EA | \$3,266.00 | \$13,064.00 | \$2,000.00 | \$8,000.00 | \$1,725.00 | \$6,900.00 | |
| 12 Furnish and Install 18-inch Diameter RCP Storm Drain Pipe | 50 | LF | \$285.00 | \$14,250.00 | \$115.00 | \$5,750.00 | \$85.00 | \$4,250.00 | |
| 13 Furnish and Install 24-inch Diameter RCP Storm Drain Pipe | 695 | LF | \$190.00 | \$132,050.00 | \$125.00 | \$86,875.00 | \$85.00 | \$59,075.00 | |
| 14 Furnish and Install Storm Drain Manholes | 2 | EA | \$8,799.00 | \$17,598.00 | \$8,500.00 | \$17,000.00 | \$8,625.00 | \$17,250.00 | |
| 15 Furnish Traffic Control Signs and Barricades | 1 | Lump Sum | \$3,579.00 | \$3,579.00 | \$3,500.00 | \$3,500.00 | \$1,725.00 | \$1,725.00 | |
| Furnish and install 4-inch Thick Concrete Flatwork for Sidewalk w Aggregate Base | ith 2,200 | SF | \$7.20 | \$15,840.00 | \$6.00 | \$13,200.00 | \$8.05 | \$17,710.00 | |
| Furnish and Install 8-inch Water Main including valves, Bends, temporary blow-offs and air vac | 660 | LF | \$118.00 | \$77,880.00 | \$151.00 | \$99,660.00 | \$87.40 | \$57,684.00 | |
| 18 Furnish and Install 2-inch Water Service Lateral | 3 | EA | \$3,546.00 | \$10,638.00 | \$6,600.00 | \$19,800.00 | \$5,175.00 | \$15,525.00 | |
| 19 Furnish and Install Fire Hydrant Assembly, valve and lateral | 2 | EA | \$4,283.00 | \$8,566.00 | \$6,000.00 | \$12,000.00 | \$8,625.00 | \$17,250.00 | |
| 20 Furnish and Install Pavement Markings & Signs | 1 | Lump Sum | \$2,550.00 | \$2,550.00 | \$4,500.00 | \$4,500.00 | \$4,520.00 | \$4,520.00 | |
| 21 Furnish and Install Beehive Drop Inlet | 2 | EA | \$5,931.00 | \$11,862.00 | \$9,500.00 | \$19,000.00 | \$2,875.00 | \$5,750.00 | |
| Bid Schedule Total | | | | \$706,969.00 | | \$595,045.00 | | \$561,960.00 | |

BID PROPOSAL

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

TO: CITY OF MESQUITE, 10 E. MESQUITE BLVD., MESQUITE, NEVADA 89027

FROM (Name of Bidder): CG&B Enterprises, Inc.

Bidder Address: 221 Sunpac Ave, Henderson, NV 89011

Bidder Phone / Fax / Email: 702-565-6564 / 702-565-0184 / ccook@cgandbinc.com

Having fully and carefully examined the plans and specifications associated with Thomas Edison Court Roadway and Storm Drain Improvement Project (the "Project"), which is dated February, 2022 respectively, and were prepared by Bulloch Brothers Engineering, Inc. and having visited the site to become familiar with all conditions affecting the cost of the work, and having performed all other due diligence and other investigation associated with the work, the undersigned Bidder hereby proposes to furnish all fees, labor, materials, equipment, and incidentals and to perform all work to complete the Projects in the manner called for in said documents for the total sum listed below and as shown on the bid Schedule:

Base Bid Amount:

\$ 706,969.00

If awarded the Contract, the undersigned Bidder further agrees to execute the attached Agreement within 10 days after receiving a written notice of award and agrees to furnish within the 10 day period, all bonds and insurance information required, as well as all other required information and documents.

If awarded the Contract, the undersigned Bidder further agrees to commence actual physical work as indicated on the "Notice to Proceed" and agrees that all work will be completed within 45 calendar days of the date of the Notice to Proceed (or as set forth in the Notice to Proceed) unless the time for completion is subsequently extended in an addendum signed by the City and the undersigned Bidder.

In case of any failure on the part of the Bidder to complete the work within the time fixed in the Contract, the Bidder shall pay the City as fixed and liquidated damages the amount specified in the Agreement as well as any other damages that may be available to the City at law or equity.

| at a | | Charlie Cook - Executive Vice President | | | |
|---------------------------|----------------------|---|--|--|--|
| Authorized Agent Signatur | e (required) | Print Name and Title | | | |
| 39691 | Α | Unlimited | | | |
| Nevada Contractor License | No. / Classification | Limit / Performance & Payment Bond Rating | | | |

Bidder acknowledges receipt of the following addendum(failure to acknowledge receipt of any addendum shall be cause for rejection of the Bid):

| Addendum No. | Receipt Date | | |
|--------------|--------------|--|--|
| 1 | 3/5/2022 | | |
| | 4 | | |

BID SCHEDULE

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

NOTE TO BIDDERS: Any quantities or other information listed are merely estimates based on preliminary plans and specifications. Bidder shall review, inspect, and conduct Bidder's own due diligence related to the same and all other aspects of Bidder's Bid. By submitting a bid, Bidder hereby verifies all quantities and other specifics based on Bidder's own due diligence and investigation. If upon further inspection prior to bidding or beginning work, any quantity amounts specified below or on the plans for the Project are found to vary substantially from any estimated quantities, Bidder shall immediately notify the City of Mesquite in writing.

| | | Estima | | |
|----------|--|-------------|-------------|--------------|
| Bid Iten | n Description | Quantity | Unit Price | Total Amount |
| 1 | Mobilization/Demobilization | Lump Sum | \$44,259.00 | \$44,259.00 |
| 2 | Excavation and Grading | Lump Sum | \$16,792.00 | \$16,792.00 |
| 3 | Subgrade Preparation | 33,400 s.f. | \$0.31 | \$10,354.00 |
| 4 | Furnish & Install 10-inch Type II Aggregate Base | 28,800 s.f | \$1.85 | \$53,280.00 |
| 5 | Furnish & Install 15-inch Type II Aggregate Base (shoulder) | 4,600 s.f | \$6.07 | \$27,922.00 |
| 6 | Furnish & Install 5-inch Bituminous Plantmix (PG 76-22) with Fog Seal | 28,800 s.f. | \$3.98 | \$114,624.00 |
| 7 | Furnish & Install 24-inch "L" Type Curb and Gutter With Aggregate Base | 370 l.f. | \$28.80 | \$10,656.00 |
| 8 | Furnish & Install Street Lights | 4 ea | \$9,683.00 | \$38,732.00 |
| 9 | Furnish & Install 8-inch Sanitary Sewer Main | 650 l.f | \$96.78 | \$62,907.00 |
| 10 | Furnish and Install 48-inch Sewer Manholes | 2 ea | \$9,783.00 | \$19,566.00 |
| 11 | Furnish and Install 6-inch Sewer Lateral | 4 ea | \$3,266.00 | \$13,064.00 |
| 12 | Furnish and Install 18-inch Diameter RCP Storm Drain Pipe | 50 l.f. | \$285.00 | \$14,250.00 |
| 13 | Furnish and Install 24-inch Diameter RCP Storm Drain Pipe | 695 l.f. | \$190.00 | \$132,050.00 |
| 14 | Furnish and Install Storm Drain Manholes | 2 ea | \$8,799.00 | \$17,598.00 |
| 15 | Furnish Traffic Control Signed and Barricades | Lump Sum | \$3,579.00 | \$3,579.00 |

| 16 | Furnish and install 4-inch Thick Concrete Flatwork for Sidewalk with Aggregate Base | 2,200 | s.f. | \$7.20 | \$15,840.00 |
|----|---|------------|------|------------|-------------|
| 17 | Furnish and Install 8-inch Water Main including valve Bends, temporary blow-offs and air vac | es, 660 | l.f. | \$118.00 | \$77,880.00 |
| 18 | Furnish and Install 2-inch Water Service Lateral | 3 | ea | \$3,546.00 | \$10,638.00 |
| 19 | Furnish and Install Fire Hydrant Assembly, valve and lateral | 2 | ea | \$4,283.00 | \$8,566.00 |
| 20 | Furnish and Install Pavement Markings & Signs | 1 | l.s. | \$2,550.00 | \$2,550.00 |
| 21 | Furnish and Install Beehive Drop Inlet | 2 | ea | \$5,931.00 | \$11,862.00 |

Total Bid Amount: \$_706,969.00

Bid Total Amount written in words SEVEN HUNDRED SIX THOUSAND NINE HUNDRED SIXTY-NINE

DOLLARS AND ZERO CENTS

CONTRACTOR WORK / SUBCONTRACTOR WORK DESCRIPTION

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

CONTRACTOR'S WORK

If the Contractor (Bidder) will perform any work which is more than 1 percent of the Contractor's total bid, the Contractor shall provide a description of the labor or portion of the work that the Contractor will provide; or a statement that the Contractor will perform all work other than the work being performed by the subcontractor(s) listed below (see NRS 338.141(3)).

Description of the labor or portion of the work the Contractor (Bidder) will provide or perform itself:

ALL WORK NOT LISTED BELOW

Percentage of the work the Contractor (Bidder) will perform itself:

75%

SUBCONTRACTORS' WORK (5% or greater) The Contractor (Bidder) shall provide the name of each subcontractor who will provide labor or a portion of the work for which the subcontractor will be paid an amount exceeding 5 percent of the Contractor's total bid (see NRS 338.141(1)(b)). The District also requests that the Contractor (Bidder) provide a description of the work each such subcontractor will provide and the percentage of the total work each such subcontractor will perform. Subcontractor 1 Name of the subcontractor: SUNROC CORPORATION Description of the labor or portion of the work the subcontractor will provide: ASPHALT PAVING Percentage of the work the subcontractor will perform:

Description of the labor or portion of the work the subcontractor will provide: ASPHALT PAVING Percentage of the work the subcontractor will perform: 15% Subcontractor 2 Name of the subcontractor: WHEELER'S ELECTRIC Description of the labor or portion of the work the subcontractor will provide: STREETLIGHTS Percentage of the work the subcontractor will perform: 5% Subcontractor 3 Name of the subcontractor: Description of the labor or portion of the work the subcontractor will provide: Percentage of the work the subcontractor will perform:

Within 2 hours after opening the bids, the Contractors (Bidders) who submitted the three lowest bids must also provide the following information for each subcontractor who will be paid 1 percent of the Contractor's total bid or \$50,000, whichever is greater: 1) the name of the subcontractor, 2) the subcontractor's Nevada contractor's license number, and 3) a description of the labor or work to be provided by the subcontractor (see NRS 338.141(1)(b) and (2).

This information may be provided with the Bid or it may be provided within 3 hours after opening the bids.

| This information | may be provided with the Bid or it may be provided within 2 hours after opening the bids. |
|------------------|---|
| Subcontractor 1 | Name of subcontractor: SUNROC CORPORATION |
| | Subcontractor's Nevada contractor's license number: 71854A |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | ASPHALT PAVING |
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| | |
| Subcontractor 2 | Name of subcontractor: |
| | Subcontractor's Nevada contractor's license number: |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | |
| | |
| Subcontractor 3 | Name of subsection that |
| Subcontractor 3 | Name of subcontractor: |
| | Subcontractor's Nevada contractor's license number: |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | |
| | |
| Subcontractor 4 | Name of subcontractor: |
| | Cubaaahaada Nawada aantaada Kaanaa ayankaa |
| | Subcontractor's Nevada contractor's license number: |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | |
| | |
| Subcontractor 5 | Name of subcontractor: |
| | Subcontractor's Nevada contractor's license number: |
| | |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | |
| | |

IMPORTANT NOTICE: Attach additional sheets as needed. If a Bidder fails to provide any of the required information within the required timeframe, the Bid shall be deemed not responsive (see NRS 338.141(4)).

BID BOND

CITY OF MESQUITE - Thomas Edison Court Roadway and Storm Drain Improvement Project PWP#CL 2022-237 **Labor Commission Project Identifying Number:**

| Date: | March 4, 2022 |
|--------------------|---|
| Bidder/Contractor: | CG&B Enterprises, Inc. |
| Surety Company: | Liberty Mutual Insurance Company |
| Penal Sum of Bond: | Five Percent (5%) of the Total Amount Bid |

KNOW ALL MEN BY THESE PRESENTS, that we, the above identified Bidder/Contractor, as Principal, and the above identified Surety Company, as Surety, are hereby held and firmly bound unto the City of Mesquite in the penal sum stated above, the payment of which we hereby jointly and severally bind ourselves, successors and assigns to make to the City of Mesquite upon any failure by Bidder/Contractor to perform Bidder/Contractor's obligations arising from Bidder/Contractor's submission of a Bid to the City of Mesquite to perform all Work associated with the above identified Project should the Bid be accepted. Bidder/Contractor has attached hereto a copy of the Bid and associated documents which are made a part hereof.

Surety's obligations under this Bid Bond shall be null and void under the following conditions:

- 1. If Bidder/Contractor's Bid is rejected, or
- 2. If Bidder/Contractor's Bid is accepted and Bidder/Contractor executes and delivers the Agreement in the form attached hereto, properly completed in accordance with Bidder/Contractor's Bid, and furnishes a Bond for Bidder/Contractor's faithful performance of the Agreement, for the timely payment of all persons, subcontractors, Suppliers, and others performing labor or furnishing materials in connection with the Project, and for otherwise performing the Agreement which shall be created by the City of Mesquite's acceptance of the Bid.

The liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as stated above. The Surety, for value received, also hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way be impaired or affected by any extension of the time within which the City may accept Bidder/Contractor's Bid; and said Surety does hereby waive all notice of any such extension. Surety understands that surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located; Surety hereby represents and warrants that Surety is in compliance with the foregoing.

CG&B Enterprises, Inc.

BIDDER/CONTRACTOR

Bidder/Contractor's Authorized Signature

Liberty Mutual Insurance Company

SURETY COMPANY

Surety's Authorized Signature

Print Name and Title



ACKNOWLEDGEMENT BY SURETY

STATE OF COLORADO

COUNTY OF ARAPAHOE

On this March 4, 2022 before me personally appeared Sarah C. Brown to me known, who being by me duly sworn, did acknowledge and say that he/she is the Attorney-in-Fact of Liberty Mutual Insurance Company, the corporation that executed the foregoing instrument, and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal, at my office in the above County, the day and year written above.

Ashlea Mercede McCaughey, Public Notary

My Commission Expires: October 24, 2024

ASHLEA MERCEDE MCCAUGHEY
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20164040543
MY COMMISSION EXPIRES OCTOBER 24, 2024



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

> Liberty Mutual Insurance Company The Ohio Casualty Insurance Company West American Insurance Company

Certificate No: 8204995-985403

POWER OF ATTORNEY

| KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that |
|--|
| Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized |
| under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Ashlea |
| McCaughey; Donald Appleby; Jessica Jean Rini; Mark Sweigart; Sarah C. Brown; Todd Bengford |
| |

all of the city of Greenwood Village state of CO each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 9th day of March 2021





Liberty Mutual Insurance Company The Ohio Casualty Insurance Company West American Insurance Company

State of PENNSYLVANIA County of MONTGOMERY

Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe. shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this day of







Renee C. Llewellyn, Assistant Secretary

NON-COLLUSIVE AFFIDAVIT OF BIDDER

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project PWP#CL 2022-237 **Labor Commission Project Identifying Number:**

| STATE OF NEVADA |) |
|-----------------|----|
| | SS |
| COUNTY OF CLARK |) |

The undersigned, being first duly sworn, deposes and says that:

- (1) The undersigned is an authorized representative of the Bidder identified below, holding the title within also stated below.
- (2) The undersigned has submitted the attached Bid on behalf of and with authority of the Bidder,
- (3) The undersigned is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances and information respecting such Bid;
- (4) Such Bid is genuine and is not a collusive or sham Bid;
- (5) Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the above identified Project for which the attached Bid has been submitted or to refrain from bidding in connection with such Project, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm, or person to fix the price or prices in the attached Bid or of any other bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Mesquite or any person interested in the proposed Project; and
- (6) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in any interest, including this affiant.

| ar a | Charlie Cook - Executive Vice President |
|---|---|
| Bidder's Authorized Signature | Print Name and Title |
| | CG&B Enterprises Inc. |
| | 221 Sunpac Ave. |
| | Henderson, NV 89011 |
| | Bidder's Address |
| | 702-565-6564 |
| | Bidder's Telephone |
| Subscribed and sworn to before me this <u>8</u> day of <u>N</u> | larch 2022 |
| Mychalle Hall | MICHELLE HALL Notary Public, State of Nevada |
| My commission expires 3/14/2024 | Appointment No. 20-2905-01 |

My Appt. Expires Mar 14, 2024

DECLARATION OF COMPLIANCE WITHAMERICANS WITH DISABILITIES ACT

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

The Americans with Disabilities Act (ADA) was enacted on July 26, 1990 by the United States Congress to protect the disabled from discrimination in employment, public accommodations, transportation and telecommunications.

The City of Mesquite requires that all of its contractors having fifteen (15) or more employees satisfy their nondiscrimination obligations under the ADA. As such, the undersigned Bidder certifies that it will comply with the nondiscrimination provisions of the ADA.

In addition, the undersigned acknowledges that the following signed statement is required on all contracts and addenda to all contracts now in effect with the City of Mesquite, the undersigned represents and warrants that the statement is true, and agrees that such statement is hereby incorporated into all contracts and addenda between the City of Mesquite and the Bidder:

"I, the undersigned on behalf of the identified contractor hereby certify that the below referenced company is in compliance with the nondiscrimination provisions of the Americans with Disabilities Act."

Bidder's Authorized Signature

Date

Charlie Cook - Executive Vice President

CITY OF MESQUITE

AFFIDAVIT OF COMPLIANCE WITH ASSEMBLY BILL 144

(Contractor submitting for Preferential Bidder Status shall include this Affidavit)

| STATE OF NEVADA |) | | |
|---------------------------|-------------------|------------------|---|
| COUNTY OF CLARK | ss. | | |
| COUNTY OF CLARK | , | | |
| ı, <u>Charles Cook</u> | | (Name of party | igning this affidavit and the Bid Form), |
| Executive Vice Pre | esident_(title), | under penalty of | perjury, being duly sworn, depose and say: |
| That CG&B Enter | prises Inc. | (name of p | erson, firm, association, or corporation) is |
| in compliance with 2011 | Assembly Bill 144 | , enacted into N | RS, Chapter 338, effective April 27, 2011. |
| Bidder shall review enact | ed Bill 144 and N | RS Chapter, 338. | |
| | | | |
| Signature | | | Executive Vice President Title |
| Signature | | | nue |
| | | | CG&B Enterprises Inc. |
| | | | 221 Sunpac Ave |
| | | | Henderson, NV 89011 Address |
| Subscribed and sworn to | before me this | | |
| 8th Day of Marc | eh V | _ | MICHELLE HALL Notary Public, State of Nevada Appointment No. 20-2905-01 |
| My commission expires | 3/14/2024 | _ 1 | My Appt. Expires Mar 14, 2024 |



NEVADA STATE CONTRACTORS BOARD

5390 KIETZKE LANE, SUITE 102, RENO, NEVADA, 89511 (775) 688-1141 FAX (775) 688-1271, INVESTIGATIONS (775) 688-1150 2310 CORPORATE CIRCLE, SUITE 200, HENDERSON, NEVADA, 89074, (702) 486-1100 FAX (702) 486-1190, INVESTIGATIONS (702) 486-1110

CERTIFICATE OF ELIGIBILITY PER NRS 338.147 and NRS 338.1389

CERTIFICATE NUMBER: *BPC-00-06-29-0159*

DATE

C G & B ENTERPRISES, INC. (HEREIN THE "GENERAL CONTRACTOR") NEVADA STATE CONTRACTORS' LICENSE NUMBER: 0039691 ORIGINAL ISSUE DATE: 06/22/1995 BUSINESS TYPE: CORPORATION CLASSIFICATION: A-GENERAL ENGINEERING MONETARY LICENSE LIMIT: UNLIMITED STATUS: ACTIVE, IS HEREBY ISSUED THIS CERTIFICATE BY THE NEVADA STATE CONTRACTORS' BOARD, BASED UPON THE INFORMATION CONTAINED IN THE STATEMENT OF COMPLIANCE WITH NEVADA REVISED STATUTES (NRS) 338.147 AND NRS 338.1389 AND THE AFFIDAVIT OF CERTIFIED PUBLIC ACCOUNTANT SUBMITTED TO THE NEVADA STATE CONTRACTORS BOARD AS PROOF OF CONTRACTOR'S COMPLIANCE WITH THE PROVISIONS OF NRS 338.147 AND NRS 338.1389, ATTACHED HERETO. IN ACCORDANCE WITH THE PROVISIONS OF NRS 338.147(3), THE ABOVE-NAMED GENERAL CONTRACTOR AND A CERTIFIED PUBLIC ACCOUNTANT HAVE SUBMITTED FULLY EXECUTED AND NOTARIZED SWORN AFFIDAVITS AS PROOF OF PREFERENTIAL BIDDER STATUS, UNDER PENALTY OF PERJURY, CERTIFYING THAT THE GENERAL CONTRACTOR IS QUALIFIED TO RECEIVE A PREFERENCE IN BIDDING AS SET FORTH IN NRS 338.147 AND NRS 338.1389 AND OTHER MATTERS RELATING THERETO.

THIS CERTIFICATE OF ELIGIBILITY IS ISSUED ON JULY 1, 2021 AND EXPIRES ON JUNE 30, 2022, UNLESS SOONER REVOKED OR SUSPENDED BY THE NEVADA STATE CONTRACTORS BOARD.



6/8/12021 (Marson May 10) NANCY MATHIAS, LICENSING ADMINISTRATOR FOR MARGI A. GREIN, EXECUTIVE OFFICER

The Nevada State Contractors Board assumes no liability or responsibility for the accuracy or validity of the information contained in the Contractors Statement of Compliance or the Affidavit of Certified Public Accountant as Proof of Contractors Compliance with the Provisions of NRS 338.147 and NRS 338.1389. The above-named General Contractor shall bear the responsibility to ascertain the accuracy and validity of the affidavits provided to support the issuance of this certificate.



CORPORATE RESOLUTION

WHEREAS, the Corporation desires to grant signing and authority to certain person(s) described hereunder.

RESOLVED, that the Board of Directors is hereby authorized and approved to grant signing and authority to conduct business to any one of the following person(s): Charles Cook-Executive Vice President of CGB. The foregoing signing and authority granted shall include, but shall not be limited to, the execution of Deeds, powers of attorney, transfers, assignments, contracts, obligations, certificates, and other instruments of whatever nature entered into by this Corporation.

The undersigned hereby certifies that he/she is the duly elected and qualified Secretary and the custodian of the books and records of CG&B Enterprises, Inc., a corporation duly formed pursuant to the laws of the state of Nevada and that the foregoing is a true record of a resolution duly adopted at a meeting of the Board of Directors and that said meeting was held in accordance with state law and the Bylaws of the above-named Corporation on January 4, 2021 and that said resolution is now in full force and effect without modification or rescission.

IN WITNESS WHEREOF, I have executed my name as Secretary and have hereunto affixed the corporate seal of the above-named Corporation this 5th day of April, 2021.

Frank Petrini

Secretary

CITY OF MESQUITE

10 East Mesquite Boulevard Mesquite, NV 89027

www.mesquitenv.gov

BUSINESS LICENSE

The business or principal(s) named below is hereby granted a license to do business as stated herein in the City of Mesquite, Nevada, subject to the provisions of TITLE 2 of the Mesquite Municipal Code, and subsequent amendments thereof for the period indicated.

BUSINESS NAME: CG&B Enterprises, Inc. **LICENSE NUMBER:** 990531

TYPE OF BUSINESS: Contractor



DATE ISSUED: 12/29/2021

EXPIRATION DATE: 01/31/2023

BUSINESS LOCATION: 221 Sunpac Ave, Henderson NV 89011

OWNER / PRINCIPAL(S):

(Hellas Construction Inc.)

Mayor

City Manager

THIS LICENSE IS NOT TRANSFERABLE BETWEEN OWNERS AND/OR LOCATIONS THIS LICENSE MUST BE POSTED IN A CONSPICUOUS PLACE

To: (CG&B Enterprises, Inc.) 221 Sunpac Ave Henderson, NV 89011

BID PROPOSAL

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: **PWP#CL 2022-237**

| Labor Commission Project Identifying Number: PWP#CL 2022-237 |
|---|
| DATE:March 8, 2022 |
| TO: CITY OF MESQUITE, 10 E. MESQUITE BLVD., MESQUITE, NEVADA 89027 |
| FROM (Name of Bidder): Teal Excavation, LLC. |
| Bidder Address: P.O. Box 7151 Bunkerville, NV 89007 |
| Bidder Phone / Fax / Email:reed@tealexcavation.com |
| Having fully and carefully examined the plans and specifications associated with Thomas Edison Court Roadway and Storm Drain Improvement Project (the "Project"), which is dated February, 2022 respectively, and were prepared by Bulloch Brothers Engineering, Inc. and having visited the site to become familiar with all conditions affecting the cost of the work, and having performed all other due diligence and other investigation associated with the work, the undersigned Bidder hereby proposes to furnish all fees, labor, materials, equipment, and incidentals and to perform all work to complete the Projects in the manner called for in said documents for the total sum listed below and as shown on the bid Schedule: |
| Base Bid Amount: \$595,045.00 |
| If awarded the Contract, the undersigned Bidder further agrees to execute the attached Agreement within 10 days after receiving a written notice of award and agrees to furnish within the 10 day period, all bonds and insurance information required, as well as all other required information and documents. If awarded the Contract, the undersigned Bidder further agrees to commence actual physical work as indicated on the "Notice to Proceed" and agrees that all work will be completed within 45 calendar days of the date of the Notice to Proceed (or as set forth in the Notice to Proceed) unless the time for completion is subsequently extended in an addendum signed by the City and the undersigned Bidder. |
| In case of any failure on the part of the Bidder to complete the work within the time fixed in the Contract, the Bidder shall pay the City as fixed and liquidated damages the amount specified in the Agreement as well as any other damages that may be available to the City at law or equity. |
| D. Reed Dodenbier |
| Authorized Agent Signature (required) Print Name and Title |
| 0083107 A-12, A-15, A19A \$2,800,000.00 A+ |
| Nevada Contractor License No. / Classification Limit / Performance & Payment Bond Rating |
| Bidder acknowledges receipt of the following addendum(failure to acknowledge receipt of any addendum shall be cause for rejection of the Bid): |
| Addendum No. 1 Receipt Date March 7, 2022 |

BID SCHEDULE

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

NOTE TO BIDDERS: Any quantities or other information listed are merely estimates based on preliminary plans and specifications. Bidder shall review, inspect, and conduct Bidder's own due diligence related to the same and all other aspects of Bidder's Bid. By submitting a bid, Bidder hereby verifies all quantities and other specifics based on Bidder's own due diligence and investigation. If upon further inspection prior to bidding or beginning work, any quantity amounts specified below or on the plans for the Project are found to vary substantially from any estimated quantities, Bidder shall immediately notify the City of Mesquite in writing.

| notify the City of Mesquite in writing. | | Estim | | |
|---|--|-------------|-------------|--------------|
| Bid Ite | m Description | Quantity | Unit Price | Total Amount |
| 1 | Mobilization/Demobilization | Lump Sum | \$50,000.00 | \$50,000.00 |
| 2 | Excavation and Grading | Lump Sum | \$18,200.00 | \$18,200.00 |
| 3 | Subgrade Preparation | 33,400 s.f. | \$0.25 | \$8,350.00 |
| 4 | Furnish & Install 10-inch Type II Aggregate Base | 28,800 s.f | \$1.10 | \$31,680.00 |
| 5 | Furnish & Install 15-inch Type II Aggregate Base (shoulder) | 4,600 s.f | \$1.60 | \$7,360.00 |
| 6 | Furnish & Install 5-inch Bituminous Plantmix (PG 76-22) with Fog Seal | 28,800 s.f. | \$3.20 | \$92,160.00 |
| 7 | Furnish & Install 24-inch "L" Type Curb and Gutter With Aggregate Base | 370 l.f. | \$23.00 | \$8,510.00 |
| 8 | Furnish & Install Street Lights | 4 ea | \$8,500.00 | \$34,000.00 |
| 9 | Furnish & Install 8-inch Sanitary Sewer Main | 650 l.f | \$70.00 | \$45,500.00 |
| 10 | Furnish and Install 48-inch Sewer Manholes | 2 ea | \$5,000.00 | \$10,000.00 |
| 11 | Furnish and Install 6-inch Sewer Lateral | 4 ea | \$2,000.00 | \$8,000.00 |
| 12 | Furnish and Install 18-inch Diameter RCP Storm Drain Pipe | 50 l.f. | \$115.00 | \$5,750.00 |
| 13 | Furnish and Install 24-inch Diameter RCP Storm Drain Pipe | 695 l.f. | \$125.00 | \$86,875.00 |
| 14 | Furnish and Install Storm Drain Manholes | 2 ea | \$8,500.00 | \$17,000.00 |
| 15 | Furnish Traffic Control Signed and Barricades | Lump Sum | \$3,500.00 | \$3,500.00 |

| 16 | Furnish and install 4-inch Thick Concrete Flatwork for Sidewalk with Aggregate Base | 2,200 | s.f. | \$6.00 | \$13,200.00 |
|----|---|-------|------|------------|-------------|
| 17 | Furnish and Install 8-inch Water Main including valve Bends, temporary blow-offs and air vac | • | I,f. | \$151.00 | \$99,660.00 |
| 18 | Furnish and Install 2-inch Water Service Lateral | 3 | ea | \$6,600.00 | \$19,800.00 |
| 19 | Furnish and Install Fire Hydrant Assembly, valve and lateral | 2 | ea | \$6,000.00 | \$12,000.00 |
| 20 | Furnish and Install Pavement Markings & Signs | 1 | l.s. | \$4,500.00 | \$4,500.00 |
| 21 | Furnish and Install Beehive Drop Inlet | 2 | ea | \$9,500.00 | \$19,000.00 |

Total Bid Amount: \$_595,045.00

Bid Total Amount written in words __Five hundred ninety five thousand forty five dollars and no cents

CONTRACTOR WORK / SUBCONTRACTOR WORK DESCRIPTION

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

CONTRACTOR'S WORK

If the Contractor (Bidder) will perform any work which is more than 1 percent of the Contractor's total bid, the Contractor shall provide a description of the labor or portion of the work that the Contractor will provide; or a statement that the Contractor will perform all work other than the work being performed by the subcontractor(s) listed below (see NRS 338.141(3)).

Description of the labor or portion of the work the Contractor (Bidder) will provide or perform itself: Grading, paving, utilities, curb and gutter

Percentage of the work the Contractor (Bidder) will perform itself: 95%

SUBCONTRACTORS' WORK (5% or greater)

The Contractor (Bidder) shall provide the name of each subcontractor who will provide labor or a portion of the work for which the subcontractor will be paid an amount exceeding 5 percent of the Contractor's total bid (see NRS 338.141(1)(b)). The District also requests that the Contractor (Bidder) provide a description of the work each such subcontractor will perform.

| Description of the labor or portion of the work the subcontractor will provide: |
|---|
| Street lighting system |
| Percentage of the work the subcontractor will perform: 5% |
| Name of the subcontractor: |
| Description of the labor or portion of the work the subcontractor will provide: |
| Percentage of the work the subcontractor will perform: |
| Name of the subcontractor: |
| Description of the labor or portion of the work the subcontractor will provide: |
| Percentage of the work the subcontractor will perform: |
| |

Within 2 hours after opening the bids, the Contractors (Bidders) who submitted the three lowest bids must also provide the following information for each subcontractor who will be paid 1 percent of the Contractor's total bid or \$50,000, whichever is greater: 1) the name of the subcontractor, 2) the subcontractor's Nevada contractor's license number, and 3) a description of the labor or work to be provided by the subcontractor (see NRS 338.141(1)(b) and (2). This information may be provided with the Bid or it may be provided within 2 hours after opening the bids. Name of subcontractor: Teal Excavation, LLC. Subcontractor 1 Subcontractor's Nevada contractor's license number: NV - 0083107 Description of the labor or portion of the work the subcontractor will provide: Grading, paving, utilities, curb and gutter and all other work not listed below. Subcontractor 2 Name of subcontractor: Mesquite Electric, LLC. Subcontractor's Nevada contractor's license number: NV - 0057047 Description of the labor or portion of the work the subcontractor will provide: Street Lighting System Subcontractor 3 Name of subcontractor: Subcontractor's Nevada contractor's license number: Description of the labor or portion of the work the subcontractor will provide: Subcontractor 4 Name of subcontractor: Subcontractor's Nevada contractor's license number: Description of the labor or portion of the work the subcontractor will provide: Subcontractor 5 Name of subcontractor: Subcontractor's Nevada contractor's license number: Description of the labor or portion of the work the subcontractor will provide:

IMPORTANT NOTICE: Attach additional sheets as needed. If a Bidder fails to provide any of the required information within the required timeframe, the Bid shall be deemed not responsive (see NRS 338.141(4)).

BID BOND

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| Date: | March 3, 2022 | |
|-----------|-------------------------------------|---|
| Bidder/C | ontractor: Teal Excavation, LLC | n e e e e e e e e e e e e e e e e e e e |
| Surety Co | ompany: Old Republic Surety Company | |
| Penal Sui | m of Bond: 5% of the bid | |

KNOW ALL MEN BY THESE PRESENTS, that we, the above identified Bidder/Contractor, as Principal, and the above identified Surety Company, as Surety, are hereby held and firmly bound unto the City of Mesquite in the penal sum stated above, the payment of which we hereby jointly and severally bind ourselves, successors and assigns to make to the City of Mesquite upon any failure by Bidder/Contractor to perform Bidder/Contractor's obligations arising from Bidder/Contractor's submission of a Bid to the City of Mesquite to perform all Work associated with the above identified Project should the Bid be accepted. Bidder/Contractor has attached hereto a copy of the Bid and associated documents which are made a part hereof.

Surety's obligations under this Bid Bond shall be null and void under the following conditions:

- 1. If Bidder/Contractor's Bid is rejected, or
- 2. If Bidder/Contractor's Bid is accepted and Bidder/Contractor executes and delivers the Agreement in the form attached hereto, properly completed in accordance with Bidder/Contractor's Bid, and furnishes a Bond for Bidder/Contractor's faithful performance of the Agreement, for the timely payment of all persons, subcontractors, Suppliers, and others performing labor or furnishing materials in connection with the Project, and for otherwise performing the Agreement which shall be created by the City of Mesquite's acceptance of the Bid.

The liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as stated above. The Surety, for value received, also hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way be impaired or affected by any extension of the time within which the City may accept Bidder/Contractor's Bid; and said Surety does hereby waive all notice of any such extension. Surety understands that surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located; Surety hereby represents and warrants that Surety is in compliance with the foregoing.

BIDDER/CONTRACTOR

Bidder/Contractor's Authorized Signature

D Reed Dodenbier, Managing Member

Print Name and Title

SURETY COMPANY

)

's Authorized Signature

Jennifer Glammeyer, Attorney-in-Fact

Print Name and Title



POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That OLD REPUBLIC SURETY COMPANY, a Wisconsin stock insurance corporation, does make, constitute and appoint:

JARON L. HUNT, DANA KAYE BENSON, CARLEY BENSON, KAREN HAWKS, REX C. DAY, RUSSELL FITZWATER, ADAM CHRISTENSEN, SHAUNA JOHNSON, J. MICHAEL BRINGHURST, MITCHELL LANE BRINGHURST, JENNIFER M. GLAMMEYER, DUSTIN WITTWER, OF CEDAR CITY, UT

its true and lawful Attorney(s)-in-Fact, with full power and authority, not exceeding \$50,000,000, for and on behalf of the company as surety, to execute and deliver and affix the seal of the company thereto (if a seal is required), bonds, undertakings, recognizances or other written obligations in the nature thereof, (other than bail bonds, bank depository bonds, mortgage deficiency bonds, mortgage guaranty bonds, guarantees of installment paper and note guaranty bonds, self-insurance workers compensation bonds guaranteeing payment of benefits, asbestos abatement contract bonds, waste management bonds, hazardous waste remediation bonds or black lung bonds), as follows:

> ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED THREE MILLION DOLLARS(\$3,000,000)-----FOR ANY SINGLE OBLIGATION.

and to bind OLD REPUBLIC SURETY COMPANY thereby, and all of the acts of said Attorneys-in-Fact, pursuant to these presents, are ratified and confirmed. This document is not valid unless printed on colored background and is multi-colored. This appointment is made under and by authority of the board of directors at a special meeting held on February 18, 1982. This Power of Attorney is signed and sealed by facsimile under and by the authority of the following resolutions adopted by the board of directors of the OLD REPUBLIC SURETY COMPANY on February 18, 1982.

RESOLVED that, the president, any vice-president, or assistant vice president, in conjunction with the secretary or any assistant secretary, may appoint attorneys-in-fact or agents with authority as defined or limited in the instrument evidencing the appointment in each case, for and on behalf of the company to execute and deliver and affix the seal of the company to bonds, undertakings, recognizances, and suretyship obligations of all kinds; and said officers may remove any such attorney-in-fact or agent and revoke any Power of Attorney previously granted to such person.

RESOLVED FURTHER, that any bond, undertaking, recognizance, or suretyship obligation shall be valid and binding upon the Company

- (i) when signed by the president, any vice president or assistant vice president, and attested and sealed (if a seal be required) by any secretary or assistant secretary; or
- (ii) when signed by the president, any vice president or assistant vice president, secretary or assistant secretary, and countersigned and sealed (if a seal be required) by a duly authorized attorney-in-fact or agent; or
- (iii) when duly executed and sealed (if a seal be required) by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority evidenced by the Power of Attorney issued by the company to such person or persons.

RESOLVED FURTHER, that the signature of any authorized officer and the seal of the company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the company; and such signature and seal when so used shall have the same force and effect as though manually affixed.

| IN WITNES | SS WHEREOF, OLD | REPUBLIC SURETY COMP | ANY has caused these presents to b | e signed by its proper officer, and | its corporate seal to be |
|-----------------|-----------------------|--|--|--|---|
| affixed this | 6TH day | of <u>MARCH, 2018.</u> | O SURE | OLD REPUBLIC SU | URETY COMPANY |
| | Assisiani Secr | Kerney Con | SEAL SEAL | Un later | W(O) |
| STATE OF W | ISCONSIN, COU | NTY OF WAUKESHA-SS | A State of the Sta | President | |
| On this | 6TH d | ay of MARCH, 2018 | , personally came before me, | Alan Pavlic | and |
| instrument, and | oresaid, and that the | edged the execution of the sam seal affixed to the above instru | the individuals and officers of the Ce, and being by me duly sworn, did sment is the seal of the corporation, a hority of the board of directors of sa | severally depose and say; that the nd that said corporate seal and the | y are the said officers of the ir signatures as such officers |
| | | | | | 4 : |

(Expiration of notary commission does not invalidate this instrument)

I, the undersigned, assistant secretary of the OLD REPUBLIC SURETY COMPANY, a Wisconsin corporation, CERTIFY that the foregoing and attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolutions of the board of directors set forth in the Power of Attorney, are now in force.

48-6005

Signed and sealed at the City of Brookfield, WI this 3rd day of WWW

DIXIE LEAVITT AGENCY

NON-COLLUSIVE AFFIDAVIT OF BIDDER

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| STATE OF NEVADA |) | |
|-----------------|-----|--|
| | SS, | |
| COUNTY OF CLARK |) | |

The undersigned, being first duly sworn, deposes and says that:

- (1) The undersigned is an authorized representative of the Bidder identified below, holding the title within also stated below.
- (2) The undersigned has submitted the attached Bid on behalf of and with authority of the Bidder,
- (3) The undersigned is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances and information respecting such Bid;
- (4) Such Bid is genuine and is not a collusive or sham Bid;
- (5) Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the above identified Project for which the attached Bid has been submitted or to refrain from bidding in connection with such Project, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm, or person to fix the price or prices in the attached Bid or of any other bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Mesquite or any person interested in the proposed Project; and
- (6) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in any interest, including this affiant.

D. Reed Dodenbier - Owner

Print Name and Title

Teal Excavation, LLC.

P.O. Box 7151

Bunkerville, NV 89007

Bidder's Address

(702) 280-7428

Bidder's Telephone

Subscribed and sworn to before me this 8 day of March

Notary

MICHELLE WOODS

Notary Public-State of Nevada

APPT. NO. 11-4688-1

My Appt: Expires 04-29-2023

DECLARATION OF COMPLIANCE WITHAMERICANS WITH DISABILITIES ACT

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

The Americans with Disabilities Act (ADA) was enacted on July 26, 1990 by the United States Congress to protect the disabled from discrimination in employment, public accommodations, transportation and telecommunications.

The City of Mesquite requires that all of its contractors having fifteen (15) or more employees satisfy their nondiscrimination obligations under the ADA. As such, the undersigned Bidder certifies that it will comply with the nondiscrimination provisions of the ADA.

In addition, the undersigned acknowledges that the following signed statement is required on all contracts and addenda to all contracts now in effect with the City of Mesquite, the undersigned represents and warrants that the statement is true, and agrees that such statement is hereby incorporated into all contracts and addenda between the City of Mesquite and the Bidder:

"I, the undersigned on behalf of the identified contractor hereby certify that the below referenced company is in compliance with the nondiscrimination provisions of the Americans with Disabilities Act."

03/08/22

D. Reed Dodenbier - Owner

Bidder's Authorized Signature

Date

Print Name and Title

BID PROPOSAL

| CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237 |
|---|
| DATE: March 8, 2022 |
| TO: CITY OF MESQUITE, 10 E. MESQUITE BLVD., MESQUITE, NEVADA 89027 |
| FROM (Name of Bidder): Trade West Construction, Inc. |
| Bidder Address: 300 W Hafen Cn, Mesquite, NV. 89027 |
| Bidder Phone / Fax / Email: (702) 3462757/(702) 3462775/tradewestnesg |
| Having fully and carefully examined the plans and specifications associated with Thomas Edison Court Roadway and Storm Drain Improvement Project (the "Project"), which is dated February, 2022 respectively, and were prepared by Bulloch Brothers Engineering, Inc. and having visited the site to become familiar with all conditions affecting the cost of the work, and having performed all other due diligence and other investigation associated with the work, the undersigned Bidder hereby proposes to furnish all fees, labor, materials, equipment, and incidentals and to perform all work to complete the Projects in the manner called for in said documents for the total sum listed below and as shown on the bid Schedule: |
| Base Bid Amount: \$ 5001,960 |
| If awarded the Contract, the undersigned Bidder further agrees to execute the attached Agreement within 10 days after receiving a written notice of award and agrees to furnish within the 10 day period, all bonds and insurance information required, as well as all other required information and documents. |
| If awarded the Contract, the undersigned Bidder further agrees to commence actual physical work as indicated on the "Notice to Proceed" and agrees that all work will be completed within 45 calendar days of the date of the Notice to Proceed (or as set forth in the Notice to Proceed) unless the time for completion is subsequently extended in an addendum signed by the City and the undersigned Bidder. |
| In case of any failure on the part of the Bidder to complete the work within the time fixed in the Contract, the Bidder shall pay the City as fixed and liquidated damages the amount specified in the Agreement as well as any other damages that may be available to the City at law or equity. |
| Authorized Agent Signature (required) C. Todd Leavitt, Secretary. Print Name and Title |
| Weyada Contractor License No. / Classification |
| Bidder acknowledges receipt of the following addendum(failure to acknowledge receipt of any addendum shall be cause for rejection of the Bid): |
| Addendum No. Receipt Date 3/5/2022 |
| |

BID SCHEDULE

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

NOTE TO BIDDERS: Any quantities or other information listed are merely estimates based on preliminary plans and specifications. Bidder shall review, inspect, and conduct Bidder's own due diligence related to the same and all other aspects of Bidder's Bid. By submitting a bid, Bidder hereby verifies all quantities and other specifics based on Bidder's own due diligence and investigation. If upon further inspection prior to bidding or beginning work, any quantity amounts specified below or on the plans for the Project are found to vary substantially from any estimated quantities, Bidder shall immediately notify the City of Mesquite in writing.

| mounty. | and only or mosquite in tritaing, | Estim | nated | |
|---------|--|-------------|------------|--------------|
| Bid Ite | m Description | Quantity | Unit Price | Total Amount |
| 1 | Mobilization/Demobilization | Lump Sum | 34,500- | 34500 |
| 2 | Excavation and Grading | Lump Sum | 46,000 | 46,000- |
| 3 | Subgrade Preparation | 33,400 s.f. | 035 | 11,690- |
| 4 | Furnish & Install 10-inch Type II Aggregate Base | 28,800 s.f | 161 | 46,368- |
| 5 | Furnish & Install 15-inch Type II Aggregate Base (shoulder) | 4,600 s.f | 184 | 8,464 |
| 6 | Furnish & Install 5-inch Bituminous Plantmix (PG 76-22) with Fog Seal | 28,800 s.f. | 44 | 119,232 |
| 7 | Furnish & Install 24-inch "L" Type Curb and Gutter With Aggregate Base | 370 l.f. | 3450 | 12,765 |
| 8 | Furnish & Install Street Lights | 4 ea | 7,038 | 28,152 |
| 9 | Furnish & Install 8-inch Sanitary Sewer Main | 650 l.f | 46 | 29,900 |
| 10 | Furnish and Install 48-inch Sewer Manholes | 2 ea | 8,625 | 17,250 |
| 11 | Furnish and Install 6-inch Sewer Lateral | 4 ea | 1,725 | 4900 |
| 12 | Furnish and Install 18-inch Diameter RCP Storm Drain Pipe | 50 l.f. | 85- | 4,250 |
| 13 | Furnish and Install 24-inch Diameter RCP Storm Drain Pipe | 695 l.f. | 85- | 59,075 |
| 14 | Furnish and Install Storm Drain Manholes | 2 ea | 8,625 | 17,250 |
| 15 | Furnish Traffic Control Signed and Barricades | Lump Sum | 1,725 | 1,725 |

| 16 | Furnish and install 4-inch Thick Concrete Flatwork for Sidewalk with Aggregate Base | 2,200 | s.f, | 805 | 17,710 |
|----|--|-----------|--------------------|-------|---------|
| 17 | Furnish and Install 8-inch Water Main including valves Bends, temporary blow-offs and air vac | s, 660 | l.f _e : | 8740 | 57,684- |
| 18 | Furnish and Install 2-inch Water Service Lateral | 3 | ea | 5175 | 15,525 |
| 19 | Furnish and Install Fire Hydrant Assembly, valve and lateral | 2 | ea | 8,625 | 17,250 |
| 20 | Furnish and Install Pavement Markings & Signs | 1 | l.s. | 4,520 | 4,520 |
| 21 | Furnish and Install Beehive Drop Inlet | 2 | ea | 2,875 | 5,750 |

Total Bid Amount: \$ 561960

nine hundred sixty dollars ? Too

CONTRACTOR WORK / SUBCONTRACTOR WORK DESCRIPTION

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

CONTRACTOR'S WORK

If the Contractor (Bidder) will perform any work which is more than 1 percent of the Contractor's total bid, the Contractor shall provide a description of the labor or portion of the work that the Contractor will provide; or a statement that the Contractor will perform all work other than the work being performed by the subcontractor(s) listed below (see NRS 338.141(3)).

Description of the labor or portion of the work the Contractor (Bidder) will provide or perform itself:

Trade West Construction, Inc. will
perform all work not listed
below.

Percentage of the work the Contractor (Bidder) will perform itself:

SUBCONTRACTORS' WORK (5% or greater)

The Contractor (Bidder) shall provide the name of each subcontractor who will provide labor or a portion of the work for which the subcontractor will be paid an amount exceeding 5 percent of the Contractor's total bid (see NRS 338.141(1)(b)). The District also requests that the Contractor (Bidder) provide a description of the work each such subcontractor will perform.

| provide and the percentage of the total work each such subcontractor will perform. | | |
|--|---|--|
| Subcontractor 1 | Name of the subcontractor: Heritage Electnic Inc. Description of the labor or portion of the work the subcontractor will provide: Electnic / Lights. Percentage of the work the subcontractor will perform: | |
| Subcontractor 2 | Name of the subcontractor: Western Rock Description of the labor or portion of the work the subcontractor will provide: Panng. Percentage of the work the subcontractor will perform: | |
| Subcontractor 3 | Name of the subcontractor: Description of the labor or portion of the work the subcontractor will provide: Percentage of the work the subcontractor will perform: | |
| | SUBCONTRACTORS (1% or \$50,000) | |

whichever is greater: 1) the name of the subcontractor, 2) the subcontractor's Nevada contractor's license number, and 3) a description of the labor or work to be provided by the subcontractor (see NRS 338.141(1)(b) and (2). This information may be provided with the Bid or it may be provided within 2 hours after opening the bids Subcontractor 1 Name of subcontractor: TradeWest Construction, Inc. Subcontractor's Nevada contractor's license number: 69624 Description of the labor or portion of the work the subcontractor will provide: All work not listed below. Name of subcontractor: Hentage Electric
Subcontractor's Nevada contractor's license number:
291664

Description of the labor or portion of the work the subcontractor will provide: Subcontractor 2 Lights. Name of subcontractor: Subcontractor 3 Subcontractor's Nevada contractor's license number:

54-32-9

Description of the labor or portion of the work the subcontractor will provide: Subcontractor 4 Name of subcontractor: Subcontractor's Nevada contractor's license number: Description of the labor or portion of the work the subcontractor will provide: Subcontractor 5 Name of subcontractor: Subcontractor's Nevada contractor's license number: Description of the labor or portion of the work the subcontractor will provide:

Within 2 hours after opening the bids, the Contractors (Bidders) who submitted the three lowest bids must also provide the following information for each subcontractor who will be paid 1 percent of the Contractor's total bid or \$50,000,

IMPORTANT NOTICE: Attach additional sheets as needed. If a Bidder fails to provide any of the required information within the required timeframe, the Bid shall be deemed not responsive (see NRS 338.141(4)).

BID BOND

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| Date: | March 2, 2022 | |
|------------|--|--|
| Bidder/Cor | ontractor: Trade West Construction, Inc. | |
| Surety Con | ompany: Endurance Assurance Corporation | |
| Penal Sum | m of Bond: Five Percent of the Total Bid Amount (5% of Total Bid Amount) | |

KNOW ALL MEN BY THESE PRESENTS, that we, the above identified Bidder/Contractor, as Principal, and the above identified Surety Company, as Surety, are hereby held and firmly bound unto the City of Mesquite in the penal sum stated above, the payment of which we hereby jointly and severally bind ourselves, successors and assigns to make to the City of Mesquite upon any failure by Bidder/Contractor to perform Bidder/Contractor's obligations arising from Bidder/Contractor's submission of a Bid to the City of Mesquite to perform all Work associated with the above identified Project should the Bid be accepted. Bidder/Contractor has attached hereto a copy of the Bid and associated documents which are made a part hereof.

Surety's obligations under this Bid Bond shall be null and void under the following conditions:

- 1. If Bidder/Contractor's Bid is rejected, or
- 2. If Bidder/Contractor's Bid is accepted and Bidder/Contractor executes and delivers the Agreement in the form attached hereto, properly completed in accordance with Bidder/Contractor's Bid, and furnishes a Bond for Bidder/Contractor's faithful performance of the Agreement, for the timely payment of all persons, subcontractors, Suppliers, and others performing labor or furnishing materials in connection with the Project, and for otherwise performing the Agreement which shall be created by the City of Mesquite's acceptance of the Bid.

The liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as stated above. The Surety, for value received, also hereby stipulates and agrees that the obligations of said Surety and its Bond shall be in no way be impaired or affected by any extension of the time within which the City may accept Bidder/Contractor's Bid; and said Surety does hereby waive all notice of any such extension. Surety understands that surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located; Surety hereby represents and warrants that Surety is in compliance with the foregoing.

BIDDER/CONTRACTOR Trace West Construction, Inc.

Bidder/Contractor's Authorized Signature

CTOdd Leavity Secretary

Print Name and Title

SURETY COMPANY Endurance Assurance Corporation

Surety's Authorized Signature

Lisa Stevens, Attorney-in-Fact

Print Name and Title



POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS, that Endurance Assurance Corporation, a Delaware corporation, Endurance American Insurance Company, a Delaware corporation, Lexon Insurance Company, a Texas corporation, and/or Bond Safeguard Insurance Company, a South Dakota corporation, each, a "Company" and collectively, "Sompo International," do hereby constitute and appoint: Dixon Leavitt, Jeric Leavitt, Lisa Stevens, CeCile Webb, Angelina Jensen as true and lawful Attorney(s)-In-Fact to make, execute, seal, and deliver for, and on its behalf as surety or co-surety; bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking so made, executed and delivered shall obligate the Company for any portion of the penal sum thereof in excess of the sum of ONE HUNDRED MILLION Dollars (\$100,000,000.00).

Such bonds and undertakings for said purposes, when duly executed by said attorney(s)-in-fact, shall be binding upon the Company as fully and to the same extent as if signed by the President of the Company under its corporate seal attested by its Corporate Secretary.

This appointment is made under and by authority of certain resolutions adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019, a copy of which appears below under the heading entitled "Certificate".

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the sole shareholder of each Company by unanimous written consent effective the 15th day of June, 2019 and said resolution has not since been revoked, amended or repealed:

RESOLVED, that the signature of an individual named above and the seal of the Company may be affixed to any such power of attorney or any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signature or seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, each Company has caused this instrument to be signed by the following officers, and its corporate seal to be affixed this 15th day of June, 2019.

Endurance Assurance Corporation

SVA& Senior Counsel Richard Appel:

Senior Counsel Richard Appel; SVP-& ncan Insu

Endurance American

Insurance Company

Lexon Insurance Company

Senior Counsel Richard Appel;

My Commission

Richard Appel; SVP Counse

Bond Safeguard

SOUTH DAKOTA INSURANCE

Expires 5

surance 2002 DELAWARE

1996

ACKNOWLEDGEMENT

On this 15th day of June, 2019, before me, personally came the above signatories known to me, who being duly sworn, did depose and say that he/they is all officer of each

Amy Taylor, Notary Public

of the Companies; and that he executed said instrument on behalf of each Company by authority of his office under the by ways of each Company.

CERTIFICATE

I, the undersigned Officer of each Company, DO HEREBY CERTIFY that:

1. That the original power of attorney of which the foregoing is a copy was duly executed on behalf of each Company and has not since been revoked, amended or modified; that the undersigned has compared the foregoing copy thereof with the original power of attorney, and that the same is a true and correct copy of the original power of attorney and of the whole thereof:

2. The following are resolutions which were adopted by the sole shareholder of each Company by unanimous written consent effective June 15, 2019 and said resolutions have not since been revoked, amended or modified:

"RESOLVED, that each of the individuals named below is authorized to make, execute, seal and deliver for and on behalf of the Company any and all bonds, undertakings or obligations in surety or co-surety with others: RICHARD M. APPEL, BRIAN J. BEGGS, CHRISTOPHER DONELAN, SHARON L. SIMS, CHRISTOPHER L. SPARRO, MARIANNE L. WILBERT

RESOLVED, that each of the individuals named above is authorized to appoint attorneys-in-fact for the purpose of making, executing, sealing and delivering bonds, undertakings or obligations in surety or co-surety for and on behalf of the Company."

3. The undersigned further certifies that the above resolutions are true and correct copies of the resolutions as so recorded and of the whole thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal this 2nd

20 22

NOTICE: U. S. TREASURY DEPARTMENT'S OFFICE OF FOREIGN ASSETS CONTROL (OFAC)

No coverage is provided by this Notice nor can it be construed to replace any provisions of any surety bond or other surety coverage provided. This Notice provides information concerning possible impact on your surety coverage due to directives issued by OFAC. Please read this Notice carefully.

The Office of Foreign Assets Control (OFAC) administers and enforces sanctions policy, based on Presidential declarations of "national emergency". OFAC has identified and listed numerous foreign agents, front organizations, terrorists, terrorist organizations, and narcotics traffickers as "Specially Designated Nationals and Blocked Persons". This list can be located on the United States Treasury's website - https://www.treasury.gov/resource-center/sanctions/SDN-List.

In accordance with OFAC regulations, if it is determined that you or any other person or entity claiming the benefits of any coverage has violated U.S. sanctions law or is a Specially Designated National and Blocked Person, as identified by OFAC, any coverage will be considered a blocked or frozen contract and all provisions of any coverage provided are immediately subject to OFAC. When a surety bond or other form of surety coverage is considered to be such a blocked or frozen contract, no payments nor premium refunds may be made without authorization from OFAC. Other limitations on the premiums and payments may also apply.

Any reproductions are void.

NON-COLLUSIVE AFFIDAVIT OF BIDDER

CITY OF MESQUITE - Thomas Edison Court Roadway and Storm Drain Improvement Project PWP#CL 2022-237 **Labor Commission Project Identifying Number:**

| STATE OF NEVADA |) |
|-----------------|----|
| | SS |
| COUNTY OF CLARK |) |

The undersigned, being first duly sworn, deposes and says that:

- (1) The undersigned is an authorized representative of the Bidder identified below, holding the title within also stated below.
- (2) The undersigned has submitted the attached Bid on behalf of and with authority of the Bidder,
- (3) The undersigned is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances and information respecting such Bid;
- (4) Such Bid is genuine and is not a collusive or sham Bid;
- (5) Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the above identified Project for which the attached Bid has been submitted or to refrain from bidding in connection with such Project, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm, or person to fix the price or prices in the attached Bid or of any other bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Mesquite or any person interested in the proposed Project; and
- (6) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in any interest, including this affiant.

Bidder's Authorized Signature

C. Todd Leavitt, Secretary.

Print Name and Title

Trade West Construction, Inc.

Bidder's Telephone

Subscribed and sworn to before me this 8 day of March

My commission expires

TRACY BECK Notary Public, State of Nevada Appointment No. 07-5249-1 My Appt. Expires Sep 18, 2023

DECLARATION OF COMPLIANCE WITHAMERICANS WITH DISABILITIES ACT

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

The Americans with Disabilities Act (ADA) was enacted on July 26, 1990 by the United States Congress to protect the disabled from discrimination in employment, public accommodations, transportation and telecommunications.

The City of Mesquite requires that all of its contractors having fifteen (15) or more employees satisfy their nondiscrimination obligations under the ADA. As such, the undersigned Bidder certifies that it will comply with the nondiscrimination provisions of the ADA.

In addition, the undersigned acknowledges that the following signed statement is required on all contracts and addenda to all contracts now in effect with the City of Mesquite, the undersigned represents and warrants that the statement is true, and agrees that such statement is hereby incorporated into all contracts and addenda between the City of Mesquite and the Bidder:

"I, the undersigned on behalf of the identified contractor hereby certify that the below referenced company is in compliance with the nondiscrimination provisions of the Americans with Disabilities Act."

Bidder's Authorized Signature

Date

CTOOL Leavity, Secretary

CITY OF MESQUITE

AFFIDAVIT OF COMPLIANCE WITH ASSEMBLY BILL 144

(Contractor submitting for Preferential Bidder Status shall include this Affidavit)

Bidder shall review enacted Bill 144 and NRS Chapter, 338.



Secretary.

Trade West Construction, Inc. 300 W Hafen Ln. Mesquite, NV. 89027

Subscribed and sworn to before me this

8 Day of March, 2022

Notary

My commission expires 9/18/2023

(702) 34627557.

Telephone



NEVADA STATE CONTRACTORS BOARD

5390 KIETZKE LANE, SUITE 102, RENO, NEVADA, 89511 (775) 688-1141 FAX (775) 688-1271, INVESTIGATIONS (775) 688-1150 2310 CORPORATE CIRCLE, SUITE 200, HENDERSON, NEVADA, 89074, (702) 486-1100 FAX (702) 486-1190, INVESTIGATIONS (702) 486-1110

CERTIFICATE OF ELIGIBILITY PER NRS 338.147 and NRS 338.1389

CERTIFICATE NUMBER: *BPC-07-11-14-0332*

TRADE WEST CONSTRUCTION INC (HEREIN THE "GENERAL CONTRACTOR") NEVADA STATE CONTRACTORS' LICENSE NUMBER: 0069624 ORIGINAL ISSUE DATE: 10/16/2007 BUSINESS TYPE: CORPORATION CLASSIFICATION: AB-GENERAL ENGINEERING & GENERAL BUILDING MONETARY LICENSE LIMIT: UNLIMITED STATUS: ACTIVE, IS HEREBY ISSUED THIS CERTIFICATE BY THE NEVADA STATE CONTRACTORS' BOARD, BASED UPON THE INFORMATION CONTAINED IN THE STATEMENT OF COMPLIANCE WITH NEVADA REVISED STATUTES (NRS) 338.147 AND NRS 338.1389 AND THE AFFIDAVIT OF CERTIFIED PUBLIC ACCOUNTANT SUBMITTED TO THE NEVADA STATE CONTRACTORS BOARD AS PROOF OF CONTRACTOR'S COMPLIANCE WITH THE PROVISIONS OF NRS 338.147 AND NRS 338.1389. IN ACCORDANCE WITH THE PROVISIONS OF NRS 338.147(3), THE ABOVE-NAMED GENERAL CONTRACTOR AND A CERTIFIED PUBLIC ACCOUNTANT HAVE SUBMITTED FULLY EXECUTED AND NOTARIZED SWORN AFFIDAVITS AS PROOF OF PREFERENTIAL BIDDER STATUS, UNDER PENALTY OF PERJURY, CERTIFYING THAT THE GENERAL CONTRACTOR IS QUALIFIED TO RECEIVE A PREFERENCE IN BIDDING AS SET FORTH IN NRS 338.147 AND NRS 338.1389 AND OTHER MATTERS RELATING THERETO.

THIS CERTIFICATE OF ELIGIBILITY IS ISSUED ON **NOVEMBER 1, 2021** AND EXPIRES ON **OCTOBER 31, 2022**, UNLESS SOONER REVOKED OR SUSPENDED BY THE NEVADA STATE CONTRACTORS BOARD.



NANCY MATHIAS, LICENSING ADMINISTRATOR FOR MARGI A. GREIN, EXECUTIVE OFFICER 10 20 202 DATE

The Nevada State Contractors Board assumes no liability or responsibility for the accuracy or validity of the information contained in the Contractors Statement of Compliance or the Affidavit of Certified Public Accountant as Proof of Contractors Compliance with the Provisions of NRS 338.147 and NRS 338.1389. The above-named General Contractor shall bear the responsibility to ascertain the accuracy and validity of the affidavits provided to support the issuance of this certificate.



City of Mesquite

Contract Documents & Specifications For the Construction of: Thomas Edison Court Roadway and Storm Drain Improvement Project

Date: February, 2022

Labor Commission Project Identifying Number: PWP#CL 2022-237

Prepared for:

City of Mesquite

10 E Mesquite Blvd / Mesquite, NV 89027 / Telephone:(702) 346-5295

Prepared by: Bulloch Brothers Engineering, Inc.

750 West Pioneer Boulevard

Mesquite, NV89027 (702) 346-5100

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ADVERTISEMENT FOR BIDS

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

Notice is hereby given that the City of Mesquite, Nevada (the "City"), is seeking sealed bids for certain construction or work to be performed referred to as: Thomas Edison Court Roadway and Storm Drain Improvement Project (the "Project"). The Project is to be performed within Mesquite City, Clark County, Nevada. The following is a summary description of the Projects:

The project consists of roadway and drainage system improvements within the right of way of Thomas Edison Court in the City of Mesquite Nevada. The project includes, but is not limited to, <u>Furnishing and Installing Electrical Conduit, Subgrade Preparation, Curb and Gutter, Plantmix Bituminous Pavement.</u>

The Project is more fully described in the plans, drawings, specifications, and other Project documents available from the City of Mesquite. Such documents will come available on <u>February 18, 2022</u> at the Mesquite City offices located at 10 E Mesquite Blvd. in Mesquite, Nevada. These documents may be purchased for \$50.00 per set of hard copies or \$20.00 per set of electronic copies. Payments for these documents are non-refundable.

Bids must be submitted no later than 10:00 AM (PST) on March 8, 2022 to the City of Mesquite Public Works Department, located at 10 E Mesquite Blvd., Mesquite, Nevada 89027 and the Bids received will be publicly opened and read aloud at that time at the City offices. Any Bid received after the time and date specified shall not be considered. Bids must be submitted on the documents provided and must be accompanied by a bid security in the amount of five percent of the Bid. Bids must be submitted in a sealed envelope plainly marked on the outside of the envelope with the name of the Project, Attn: Public Works Department, name of Bidder, Bidder's address. If the Bid is sent to the City by mail, the sealed envelope containing the Bid must be enclosed in an outer mailing envelope addressed to the City of Mesquite at10 E Mesquite Blvd., Mesquite, Nevada 89027.

Pursuant NRS 338.147, NRS 338.1389, and other pertinent provisions of Nevada law, any Bidder seeking to qualify to receive a "preference in bidding" must submit a Nevada State Contractor's Board Certificate of Eligibility evidencing the preferential status. Said certificate must be attached to and submitted with the Bid.

The City reserves the right to reject any and all Bids or to waive any informalities or minor defects in a Bid in the City's sole discretion, to the extent allowed by law. Any award will be on the basis of the lowest responsible Bidder, unit price, conformance to plans and specifications, Bidder's qualifications, full and accurate completion of the Bid documents, the extent to which the City judges the Bid to be in the best interests of the City, and other appropriate factors as may be permitted by Nevada law. If the estimated cost of project exceeds \$250,000, then the award will be to the Bidder who submits the "best bid" (see NRS 338.147).

INFORMATION FOR BIDDERS

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

The above identified Project is to be performed within the City of Mesquite, Clark County, Nevada. The following is a summary description of the Projects:

The project consists of roadway and drainage system improvements within the right of way of Thomas Edison Court in the City of Mesquite Nevada. The project includes, but is not limited to, Furnishing and Installing Electrical Conduit, , Subgrade Preparation, Curb and Gutter, Plantmix Bituminous Pavement.

The project is located on Thomas Edison Court in Mesquite, Nevada.

The Project is more fully described in the plans, drawings, specifications, and other Project documents available from the City of Mesquite. Such documents will come available on <u>February 18, 2022</u> at the Mesquite City offices located at 10 E Mesquite Blvd., in Mesquite, Nevada. These documents may be purchased for \$50.00 per set of hard copies or \$20.00 per set of electronic copies. Payments for these documents are non-refundable.

Bids must be submitted no later than 10:00 AM. (PST) on March 8, 2022 to the Mesquite City offices located at 10 E. Mesquite Blvd., Mesquite, Nevada 89027 and the Bids received will be publicly opened and read aloud at that time at the City offices. Bids must be submitted on the documents provided and must be accompanied by a bid security (Bid Bond) in the amount of five percent of the Bid. Bids must be submitted in a sealed envelope plainly marked on the outside of the envelope with the following:

- Name of the Project
- Attn: Public Works Department
- Name of Bidder
- Bidder's Address

If the Bid is sent to the City by mail, the sealed envelope containing the Bid must be enclosed in an outer mailing envelope addressed to the City of Mesquite at 10 E. Mesquite Blvd., Mesquite, Nevada 89027.

Pursuant NRS 338.147, NRS 338.1389, and other pertinent provisions of Nevada law, any Bidder seeking to qualify to receive a "preference in bidding" must submit a Nevada State Contractor's Board Certificate of Eligibility evidencing the preferential status. Said certificate must be attached to and submitted with the Bid.

The City reserves the right to reject any and all Bids or to waive any informalities or minor defects in a Bid in the City's sole discretion, to the extent allowed by law. Any award will be on the basis of the lowest responsible Bidder, unit price, conformance to plans and specifications, Bidder's qualifications, full and accurate completion of the Bid documents, the extent to which the City judges the Bid to be in the best interests of the City, and other appropriate factors as may be permitted by Nevada law. If the estimated cost of project exceeds \$250,000, then the award will be to the Bidder who submits the "best bid" (see NRS 338.147).

A Bid may be withdrawn prior to the opening of the Bids or any authorized postponement thereof. Any Bid received after the time and date specified shall not be considered. No Bidder may withdraw a Bid within 60 days after the actual date of the opening thereof. Should there be reasons why the Contract cannot be awarded within the specified period; the time may be extended by mutual agreement of the City and the Bidder.

Bidders must satisfy themselves of the accuracy of the estimated quantities and all other details stated in the Project documents by an examination of the site and a review of the plans, drawings, and specifications, and any Addenda, as applicable. After Bids have been submitted, the Bidder shall not seek to excuse performance on the basis that there was a misunderstanding concerning the Project or the quantity or nature of the work to be performed.

The City reserves the right to increase or decrease or to entirely eliminate any or all items from the Bid schedule, plans, drawings, and specifications and the Bidder is cautioned against unbalancing his Bid.

The City reserves the right to award any separate Bid schedule or portion or any combination of Bid schedules or portions that are submitted in the Bid. However, the City will not divide the Project in order to avoid bidding requirements required by Nevada law. The Bid Bond, Performance Bond, Labor and Material Payment Bond, and any other bond required shall meet or exceed the standards specified, or if not specified, the industry standard for a similar project. The Bid Bond must be submitted with the Bid. Proof of all other bonds must be submitted to the City within two hours of the Bid opening.

The Contract Documents contain the provisions required for the construction of the Project. Information obtained from any officer, agent or employee of the City or any other person shall not affect the risks or obligations assumed by the Bidder or relieve the Bidder from fulfilling any of the conditions of the Contract Documents.

Questions regarding plans, Project documents, or Bids must be submitted to the City of Mesquite in writing; e-mail is acceptable. Questions shall be directed to:

Public Works Department
City of Mesquite
10 E. Mesquite Blvd.
Mesquite, Nevada 89027
tanderson@mesquitenv.gov

The City may amend or modify the Bid related documents, plans, specifications, and all other information associated with the Project by Addendum, with copies to be mailed or delivered by facsimile or e-mail to all who are known to have received a complete set of Bid related documents.

Prior to submission of the Bid, each Bidder shall ascertain and verify that the Bidder has received any and all Addenda that may have been issued. The Bidder shall acknowledge receipt of any Addenda by completing the acknowledgment space provided on the Bid Proposal form submitted to the District.

Each Bid shall be accompanied by a bid security in the form of, at Bidder's option, a Cashier's Check, Certified Check, Money Order, or Bid Bond in favor of the City in the amount of five percent (5%) of the Bid amount, pledging that the Bidder will within 10 days after any Notice of Award enter into the Agreement with the City on the terms stated in the Bid, Bid Documents, and Agreement and will furnish the required Performance Bond, Labor and Material Payment Bond, and any other required bonds, guaranteeing the Contractor's faithful performance of the work associated with the Project and the Contractor's payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Agreement or fail to furnish the required bonds, the amount of the bid security shall be forfeited to the City as liquidated damages, not as a penalty. All checks and money orders must indicate the payee as the City of Mesquite and must reflect the Project and complete Bid number. The Bid Bond shall be written on either a standard bid bond form or on the enclosed Bid Bond form.

The City shall have the right to retain the Bid security provided by Bidders to whom an award is being considered until (a) the Contract has been executed and all required bonds have been furnished, or (b) the specified time has elapsed so that Bids may be properly withdrawn according to the terms stated above, or (c) all Bids have been rejected.

The Bid, the Bid security, and all other required documents shall be included in the envelope containing the Bid. Omission of or failure to complete any portion of the required documents at the time of Bid Opening may be cause to reject the entire Bid. Submitted Bids shall contain the following documents:

- 1. Bid Proposal
- 2. Bid Schedule (Including Additive Options if Provided)
- 3. Contractor Work / Subcontractor Work Description
- 4. Bid Bond of five percent of contract amount (5%)
- 5. Non-Collusive Affidavit of Bidder
- 6. Declaration of Compliance with Americans with Disabilities Act
- 7. Nevada State Contractor's Board Certificate of Eligibility for Preferential Bidder Status (to be furnished by Bidder if applicable), and Affidavit of Compliance with Assembly Bill 144 must be included for eligibility for preferential bidder status.
- 8. Within 2 hours of opening the Bids and if not already provided and clearly identified on the Contractor Work / Subcontractor Work Description form, the Bidders who submitted the three lowest bids must also provide the following information for each subcontractor who will be paid 1 percent of the Bidder's total bid or \$50,000, whichever is greater: 1) the name of the subcontractor, 2) the subcontractor's Nevada contractor's license number, and 3) a description of the labor or work to be provided by the subcontractor (see NRS 338.141(1)(b) and (2).

A performance bond and payment bond, each in the amount of one hundred percent (100%) of the Contract Price with a corporate surety approved by the City, will be required for the faithful performance of the Agreement. The performance bond and payment bond shall meet or exceed industry standards for a similar project. The certificate for the insurance required under the General Conditions shall also be furnished by the Contractor at the time the Agreement is signed.

The Attorney-in-fact who executes the Bid Bond, Performance Bond, Labor and Material Payment Bond, and any other required bond on behalf of the surety shall affix to each such bond a certified and effective dated copy of their power of attorney.

The party to whom the Project is awarded will be required to execute the Agreement and obtain the Performance Bond and Labor and Material Payment Bond within ten (10) calendar days from the date when the Notice of Award is delivered to the Bidder. In case of the Bidder's failure to execute the Agreement, the City may at his option consider the Bidder in default, in which case the Bid Bond accompanying the proposal shall become the property of the City shall have all rights associated therewith.

The City may make such investigations as the City deems necessary to determine the ability of the Bidder to perform the work and complete the Project. The Bidder shall furnish to the District all such information and data for this purpose as the City may request. The City reserves the right to reject any Bid if the evidence submitted by, or through the investigation of, any Bidder fails to satisfy the City that such Bidder is properly qualified to carry out the obligations of the Agreement and to complete the Project.

A conditional or qualified Bid will not be accepted.

All applicable laws, ordinances, rules, and regulations of all authorities having jurisdiction over construction of the Project shall apply to the Agreement throughout. The City directs the Bidders' attention to the State Contractors' License Law

requirement (NRS 624, as amended to date) that a contractor must hold a valid license of a class corresponding to the work to be completed and all other regulations of the Nevada State Contractors Board.

Each Bidder is responsible for inspecting the site, conducting all due diligence, and for reading fully and being thoroughly familiar with the plans, specifications, and all Contract Documents. The failure or omission of any Bidder to do any of the foregoing shall in no way relieve any Bidder from any obligation in respect to his Bid.

In their sealed Bid documents, Bidders must supply the City with the completed document entitled Contractor Work / Subcontractor Work Description containing all of the information required by NRS 338.141. Pursuant to NRS 338.141(4), if a Bidder fails to provide the required information within the required timeframe, the Bid shall be deemed not responsive.

Pursuant to NRS 338.030, prevailing wage rates have been determined by the State Labor Commissioner and in no case shall the wage rates be less than as prescribed by the State Labor Commissioner or Nevada law. Prevailing wage shall include zone rates. The contractor who is awarded the Contract shall be required to submit monthly records showing name, occupation, Driver's License or identification number and State where issued, and actual wages paid to each of its employees on the Project. A copy of that record is to be submitted to the City Engineer at the following address no later than fifteen (15) days after the end of each month:

City of Mesquite
Attn: Public Works Department
10 E. Mesquite Blvd.
Mesquite, Nevada 89027

Bidders, are responsible to identify and use the correct prevailing wage rates, including any addenda, as well as all the forms needed to comply, as specified on the State of Nevada Labor Commissioner's website: www.labor.nv.gov or by calling (702) 486-2650.

All Bidders shall comply with the preferential employment provisions of NRS 338.130. This law requires that, when the qualifications of applicants are equal, the preference be given: first, to honorably discharged soldiers, sailors, and marines of the United States who are citizens of the State of Nevada; and second, to other citizens of the State of Nevada. If the provisions of NRS 338.130 are not complied with by the Bidder, the contract shall be void, and any failure or refusal to comply with any of the provisions of NRS 338.130 shall render the Agreement void.

Bid Protests

Any individual or company who bids on the Project may file a notice of protest regarding the award of the Contract. The protest must be submitted to the City in accordance with NRS 338.142, including the timing, a description of the basis for the protest, bonding, and other requirements. The City refers the Bidder to said provisions of Nevada law and the City reserves all rights as provided for by Nevada law.

Irregular Bid

A Bid shall be considered irregular for the following reasons, any one of which may be cause for rejection of the Bid:

1. If the Bid documents furnished by the City are not used or the required information is not provided.

- 2. If there are unauthorized additions, conditional or alternate Bids, or omissions or irregularities of any kind which may tend to make the Bid incomplete, indefinite, or ambiguous as to its meaning, or which give the Bidder a competitive advantage over other Bidders.
- 3. If the individual Bid items and/or Schedule of values of a Bidder's Bid are unbalanced in the opinion of the City.
- 4. If the Bid submitted contains any erasure, interlineations, or other corrections unless each such correction is clear and initialed by authorized persons.

Disqualification of Bidders

Any one or more of the following may be considered sufficient cause for the disqualification of a prospective Bidder and/or the rejection of the Bid:

- 1. Evidence of collusion among prospective Bidders.
- 2. More than one Bid for the same work or Project from an individual, firm, or corporation under the same or different name.
- 3. Lack of competency, adequate machinery, plant and/or equipment as revealed by any financial statement and/or any requested experience information.
- 4. Unsatisfactory performance record as shown by past work for the City, which might hinder or prevent the prompt completion of additional work, if awarded.
- 5. Uncompleted work which, in the judgment of the City, might hinder or prevent the prompt completion of additional work, if awarded.
- 6. Failure to pay or satisfactorily settle all bills due for labor and material on any contract(s) still outstanding at the time of the Bid opening.
- 7. Failure to comply with any qualification requirements of the City.
- 8. Failure to list, as required, descriptions of the Bidder's work and work of subcontractors as required by NRS 338.141.
- 9. Any other reason determined in good faith to be in the best interests of the City.
- 10. If the prime contractor (Bidder), as opposed to subcontractors, will be doing less than one percent of the Work on the Project.
- 11. Any failure to complete the Bid or Project documentation correctly or to provide required information.

BID PROPOSAL DOCUMENTS

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

- 1. Bid Proposal
- 2. Bid Schedule
- 3. Contractor Work / Subcontractor Work Description
- 4. Bid Bond
- 5. Non Collusive Affidavit of Bidder
- 6. Declaration of Compliance with Americans with Disabilities Act
- Nevada State Contractor's Board Certificate of Eligibility for Preferential Bidder Status (to be furnished by Bidder if applicable). Affidavit of Compliance with Assembly Bill 144 must be included for eligibility for preferential bidder status.

IMPORTANT NOTICE: Within 2 hours of opening the Bids and if not already provided and clearly identified on the Contractor Work / Subcontractor Work Description form, the Bidders who submitted the three lowest bids must also provide the following information for each subcontractor who will be paid 1 percent of the Bidder's total bid or \$50,000, whichever is greater: 1) the name of the subcontractor, 2) the subcontractor's Nevada contractor's license number, and 3) a description of the labor or work to be provided by the subcontractor (see NRS 338.141(1)(b) and (2)).

BID PROPOSAL

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| DATE: | |
|--|---|
| TO: CITY OF MESQUITE, 10 E. MESQUITE BLVD., MESO | QUITE, NEVADA 89027 |
| FROM (Name of Bidder): | |
| Bidder Address: | |
| Bidder Phone / Fax / Email: | |
| Drain Improvement Project (the "Project"), which is Brothers Engineering, Inc. and having visited the site and having performed all other due diligence and of hereby proposes to furnish all fees, labor, materials, | ecifications associated with Thomas Edison Court Roadway and Storm dated February, 2022 respectively, and were prepared by Bulloch to become familiar with all conditions affecting the cost of the work, ther investigation associated with the work, the undersigned Bidder equipment, and incidentals and to perform all work to complete the rithe total sum listed below and as shown on the bid Schedule: |
| Base Bid Amount: \$ | 3 |
| receiving a written notice of award and agrees to fu required, as well as all other required information and | ther agrees to execute the attached Agreement within 10 days after rnish within the 10 day period, all bonds and insurance information documents. |
| to Proceed" and agrees that all work will be complete | ed within 45 calendar days of the date of the Notice to Proceed (or as completion is subsequently extended in an addendum signed by the |
| | nplete the work within the time fixed in the Contract, the Bidder shall unt specified in the Agreement as well as any other damages that may |
| Authorized Agent Signature (required) | Print Name and Title |
| Nevada Contractor License No. / Classification | Limit / Performance & Payment Bond Rating |
| Bidder acknowledges receipt of the following addendurejection of the Bid): | um(failure to acknowledge receipt of any addendum shall be cause for |
| Addendum No. | Receipt Date |
| | |
| | |

BID SCHEDULE

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

NOTE TO BIDDERS: Any quantities or other information listed are merely estimates based on preliminary plans and specifications. Bidder shall review, inspect, and conduct Bidder's own due diligence related to the same and all other aspects of Bidder's Bid. By submitting a bid, Bidder hereby verifies all quantities and other specifics based on Bidder's own due diligence and investigation. If upon further inspection prior to bidding or beginning work, any quantity amounts specified below or on the plans for the Project are found to vary substantially from any estimated quantities, Bidder shall immediately notify the City of Mesquite in writing.

Estimated

| Bid Iten | n Description | Quantity | Unit Price | Total Amount |
|----------|--|-------------|------------|--------------|
| 1 | Mobilization/Demobilization | Lump Sum | | |
| 2 | Excavation and Grading | Lump Sum | | |
| 3 | Subgrade Preparation | 33,400 s.f. | | |
| 4 | Furnish & Install 10-inch Type II Aggregate Base | 28,800 s.f | | |
| 5 | Furnish & Install 15-inch Type II Aggregate Base (shoulder) | 4,600 s.f | | |
| 6 | Furnish & Install 5-inch Bituminous Plantmix (PG 76-22) with Fog Seal | 28,800 s.f. | | |
| 7 | Furnish & Install 24-inch "L" Type Curb and Gutter With Aggregate Base | 370 l.f. | | |
| 8 | Furnish & Install Street Lights | 4 ea | | |
| 9 | Furnish & Install 8-inch Sanitary Sewer Main | 650 l.f | | |
| 10 | Furnish and Install 48-inch Sewer Manholes | 2 ea | | |
| 11 | Furnish and Install 6-inch Sewer Lateral | 4 ea | | |
| 12 | Furnish and Install 18-inch Diameter RCP Storm Drain Pipe | 50 l.f. | | |
| 13 | Furnish and Install 24-inch Diameter RCP Storm Drain Pipe | 695 l.f. | | |
| 14 | Furnish and Install Storm Drain Manholes | 2 ea | | |
| 15 | Furnish Traffic Control Signed and Barricades | Lump Sum | | |

| 16 | Furnish and install 4-inch Thick Concrete Flatwork for Sidewalk with Aggregate Base | 2,200 | s.f. | | |
|----------|--|-------|-----------|--------------|--|
| 17 | Furnish and Install 8-inch Water Main including valves Bends, temporary blow-offs and air vac | 660 | l.f. | | |
| 18 | Furnish and Install 2-inch Water Service Lateral | 3 | ea | | |
| 19 | Furnish and Install Fire Hydrant Assembly, valve and lateral | 2 | ea | | |
| 20 | Furnish and Install Pavement Markings & Signs | 1 | l.s. | | |
| 21 | Furnish and Install Beehive Drop Inlet | 2 | ea | | |
| | | | | | |
| | | | Total Bio | d Amount: \$ | |
| Bid Tota | ll Amount written in words | | | | |
| | | | | | |

CONTRACTOR WORK / SUBCONTRACTOR WORK DESCRIPTION

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

CONTRACTOR'S WORK If the Contractor (Bidder) will perform any work which is more than 1 percent of the Contractor's total bid, the Contractor shall provide a description of the labor or portion of the work that the Contractor will provide; or a statement that the Contractor will perform all work other than the work being performed by the subcontractor(s) listed below (see NRS 338.141(3)). Description of the labor or portion of the work the Contractor (Bidder) will provide or perform itself:

Percentage of the work the Contractor (Bidder) will perform itself:

SUBCONTRACTORS' WORK (5% or greater)

The Contractor (Bidder) shall provide the name of each subcontractor who will provide labor or a portion of the work for which the subcontractor will be paid an amount exceeding 5 percent of the Contractor's total bid (see NRS 338.141(1)(b)). The District also requests that the Contractor (Bidder) provide a description of the work each such subcontractor will provide and the percentage of the total work each such subcontractor will perform.

| Subcontractor 1 | Name of the subcontractor: |
|-----------------|---|
| | Description of the labor or portion of the work the subcontractor will provide: |
| | Percentage of the work the subcontractor will perform: |
| Subcontractor 2 | Name of the subcontractor: |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | Percentage of the work the subcontractor will perform: |
| Subcontractor 3 | Name of the subcontractor: |
| | Description of the labor or portion of the work the subcontractor will provide: |
| | Percentage of the work the subcontractor will perform: |
| | CUDONITO A CTODO (40) ATO 000) |
| | SUBCONTRACTORS (1% or \$50,000) |

Within 2 hours after opening the bids, the Contractors (Bidders) who submitted the three lowest bids must also provide the following information for each subcontractor who will be paid 1 percent of the Contractor's total bid or \$50,000, whichever is greater: 1) the name of the subcontractor, 2) the subcontractor's Nevada contractor's license number, and 3) a description of the labor or work to be provided by the subcontractor (see NRS 338.141(1)(b) and (2).

| | This information may be provided with the Bid or it may be provided within 2 hours after opening the bids. | | | |
|-----------------|--|--|--|--|
| Subcontractor 1 | Name of subcontractor: | | | |
| | Subcontractor's Nevada contractor's license number: | | | |
| | Description of the labor or portion of the work the subcontractor will provide: | | | |
| | | | | |
| | | | | |
| Subcontractor 2 | Name of subcontractor: | | | |
| | Subcontractor's Nevada contractor's license number: | | | |
| | Description of the labor or portion of the work the subcontractor will provide: | | | |
| | | | | |
| | | | | |
| Subcontractor 3 | Name of subcontractor: | | | |
| | Subcontractor's Nevada contractor's license number: | | | |
| | Description of the labor or portion of the work the subcontractor will provide: | | | |
| | | | | |
| | | | | |
| Subcontractor 4 | Name of subcontractor: | | | |
| | Subcontractor's Nevada contractor's license number: | | | |
| | Description of the labor or portion of the work the subcontractor will provide: | | | |
| | | | | |
| | | | | |
| Subcontractor 5 | Name of subcontractor: | | | |
| | Subcontractor's Nevada contractor's license number: | | | |
| | Description of the labor or portion of the work the subcontractor will provide: | | | |
| | | | | |
| | | | | |

IMPORTANT NOTICE: Attach additional sheets as needed. If a Bidder fails to provide any of the required information within the required timeframe, the Bid shall be deemed not responsive (see NRS 338.141(4)).

BID BOND

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| Date: | |
|---|---|
| Bidder/Contractor: | |
| Surety Company: | |
| Penal Sum of Bond: | |
| Surety Company, as Surety, are hereby held and firm payment of which we hereby jointly and severally b upon any failure by Bidder/Contractor to perfor submission of a Bid to the City of Mesquite to perfor | ove identified Bidder/Contractor, as Principal, and the above identified by bound unto the City of Mesquite in the penal sum stated above, the bind ourselves, successors and assigns to make to the City of Mesquite im Bidder/Contractor's obligations arising from Bidder/Contractor's rm all Work associated with the above identified Project should the Bid to a copy of the Bid and associated documents which are made a part |
| Surety's obligations under this Bid Bond shall be null | and void under the following conditions: |
| 1. If Bidder/Contractor's Bid is rejected, or | |
| attached hereto, properly completed in a Bidder/Contractor's faithful performance of Suppliers, and others performing labor or f | Bidder/Contractor executes and delivers the Agreement in the form accordance with Bidder/Contractor's Bid, and furnishes a Bond for the Agreement, for the timely payment of all persons, subcontractors, furnishing materials in connection with the Project, and for otherwise reated by the City of Mesquite's acceptance of the Bid. |
| stated above. The Surety, for value received, also here shall be in no way be impaired or affected by any external bid; and said Surety does hereby waive all notice of a bonds must appear on the Treasury Department's me | runder shall, in no event, exceed the penal amount of this obligation as eby stipulates and agrees that the obligations of said Surety and its Bond ension of the time within which the City may accept Bidder/Contractor's ny such extension. Surety understands that surety companies executing ost current list (Circular 570 as amended) and be authorized to transact urety hereby represents and warrants that Surety is in compliance with |
| BIDDER/CONTRACTOR | SURETY COMPANY |
| Bidder/Contractor's Authorized Signature | Surety's Authorized Signature |
| Print Name and Title | Print Name and Title |

NON-COLLUSIVE AFFIDAVIT OF BIDDER

STATE OF NEVADA

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| COI | JNTY OF CLARK | ss. | | | |
|------------|---|--|--|---|--|
| The | undersigned, being f | irst duly sworn, dep | oses and says | that: | |
| (2) (3) | The undersigned has The undersigned is circumstances and ir Such Bid is genuine a Neither the Bidder rincluding this affiant firm or person to sul Bid has been submit indirectly, sought by fix the price or price price or the Bid pri agreement any adva The price or prices | submitted the atta fully informed respondermation respecting and is not a collusive nor any of its officer, has in any way collubrated or to refrain from the attached Bic ce of any other bic ntage against the Ciquoted in the attacful agreement on the | ched Bid on be ecting the preng such Bid; e or sham Bid; rs, partners, ouded, conspired ham Bid in corom bidding in sion or commod or of any other dder, or to see the Bid are falle part of the Bid are falled. | Bidder identified below, holding the title with chalf of and with authority of the Bidder, eparation and contents of the attached Bid wners, agents, representatives, employees of connived or agreed, directly or indirectly, whenection with the above identified Project for connection with such Project, or has in any unication or conference with any other bidder bidder, or to fix any overhead, profit or concure through any collusion, conspiracy, core or any person interested in the proposed Prair and proper and are not tainted by any colluder or any of its agents, representatives, or | and of all pertinent or parties in interest, with any other Bidder, or which the attached or manner, directly or er, firm, or person to st element of the Bid anivance or unlawful roject; and collusion, conspiracy, |
| Bid | der's Authorized Signa | ature | | Print Name and Title | |
| | | | | Bidder's Address | |
| | | | | Bidder's Telephone | <u> </u> |
| Sub | scribed and sworn to | before me this | _day of | ································· | |
| Not | ary | | | | |
| Му | commission expires _ | | | | |

DECLARATION OF COMPLIANCE WITHAMERICANS WITH DISABILITIES ACT

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

The Americans with Disabilities Act (ADA) was enacted on July 26, 1990 by the United States Congress to protect the disabled from discrimination in employment, public accommodations, transportation and telecommunications.

The City of Mesquite requires that all of its contractors having fifteen (15) or more employees satisfy their nondiscrimination obligations under the ADA. As such, the undersigned Bidder certifies that it will comply with the nondiscrimination provisions of the ADA.

In addition, the undersigned acknowledges that the following signed statement is required on all contracts and addenda to all contracts now in effect with the City of Mesquite, the undersigned represents and warrants that the statement is true, and agrees that such statement is hereby incorporated into all contracts and addenda between the City of Mesquite and the Bidder:

| "I, the undersigned on behalf of the identified contractor hereby certify that the below referenced company is in compliance with the nondiscrimination provisions of the Americans with Disabilities Act." | | | | |
|---|------|----------------------|--|--|
| | | | | |
| Bidder's Authorized Signature | Date | Print Name and Title | | |

CITY OF MESQUITE

AFFIDAVIT OF COMPLIANCE WITH ASSEMBLY BILL 144

(Contractor submitting for Preferential Bidder Status shall include this Affidavit)

| STATE OF NEVADA |) ss. | | |
|------------------------|--|--|--------|
| COUNTY OF CLARK |) | | |
| l, | (N | ame of party signing this affidavit and the Bid Form), | |
| | (title), ur | der penalty of perjury, being duly sworn, depose and | d say: |
| That | (name of person, firm, association, or corporation) is | | |
| in compliance with 20 | 11 Assembly Bill 144, 6 | enacted into NRS, Chapter 338, effective April 27, 201 | 1. |
| Bidder shall review en | acted Bill 144 and NRS | Chapter, 338. | |
| | | | |
| | | | |
| Signature | | Title | _ |
| | | | |
| | | | |
| | | | |
| | | Address | |
| Subscribed and sworn | to hefore me this | | |
| | | Telephone | |
| Day of | | _ | |
| Notary | | - | |
| My commission expire | es | | |

CONTRACT DOCUMENTS

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

- 1. Notice of Award
- 2. Agreement
- 3. Certificate of Contractor's Authority
- 4. Performance Bond & Surety Bond
- 5. Labor and Material Payment Bond
- 6. Notice to Proceed
- 7. Change Order
- 8. 1 set of Specifications titled "Thomas Edison Court Roadway and Storm Drain Improvement Project" and Improvement Plans titled "Improvement Plans for Thomas Edison Court" prepared by Bulloch Brothers Engineering, Inc. and dated February 2022, respectively.

NOTICE OF AWARD

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

| To (Contractor): | |
|--|---|
| Date: | |
| The City of Mesquite ("City") has considered the Bio | d submitted by you for the above described Project in response to the |
| City's Advertisement for Bids dated, | 2022. |
| You are hereby notified that your Bid has been accep | oted for the amount of \$ |
| | are required to execute the Agreement and deliver it to the City along d, and Certificates of Insurance within ten (10) calendar days from the |
| of this Notice of Award, the City shall be entitled to o | aid Bonds or Certificates of Insurance within ten (10) days from the date consider all your rights arising out of the City's acceptance of your Bid as e City reserves and will be entitled to all such other rights, remedies, and |
| You are also required to return to the Cit, a signerer representative. | ned copy of this Notice of Award signed below by your authorized |
| | Allan Litman, Mayor Date |
| | City of Mesquite |
| | 10 E. Mesquite Blvd. Mesquite, Nevada 89027 |
| ACKNOWLEDGEMEN | IT OF RECEIPT OF NOTICE OF AWARD |
| On behalf of the above named Contractor, I hereby stated below. | acknowledge that Contractor received this Notice of Award on the date |
| Contractor's Authorized Signature | Print Name and Title |
| Date Notice of Award was received | _ |

AGREEMENT

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

This Agreement is made and entered into as of the date stated below by and between the City of Mesquite ("City") and the undersigned Contractor.

- 1. <u>Definitions</u>. Wherever used in the Contract Documents, the following terms shall have the meanings indicated which shall be applicable to both the singular and plural thereof:
 - a. Agreement—the agreement, including this document, executed between the City and Contractor for the Contractor to complete the Project.
 - b. Contract Documents This Agreement, the Advertisement for Bids, Information for Bidders, the Contractor's Bid, all required bonds, Notice of Award, Notice to Proceed, Change Orders, plans, drawings, Specifications, addenda, and additional instructions from the City associated with the Project.
 - c. Contract Price The total monies payable to the Contractor under the terms and conditions of the Agreement.
 - d. Contract Time The number of calendar days stated in the Contract Documents for the completion of the Work.
 - e. Contractor The person, firm or corporation with whom the City has executed this Agreement to perform the Work.
 - f. Field Order A written order issued by the City to the Contractor during construction effecting a change in the Work not involving an adjustment in the Contract Price or an extension of the Contract Time.
 - g. Shop Drawings All drawings, diagrams, illustrations, brochures, Schedules and other data which are prepared by the Contractor, a Subcontractor, manufacturer, Supplier or distributor, which illustrate how specific portions of the Work shall be fabricated or installed.
 - h. Specifications Written descriptions of materials, equipment, construction systems, standards, and workmanship. The Specifications shall include, but are not limited to, the Virgin Valley Water District's current Design Standards and Specifications for Water Works Construction, other local utility standards for potable water, sanitary sewer and telephone and the Uniform Standard Specifications for Public Works Construction, Off-Site Improvements, Clark County, Nevada (latest edition).
 - i. Subcontractor An individual, firm or corporation having a direct contract with the Contractor or with any other Subcontractor for the performance of a part of the Work.
 - j. Substantial Completion That date as certified by the City when the construction of the Project or a specified part thereof is sufficiently completed as agreed so that the Project or specified part can be utilized for the purposes for which it is intended.
 - k. Supplier Any person or organization who supplies materials or equipment for the Work including that fabricated to a special design, but who does not perform labor at the site.
 - I. Work All labor and other work necessary to produce the construction of the Project and all materials and equipment incorporated or to be incorporated into the Project.

m.

- 2. <u>The Work</u>. Contractor shall complete the Project in accordance with the Contract Documents (defined below) and shall furnish all of the materials, supplies, tools, equipment, labor, transportation, and other services associated with the Project and all incidental work necessary to complete the Project in an acceptable manner, ready for use, occupancy or operation by the City.
- 3. <u>The Contract Price</u>. In exchange for the City's payment to the Contractor of the total sum of **\$**_____ (or as shown in the Bid Schedule) (the "Contract Price"), Contractor shall complete the Project and shall comply with all terms of the Contract Documents.
- 4. <u>Commencement of the Work</u>. Contractor shall commence the work in accordance with the City's Notice to Proceed.
- 5. <u>Completion of the Project and Liquidated Damages</u>. Contractor shall complete the Project within **90 calendar days** unless the period for completion is extended by a writing signed by both the City and Contractor (the "Contract Time"). Contractor shall be liable for liquidated damages as set forth below for any delay in completing the Project.
 - 6. <u>Contractor Representations</u>. Contractor hereby agrees, warrants, and represents to the City as follows:
- a. Contractor has all requisite licenses and authority necessary to enter into this Agreement and to perform and complete the Work, including current contractor licenses issued by the Nevada State Contractors Board and any other applicable entity. If any Subcontractors of Contractor perform any portion of the Work, Contactor shall ensure that such Subcontractors are properly licensed and operate at all times in accordance with all applicable laws, ordinances, and regulations.
- b. Contractor is properly insured, according to the laws of the State of Nevada and the requirements of this Agreement, to perform the Work.
- c. Contractor has examined and carefully studied all of the Contract Documents and any and all concerns have been reasonably addressed in writing.
- d. Contractor has visited the site where the Work is to be performed and has completed and has become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, and performance of the Work based on Contractor's own investigation, inspection, and due diligence and Contractor is not relying on any representation of the City.
- e. Contractor is familiar with and is satisfied as to all federal, state, and local laws and regulations that may affect cost, progress, and performance of the Work.
- f. Contractor has obtained and carefully studied (or assumes responsibility for doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and any underground facilities) at or contiguous to the site where the Work is to be performed which may affect cost, progress, or performance of the Work or which may relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor. Contractor understands and agrees that, unless the City has expressly accepted responsibility for such in a written document signed by the City's general manager, the City shall not be responsible for the accuracy of any data, figures, numbers, records, reports, studies, tests, or any other information related to or having any impact on the Work.
- g. Contractor understands and agrees that the City is relying on Contractor's expertise in performing the Work and that the City does not possess such expertise.
- h. Contractor does not consider any further examinations, investigations, explorations, tests, studies, or data necessary for the performance of the Work at the Contract Price and in accordance with the other terms and conditions of the Contract Documents.

- i. Contractor has performed all necessary due diligence in connection with the Work and is not relying on any information provided by the City or its agents or representations made by the City or its agents except as contained in this Agreement, if any. Contractor has correlated all of the information known and available to Contractor, information concerning the Work, observations obtained from visits to the site where the Work is to be performed, any and all reports and drawings and the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data and represents that Contractor is fully comfortable with the Work and possesses the expertise to complete the it.
- j. Contractor has given the City written notice of any and all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, if any, and any written resolution thereof by the City is acceptable to Contractor.
- k. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and performance of the Work.
 - 7. Additional Obligations of Contractor. Contractor hereby agrees that for the duration of the Project:
- a. All vehicles used primarily for the Project will be: (1) registered and at least partially apportioned to Nevada pursuant to the International Registration Plan, as adopted by the Department of Motor Vehicles pursuant to NRS 706.826; or (2) registered in the State of Nevada;
- b. At least 50 percent of the design professionals working on the Project, including, without limitation, any employees of the Contractor and of any subcontractor engaged on the Project, will have a valid driver's license or identification card issued by the Department of Motor Vehicles;
- c. Contractor and any subcontractor engaged on the Project will maintain and make available for inspection within the State of Nevada its records concerning payroll relating to the Project.
- d. If Contractor reaches this Agreement or other Contract Documents as a result of a failure to comply with the provisions of this Section, Contractor is liable to City for liquidated damages in the amount of one percent (1%) of the Contract Price.
- 8. <u>Schedules.</u> Prior to the first partial payment estimate, the Contractor shall submit to the City the following schedules:
 - a. Construction progress schedules showing the order in which Contractor proposes to carry on the Work, including dates at which Contractor will start the various parts of the Work and estimated dates of completion of each part of the Work; and
 - b. A schedule of payments with the associated dates that Contractor anticipates Contractor will earn during the course of the Work.

Contractor shall also provide all other relevant schedules of quantity, costs, progress, payrolls, reports, estimates, records and other data as may be requested by the City.

9. <u>Shop Drawings</u>. The Contractor shall provide Shop Drawings as may be necessary for the performance of the Work. The City's approval of any Shop Drawing shall not release the Contractor from responsibility for deviations from the Contract Documents. When submitted for the City's review, it shall be presumed that Contractor has reviewed, checked, and approved the Shop Drawings and that they are in conformance with the requirements of the Contract Documents. The City's approval of any Shop Drawing which substantially deviates from the requirement of the Contract Documents shall be evidenced by a written Change Order signed by the City Engineer of the City. Portions of the Work requiring a Shop Drawing

or sample submission shall not begin until the Shop Drawing or submission has been approved by the City. A copy of each approved Shop Drawing and each approved sample shall be kept in good order by the Contractor at the site and shall be available to the City. Notwithstanding anything in this Agreement to the contrary, Shop Drawings, sample submissions, and similar submittals are not Contract Documents unless expressly approved by the City in writing. No extra Contract Time shall be given for rejection of Shop Drawings or samples.

10. Materials.

- a. As part of the Work, Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, supervision, temporary construction of any nature, and all other services and facilities of any nature whatsoever necessary to execute, complete, and deliver the Work within the specified time.
- b. Materials and equipment shall be so stored by Contractor as to insure the preservation of their quality and fitness for the Work. Stored materials and equipment to be incorporated into the Work shall be located so as to facilitate prompt inspection.
- c. Manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned by Contractor as directed by the manufacturer.
- d. Materials, supplies, and equipment shall be in accordance with samples submitted by the Contractor and approved by the City.
- e. Contractor shall furnish, at no additional cost to the City, such labor as may be required to enable a thorough inspection and culling of all materials.
- f. Materials, supplies or equipment to be incorporated into the Work shall not be purchased by the Contractor or the Subcontractor subject to a chattel mortgage or under a conditional sale contract or other agreement by which an interest is retained by the seller.
- g. Whenever a material, article or piece of equipment is identified in the Project drawings or Specifications by reference to brand name or catalog number, it shall be understood that this is referenced for the purpose of defining the performance or other salient requirements and that other products of equal capacities, quality and function shall be considered, provided compliance with NRS 338.140(1)(b) is maintained. The Contractor may recommend the substitution of a material, article, or piece of equipment of equal substance and function for those referred to in the Contract Documents by brand name or catalog number, and if, in the opinion of the City, such material, article, or piece of equipment is of equal substance and function to that specified, the City may approve its substitution and use by the Contractor. Any cost differential shall be deductible from the Contract Price and the Contract Documents shall be appropriately modified by Change Order if approved by the City in writing. The Contractor warrants that if substitutes are approved, no major changes in the function or general design of the Project will result. Incidental changes or extra component parts required to accommodate the substitute will be made by the Contractor without a change in the Contract Price or Contract Time.

11. Inspections and Tests.

a. The City/Engineer shall perform all necessary or reasonable compliance tests associated with the Project in accordance with generally accepted standards. Contractor shall give the City reasonable notice but in any event no less than 24 hours-notice prior to all tests and inspections.

- b. Upon the City's request, Contractor shall furnish to the City such samples of materials as proposed to be used, in sufficient amounts as required to make proper tests. If the City determines that material or equipment fails the reasonable requirements, City may reject such material or equipment. Any re-inspection and retesting of work or materials rejected by City after the initial testing or inspection shall be at Contractor's expense until a retest meets reasonable requirements or the Contract Documents.
- c. If the Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction require any Work to specifically be inspected, tested, or approved by someone other than the Contractor, the Contractor shall assume full responsibility therefore, pay all costs in connection therewith, and furnish the City with the required certificates of inspection, testing or approval.
- d. Contractor shall be responsible for and shall pay all costs associated with any inspection or testing required in connection with the City's acceptance of materials or equipment proposed to be incorporated into the Work, or of materials or equipment submitted for approval prior to Contractor's purchase thereof for incorporation into the Work. The City assumes no obligation to observe materials at the source of supply nor does such inspection assure conformance to the Contract Documents or industry standard, which shall be the responsibility of Contractor.
- e. Inspections, tests or approvals by the City or others shall not relieve the Contractor from his obligations to perform the Work in accordance with requirements of the Contract Documents.
- f. The City and its representatives shall at all times have access to the Work and Contractor shall facilitate such access. In addition, authorized representatives and agents of any participating federal or state agency shall be permitted to inspect all Work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor shall provide proper facilities for such access and observation of the Work and also for any inspection or testing thereof.
- g. If any Work is covered over contrary to the instructions in the Contract Documents, it must, if requested by the City, be uncovered for the City's observation and replaced at the Contractor's expense.
- h. If the City considers it necessary or advisable that covered Work be inspected or tested by others, if Contactor has already complied with all reasonable and required inspections and testing, the Contractor shall uncover, expose or otherwise make available for observation, inspection or testing as the City may require, that portion of the Work in question, with Contractor furnishing all necessary labor, materials, tools, and equipment. This shall be at the City's expense unless it is found that such Work is defective or otherwise improper. In such case, the Contractor shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction or alterations.
- i. The City and its representatives shall at all times have access to the Work and Contractor shall facilitate such access. In addition, authorized representatives and agents of any participating federal or state agency shall be permitted to inspect all Work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor shall provide proper facilities for such access and observation of the Work and also for any inspection or testing thereof.
- 12. <u>Surveys</u>. The City shall be is responsible for providing surveying construction stakes as necessary for construction of project. Contractor shall give the City reasonable notice for construction staking.
- 13. <u>Permits and Licenses</u>. The contractor is required to obtain a construction permit from the City of Mesquite prior to beginning work. Permits and licenses of a temporary nature necessary for the prosecution of the work including, but not limited to, dust control, SWPPP, etc. shall be secured and paid for by the Contractor unless clearly stated otherwise in

writing and signed by the City. All water required for the construction of the project shall also be secured and paid for by the Contractor. The Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on the conduct of the Work. If the Contractor observes that the Contract Documents are at variance therewith, the Contractor shall promptly notify the City in writing, and any necessary changes shall be adjusted as provided herein. The Contractor shall pay all applicable royalties and license fees. Contractor shall defend all suits or claims for infringement of any patent rights and hold the City harmless and indemnify the City from loss on account thereof.

14. <u>Supervision of the Project by Contractor</u>. The Contractor shall supervise and direct the Work. The Contractor shall be solely responsible for the means, methods, techniques, sequences and procedures of construction. The Contractor shall employ and maintain on the Work a qualified supervisor or superintendent who shall have been designated in writing by the Contractor as the Contractor's representative at the site. The supervisor shall have full authority to act on behalf of the Contractor and all communications given to the supervisor shall be binding on the Contractor as if given to the Contractor directly. The supervisor shall be present on the site at all times as necessary to perform adequate supervision and coordination of the Work.

15. Safety and Protection of the Work, Property, and Persons.

- a. The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. The Contractor shall take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury or loss to all employees on the Project and any other persons who may be affected thereby, to all the Work and all materials or equipment to be incorporated therein, whether in storage on or off the Project site, and all other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal relocation or replacement in the course of construction.
- b. The Contractor and each Subcontractor and Supplier shall comply with all applicable laws, ordinances, rules, regulations and orders of any public body that has jurisdiction, including without limitation, any applicable licensing requirements and requirements for the payment of sales and use taxes on equipment, materials and supplies provided for the Work. The Contractor shall erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety and protection. The Contractor shall notify owners and operators of adjacent utilities when prosecution of the Work may affect them or their operations and the Contractor shall be responsible for such. The Contractor shall be responsible for and shall hold harmless and indemnify the City for all damage, injury or loss to any property caused, directly or indirectly, in whole or in part, by the Contractor, any Subcontractor or anyone directly or indirectly employed by any of them or anyone for whose acts any of them are liable, except damage or loss attributable to the acts or omissions of the City and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of the Contractor or a Subcontractor.
- c. In emergencies or in the event a situation arises affecting the safety of persons or the Work or any other property at the site or adjacent thereto, the Contractor, without special instruction or authorization from the City, shall act to prevent threatened damage, injury or loss. The Contractor shall give the City immediate notice followed by prompt written notice of any material changes in the Work or deviations from the Contract Documents caused thereby. As approved by the City, a Change Order shall thereupon be issued covering the changes and deviations involved.
- d. The City shall have the right to enter the work site for the purpose of conducting business or doing work not covered by the Contract Documents. This provision shall not be construed as relieving the Contractor of the sole responsibility for the care and protection of the Work, or the restoration of any damaged Work except such as may be negligently caused by agents or employees of the City.

16. Additional Instructions and Field Orders.

- a. During the course of the Work, the City may furnish the Contractor with additional instructions and detail drawings as necessary or reasonably desired for the Project. The additional drawings and instructions thus supplied shall become a part of the Contract Documents. The Contractor shall carry out the Work in accordance with any such additional drawings and instructions. If such additional instructions materially increase or decrease the cost of the Work or in the time reasonably required to complete the Work, such will be made by a Change Order.
- b. The City may also at any time, as the need arises, order changes to the Work. If such changes materially increase or decrease the cost of the Work or in the time reasonably required to complete the Work, an equitable adjustment shall be authorized by Change Order. The Contractor shall proceed with the performance of any changes in the Work so ordered by the City unless the Contractor believes that such Field Order entitles Contractor to a change in Contract Price or Contract Time, or both, in which event the Contractor shall give the City written notice thereof within seven (7) days after the receipt of the Field Order. Thereafter the Contractor shall document in writing the basis for the change in Contract Price or Contract Time within thirty days. The Contractor shall not perform such changes pending the receipt of an executed Change Order or further instruction from the City. If the Contractor fails to provide written notice to the City of a change in Contract Price or Contract Time, or both, within seven (7) days after the receipt of the Field Order, there shall be no change in the Contract Price or Contract Time.
 - 17. Change Orders. The City may at any time, as the need arises, order changes to the Work and any change that materially increases or decreases the cost of the Work or in the time reasonably required to complete the Work, an equitable adjustment shall be authorized by a Change Order. The Contract Price and Contract Time may be changed only by a Change Order signed by the City and Contractor. The value of any Work covered by a Change Order or of any claim for increase or decrease in the Contract Price shall be determined by one or more of the following methods in the order of precedence listed below:
 - a. An agreed lump sum
 - b. Unit prices previously approved
 - c. The actual cost for labor, direct overhead, materials, supplies, equipment, and other services necessary to complete the work. In addition there shall be added an amount to be agreed upon, but not to exceed ten percent (10%) of the actual cost of the Work, to cover the cost of general overhead and profit.
- 18. <u>Time is of the Essence</u>. Time is of the essence in completing the Project. The date of beginning and the time for completion of the Work are essential conditions of the Contract Documents and the Work shall be commenced on the date specified in the Notice to Proceed. The Contractor shall proceed with the Work at such a rate of progress as is necessary to ensure full completion of the Work within the Contract Time. It is expressly understood and agreed, by and between the Contractor and the City, that the Contract Time for the completion of the Work described herein is a reasonable time, taking into consideration the all conditions and other factors associated with the Work and that the City will be harmed if the Project is not timely completed.
- 19. <u>Liquidated Damages</u>. The City and Contractor agree that as liquidated damages for any delay in Contractor's completion of the Work (but not as a penalty) Contractor shall pay the City \$500 per day for each calendar day delay in Contractor's completion of the Work and the Project in accordance with the terms of the Contract Documents. The Contractor shall not be charged with liquidated damages when the delay in completion of the Work is due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor and the Contractor has promptly given written

notice of such delay to the City at the time of the event causing the delay. These events include acts of God, or of the public enemy, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and abnormal and unforeseeable weather that make completing the Work in the Contract Time impossible.

- 20. <u>Correction of Work</u>. The Contractor, at the Contractor's expense, shall promptly remove from the Project site all Work rejected by the City for failure to comply with the Contract Documents, whether incorporated in the construction or not, and the Contractor shall promptly replace and redo the Work in accordance with the Contract Documents and without expense to the City and Contractor shall bear the expense of making good all Work of all subcontractors or other improvements or property that is destroyed or damaged by such removal or replacement. All removal and replacement Work shall be done at the Contractor's expense. If the Contractor does not take action to remove such rejected Work within ten (10) days after receipt of written notice, the City may remove such Work and shall be reimbursed by Contractor and store the materials at the expense of the Contractor.
- 21. <u>Subsurface Conditions</u>. The Contractor shall promptly, and before such conditions are disturbed except in the event of an emergency, notify the District in writing of the following:
 - a. Subsurface or latent physicals conditions at the site differing materially from any indicated in the Contract Documents, or
 - b. Unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in Work of the character provided for in the Contract Documents.

If the Contractor provides such written notice to the City, the City will investigate the conditions, and if the City finds that such conditions do so materially differ and justify an increase or decrease in the cost of, or in the time required for, performance of the Work, an adjustment may be made and the Contract Documents modified by Change Order. Any claim by the Contractor for adjustment hereunder shall not be allowed unless Contractor has given the required written notice and Change Order is signed by the City.

Contractor shall also immediately notify the City in writing of any discrepancies, inconsistencies, or ambiguities found in the Contract Documents as compared to site or subsurface conditions. Work done by the Contractor after his discovery of such discrepancies, inconsistencies or ambiguities shall be done at the Contractor's risk.

- 22. <u>Suspending the Project</u>. The City may suspend the Work or any portion thereof for a period of not more than ninety (90) days or such further time as agreed upon by the Contractor, by written notice to the Contractor which notice shall fix the date on which Work shall be resumed. The Contractor will resume the Work on the date so fixed. The Contract Time will be suspended equal to the number of days the Work is suspended by the City.
- 23. Termination of Work on the Project. If the Contractor is adjudged bankrupt or insolvent, if the Contractor makes a general assignment for the benefit of the Contractor's creditors, or if a trustee or receiver is appointed for the Contractor or for any of the Contractor's property; or if the Contractor files a petition to take advantage of any debtor's act, or to reorganize under the bankruptcy or other similar applicable laws; or if the Contractor repeatedly fails to supply sufficient skilled workers or suitable materials or equipment; or if the Contractor repeatedly fails to make prompt payments to Subcontractors or to Suppliers or for labor, materials or equipment; or if the Contractor disregards laws, ordinances, rules, regulations or orders of any public body having jurisdiction of the Work; or if the Contractor disregards the authority of the City; or if the Contractor otherwise violates any provision of the Contract Documents, then the City may, without prejudice to any other right or remedy and after giving the Contractor written notice, terminate the services of the Contractor and take possession of the Project and of all materials, equipment, tools, construction equipment and machinery thereon owned by the Contractor, and finish the Work by whatever method the City may deem expedient. In such case the Contractor shall not

be entitled to receive any further payment until the Work is finished. If the costs to complete the Work exceed any unpaid balance to the Contractor, the Contractor shall pay the difference to the City plus any other damages reasonably suffered by the City.

Where the Contractor's services have been terminated by the City, said termination shall not affect any right of the City against the Contractor then existing or which may thereafter accrue. Any retention or payment of monies by the City due the Contractor will not release the Contractor from compliance with the Contract Documents. After ten (10) days from delivery of a written notice to the Contractor, the City may, without cause and without prejudice to any other right or remedy, elect to abandon the Project. In such case, the Contractor shall be paid for all Work executed and any expense sustained plus reasonable profit less all related expenses or damages suffered by the City.

- 24. <u>Clean Up</u>. Upon substantial completion of the Work, Contractor shall, at Contractor's expense cause any and all rubbish, implements, and surplus materials to be removed from the Work site and the City's property.
- 25. Restoration of Surface Improvements. Unless otherwise expressly stated and shown in the plans and Drawings, it shall be the Contractor's responsibility to restore to their original condition all roadways, roadway striping, sidewalk, curb and gutter, cross gutters, irrigation ditches, canals, culverts, gates, fences, drainage ditches, landscaping and all such improvements which are cut or disturbed during construction at Contractor's expense. All pavement and road shoulder surface repair in state, county or city right-of-ways shall be done in accordance with appropriate standards. Contractor is also required to comply with any restrictions imposed by the governing body or agency governing the right-of-way. No payment will be made for restoration of surface improvements, including pavement restoration in state, county or city right-of-ways. All costs in connection with the work involved in the restoration of surface improvements will be considered to be included in the Contract Price, which restoration of surface improvements is incidental or appurtenant.

26. <u>Payments to Contractor</u>.

- a. At least twenty (20) days before each progress payment falls due (but not more often than once a month), the Contractor will submit to the City a partial payment estimate filled out and signed by the Contractor covering the Work performed during the period covered by the partial payment estimate and supported by such data as the City may reasonably require. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at or near the site, the partial payment estimate shall also be accompanied by such supporting data, satisfactory to the City, as will establish the City's title to the material and equipment and protect the City's interest therein, including applicable insurance. The City shall retain ten (10) percent of the amount of each payment until final completion and acceptance of all Work. On completion and acceptance of a part of the Work on which the price is stated separately in the Contract Documents, payment may be made in full, including retained percentages, less authorized deductions.
- b. Prior to completion of the Work, the City, with the concurrence of the Contractor, may use any completed or substantially completed portions of the Work. Such use shall not constitute an acceptance of such portions of the Work.
- c. The City's contracted payment amount to Contractor shall cover and include payment in full for all of the Work including any amounts owing to any of Contractor's Subcontractors, Suppliers, laborers, employees, agents, and for all other costs associated with the Project.
- d. Upon receipt of the contracted payment amount from the City or upon Contractor's breach or failure to perform the Work, Contractor shall promptly release and shall provide the City with an unconditional waiver and release of all liens associated with any City property in any way related to the Work. Contractor shall also indemnify the City from the claims or liens of any of Contractor's Subcontractors, Suppliers, laborers, employees, and agents.

- e. The balance found to be due the Contractor, including the retained percentages, but except such sums as may be lawfully retained by the City shall be paid to the Contractor within thirty (30) days of completion and acceptance of the Work.
- f. The Contractor shall indemnify and hold the City and the City's agents harmless from all claims and demands arising from or relating to all Subcontractors, Suppliers, laborers, workers, mechanics, materialmen, furnishers of machinery and parts thereof, equipment, tools and all supplies, and all other parties contributing value to the Project or expenses incurred in the furtherance of the performance of the Work. The Contractor shall provide lien releases and furnish such other satisfactory evidence as is reasonable to certify that all obligations of the nature designated above have been paid, discharged, or waived. If the Contractor fails to do so the City may either pay unpaid bills or withhold from the Contractor's unpaid compensation a sum deemed reasonably sufficient to pay any and all such claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of the Contract Documents less any expenses or damages to the City caused by Contractor's failures, but in no event shall the provisions of this sentence be construed to impose any obligations upon the City to either the Contractor, the Contractor's surety, or any third party. In paying any unpaid bills of the Contractor, any payment so made by the City shall be considered as a payment made under the Contract Documents by the City to the Contractor and the City shall not be liable to the Contractor for any such payments made in good faith to any third parties.
- g. The City may withhold and retain from the payment to Contractor any liquidated damages or other set offs assessed as set forth herein.
- h. The acceptance by the Contractor of final payment shall be and shall operate as the Contractor's release of the City of all claims and all liability associated with the Project. Any payment, however, final or otherwise, shall not release the Contractor or Contractor's sureties or agents from any obligations under the Contract Documents or associated with any bonds.

27. Insurance.

- a. Contractor shall procure and maintain such insurance, at Contractor's expense, as will protect Contractor and the City (as an additional insured to the extent possible and applicable) from all claims including, without limitation, those set forth below which may arise out of or result from the Contractor's performance of the Work, whether such performance be by Contractor or by any Subcontractor or by anyone directly or indirectly employed by any of them or their agents, or by anyone for whose acts they may be liable:
 - i. General liability coverage for all claims for personal injury, including death, and all claims for destruction of or damage to property, and defective work
 - ii. Coverage for claims under workers compensation, disability benefit and other similar employee benefit acts;
 - iii. Coverage for claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;
 - iv. Coverage for claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;
 - v. Coverage for claims for damages insured by usual personal injury liability coverage which are sustained (1) by any person as a result of an offense directly or indirectly related to the employment of such person by the Contractor, or (2) by any other person;

- vi. Coverage for claims for damages because of injury to or destruction of tangible property, including any loss of use resulting therefrom.
- b. Insurance shall be written with a limit of liability of not less than \$1,000,000 for all damages arising out of bodily injury, including death, at any time resulting therefrom, sustained by any one person in any one accident; and a limit of liability of not less than \$2,000,000 aggregate for any such damages sustained by two or more persons in any one accident. Insurance shall be written with a limit of liability of not less than \$500,000 for all property damage.
- c. Contractor shall provide the City with Certificates of Insurance acceptable to the City prior to commencement of the Work. These certificates shall contain a provision that coverage afforded under the policies shall not be canceled unless at least fifteen (15) days prior written notice has been given to the City and Contractor shall cause the City to be named as an additional insured under the policies. Any failure by Contractor to provide such certificates shall not relieve Contractor of any obligation related to insurance or any other obligation.
- d. The Contractor shall procure and maintain, at Contractor's own expense and through the completion of the Project and in accordance with the provisions of the laws of Nevada, Workers Compensation Insurance including occupational disease provisions for all of Contractor's employees associated with the Project and in case any work is sublet, the Contractor shall require all such Subcontractors similarly to provide Workers Compensation Insurance including occupational disease provisions for all of the Subcontractors' employees unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in hazardous work is not protected under Workers Compensation statute, the Contractor shall provide and shall cause each Subcontractor to provide adequate and suitable insurance for the protection of all those performing the Work who are not otherwise protected.
- e. The Contractor shall secure "All Risk" type Builder's Risk Insurance for Work to be performed. Unless specifically authorized by the City, the amount of such insurance shall not be less than the Contract Price as stated in the Bid, or \$1,000,000, whichever is greater. The policy shall cover not less than the losses due to fire, explosion, hail, lightning, rain or flood, vandalism, malicious mischief, wind, collapse, riot, aircraft, and smoke during the Contract Time, and until the Work is accepted by the City. The policy shall name as the insured the Contractor and the City as an additional insured party.
- Bonds. The Contractor shall within ten (10) days after the receipt of the Notice of Award furnish the City with a Performance Bond and a Labor and Material Payment Bond in penal sums equal to the amount of the Contract Price, conditioned upon the performance by the Contractor of all undertakings, covenants, terms, conditions and agreements of the Contract Documents, and upon the prompt payment by the Contractor to all persons supplying labor and materials in the performance of the Work provided by the Contract Documents. Such bonds shall be executed by the Contractor and a corporate bonding company licensed to transact such business in the state in which the Work is to be performed and named on the current list of "Surety Companies Acceptable on Federal Bonds" as published in the Treasury Department Circular Number 570. The expense of these bonds shall be borne by the Contractor. If at any time a surety on any such bond is declared as bankrupt or loses its right to do business in the state in which the Work is to be performed or is removed from the list of Surety Companies accepted on Federal Bonds, Contractor shall within ten (10) days substitute an acceptable bond or bonds in such form and sum and signed by such other surety or sureties as may be satisfactory to the City consistent with the Contract Documents. The premiums for all bonds shall be paid by the Contractor. No further payments shall be deemed due nor shall be made until the new surety or sureties shall have furnished acceptable bond(s) to the City.
- 29. <u>Indemnification</u>. The Contractor shall indemnify and hold harmless the City and its agents and employees from and against all claims, damages, losses and expenses including attorney's fees arising out of or resulting from the performance of the Work, regardless of whether any such claims, damage, loss or expense is attributable to, without limitation, bodily injury, sickness, disease or death, or to injury to or destruction of tangible property including the loss of use

resulting therefrom or any other damage or harm caused in whole or in part by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable. If any claim is brought against the City (or any of its agents or employees) by any employee of the Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the Contractor's indemnification obligation shall not be limited in any way based on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under workers compensation acts, disability benefit acts, or other employee benefits acts.

- 30. Other Contractors. The City reserves the right to award other contracts in connection with this Project. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly coordinate Contractor's Work with theirs. If the proper execution or results of any part of the Contractor's Work depends upon the work of any other contractor, the Contractor shall inspect and promptly report to the City any defects in such work that renders Contractor unable to properly perform Contractor's Work or which Contractor is aware of and which would negatively impact the Project.
- 31. <u>Subcontractors</u>. The Contractor may utilize the services of specialty Subcontractors on those parts of the Work which, under normal contracting practices, are performed by specialty Subcontractors provided Contractor maintains compliance with the Contract Documents and consistency with Contractor's Bid documents. The Contractor shall be fully responsible to the City for the acts and omissions of all Subcontractors, and of persons either directly or indirectly employed by them, as Contractor is for the acts and omissions of persons directly employed by Contractor. The Contractor shall cause appropriate provisions to be inserted into all subcontracts relative to the Work to bind Subcontractors to the Contractor in a manner consistent with the Contract Documents insofar as applicable to the Work of Subcontractors.
- 32. <u>Guaranty by Contractor</u>. The Contractor shall guarantee all materials and equipment furnished and Work performed for a period of one (1) year from the date of Substantial Completion. The Contractor warrants and guarantees for a period of one (1) year from the date of Substantial Completion that the completed Work is free from all defects due to faulty materials or workmanship and the Contractor shall promptly make such corrections as may be necessary by reason of such defect including repairs of any damage to other property or parts of the system resulting from such defects. The City will give notice of observed defects as soon as possible. In the event the Contractor should fail to make such repairs, adjustments, or other work that may be made necessary by such defects, the City may do so and charge the Contractor the cost thereby incurred plus any other associated expense or damages. The Performance Bond shall remain in full force and effect throughout the guarantee period.
- 33. <u>Conflicting Provisions</u>. In the event any provision of one Contract Document conflicts with the provision of another Contract Document, the provision in that document first listed below shall govern:
 - 1) Change Order / Field Order signed by an authorized City representative
 - 2) Addenda to Agreement
 - 3) This Agreement
 - 4) Contractor's Bid Proposal (including Bid Schedule)
 - 5) Addenda (if any) to the Information for Bidders
 - 6) Information for Bidders
 - 7) Advertisement
 - 8) Notice of Award
 - 9) Notice to Proceed
 - 10) Specifications prepared or issued by Bulloch Brothers Engineering, Inc.
 - 11) Drawings prepared by Bulloch Brothers Engineering, Inc. for this project numbered sheet 1 through sheet 4 and dated December, 2021.

- 12) Local Utility Standards for Potable Water, Sanitary Sewer, and Telephone including but not limited to: *The City of Mesquite Design Standards and Specifications for Water Works Construction*, latest edition,
- 13) Design and Construction Standards for Wastewater Collection Systems Southern Nevada, latest edition.
- 14) The Uniform Standard Specifications for Public Works Construction, Off-site Improvements, Clark County Area, Nevada, latest edition.
- 15) Bid Bond
- 16) Performance Bond
- 17) Labor and Material Payment Bond

Contractor shall immediately notify the City in writing of any discrepancies found in the documents listed above or in the plans, Specifications, and drawings associated with the Project. Work done by the Contractor after his discovery of such discrepancies, inconsistencies or ambiguities shall be done at the Contractor's risk.

34. Additional Federal, State, or Local Government Related Contract Provisions.

- a. Contractor shall retain all required records for at least three years after the City makes final payment or such longer time as may be required by state or federal regulations. Contractor shall establish a proper accounting system in accordance with generally accepted accounting standards. Contractor shall follow standard state and federal requirements and regulations pertaining to reporting.
- b. Contractor shall grant access to the City, the Natural Resources Conservation Service, the Comptroller General of the United States, or any of their duly authorized representatives to any books, documents, papers, and records which are directly pertinent to the Project for the purpose of making an audit, examination, excerpt, and transcription.
- c. Contractor shall comply with all laws relating to nondiscrimination. These include, but are not limited to: a) Titles VI and VII of the Civil Rights Act of 1964 with prohibits discrimination on the basis of race, color, or national origin; b) Title IX of the Education Amendments of 1972, as amended, which prohibits discrimination on the basis of sex; c) Section 504 of the Rehabilitation Act of 1973, as amended, which prohibits discrimination on the basis of handicaps; d) the Age Discrimination Act of 1975, as amended, which prohibits discrimination on the basis of age; e) the Drug Abuse Office and Treatment Act of 1972, as amended, relating to the nondiscrimination on the basis of drug abuse; f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment, and Rehabilitation Act of 1970, as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; g) Sections 523 and 527 of the Public Health Service Act of 1912, as amended, relating to the confidentiality of alcohol and drug abuse patient records; h) Title VIII of the Civil Rights Act of 1968, as amended, relating to nondiscrimination in the sale, rental, or financing of houses; i) the Civil Rights Restoration Act of 1987 (Public Law 100-259); j) the Americans with Disabilities Act of 1990; and k) any other nondiscrimination provision in the specific statute(s) under which application for Federal assistance is being made.
- d. By signing below, the undersigned representative of Contractor, for himself and on behalf of Contractor, hereby certifies that Contractor is in compliance with the nondiscrimination provisions of the Americans with Disabilities Act.
- e. Contractor shall comply with the provisions of the Hatch Act and all other laws which limit the political activities of employees whose principal employment activities are funded in whole or in part with federal funds.
- f. Contractor shall comply with environmental standards which may be prescribed including pursuant to the following: a) institution of environmental quality measures under the National Environmental Policy Act of 1969 and Executive Order (EO) 11514; b) notification of violating facilities pursuant to EO 11738; c) protection of wetlands pursuant to EO 11990; d) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the

Clean Air Act of 1955, as amended; e) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended; f) protection of endangered species under the Endangered Species Act of 1973, as amended; g) Section 508 of the Clean Water Act and EO 11738; and, h) Environmental Protection Agency regulations (40 CFR part 15).

- g. Contractor shall comply with federal requirements relating to the identification and protection of historic properties, including without limitation, Section 106 Section 106 of the National Historic Preservation Act of 1966, as amended, EO 11593 (Identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974.
- h. Contractor shall comply with all federal requirements relating to equal opportunity employment, including without limitation 7 Code of Federal Regulations (CFR) 3015.184 Equal Employment Opportunity, and EO 11246 as amended by EO 11375 and supplemented in the Department of Labor regulations (41 CFR Chapter 60).
- i. Contractor shall comply with all federal standards relating to federally-assisted construction projects, including without limitation as applicable, the provisions of: the Davis-Bacon Act as supplemented by Department of Labor regulations (29 CFR Part 5); the Copeland "Anti-Kickback" Act as supplemented by Department of Labor regulations (29 CFR Part 3); and Sections 103 and 107 of the Contract Work Hours and Safety Standards Act as supplemented by Department of Labor regulations (29 CFR Part 5); all regarding standards for federally-assisted construction projects.
- j. Any contract related to the Project or the Work between Contractor and a supplier or Subcontractor or a Subcontractor and another subcontractor or supplier must provide that each party is liable to the City for liquidated damages in the amount of one percent (1%) of the largest contract related to the Project or the Work to which it is a party, if the party causes a material breach of this Agreement or other Contract Documents between City and Contractor as a result of any failure to comply with the requirements of NRS 338.0117(1)(a) to (e).
- k. Contractor agrees to give preference to veterans and citizens of the State of Nevada pursuant to NRS 338.130 or other pertinent section of Nevada law with respect to employment of persons for performance of the Work under this Agreement. Any failure or refusal by Contractor to comply with the provisions of NRS 338.130 shall render this Agreement void at the option of the City and in compliance with law.
- I. Pursuant to NRS 338.125, in connection with the performance of Work under this Agreement, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, sexual orientation, gender identity or expression, or age, including, without limitation, with regard to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including, without limitation, apprenticeship. The Contractor further agrees to insert this provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials. Any violation of this provision by a contractor constitutes a material breach of this Agreement.
- m. The Contractor shall comply with all aspects of Nevada Administrative Code 607.650, Senate Bill 207 Apprenticeship Utilization Act, Effective January 2, 2020.
 - n. The Contractor shall pay all sales, consumer, use and other similar taxes required by law.
- o. Contractor shall comply with all other applicable laws, ordinances, and regulations as may pertain to the Work or the Project.

35. Prevailing Wages.

- a. Contractor shall be responsible for complying with all rules and regulations applying to "public works" and prevailing wages including, without limitation, all rules and regulations relating to reports, wages and employment practices. Contractor and all Subcontractors shall be bound by and comply with all federal, state and local laws regarding minimum wages, overtime work, hiring and discrimination, including without limitation NRS 338.020 et seq. Contractor shall ensure that all employees associated with the Project are paid in accordance with current prevailing wage rates as approved by the state labor commissioner, whenever the actual value of the contract totals \$100,000 or more. To the maximum extent allowed by law, Contractor shall indemnify and hold harmless the City for any failure by Contractor or any Subcontractor to comply with any federal or state law including all prevailing wage laws.
- b. Contractor is responsible to identify and use the correct prevailing wage rates, including any addenda, as well as all the forms needed to comply, as specified on the State of Nevada Labor Commissioner's website: www.labor.nv.gov or by calling (702) 486-2650. All work necessary to be performed after regular working hours, on Sundays or legal holidays, shall be performed without additional expense to the District.
- c. In accordance with NRS 338.013, the Contractor shall report to the Labor Commissioner and the City, the name and address of each Subcontractor performing Work on the Project within ten (10) days after the Subcontractor commences Work and the identifying public works project number for the public work.
- d. The Contractor shall comply with the requirements of NRS 338.020 and post in a generally visible place to the workmen, the Nevada Prevailing Wage Rates and any changes thereto.
- e. Pursuant to NRS 338.070, on any public work contract awarded for more than \$100,000, the Contractor and each Subcontractor are required to keep an accurate record showing the name, the occupation and the actual per diem, wages and benefits paid to each workman employed by it in connection with the public work. The Contractor and each Subcontractor are required to submit a copy of the record for each calendar month to the City no later than 15 calendar days after the end of the month for the purposes of public inspection. Contractor shall be responsible for coordinating the submittal of all the certified payroll reports for the Project, including its reports and the reports of all the Subcontractors who are performing Work on the Project. A Contractor shall not withhold from a Subcontractor the sums necessary to cover any penalties withheld from the Contractor by the City because the Contractor failed to submit certified payroll reports within 15 calendar days after the end of the month if the Subcontractor provided certified payroll reports to the Contractor within 10 calendar days after the end of the month or the date agreed upon by the Contractor and the Subcontractor. The Contractor shall submit the City's copy of its certified payroll and the certified payroll of each of its Subcontractors performing Work on the Project, to the following:

City of Mesquite Attention: Public Works Department 10 E. Mesquite Blvd. Mesquite, NV 89027 (702) 346 – 5295

The reports will be available for public viewing at the City offices.

36. <u>Prohibition of Assignment</u>. Neither the Contractor nor the City shall sell, transfer, assign or otherwise dispose of the obligations associated with the Contract Documents or any portion thereof, or any right, title or interest therein, or obligations thereunder, without the written consent of the other party.

- 37. <u>Severability</u>. In the event any portion of this Agreement is declared by any court of competent jurisdiction to be invalid, illegal, or unenforceable, such portion shall be deemed severed from this Agreement, and the remaining parts of the Agreement, including without limitation the remaining parts of the paragraph of which the invalid, illegal or unenforceable portion was a part, shall remain in full force and effect as fully as though such invalid, illegal, or unenforceable portion had never been part of this Agreement. The parties further agree to replace any such invalid illegal or unenforceable portion with a valid and enforceable provision which will achieve, to the extent possible, the economic, business and other purposes of the invalid, illegal or unenforceable portion
- 38. <u>Warranty of Capacity to Execute Agreement</u>. Each of the undersigned parties hereto respectively represents and warrants that each has the right and full authority to execute this Agreement and to give and receive the consideration provided hereunder.
- 39. <u>Waiver</u>. Neither the failure of any party to insist upon the timely or full performance of any of the terms and conditions of this Agreement, nor the waiver of any breach of any of the terms and conditions of this Agreement, shall be construed as thereafter waiving any such terms and conditions, but these shall continue and remain in full force and effect as if no such forbearance or waiver had occurred.
- 40. <u>Entire Agreement</u>. This Agreement and the other Contract Documents are intended by the parties to be the final expression of their agreement and constitute the entire and exclusive understanding and agreement between the parties regarding this subject matter. This Agreement and the Contract Documents supersede any previous negotiations, offers, counteroffers, agreements, or representations that may have been communicated or executed by the parties. Any and all such previous offers, agreements, etc. are hereby terminated and canceled in their entirety.
- 41. <u>Mutually Drafted</u>. The parties stipulate and agree that all parties have jointly participated in the negotiation and drafting of this Agreement upon advice of their own, independent counsel or that they have had the opportunity to do so, and this Agreement shall be construed fairly and equally as to all parties as if drafted jointly by them. The parties hereby irrevocably waive the benefit of any rule of contract construction which disfavors the drafter of an agreement.
- 42. <u>Governing Law and Venue</u>. The laws of the State of Nevada shall govern this Agreement. Jurisdiction and venue for any action concerning this Agreement shall be solely and exclusively in Clark County, Nevada.
- 43. <u>Attorney's Fees</u>. In the event of any litigation or other proceedings between the parties concerning this Agreement, the prevailing party shall be entitled to the payment by the non-prevailing party of all of its reasonable attorneys' fees, court costs, and litigation expenses.
- 44. <u>Notice and Communication</u>. All notices and communications required, permitted, or convenient in connection with this Agreement and between the parties shall be in writing and shall be deemed to have been given three business days after the date when mailed by registered or certified mail or the next business day if sent by reputable overnight delivery, to the addresses provided below (if Contractor does not provide an address below, Contractor's address shall be the address shown on any of Contractor's Bid documents):

| Contractor: | |
|-------------|-------------------------------|
| | |
| | |
| The City: | City of Mesquite |
| | Attn: Public Works Department |
| | 10 E. Mesquite Blvd. |
| | Mesquite, Nevada 89027 |
| | Phone 702-346-5295 |

- 45. <u>Modification</u>. This Agreement may only be amended or modified by written instrument executed by all parties to this Agreement.
- 46. <u>Non-Reliance</u>. The parties represent that they have both read and comprehend the terms of this Agreement and that they execute the same freely and voluntarily with full knowledge as to its legal effects and consequences, and do so after consulting with competent legal counsel.

| CONTRACTOR | OWNER | | | | |
|---|------------------|------|--|--|--|
| Print Full Name of Contractor/Company | City of Mesquite | Date | | | |
| Signature of Authorized Representative Date | _ | | | | |
| Print Name and Title | _ | | | | |

CERTIFICATE OF CONTRACTOR'S AUTHORITY

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

I, the undersigned, hereby certify the following:

- I am a duly appointed officer or manager of the Company identified below, which is referred to as "Contractor" in the foregoing Agreement.
- The individual representative who signed the Agreement on behalf of the Company holds the title stated next to the representative's printed name and such representative has been duly vested with authority to make and sign contracts, such as the Agreement, on behalf of the Company.
- The representative had the express authority of the Company to sign the Agreement on behalf of the Company and to fully bind the Company to all terms of the Agreement including all associated Contract Documents.

| Print Full Name of Company | |
|----------------------------|------|
| Signature | Date |
| Print Name and Title | |

PERFORMANCE BOND

| Date (must not be prior to date of the Agreement | :): |
|---|--|
| Contractor: | |
| Surety Company: | |
| Penal Sum of Bond: | |
| Company, as Surety, are hereby held and firmly be event suit is brought upon this Bond a reasonable amount, fees, and costs we hereby jointly and some Mesquite guaranteeing Contractor's (including and of all of Contractor's obligations arising from Cont | e above identified Contractor, as Principal, and the above identified Surety cound unto the City of Mesquite in the penal sum stated above, and in the attorney's fee and costs to be fixed by the court, the payment of said penal everally bind ourselves, our successors and assigns to make to the City only agents and subcontractors of Contractor) true and faithful performance ractor's Agreement with the City of Mesquite to perform all work associated attached hereto a copy of the Agreement and associated documents which |
| terms, conditions, and agreements of said Agreemay be granted by the City, with or without notice under such Agreement, and shall fully indemnify by reason of any failure by Contractor to do so an may incur in making good any default, then this calterations in the work to be performed shall ope | ractor truly and faithfully performs all of its duties, undertakings, covenants ement during the original term thereof, and any extensions thereof which to the Surety, and if Contractor shall satisfy all claims and demands incurred and save harmless the City from all costs and damages which it may suffer dishall reimburse and repay the City all outlays and expenses which the City obligation shall be void; otherwise it shall remain in full force and effect. No rate to release Contractor or Surety of the obligations under this Bond. Intractor shall abridge the right of any beneficiary hereunder, whose claim ety companies executing bonds must appear on the Treasury Department's |
| | be authorized to transact business in the state where the project is located |
| CONTRACTOR | SURETY COMPANY |
| Contractor's Authorized Signature | Surety's Authorized Signature |
| Print Name and Title | Print Name and Title |

LABOR AND MATERIAL PAYMENT BOND

| Date (must not be prior to date of the Agreement): | |
|---|--|
| Contractor: | |
| Surety Company: | |
| Penal Sum of Bond: | |
| Company, as Surety, are hereby held and firmly bound unevent suit is brought upon this bond a reasonable attorney amount, fees, and costs we hereby jointly and severally Mesquite guaranteeing Contractor's (including any agents of all of Contractor's obligations associated with paying for | identified Contractor, as Principal, and the above identified Surety ato the City of Mesquite in the penal sum stated above, and in the responsibility of See and costs to be fixed by the court, the payment of said penal bind ourselves, our successors and assigns to make to the City of and subcontractors of Contractor) true and faithful performance or all labor and materials associated with Contractor's Agreement identified Project. Contractor has attached hereto a copy of the part hereof. |
| terms, conditions, and agreements of said Agreement assorthe original term thereof, and any extensions thereof which and if Contractor shall satisfy all claims and demands in materials, and shall fully indemnify and save harmless the any failure by Contractor to do so and shall reimburse and in making good any default for the same, then this obligated | ally and faithfully performs all of its duties, undertakings, covenants, ociated with paying for all labor and materials of the Project during the may be granted by the City, with or without notice to the Surety, curred under such Agreement related to payment for labor and a City from all costs and damages which it may suffer by reason of d repay the City all outlays and expenses which the City may incurtion shall be void; otherwise it shall remain in full force and effect. The be furnished shall operate to release Contractor or Surety of the |
| may be unsatisfied. Surety understands that surety compa | shall abridge the right of any beneficiary hereunder, whose claim anies executing bonds must appear on the Treasury Department's rized to transact business in the state where the project is located; ampliance with the foregoing. |
| CONTRACTOR | SURETY COMPANY |
| Contractor's Authorized Signature | Surety's Authorized Signature |
| Print Name and Title | Print Name and Title |

NOTICE TO PROCEED

| Contractor: | | |
|--|--|---------------------|
| Date of this Notice: | | |
| Date to Commence Work: | | _ |
| Number of Days to Complete the Project: | | |
| Required Date of Completion of the Project: | | |
| To the above identified Contractor, you are hereby notified with the terms of your Agreement with the City of Mesquit Work noted above and the Project must be completed no noted above. | te. Work should be started no later than the | Date to Commence |
| You are required to return an acknowledged copy of this No | otice to Proceed to the City of Mesquite. | |
| | | |
| | City of Mesquite 10 E. Mesquite Blvd. Mesquite, Nevada 89027 | Date |
| | | |
| ACKNOWLEDGEMENT OF R | ECEIPT OF NOTICE TO PROCEED | |
| On behalf of the above named Contractor, I hereby acknowledge stated below. | ledge that Contractor received this Notice to F | Proceed on the date |
| Contractor's Authorized Signature | Print Name and Title | |
| Date Notice to Proceed was received by Contractor | | |

CHANGE ORDER

| | | | | Order No: | |
|-----------|--|-----------------|-------------------|---------------------------|------------------|
| | | | | Date: | |
| | | | | State: Nev | ada |
| | | | | County: Clar | k |
| Own | er: The City of Mesquite | | | | |
| | | | | | |
| То Со | ontractor: | | | | <u> </u> |
| Vou : | are hereby requested to comply with the following | a changes to | the Agreement (| Contract Documents a | and plans and |
| | fications (as applicable): | g changes to | the Agreement, t | contract bocuments, a | iliu pialis aliu |
| | Attachment(s) | | | | |
| | Description of Changes | | DECREASE in | INCREASE | in |
| | (Supplemental Plans and Specifications Attached) | Bid Item | Contract Price | Contract Pr | |
| | | | \$ | \$ | |
| | | | | | |
| | | | \$ | \$ | |
| | | | \$ | \$ | |
| | | | \$ | \$ | |
| | Net Change in Contract Price | | Y | | |
| D = = = : | on for Change (a) | | | | |
| Keas | on for Change(s): | | | | |
| | | | | | |
| The a | mount of the Contract Price will be increased or de | creased by th | e sum(s) noted ab | iove. | |
| | infounces the contract thee will be indicased of de | or cased by the | e sam(s) noted as | | |
| The C | Contract Period provided for completion will be (Inc | reased) (Decr | eased) (Unchange | d) [circle one as applica | able] by |
| | days. The new completion date is therefore: | | | | |
| This o | document will become a modification to the Contra | | | | |
| | | | | | |
| | | | | | |
| Requ | ested by | | _ | | |
| | Contractor | | | Date | |
| | | | | | |
| Appr | oved | | _ | | |
| | Resident Project Representative | | | Date | |
| | | | | | |
| Annr | oved Change Order Price / Time | | | | |
| √hhι, | City of Mesquite | | – Date | | |
| | City of Micsquite | | Date | | |

TECHNICAL SPECIFICATIONS

CITY OF MESQUITE – Thomas Edison Court Roadway and Storm Drain Improvement Project Labor Commission Project Identifying Number: PWP#CL 2022-237

SPECIFICATIONS REFERENCES:

All applicable portions of the Uniform Standard Specifications for Public Works Construction, Off-site Improvements, Clark County Area, Nevada latest edition. (USSPWC) and latest revisions; and Uniform Standard Drawings for Public Works Construction 1988 Edition (USDPWC) and latest revisions. Virgin Valley Water District, Design Standards and Specifications for Water Works Construction, latest revision. Specific section numbers referenced in the following Specifications are contained within the above noted Standard Specifications and Drawings.

BID ITEM SPECIFICATIONS

BID ITEM 1: Mobilization / Demobilization

Work under this specification covers the requirements for mobilization of all equipment, manpower and associated items necessary to construct the waterline replacement portion of the project. Also under this item are all costs for demobilizing all equipment, manpower, etc. when the project is complete.

<u>Measurement and Payment</u>: The mobilization and demobilization process will be measured as a lump sum item. Payment will be made as follows:

- 50% of contract lump sum price bid when Contractor has mobilized necessary equipment, manpower and materials and has initiated work.
- · 50% upon project completion.

Payment of the lump sum price bid, shall be full compensation for all costs associated with the mobilization / demobilization process.

BID ITEM 2: Excavation and Grading

Work covered under this specification consists of furnishing all of the labor, materials, and equipment necessary for all clearing, grubbing, excavation, grading, placement and compaction of fills in fill areas and appurtenant work necessary to construct the roadways as shown on the plans to within 0.1 feet of sub-grade.

All roadway fill materials shall be placed in accordance with the Standard Specifications and geotechnical investigation.

All excavation shall be made true to the lines and grades as staked by the Engineer and shall be so constructed as to avoid removing or loosening any material outside the required slopes. The Engineer has estimated quantities as shown on the plans. The quantities shown on the plans do not account for shrinkage, subsidence, over-excavation, or other requirements that may be required by the geotechnical report. Contractor shall verify their own quantities.

<u>Measurement and payment:</u> All excavation and preparation shall be measured as a lump sum item. Payment will be made at the contract lump sum price bid and shall be full compensation for furnishing all of the labor, material and equipment necessary for all clearing, grubbing, excavation, disposing of excavated materials, import, grading and sub-base preparation required to construct the roadways as shown on the plans to within 0.1 feet of sub-grade.

BID ITEM 3: Subgrade Preparation

Work covered under this specification consists of furnishing all of the labor materials and equipment necessary to grade the roadways and concrete areas and prepare the sub-base where applicable for placement of new asphalt or concrete. Also included in this item, is all incidental grading required to tie new roadway improvement into adjacent existing grade.

Grade tolerances and construction shall conform to the requirements for roadway excavation and construction as outlined in Section 203.

<u>Measurement and Payment</u>: Sub-grade preparation shall be measured by the square foot within the area to be paved only. Payment shall be made at the contract unit price bid per square foot and shall be full compensation for all grading and sub-grade preparation required to construct the roadway and roadway appurtenances to sub-grade and tie new improvements into adjacent grade as required.

BID ITEM 4: Furnish and Install 10-inch Type II Aggregate Base

Work covered under this specification shall be in accordance with the Standard Specification (Ref. Section 302).

<u>Measurement and Payment:</u> The quantity of 10-inch Type II Aggregate Base shall be measured as a unit price per square foot within the areas to be newly paved. Payment shall be made at the contract unit price bid per square foot and shall be full payment for all labor, material and equipment required to supply the material and bring the course to grade.

BID ITEM 5: Furnish and Install 15-inch Type II Aggregate Base

Work covered under this specification shall be in accordance with the Standard Specification (Ref. Section 302).

<u>Measurement and Payment:</u> The quantity of 15-inch Type II Aggregate Base shall be measured as a unit price per square foot within the areas to be newly paved. Payment shall be made at the contract unit price bid per square foot and shall be full payment for all labor, material and equipment required to supply the material and bring the course to grade.

BID ITEM 6: Furnish and Install 5-inch Bituminous Plantmix (PG 76-22) with Fog Seal

Work covered under this specification shall be in accordance with all applicable sections of the Standard Specifications including Sections 401 through 408.

Before starting the work, the Contractor shall submit a proposed job-mix formula in writing to the City of Mesquite Engineer. The proposed job-mix formula shall be approved by Clark County and the Engineer as required in the Standard Specifications for traffic category 2. The following materials and application rates shall be used to meet the requirements for the Bituminous Plantmix Pavement Construction:

- 1. The bituminous material shall be per approved job mix formula.
- 2. The asphalt cement shall be Superpave Performance Grades (PG 76-22), per Section 703.
- 3. The prime coat shall be MC-70 Liquid Asphalt, applied per section 406. (not required)

The tack coat (if required) shall be SS-1h applied per section 405.

The fog seal shall be SS-1h or CSS-1h applied per section 407.

The bituminous mixture shall not be placed, unless approved by the Engineer if the base surface temperature is within 10°F of Table I, section 401.03.05

<u>Measurement and Payment:</u> The quantity of 5-inch Bituminous Plantmix Pavement shall be measured by the square foot. Payment shall be made at the contract unit price bid per square foot adjusted by applicable reductions, and shall be full compensation for all labor, material and equipment required to bring the Bituminous Plantmix surface to grade, including Fog Seal.

BID ITEM 7: Furnish and Install 24-inch "L Type" Curb and Gutter with Aggregate Base

Work covered under this specification includes furnishing and installing all 24-inch - L type curb and gutter as shown on the plans and as staked in the field, including aggregate base.

All work shall be in accordance with the standard drawings and specifications (reference drawing #216).

<u>Measurement and Payment:</u> The 24-inch - L type curb and gutter shall be measured in the field along the top back of the curb to the nearest one foot. Payment will be made at the contract unit price bid per linear foot and shall be full compensation for furnishing all of the labor, material and equipment necessary to render the curb and gutter complete and usable. No additional payment shall be made for the aggregate base.

BID ITEM 8: Furnish and Install Single Mast Streetlight with Standard Foundation per CCA Standard DWG#321

Work covered under this specification consists of furnishing all of the materials, labor and equipment necessary to install the streetlights as shown on the plans

Materials include, but are not limited to lighting poles and pole bases.

General - All materials and workmanship shall conform to these specifications, the applicable provisions of the Uniform Standard Specifications for Public works' Construction of Offsite Improvements, Clark County, Nevada, latest edition; the latest edition of the Uniform Standard Drawing for Public Works Construction, Clark County Area and the latest edition of the National Electrical Code.

A list of material shall be submitted to the Engineer for approval prior to ordering it for construction.

Lighting Poles - The lighting poles shall be galvanized finish and conform to Standard Drawing #314. The foundation details shall conform to Standard Drawings #321. The lighting poles for the 100-watt lights shall be provided with 8-foot arms.

<u>Measurement and Payment:</u> The streetlights shall be measured as a per each item upon completion and acceptance by the Engineer. Payment will be made at the contract unit price bid and shall be full compensation for furnishing all of the labor, material and equipment necessary to render the lighting system complete.

BID ITEM 9: Furnish and Install 8-inch Sanitary Sewer Main

Work covered under this specification shall be in accordance with the Standard Specifications and Drawings and consists of furnishing all of the labor material and equipment necessary for the construction of 8" diameter sanitary sewer pipe. Including the plugging and blocking of 8" sewer lines, as required, and as shown on the plans.

The 8" sewer pipe shall be supplied and installed by the Contractor. The sewer pipe shall be SDR 35, PVC sewer pipe meeting the requirements for PVC sewer pipe in accordance with subsection 630.02.07.

Measurement and Payment: The length of 8" sewer pipelines shall be measured as a horizontal distance from manhole to manhole, less the inside diameter of the manholes, after installation and acceptance by the Engineer, to the nearest one foot. Payment will be made at the contract unit price per lineal foot which shall be full compensation for all clearing, trenching, bedding, backfilling, installing pipeline, testing, manhole and other connections and restoration of surface improvements required to complete the work and render the sanitary sewer system usable.

BID ITEM 10: Furnish and Install 48-inch Storm Drain Manhole

Work covered under this specification shall be in accordance with the plans and standard drawings and consists of furnishing all of the labor, equipment and materials necessary for the installation of a 48-inch storm drain manhole as shown on the plans (reference standard drawing # 403). All manholes to have rim flush with ground surface.

<u>Measurement and Payment:</u> The 48-inch storm drain manhole shall be measured as a single complete item each in the field by the Engineer. Payment shall be full compensation for furnishing all of the labor, materials and equipment necessary to render the manhole safe, useable, and complete.

BID ITEM 11: Furnish and Install 6-inch Sewer Lateral

Work covered under this specification shall be in accordance with the Standard Specifications and Drawings and consists of furnishing all of the labor material and equipment necessary for the construction of 6" diameter sewer lateral pipe. Including the plugging and blocking of 8" sewer lines, as required, and as shown on the plans.

The 6" sewer lateral pipe shall be supplied and installed by the Contractor. The sewer pipe shall be SDR 35, PVC sewer pipe meeting the requirements for PVC sewer pipe in accordance with subsection 630.02.07.

<u>Measurement and Payment:</u> The length of 6" sewer lateral pipe shall be measured as a horizontal distance from manhole to manhole, less the inside diameter of the manholes, after installation and acceptance by the Engineer, to the nearest one foot. Payment will be made at the contract unit price per lineal foot which shall be full compensation for all clearing, trenching, bedding, backfilling, installing pipeline, testing, manhole and other connections and restoration of surface improvements required to complete the work and render the sanitary sewer system usable.

February, 2022

BID ITEM 12: Furnish and Install 18-inch Class V Reinforced Concrete Pipe

Work covered under this specification consists of furnishing all of the materials, labor and equipment necessary to install the reinforced concrete pipe. (Ref. Section No. 603)

<u>Materials:</u> The reinforced concrete pipe used must meet the tightly at all joints. Contractor shall install a mastic gasket at all joints. Joints and connections shall be watertight. Mastic material and installation shall be approved by the Engineer. Pipe bedding and compaction around the pipe shall be in strict compliance with the manufacturers recommendations and Clark County Standards and Specifications. All concrete used for connections shall be Class V.

<u>Measurement and Payment:</u> The installation of the 18-inch RCP shall be measured per linear foot of material installed. Payment shall be made at the contract unit price bid and shall be full compensation for all of the labor, equipment and materials necessary to install the pipe and render the storm drain system usable.

BID ITEM 13: Furnish and Install 24-inch Class V Reinforced Concrete Pipe

Work covered under this specification consists of furnishing all of the materials, labor and equipment necessary to install the reinforced concrete pipe. (Ref. Section No. 603)

<u>Materials:</u> The reinforced concrete pipe used must meet the tightly at all joints. Contractor shall install a mastic gasket at all joints. Joints and connections shall be watertight. Mastic material and installation shall be approved by the Engineer. Pipe bedding and compaction around the pipe shall be in strict compliance with the manufacturers recommendations and Clark County Standards and Specifications. All concrete used for connections shall be Class V.

<u>Measurement and Payment:</u> The installation of the 24-inch RCP shall be measured per linear foot of material installed. Payment shall be made at the contract unit price bid and shall be full compensation for all of the labor, equipment and materials necessary to install the pipe and render the storm drain system usable.

BID ITEM 14: Furnish and Install Storm Drain Manhole

Work covered under this specification shall be in accordance with the plans and standard drawings and consists of furnishing all of the labor, equipment and materials necessary for the installation of a storm drain manhole as shown on the plans (reference standard drawing # 403). All manholes to have rim flush with ground surface.

<u>Measurement and Payment:</u> The storm drain manhole shall be measured as a single complete item each in the field by the Engineer. Payment shall be full compensation for furnishing all of the labor, materials and equipment necessary to render the manhole safe, useable, and complete.

BID ITEM 15: Furnish Traffic Control Signs, Barricades and Flagging Services

Work covered under this specification consists of furnishing all of the labor, installation of materials and equipment necessary to provide traffic control during construction.

The Contractor shall maintain residential access at all times unless otherwise approved by the Engineer. Flaggers shall be provided when interference with normal traffic flow is expected and/or to provide safe residential movement within the construction zone.

Night time work zone traffic control will be required on this project and will need to follow design as per M.U.T.C.D. specifications.

Installation and location of all signs and barricades shall be in accordance with the Manual of Uniform Traffic Control Devices and the Standard Plans and Specifications or as directed by the Engineer. A traffic control plan shall be provided and submitted to the Engineer for approval prior to any construction.

<u>Measurement and Payment:</u> The traffic control, signs, barricades, and flagging services shall be measured as a lump sum item upon completion and acceptance by the Engineer. Payment will be made at the contract lump sum price bid and shall be full compensation for furnishing all of the labor, material and equipment necessary to furnish the traffic control signs and barricades and flagging services.

BID ITEM 16: Furnish and Install 4 inch Thick Concrete Flatwork for Sidewalks with Base

Work covered under this specification shall be in accordance with the plans and Standard Drawings and consists of furnishing all of the labor, equipment and materials necessary for the installation of all sidewalk, radius flatwork, and handicap ramps as shown on the plans, including 5 inch aggregate base.

All work shall be in accordance with the standard drawings and specifications (reference drawing #234).

<u>Measurement and Payment:</u> The 4-inch concrete flat work for sidewalk, and radius flatwork including the aggregate base shall be measured in the field by the Engineer to the nearest square foot. Payment shall be full compensation for furnishing all of the labor, material and equipment necessary to render the sidewalk complete and useable. No additional payment shall be made for the aggregate base.

BID ITEM 17: Furnish and Install 8-inch Water Main including valves, bends, temporary blow-offs and air vac

Work under this specification covers the requirements for furnishing and installing the 8-inch diameter ductile iron culinary water line including connecting to exiting mains, thrust blocks, pipe, and fittings as shown on the plans as directed by the Engineer.

Materials: All materials shall be Ductile Iron Pipe and fittings meeting the latest edition of ANSI A21.120 (AWWA C-110), ANSI A21-15 (AWWA C-115) and ANSI A21.51 (AWWA C-151) specifications.

Requirements for trench excavation bedding the pipe, backfill and compaction shall be as defined in the Virgin Valley Water District Construction Standards.

Testing and Disinfection: The 8-inch water line shall be tested and disinfected according to the requirements of the Virgin Valley Water District Construction Standards.

The pipe shall be located and constructed as shown on the plans, drawings and standard specifications and as staked in the field.

Measurement and Payment: Payment for installing the 8-inch ductile iron culinary water line shall be at the unit price bid. Measurement for payment shall be on the basis of actual field measurement of pipe installed with no deduct in length for valves and fittings. Payment per foot of pipeline shall be full compensation for furnishing and installing all pipe, and fittings, complete with bedding (including import of selected material in the event native materials are not satisfactory for proper bedding), removal and disposal of excess excavated materials, backfilling and compaction, pressure testing, flushing, disinfecting, thrust blocking connecting to existing water line and placing the line into service.

BID ITEM 18: Furnish and Install 2-inch Water Service Lateral

Work covered under this specification covers the requirements for furnishing the materials and installing all 2-inch service laterals including 4-inch PVC, C-900 sleeve.

The Contractor is responsible for notifying all affected customers and coordinating with Virgin Valley Water District and all affected water users at least 48 hours prior to their water service being disrupted.

The 2-inch service laterals shall be installed in accordance with Virgin Valley Water District Standard Drawing Number 3. In addition all 2-inch laterals shall be installed inside of a 4-inch, PVC C-900 sleeve which extends from 1-foot away from the corp. stop to the meter box.

<u>Measurement and Payment:</u> The 2-inch service laterals shall be measured to the nearest linear foot after installation and acceptance by the Virgin Valley Water District. Payment shall be made at the unit price bid per linear foot and shall be full compensation for all labor materials and equipment necessary to complete the service lateral and render it usable.

BID ITEM 19: Furnish and Install Fire Hydrants, Laterals and Valves

Work covered under this specification covers the requirements for furnishing and installing fire hydrants and assemblies, consisting of hydrant, thrust blocks, lateral and, valve and box at the main. The hydrant and assemblies shall consist of materials and be installed and painted in accordance with local Fire Department requirements. All pipe sections for the hydrant to be flanged.

All hydrants and assembly's shall be supplied and installed in accordance with Virgin Valley Water District Standard Drawing #8.0.

The fire hydrants shall be located and constructed as shown on the plans and as staked in the field.

<u>Measurement and Payment:</u> Each fire hydrant shall be measured as (1) one separate unit after installation and acceptance by the Engineer. Payment shall be made at the contract unit price bid per each. This shall be full compensation for all excavation, furnishing materials, backfilling, testing, and pipeline connections to render the fire hydrant usable.

BID ITEM 20: Furnish and Install Pavement Markings & Signs

Work under this specification covers the requirements for painting the lane striping, traffic movement markings and curb markings as shown on the plans.

Work shall be in accordance with the standard specifications and drawings and the latest edition of the Manual of Uniform Traffic control Devices

Materials: Traffic Paint for longitudinal lines shall <u>Rapid Dry Waterborne Paint – Type II</u>, or equal, and be listed on Nevada Department of Transportation (NDOT) Qualified Products List (QPL). Pavement markings for cross walks, stop bars, and symbols shall be <u>Thermoplastic Pavement Marking</u> material, or equal, and be listed on NDOT QPL. See <u>www.nevadadot.com</u>; select "Doing Business," then "Contractors."

<u>Measurement and Payment:</u> The quantity of traffic striping and markings for this project shall be measured as A <u>Lump Sum</u> item after completion and acceptance by the city of Mesquite, Payment shall be made at the contract Lump Sum price bid and shall be full compensation for all labor, materials and equipment necessary to complete striping and markings.

BID ITEM 21: Furnish and Install Beehive Storm Drain Drop Inlet

Work covered under this specification consists of furnishing and installing storm drain drop inlets and furnishing all the labor, material, and equipment necessary for the excavation, the installation and backfilling for all required Beehive drop inlets as shown on the drawings or as directed by the Engineer.

The Beehive (reference standard drawing # 416) drop inlets shall be supplied and installed by the Contractor. Materials and installation shall be in accordance with the Drawings and Standard Specifications. The location of the drop inlets shall be as shown on the drawings and as staked in the field by the Engineer.

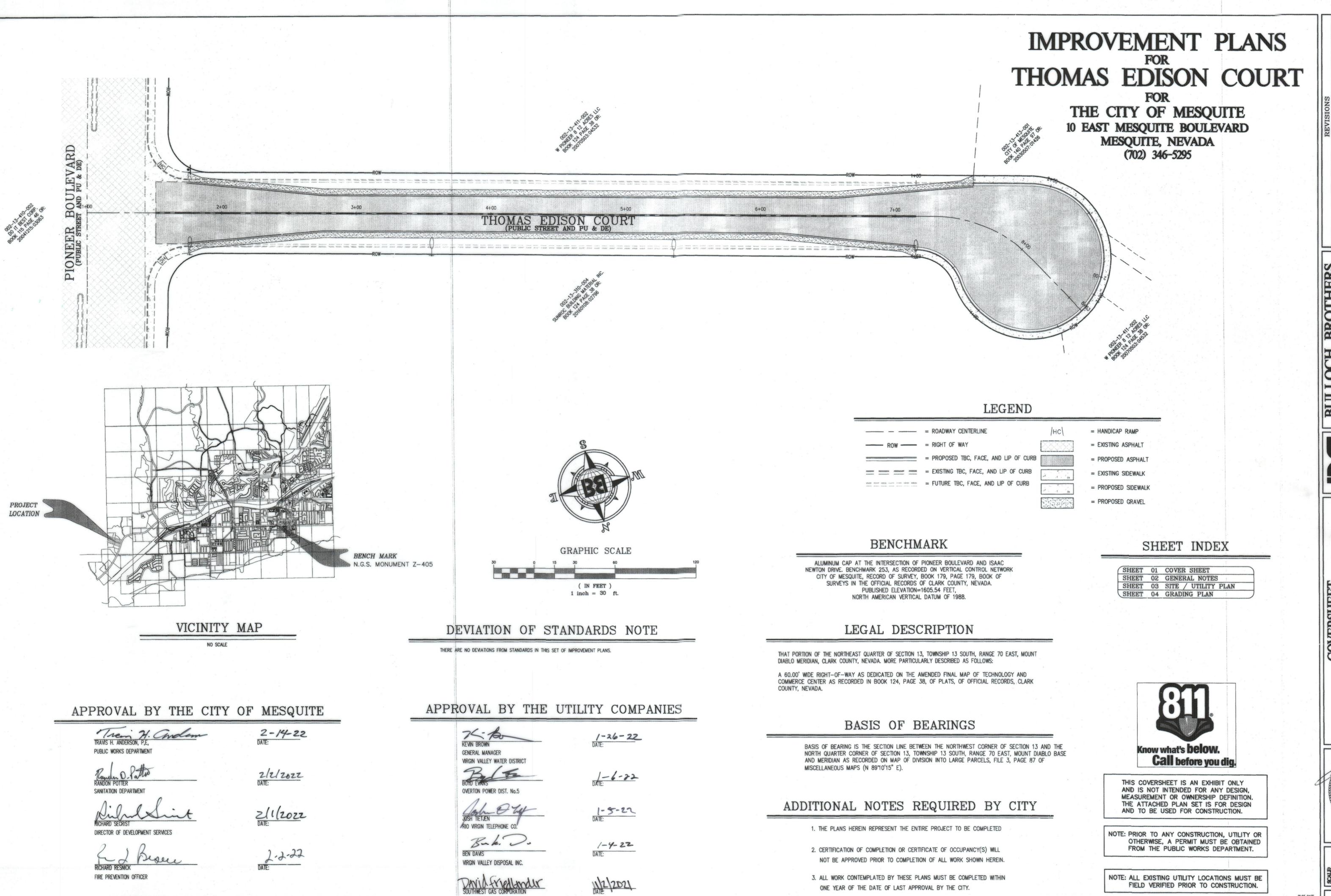
<u>Measurement and Payment:</u> Each drop inlet shall be measured as one separate unit, after installation and acceptance by the Engineer. Payment shall be made at the contract unit price bid per drop inlet. This shall be full compensation for all excavation, finishing and installing materials, foundation preparation, backfilling, testing and pipeline connections required to complete the work and render the Beehive Drop Inlet useable.

PERMIT MATRIX

The following matrix identifies typical permits required for the City of Mesquite, Clark County, State of Nevada to permit the Contractor to work within the Right-of-Way, or conform to environmental requirements. Contactor shall be responsible to obtain all applicable city and other permits prior to beginning work. In addition to the county or state required permits identified by these Contract Documents, the Contractor shall ascertain and obtain additional permits required. If applicable, copies of the permits obtained by the District are included in the Contract Documents. The Contractor shall be responsible for compliance with all permits, terms, and conditions. The Contractor shall confirm the fee of all permits required of the Contractor.

| | City of Mesquite – Thomas Edison Court Roadway and Storm Drain Improvement Project Permit / Agency Requirements Summary | | | | | | | |
|---|--|---|--|-----------------------------------|----------------------|------------------|-----------------------|--|
| Issuing Agency | Permit Type | Regulated Activity | Responsible Party / Application Schedule | Approximate Processing Time | Estimate Fee (\$) | Remarks / Status | Schedule | |
| City of Mesquite, Development Services | Grading Permit | Required for Construction, excavation, installation, or occupancy within City right-ofway | Contractor – After Notice to Proceed | 7 – 10 business Days | None | | Start of Construction | |
| City of Mesquite, Public Works Department | Off-Site Encroachment Permit | Required for off-site construction, or encroachment within public easements | Contractor – After Notice to Proceed | 2 - 3 business days | None | | Start of Construction | |
| City of Mesquite, Public Works Department | Excavation, Utilities, Construction Permit | Required for Utility Construction | Contractor – After Notice to Proceed | 2 - 3 business days | None | | Start of Construction | |
| Clark County Health District | Dust Control Permit | Required for dust emissions from construction, grading and trenching for any soil disturbance of 1/4 acre or more | Contractor – after Notice to Proceed | 7 – 10 business days | \$90.00 per acre | | Start of Construction | |
| | | | | | | | | |
| | | | | | | | | |

¹ Responsible party refers to party obtaining permit only. Contractor shall be responsible for compliance with all permits, terms and conditions.



4. SHOULD THE WORK NOT BE COMPLETED THE PLANS MUST BE RESUBMITTED

FOR REVIEW AND RE-APPROVAL.

THOMAS EDISON COURT MESQUITE

90% SUBMIT

100% SUBMITTAL-1 SUBMITTAL-2

CITY OF MESQUITE GENERAL NOTES

- 1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN STRICT CONFORMANCE TO THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", 1986 (AS REVISED), AND THE LATEST REVISION OF THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, OFF SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", (C.C.A.S.D.), AND THE NEVADA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.
- 2. ALL DIMENSIONS ARE TO THE BACK-OF-CURB UNLESS OTHERWISE NOTED.
- 3. THE EXACT LOCATIONS OF SAW CUT LINES MAY BE DETERMINED IN THE FIELD BY THE CITY OF MESQUITE.
- 4. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK-1985" AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES—CURRENT EDITION".
- 5. CURB AND GUTTER, WITH A GRADE LESS THAN FOUR—TENTHS OF ONE PERCENT, SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
- 6. ALL CEMENT SHALL BE TYPE V.
- 7. THE TBC SHALL BE 0.50' HIGHER THAN FINISH GRADE UNLESS OTHERWISE NOTED.
- 8. ALL WORK DONE WITHIN THE PUBLIC RIGHT-OF-WAY AND OUTSIDE OF THE PROJECT BOUNDARIES WILL REQUIRE A SEPARATE ENCROACHMENT PERMIT ISSUED BY THE CITY OF MESQUITE. TRENCH AND PAVEMENT REPLACEMENT CONDITIONS WILL BE IN CONFORMANCE WITH THE PERMIT.
- 9. ALL EXISTING CONSTRUCTION, TO BE MET BY NEW CONSTRUCTION, SHALL BE FIELD VERIFIED FOR VERTICAL AND HORIZONTAL LOCATIONS BEFORE THE START OF DEPENDENT NEW CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY OF EXISTING CONDITIONS FROM THOSE SHOWN ON THE PLANS BEFORE THE START OF THE NEW CONSTRUCTION SO THAT ANY CHANGES WHICH MAY BE REQUIRED CAN BE MADE.
- 10. ANY ERRORS OR DISCREPANCIES IN THE PLANS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. ERRORS OR DISCREPANCIES DISCOVERED AFTER THE COMMENCEMENT OF CONSTRUCTION, SHALL ALSO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER. IT IS THE CONTRACTORS RESPONSIBILITY TO REPORT SUCH ERRORS OR DISCREPANCIES UPON DISCOVERY. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO RESOLVE SUCH ERRORS OR DISCREPANCIES WITH THE CONCURRENCE OF HIS CLIENT AND WITH THE APPROVAL OF THE CITY ENGINEER.
- 11. ALL CLEARING AND GRADING WORK SHALL BE IN STRICT CONFORMANCE WITH THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL INVESTIGATIONS REPORT GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC. PROJECT NUMBER 4030—2100011. DATED 02—19—2021
- 12. THE CONTRACTOR(S) SHALL REVIEW THE ABOVE MENTIONED PLANS & SPECIFICATIONS PRIOR TO STARTING BIDDING & WORK.
- 13. ALL WORK, WITHIN THE PUBLIC RIGHT-OF-WAY AND EASEMENTS, SHALL BE WARRANTED BY THE CONTRACTOR(S) FOR ONE YEAR FROM DATE OF FINAL APPROVAL.
- 14. CALL 811 AT LEAST TWO WORKING DAYS BEFORE YOU DIG. THE CONTRACTOR IS TO NOTIFY UNDERGROUND SERVICE ALERT. EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.
- 15. DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALING.
- 16. ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON NAVD 1988, NGS MONUMENT Z-405, ELEVATION 1598.49, AT THE TOP OF THE STAINLESS STEEL ROD IN CASING SET BELOW GROUND AT THE SOUTHEAST CORNER OF LDS CHURCH PROPERTY, ON THE NORTH SIDE OF MESQUITE BOULEVARD, THE WEST SIDE OF TOWN WASH.
- 17. SIDEWALK EXPANSION JOINTS SHOWN ON UNIFORM STANDARD DRAWING #234 SHALL BE MODIFIED TO CONFORM WITH SPECIFICATIONS MANDATED BY THE CITY OF MESQUITE IN A LETTER DATED JULY 30, 1997: SIDEWALK EXPANSION JOINTS SHALL BE CONSTRUCTED AT 15' INTERVALS WHEN USING THE STANDARD 1/2" FELT MATERIAL; OR, AS AN ALTERNATIVE, SIDEWALK JOINTS MAY BE CONSTRUCTED AT 30' INTERVALS WHEN AN APPROVED ELASTOMERIC SEALANT MATERIAL IS USED.
- 18. THE CONTRACTOR SHALL COORDINATE A PRE—CONSTRUCTION MEETING INVOLVING THE POWER COMPANY, THE TELEPHONE COMPANY(S), AND THE CABLE COMPANY(S), WHILE ALSO INVITING THE PUBLIC WORKS DEPARTMENT FROM THE CITY OF MESQUITE, TO DETERMINE UTILITY LINES, JUNCTION BOXES AND TRANSFORMER LOCATIONS, AND EASEMENTS.

REV. 08-18-05

OVERTON POWER DISTRICT NOTES

- 1. A FIVE—FOOT BUFFER OF DESERT LANDSCAPING SHALL SURROUND EACH VAULT AND EQUIPMENT PAD. IRRIGATION SHALL BE DIRECTED AWAY FROM SUCH FACILITIES. THIS ALSO INCLUDES POLES, ANCHORS, GUYS, SECONDARY PEDESTALS, ETC.
- 2. TRANSFORMER PADS AND SWITCH PADS SHALL BE INSTALLED ABOVE FINISHED GRADE. A RETAINING WALL WILL BE REQUIRED IF GRADE EXCEEDS 1 FOOT IN 3 FEET. RETAINING WALL CLEARANCES FROM EQUIPMENT ARE IDENTIFIED IN O.P.D. SPEC BOOK.
- SECONDARY VAULTS —A RETAINING WALL SHALL BE INSTALLED IF GRADE OR SLOPE EXCEEDS 1 FOOT IN 3 FEET..
- 4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE O.P.D. SPEC BOOK, WHICH CAN BE FOUND AT WWW.OPD5.COM OR AT ONE OF THE DISTRICT'S OFFICES: 731 SOUTH TURTLEBACK ROAD, MESQUITE, NV OR AT 615 NORTH MOAPA VALLEY BOULEVARD, OVERTON, NV.

REV. 03-05-2008

VIRGIN VALLEY WATER DISTRICT NOTES

- ALL WATER SYSTEM DESIGN, CONSTRUCTION, USE, AND OPERATION SHALL CONFORM TO THE VIRGIN VALLEY WATER DISTRICT'S DESIGN STANDARDS AND SPECIFICATIONS; THE DISTRICT'S RULES, REGULATIONS AND RATES; AND APPLICABLE LAWS.
- 2. THE LOCATION OF THE WATER SERVICE LATERAL WHERE IT PASSES UNDER THE CURB SHALL BE MARKED AND IDENTIFIED BY INSCRIBING A "W" IN THE TOP OF THE CURB OR BY INSERTING A BRASS TAG MARKED "W" IN THE TOP OF THE CURB. SERVICES SHALL BE SHOWN ON RECORD DRAWINGS. THE WATER SERVICE LATERALS SHALL BE PLACED NO MORE THAN 5 FEET AND NO LESS THAN 1 FOOT FROM THE ADJACENT PROPERTY LINE UNLESS APPROVED IN WRITING BY THE VIRGIN VALLEY WATER DISTRICT.
- 3. DISTRIBUTION WATER MAINS SHALL BE INSTALLED WITH A MINIMUM 42-INCHES COVER BELOW FINISHED GRADE EXCEPT WHERE INDICATED OTHERWISE ON THE PLANS WITH SPECIFIC PROPOSED COVER SHOWN AND APPROVED IN WRITING BY THE VIRGIN VALLEY WATER DISTRICT.
- 4. BEFORE MAKING ANY CONNECTION TO AN EXISTING WATER MAIN OR TAKING ANY OTHER ACTION THAT WILL INTERRUPT EXISTING WATER SERVICE, THE PROPERTY OWNER, DEVELOPER, OR CONTRACTOR SHALL FIRST OBTAIN WRITTEN APPROVAL FROM THE VIRGIN VALLEY WATER DISTRICT. ANY REQUESTS FOR APPROVAL OF SERVICE INTERRUPTIONS MUST BE MADE AT LEAST 48 HOURS BEFORE MAKING THE DESIRED CONNECTIONS. ANY NECESSARY INTERRUPTION IN EXISTING WATER SERVICE SHALL BE DURING THE TIME OF LEAST INCONVENIENCE TO THE DISTRICT'S CUSTOMERS. NO INTERRUPTION OF SERVICE SHALL BE FOR MORE THAN FOUR (4) HOURS DURING ANY 24—HOUR PERIOD. AT LEAST 48 HOURS IN ADVANCE, THE OWNER, DEVELOPER, OR CONTRACTOR SHALL ALSO NOTIFY ALL DISTRICT CUSTOMERS WHO WILL BE AFFECTED BY ANY SERVICE INTERRUPTION.
- 5. APPROVAL OF THE VIRGIN VALLEY WATER DISTRICT SHALL BE OBTAINED FOR ANY TEMPORARY CONSTRUCTION WATER USE FROM AN EXISTING FIRE HYDRANT. IN ORDER TO OBTAIN APPROVAL FOR TEMPORARY CONSTRUCTION WATER USE, AN APPLICATION MUST BE SUBMITTED TO THE OFFICE OF THE VIRGIN VALLEY WATER DISTRICT IN ACCORDANCE WITH THE DISTRICT'S RULES, REGULATIONS & RATES. ANY UNAUTHORIZED USE OF OR CONNECTION TO THE DISTRICT'S WATER SYSTEM CONSTITUTES AN IMPROPER AND ILLEGAL USE OF WATER SERVICE AND SHALL SUBJECT THE UNAUTHORIZED USER TO ALL REMEDIES, FINES, AND PENALTIES PROVIDED UNDER VIRGIN VALLEY WATER DISTRICT ORDINANCE NO. 1; THE DISTRICT'S RULES, REGULATIONS & RATES; AND AS OTHERWISE PERMITTED BY LAW. IF A CONNECTION TO A PRIVATE FIRE HYDRANT IS REQUESTED, APPROVAL FROM THE RESPECTIVE HOA OR ENTITY THAT OWNS THE PRIVATE FIRE HYDRANT MUST BE OBTAINED PER SECTION 10 OF THE DISTRICT'S DESIGN STANDARDS AND SPECIFICATIONS BEFORE A HYDRANT METER WILL BE INSTALLED.
- 6. NO EXCAVATION SHALL BE PERFORMED PRIOR TO THE MARKING IN THE FIELD OF ALL BURIED WATER INFRASTRUCTURE. THE OWNER, DEVELOPER, OR CONTRACTOR SHALL NOTIFY THE VIRGIN VALLEY WATER DISTRICT AT (702) 346-5731 AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATING SO THAT BURIED WATER INFRASTRUCTURE CAN BE MARKED.
- 7. THE OWNER, DEVELOPER, OR CONTRACTOR SHALL CONFIRM BY FIELD MEASUREMENT AND BY EXCAVATION EXPLORATION THE LOCATION AND ELEVATION OF ALL EXISTING WATER FACILITIES AND INFRASTRUCTURE.
- 8. THE OWNER, DEVELOPER, AND CONTRACTOR HEREBY CERTIFY THAT THE EXISTENCE AND LOCATION OF WATER FACILITIES AS SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF THEIR AND THE DESIGN ENGINEER'S KNOWLEDGE, THE EXISTING WATER FACILITIES AND INFRASTRUCTURE ARE AS SHOWN ON THESE PLANS. THE VIRGIN VALLEY WATER DISTRICT SHALL NOT BE RESPONSIBLE FOR ANY ERROR IN THE IDENTIFIED OR ACTUAL LOCATION AND ELEVATION OF THE EXISTING WATER FACILITIES AND INFRASTRUCTURE.
- 9. NO REVISIONS SHALL BE MADE TO THE WATER SYSTEM SHOWN ON THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE VIRGIN VALLEY WATER DISTRICT. PROPOSED DESIGN REVISIONS TO THESE PLANS MUST BE SUBMITTED IN DUPLICATE FOR DISTRICT APPROVAL IN ACCORDANCE WITH THE DISTRICT'S DESIGN STANDARDS AND SPECIFICATIONS NO LATER THAN 14 DAYS PRIOR TO COMMENCING CONSTRUCTION.
- 10. ANY REQUEST FOR INSPECTION (INTERMEDIATE AND/OR FINAL) MUST BE MADE TO THE VIRGIN VALLEY WATER DISTRICT AT LEAST 24 HOURS PRIOR TO THE TIME OF THE REQUESTED INSPECTION BY CALLING (702) 346-5731 WEEKDAYS BETWEEN 8:00 A.M. AND 4:30 P.M. OR (702) 682-1957 WEEKDAYS BETWEEN 6:30 A.M. AND 3:30 P.M. THE DISTRICT SHALL ALSO BE NOTIFIED AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- 11. PIPE DEFLECTIONS FOR SHORT RADIUS CURVES AND ANGLE POINTS SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS AND SHALL NORMALLY BE ACCOMPLISHED BY MEANS OF STANDARD FITTINGS, THE LOCATIONS OF WHICH SHALL BE DETAILED ON THE PLANS.
- 12. PRIOR TO BEING PLACED INTO SERVICE, ALL NEW WATER LINES SHALL BE PRESSURE AND BACTERIOLOGICALLY TESTED AND DISINFECTED IN ACCORDANCE WITH SECTION 9 OF THE VIRGIN VALLEY WATER DISTRICT'S DESIGN STANDARDS AND SPECIFICATIONS. ANY REQUEST FOR TESTING MUST BE MADE TO THE DISTRICT AT LEAST 24 HOURS PRIOR TO THE DESIRED TIME OF TESTING FOR THE NEW SYSTEM. ANY COSTS ASSOCIATED WITH THE BACTERIA ANALYSIS OR OTHERWISE SHALL BE BILLED TO AND PAID BY THE DEVELOPER. NO LINE SHALL BE CONNECTED TO THE DISTRICT'S WATER SYSTEM UNLESS IT HAS FIRST BEEN TESTED AND FOUND TO BE FREE OF CONTAMINATION.
- 13. APPROVED BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED AND TESTED FOR ALL IRRIGATION AND PRIVATE FIRE SERVICES IN ACCORDANCE WITH THE VIRGIN VALLEY WATER DISTRICT CROSS—CONNECTION CONTROL POLICY.
- 14. ALL PRIVATE FIRE SERVICES SHALL SUBMIT FIRE FLOW TEST DOCUMENTATION CERTIFIED BY A THIRD PARTY CONTRACTOR FOR FLOW AND PRESSURE.
- 15. IT IS THE INTENT OF THESE SPECIFICATIONS AND IMPROVEMENT PLANS THAT THE CONTEMPLATED WORK, CONSTRUCTION, OR IMPROVEMENTS RESULT IN A COMPLETE OPERATING WATER SYSTEM IN CONFORMANCE WITH THE VIRGIN VALLEY WATER DISTRICT'S WATER SYSTEM AND IN SUBSTANTIAL COMPLIANCE WITH THE REQUIREMENTS OF NAC 445A.66695; THE DISTRICT'S DESIGN STANDARDS AND SPECIFICATIONS, AND THE DISTRICT'S RULES, REGULATIONS AND RATES, AS APPLICABLE. ANY QUESTIONS REGARDING THE STATED OR IMPLIED MEANING OF THESE PLANS SHALL BE IMMEDIATELY DIRECTED TO THE DEVELOPER'S DESIGN ENGINEER.
- 16. PRESSURE REGULATOR SHALL BE INSTALLED ON THE CUSTOMER'S PROPERTY THAT MEET THE REQUIREMENTS OF THE UNIFORM PLUMBING CODE AND INTERNATIONAL BUILDING CODE AS ADOPTED BY THE CITY OF MESQUITE AND ADEQUATELY SIZED TO MEET THE SYSTEM PRESSURE IN THE AREA.
- 17. BEFORE WATER SERVICE BEGINS, THE DEVELOPER SHALL FIRST OBTAIN APPROVAL OF THE COMPLETED WATER SYSTEM CONSTRUCTION BY PASSING A FINAL INSPECTION CONDUCTED BY THE VIRGIN VALLEY WATER DISTRICT. ANY REQUEST FOR FINAL INSPECTION MUST BE MADE AT LEAST 24 HOURS PRIOR TO THE DESIRED TIME OF INSPECTION. THE COMPLETION DATE OF THE PROJECT AND THE START OF ANY APPLICABLE WARRANTY PERIOD SHALL BE SUBJECT TO THE SATISFYING THE CONDITIONS OF ALL CORRECTION PUNCH LIST ITEMS RESULTING FROM THE DISTRICT'S FINAL INSPECTION, AND THE SUBMITTAL OF THE RECORD DRAWINGS PREPARED BY THE DEVELOPER'S DESIGN ENGINEER OF RECORD.
- 18. WATER METERS MUST BE PURCHASED THROUGH THE VIRGIN VALLEY WATER DISTRICT. INSTALLATION OF WATER METERS MUST BE BY THE DISTRICT PURSUANT TO DISTRICT POLICIES, EXCEPT AS AUTHORIZED IN WRITING BY THE DISTRICT. REQUESTS FOR WATER METER INSTALLATION SHOULD BE MADE AT LEAST 24 HOURS PRIOR TO THE DESIRED TIME OF INSTALLATION.
- 19. CONSTRUCTION SHALL NOT COMMENCE UNTIL TWO (2) SETS OF FULLY APPROVED CONSTRUCTION PLANS HAVE BEEN PROVIDED TO THE VIRGIN VALLEY WATER DISTRICT, PREPARED IN ACCORDANCE WITH THE DISTRICT'S DESIGN STANDARDS AND SPECIFICATIONS AND THE DISTRICT'S RULES, REGULATIONS AND RATES.
- 20. EASEMENTS, WHERE IDENTIFIED AND AS ALLOWED BY THE VIRGIN VALLEY WATER DISTRICT, ARE REQUIRED WHENEVER THE WATER MAIN, SERVICE LATERAL, METER, BACKFLOW ASSEMBLY, OR ANY ASSOCIATED APPURTENANCES ARE NOT LOCATED IN A PUBLIC RIGHT OF WAY. ALL EASEMENT TYPES AND LOCATIONS SHALL BE IDENTIFIED ON THE WATER PLAN, AS WELL AS ANY AREA(S) DEDICATED AS PUBLIC UTILITY EASEMENTS TO BE OCCUPIED BY WATER FACILITIES, TO FACILITATE FIELD VERIFICATION. THE DISTRICT IS NOT RESPONSIBLE FOR ANY PORTION OF A WATER SYSTEM UNLESS THE DISTRICT HAS EXPRESSLY ACCEPTED THE DEDICATION OF SUCH SYSTEM (OR PORTION) IN WRITING, SIGNED BY AN AUTHORIZED DISTRICT REPRESENTATIVE, AND IN ACCORDANCE WITH ALL DISTRICT POLICIES.
- 21. NO CONSTRUCTION OR OTHER OBSTRUCTION SHALL LIMIT THE VIRGIN VALLEY WATER DISTRICT'S DIRECT ACCESS, FROM THE ADJACENT OR NEAREST RIGHT OF WAY, TO THE METER ASSEMBLIES, BACKFLOW PREVENTION ASSEMBLIES, OR PIPING APPURTENANCES. ALL TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALLS, FENCE MATERIALS, GRADE, AND OTHER MATERIALS SHALL BE DESIGNED AND CONSTRUCTED SO AS NOT TO INTERFERE WITH THE DISTRICT'S EASEMENTS OR HINDER THE DISTRICT'S ACCESS TO AND MAINTENANCE OF ANY PART OF THE DISTRICT'S WATER SYSTEM OR FACILITIES.
- 22. THE AREA WITHIN AN EASEMENT SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE VAULT AND/OR BACKFLOW PREVENTION ASSEMBLY (IES) TO PREVENT WATER FROM POOLING NEAR ENCLOSURES, VAULTS, OR OTHER DISTRICT APPURTENANCES.
- 23. THE CONTRACTOR SHALL INSTALL A PRESSURE REGULATING DEVICE(S) IF REQUIRED UNDER NAC 445A.6711.

REVISED SEPTEMBER 2018

CITY OF MESQUITE SANITATION NOTES

- 1. ALL SANITARY SEWER CONSTRUCTION SHALL REQUIRE A CONSTRUCTION PERMIT TO BE ISSUED BY THE CITY OF MESQUITE SANITATION DEPARTMENT TO THE GENERAL CONTRACTOR FOR THE PROJECT. THIS WILL REQUIRE A COPY OF THE IMPROVEMENT PLANS SIGNED BY ALL UTILITIES, COPY OF CONTRACTORS CLASS A LICENSE AND A DATE WHEN CONSTRUCTION WILL START. THE GENERAL CONTRACTOR WILL ALSO BE REQUIRED TO HAVE A COPY OF THE LATEST EDITION OF THE "DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS FOR SOUTHERN NEVADA", ON THE PROJECT AT ALL TIMES. THE MESQUITE SANITATION DEPARTMENT CAN BE NOTIFIED AT 10 E. MESQUITE BLVD., OR BY CALLING 1-702-346-2849 OR 1-702-346-5295.
- 2. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION; UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS, LATEST EDITION; THE UNIFORM STANDARDS FOR PUBLIC WORKS CONSTRUCTION OFF—SITE IMPROVEMENTS, CLARK COUNTY, NEVADA, AS AMENDED; AND THE UNIFORM PLUMBING CODE. CONTRACTOR SHALL ADVISE THE CONTROLLING AGENCY OF ANY CONFLICTS DISCOVERED BETWEEN THESE SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK GOVERNED BY THE CONFLICTING REQUIREMENTS. THE ENGINEER AND/OR CONTRACTOR SHALL PROPOSE A RESOLUTION TO THE CONFLICT. THE RESOLUTION SHALL GENERALLY BE IN THE MANNER THAT YIELDS THE HIGHER QUALITY AND/OR PERFORMANCE OF THE WORK. THE CONTROLLING AGENCY SHALL ISSUE WRITTEN APPROVAL FOR THE RESOLUTION OF THE CONFLICT WHICH SHALL BECOME A PART OF THE CONSTRUCTION DOCUMENTS FOR THE WORK.
- THESE STANDARDS APPLY TO ALL CONSTRUCTION.
- 4. SEWER MAINS SHALL BE LAID INDIVIDUALLY IN TRENCHES THAT ARE INDEPENDENT FROM THE TRENCHES FOR OTHER UTILITIES.
- 5. ALL LATERALS SHALL BE LAID AT SLOPES NOT LESS THAN THE MINIMUM SLOPES SHOWN IN THESE SPECIFICATIONS.
- 6. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PERFORM CONSTRUCTION IN FULL CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. SHOULD THE DEVELOPER, ENGINEER OR CONTRACTOR WISH TO MAKE CHANGES TO THE APPROVED CONSTRUCTION DOCUMENTS, SUCH CHANGES SHALL BE APPROVED BY THE AGENCY PRIOR TO CONSTRUCTION OF THE AFFECTED IMPROVEMENTS. CHANGES CONSTRUCTED WITHOUT AGENCY APPROVAL SHALL BE REMOVED BY THE CONTRACTOR AT ITS OWN EXPENSE AND THE WORK CONSTRUCTED AS DEPICTED IN THE APPROVED CONSTRUCTION DOCUMENTS.
- 7. SOIL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 3.15 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION
- 8. ALL AIR TESTING, VISUAL INSPECTIONS, SYSTEM CLEANING, DEFLECTION TESTING, TELEVISING, PRESSURE TESTING AND LEAKAGE TESTING SHALL BE IN ACCORDANCE WITH SECTION 3.19 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION.
- 9. CUT SHEETS CONFORMING TO SECTION 3.6 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, LATEST EDITION SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CONTROLLING AGENCY FOR REVIEW BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL AUTHORIZED BY THE AGENCY.
- 10. THE LOCATION OF THE SEWER SERVICE LATERAL, WHERE IT PASSES UNDER THE CURB, SHALL BE INDICATED BY INSCRIBING AN "S" IN THE TOP OF THE CURB OR BY INSERTION OF A BRASS TAG MARKED "S" IN THE TOP OF THE CURB.
- 11. THE MESQUITE SANITATION DEPARTMENT SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF THE PROJECT COMPLETION WALK THROUGH, AND WILL BE PROVIDED WITH A SET OF "AS-BUILTS". "AS-BUILTS", AS A MINIMUM, SHALL INCLUDE DISTANCE BETWEEN MANHOLES, LATERAL LOCATION AT THE PROPERTY LINE, ALIGNMENT CHANGES AND EXISTING UTILITIES THAT CROSS THE SEWER LINES. THE ENGINEER WILL PROVIDE RECORD DRAWINGS, MYLARS OF GOOD QUALITY, TO THE DEPARTMENT REFLECTING THE CERTIFIED "AS-BUILTS" SUPPLIED BY THE CONTRACTOR. ONCE ALL THESE CONDITIONS ARE SATISFIED, AND THE PUNCH LIST IS COMPLETED TO THE DEPARTMENTS APPROVAL, THE COMPLETION DATE WILL BE ESTABLISHED AND THE WARRANTY WILL BE IN EFFECT FOR ONE YEAR FROM THAT DATE.

CITY OF MESQUITE STREET LIGHT NOTES

- 1. ALL STREET LIGHTING INSTALLATIONS, EXCEPT AS NOTED ON THE STREET LIGHTING PLANS, SHALL CONFORM TO THE "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS" AND THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF SITE IMPROVEMENTS. CLARK COUNTY AREA. NEVADA".
- 2. ALL LIGHT POLES ARE TO BE GALVANIZED.
- 3. NEW SERVICE POINTS ARE REQUIRED.
- 4. STREETLIGHT CONDUIT SHALL CONFORM TO CLARK COUNTY STANDARD SPECIFICATION (SECTION 623) AND SHALL BE SCHEDULE 40 PVC OF THE SIZE 1 1/4 INCH. UNDERGROUND CONDUIT SHALL BE INSTALLED TYPICALLY 3 FEET BEHIND THE BACK-OF-CURB IN LINE WITH THE CENTER OF THE LIGHTING POLE FOUNDATIONS, WHERE FEASIBLE. DEVIATION FROM THIS ALIGNMENT SHALL BE PERMITTED UPON THE ENGINEERS APPROVAL. PLACEMENT OF THE CONDUIT WITHIN THE PAVEMENT AREA OF THE STREET WILL BE PERMITTED TO AVOID CONFLICTS BEHIND THE SIDEWALK AREA. THE CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES BELOW FINISHED GRADE SURFACE. CONDUIT SHALL ALSO INCLUDE THE FURNISHING AND INSTALLATION OF ALL ELECTRICAL WIRE AS REQUIRED FOR THE OPERATION OF THE NEW STREETLIGHTS. THE CONTRACTOR SHALL PROVIDE FINAL "AS-BUILT" LOCATIONS OF ALL CONDUIT.
- 5. PULLBOXES SHALL BE A NO. 3 1/2 PULLBOX AND INSTALLED PER CLARK COUNTY STANDARD SPECIFICATIONS (SECTION 623) AND CLARK COUNTY UNIFORM STANDARD DRAWINGS. THE MAXIMUM DISTANCE ALLOWED BETWEEN PULLBOXES AND POLES IS 300 FEET. THE MAXIMUM BEND SHALL NOT EXCEED 270' IN ANY ONE RUN. PULLBOXES SHALL ALSO BE LOCATED AT BOTH SIDES OF STREET CROSSINGS. THE CONTRACTOR SHALL PROVIDE FINAL "AS—BUILT" LOCATIONS OF ALL PULLBOXES.
- 6. ELECTRICAL SERVICE POINTS AND METER BASES: THE STREET LIGHTING SYSTEM INCLUDES THE CONNECTION TO SERVICE POINTS LOCATED BY OVERTON POWER. THE CONTRACTOR SHALL COORDINATE CONNECTION AND SERVICE POINT LOCATIONS WITH OVERTON POWER. THE SERVICE SOURCE WILL BE 120/240 VOLT, SINGLE PHASE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL AND EQUIPMENT NECESSARY FOR CONNECTION TO THESE SERVICE POINTS. THE CONTRACTOR SHALL PROVIDE FINAL "AS—BUILT" LOCATIONS OF ALL ELECTRICAL SERVICE POINTS AND METER BASES.

REV. 04-15-99

CITY OF MESQUITE TRAFFIC NOTES

- 1. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS IMMEDIATELY AFTER THE FIRST GRADING WORK IS ACCOMPLISHED.
- 2. ALL CONSTRUCTION SIGNING, BARRICADING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK-1986" AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES-2009."
- 3. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY ENGINEER.
- 4. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS AND ALL SIGN POST INSTALLATIONS SHALL CONFORM IN THEIR ENTIRETY TO CITY OF MESQUITE/CLARK COUNTY STANDARDS.
- 5. IF A PROPOSED STREETLIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THE POST MOUNTING MAY BE CHANGED TO THE STREETLIGHT STANDARD, WITH THE APPROVAL OF THE CITY ENGINEER.
- 6. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC INTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
- 7. PRIOR TO CONSTRUCTION OF THE STREET SIGN, THE CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PUBLIC WORKS DEPARTMENT OF THE CITY OF MESQUITE.

REV. 11-01-19

ADDITIONAL WATER NOTES REQUIRED BY SOUTHERN NEVADA HEALTH DISTRICT

- 1. ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS" (UDACS) EXCEPT FOR PROJECTS SERVICED BY THE "VIRGIN VALLEY WATER DISTRICT".
- 2. WATERLINES SHALL BE FLUSHED, TESTED AND DISINFECTED PER "VIRGIN VALLEY WATER DISTRICT DESIGN STANDARDS AND SPECIFICATIONS FOR WATER WORKS CONSTRUCTION", SECTION IX, PRIOR TO BEING PLACED IN SERVICE. A WATER SAMPLE STATION IS REQUIRED FOR NEW SUBDIVISIONS PER "VIRGIN VALLEY WATER DISTRICT DESIGN STANDARDS AND SPECIFICATIONS FOR WATER WORKS CONSTRUCTION", SECTION VIII.B.10.

REV. 12-19-01 REV. 07-01-06 (AGENCY NAME CHANGE)

SOUTHWEST GAS CORPORATION CONSTRUCTION NOTES

- 1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
- 2. MINIMUM HORIZONTAL AND VERTICAL CLEARANCES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND UTILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATION, AND ELECTRIC SHALL BE AT LEAST 12-INCHES OR GREATER IS DICTATED BY LOCAL CODES AND STANDARDS.

A) ANY DEVIATION FROM SPECIFIED MINIMUM CLEARANCES MUST BE APPROVED BY ALL AFFECTED UTILITIES AND/OR MUNICIPALITIES.

- 3. FOR VALVE ADJUSTMENT CONTACT 702-528-7881 14 DAYS PRIOR TO CONSTRUCTION.
- 4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND STRUCTURES CONTACT 702-365-2099
- 5. FOR STANDBY WHEN EXCAVATION (INCLUDING SAW CUTTING AND PAVEMENT REMOVAL) OVER OR NEAR HIGH PRESSURE GAS LINES CONTACT 702—278—8451 48 HOURS PRIOR TO CONSTRUCTION

CITY OF MESQUITE FIRE NOTES

- 1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF MESQUITE ORDINANCE #555 NFPA 24, 2019 EDITION AND THE INTERNATIONAL FIRE CODE, 2018
- 2. ON ANY BUILDING CONSTRUCTION SITE, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE MATERIALS ARE DELIVERED TO THE SITE AND CONSTRUCTION COMMENCES. SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH REQUIRED WATER SUPPLY. IFC 501.4 AND 507.1
- IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE THE CITY OF MESQUITE FIRE DEPARTMENT MUST BE NOTIFIED.
- 4. THE PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER CITY OF MESQUITE FIRE DEPARTMENT FIRE HYDRANT INSTALLATION/SPECIFICATIONS HANDOUT.
- 5. UNOBSTRUCTED ACCESS TO FIRE HYDRANTS SHALL BE MAINTAINED AT ALL TIMES. THE FIRE DEPARTMENT SHALL NOT BE DETERRED OR HINDERED FROM GAINING IMMEDIATE ACCESS TO FIRE PROTECTION EQUIPMENT OR FIRE HYDRANT. A E FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS, EXCEPT AS OTHERWISE REQUIRED OR APPROVED. IFC 507.5.4 AND 507.5.5
- 6. AT ALL TIMES DURING CONSTRUCTION, FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE SURFACED SO AS TO PROVIDE ALL—WEATHER DRIVING CAPABILITIES. IFC 503.2.3
- 7. PRIOR TO ACCEPTANCE OF ANY PRIVATE FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST, WITH JOINTS UNCOVERED SHALL BE PERFORMED BY THE AHJ. APPROVED PLANS AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE SHALL BE PROVIDED AT TIME OF INSPECTION BY A STATE CERTIFIED CONTRACTOR. NAC477, IFC
- 8. BLUE REFLECTIVE HYDRANT INDICATION MARKERS SHALL BE IN PLACE PRIOR TO FINAL ACCEPTANCE AS PER THE INTERNATIONAL FIRE CODE AMENDMENTS, SECTION 507.5.7.3.
- 9. CURBING SHALL BE PAINTED RED, 10 FEET EACH WAY FROM THE CENTER OF THE HYDRANT. IFC 507.5.7.2 (AMENDMENTS TO IFC)

REV. 09-21-05 REV. 11-09-05

REV. 06-04-20

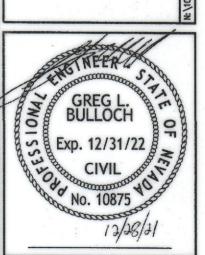
REV. 11-09-05 REV. 03-31-06 REV. 05-09-06



NOTE: ALL EXISTING UTILITY LOCATIONS MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION

BULLO ENGINEERS CIVIL ENGINEERS - www 750

GENERAL NOTES
THOMAS EDISON COL

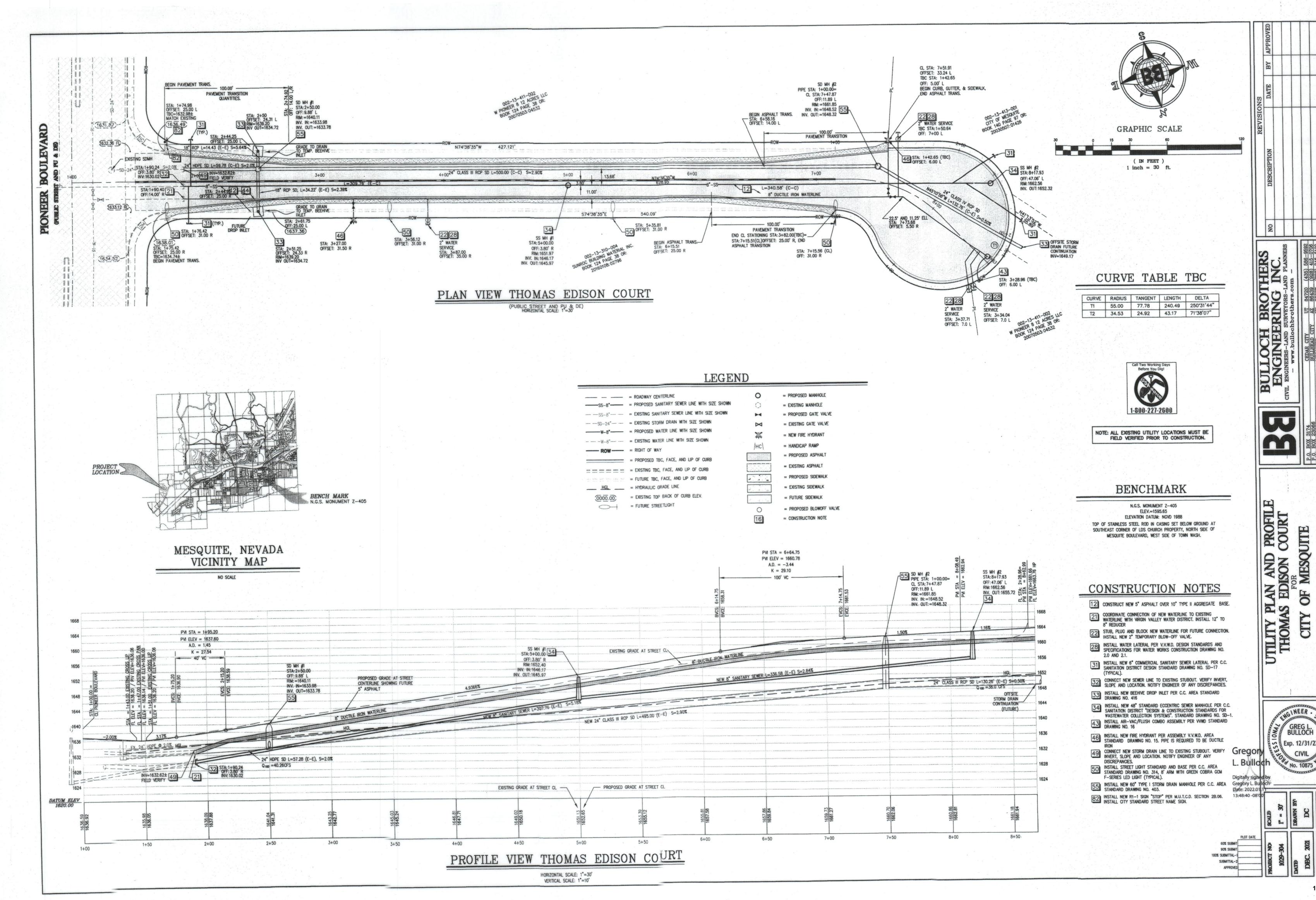


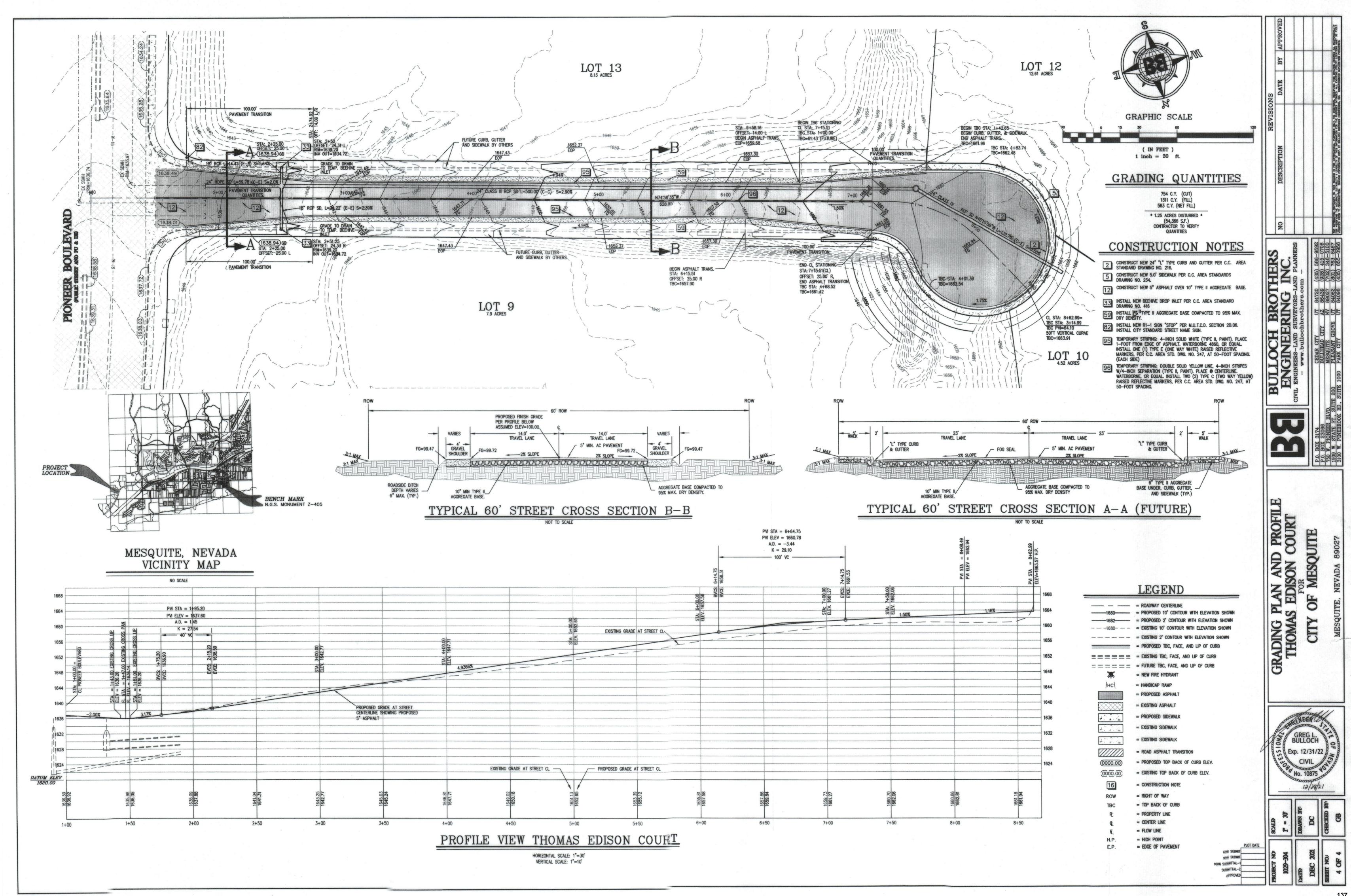
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ROJECT NO: S 1029-304

90% SUBMIT 100% SUBMIT-1 SUBMITTAL-2 APPROVED

SHOWN ON THIS PLANS ARE APPROXIMATE ONLY. EXACT HORIZOTTAL & VERTICAL LOCATION OF ALL EXISTING UTILITY AND DRAINAGE EASEMENTS. SHOWN ON THIS PLAN REPRESENT THE MINIMUM DRAINAGE EASEMENTS. AS SHOWN HEREON ARE INTERIOR. OF ANY SLOPES, MINITED TO ACCOMMODATE SURFACE DRAINAGE AND SUBSURFACE DRAINAGE AND SLOPES, MINITED TO ACCOMMODATE SURFACE DRAINAGE AND SUBSURFACE DRAINAGE SWALES, DEPICTED ON THIS PLAN REPRESENT THE MINIMUM DRAINAGE EASEMENTS. THE PUBLIC UTILITY AND DRAINAGE SWALES, MINITED TO ACCOMMODATE SURFACE DRAINAGE AND SUBSURFACE DRAINAGE SWALES, MINITED TO ACCOMMODATE SURFACE DRAINAGE AND SUBSURFACE DRAINAGE AND SUBSURFACE DRAINAGE AND SUBSURFACE DRAINAGE SWALES, MINITED TO ACCOMMODATE SURFACE DRAINAGE AND SUBSURFACE DRAINAGE AND SUBS





| BI | D NAME: Thomas Edison Court | DUE DAT | E: 03.08.22 |
|----|-----------------------------|----------------------|-------------|
| | DATE / TIME RECEIVED | CLOSING TIME | RECEIVED BY |
| 1 | 3.8.2209:26 | CG:B Enterprises Inc | |
| 2 | 3.8.226 9:48 | Teal Excavation | B |
| 3 | 38-2209:55 | Trade West | |
| 4 | | | |
| 5 | | | |
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| 7 | | | |
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| 10 | | | |

City Of Mesquite

Thomas Edison Court

Bid Opening Sign In Sheet Tuesday, March 8, 2022 @10:00 AM

| _ | Contractor /Representative | Contractor / Representative Company | | Contact No | Would you like an Abstract Emailed |
|----|----------------------------|-------------------------------------|--|----------------------|-------------------------------------|
| 1 | Breann Woods | teal executation | | | Y/N |
| 2 | 6019 BArely Ochen | | a Ochoa Begand bine.co | m 702 448800 | 14 ON |
| 3 | Tray Bech - | Trade West Const | a Ochoallegand binc. wo tradewestniegmai | 702 246 1 cm 2757 | (Y)N |
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| 15 | | | | | Y/N |
| 16 | | | | | Y/N |
| 17 | | | | | Y/N |



Date: 03.08.22 Time: 10:00 AM

Thomas Edison Court Check Off List/Bid Tabulation

| | Contractors | Bid Proposal Signed | Bid Proposal | Bid Schedule | Acknowledge Addendum No 1 | Subcontractors/ Material Supplier 5% | Subcontractors/ Material Supplier 1% | Bid Bond | Non-Collusive Affidavit of Bidder | Compliance with Americans with Disabilities Act | Compliance with Assembly Bill 144/ Contractors Certificate | Bid Amount |
|----|---|------------------------|--------------|--------------|---------------------------------|--|--|----------|---|---|---|--------------|
| 1 | CG+B Enterprises | v. | / | / | ~ | ~ | ~ | ~ | ~ | ~ | ~ | \$706,969.00 |
| 2 | Teal Expandion | V | ستا | ~ | ~ | / | • | W | <u></u> | ~ | | \$595,045 |
| 3 | CG+B Enterprises Teal Excavation Trade West | ~ | V | ~ | ~ | <u> </u> | | <u></u> | ~ | ~ | V | \$595,045 |
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Brandon Bentley - Capital Projects Manager

Julie Goodsell - Deputy City Clerk



AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Tracy Beck

Submitting Department: Mayor & Council

Special Items & Presentations

| Presentation of the NDOT Sustainable Transportation Funding Alternative Study. |
|--|
| - Public Comment - Discussion and Possible Action |
| PETITIONER: George Gault, Council member DEPARTMENT: Mayor & Council |
| RECOMMENDATION: |
| |
| Background: |
| This Study Group was a directive by the 2021 Legislature to review taxes and fees currently in place |

and how to make future transportation funding more sustainable for the long-term. This group is in the thick of discussions now, and we want to be sure the public is aware of this work and engage local governments in the process. The study group is required to make final recommendations in the

form of a report to the Legislature by the end of the year.

Fiscal Impact: N/A

Budgeted Item: No

Attachments:

•



AGENDA ITEM
City Council Meeting
Meeting Date: March 22, 2022
Submitted by: Tracy Beck

Submitted by: Tracy Beck
Submitting Department: City Clerk

| | Department | Reports |
|--|------------|---------|
| Mayor's Comments and Reports | | |
| PETITIONER: Tracy E. Beck, City Clerk DEPARTMENT: City Clerk | | |
| RECOMMENDATION: | | |
| Background: | | |
| Fiscal Impact: None | | |
| Budgeted Item: No | | |
| Attachments: | | |



AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Tracy Beck Submitting Department: City Clerk

| | Department Reports |
|--|--------------------|
| City Council and Staff Comments and Reports | |
| PETITIONER: Tracy E. Beck, City Clerk DEPARTMENT: City Clerk | |
| RECOMMENDATION: | |
| Background: | |
| Fiscal Impact: None | |
| Budgeted Item: No | |
| Attachments: | |



AGENDA ITEM **City Council Meeting** Meeting Date: March 22, 2022

Submitted by: Jesselyn Leavitt

Submitting Department: Development Services

Administrative

Consideration of Approval of a Restaurant with Service Bar Liquor License for Thai House located at 430 North Sandhill Blvd.

- Public Comment
- Discussion and Possible Action

PETITIONER: Jesselyn Leavitt **DEPARTMENT:** Development Services

RECOMMENDATION:

Approve the Service Bar Liquor License for Thai House located at 430 North Sandhill Blvd contingent about Findings of Suitability from Mesquite Police Department.

Background:

Thai House is applying for a Restaurant with Service Bar license. Staff is recommending approval contingent upon Findings of Suitability being issue from Mesquite Police Department following the background check.

Fiscal Impact: Revenue to 10-32-110

Budgeted Item: No

Attachments:

Thai House Liquor License App.pdf



CITY OF MESQUITE LIQUOR LICENSE APPLICATION

To: The City Council, City of Mesquite, Nevada:

The Undersigned Hereby Applies for the Following License or Licenses, and if Granted Will Accept Same, Subject to all Terms, Regulations and Provisions of the Ordinance or Regulation Under Which it is Granted.

Please type or print all information. If more space is required, please attach separate sheet.

| Lan | ra Ray | 4. | Thai | House | | | |
|----------|------------------|--------------------|-------------------------------------|--|----------------------|-------|--------------|
| NAME | OF APPLICANT | 0. 1 | amenia beatiful and a second filter | A CONTRACTOR OF THE CONTRACTOR | HOULD APPEAR C | | |
| 430 | N Sound | Isl Blvd | Mesquite | NV 89027 | | | |
| BUSIN | ESS PHYSICAL | A | Number, Stree | W 12 | BUSINESS | TELEF | PHONE |
| 1.0. | Box 720 | | erville | NV 8900 | / | | |
| BUSIN | ESS MAILING A | DDRESS | | | | | |
| NAME | AND ADDRESS | OF PROPERTY | OWNER | | | | |
| 1. | Type of Organ | nization: | | 8 | | Vi. | |
| | Corporation | | | General Partne | | | |
| | Limited Liabili | ty Corporation | <u>X</u> | Limited Liability Sole Proprietor | | | |
| | Other Please | Describe | | Oole i Tophicioi | · · | | <u> </u> |
| | | 4 | | | | | |
| 2. | If a Foreign C | ornoration: | | | | | |
| ۷. | Organized un | der the Laws of | Which State | | When? | | |
| | | | | | | | |
| 3. | Name & Addr | ess of Corporat | e Resident A | gent: | | | |
| 4. | If a Partnersh | ip: | | | | | |
| 1.5 | a. Is the | Certificate of Pa | | gistered with Clar | k County Recorde | er? | |
| | Date F | Registered: | u - D4 | in to Eviet2 | | | |
| | b. vvnat | is the Term for t | ine Paπnersn | ip to Exist? | | | |
| 5. | If a Corporation | on or Partnershi | ip, list each o | fficer and percent | age applied for: | | |
| | If an Individua | al, complete all a | applicable Ite | ms: (Pleas add ad | dditional sheet if n | ecess | sary). |
| <u> </u> | NAME | TITLE | AD | DRESS | PHONE | % | U.S. CITIZEN |
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| Com | a han | | 10 000 10 | | 7025442017 | 95 | 14 |
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| 6. | Please list the | e Key Employ _ | N. | A | 10:h: 10t-t- | | 2hono |
| | | | Name | Address | /City/State | ۲ | Phone |



7. NUMBER, TYPE & FEE OF LICENSE APPLIED FOR:

| Beer, Wine, Spirit Based Products Off- Sale | Origination Fee \$5,000 | Renewal Fee \$800/Semi-Annual |
|--|---------------------------------------|------------------------------------|
| Beer, Wine, Spirit Based Products On- Sale | \$2,500 | \$350/Semi-Annual |
| Restaurant w/ Bar | \$3,500 | \$750/Semi-Annual |
| Restaurant w/ Service Bar | \$2,500 | \$500/Semi-Annual |
| Full Liquor Off-Sale | \$20,000 | \$3,500/Semi-Annual |
| Full Liquor On-Sale | \$2,500 | \$750/Semi-Annual |
| Tavern | \$12,500 | \$1,000/Semi-Annual |
| Brew Pub | \$12,500 | \$1,000/Semi-Annual |
| Non-Restricted/Restricted Gaming | \$25,000 | \$3,500/Semi-Annual |
| Wholesale Import | \$3,500 | \$750/Semi-Annual |
| Nonprofit Club | \$300 | \$200/Semi-Annual |
| Liquor Catering | \$1,000 | \$300/Semi-Annual |
| (After the issuance of a license, each licensee shall pay, in semiannual license renewal processing fee of \$50.00) TOTAL LICENSE FEES PAID WITH THIS A INVESTIGATION FEE: \$250.00 per person for the first 3 persons Nonprofit Club Liquor License: The investigation fee shall | APPLICATION: \$ | h additional person. |
| | | · |
| Investigation I hereby acknowledge and promise to pay all non-refundable equal to the actual cost incurred by the City to complete the understand that this is due and payable prior to final action Please Print Applicant Name Lawa Ruy | e necessary inves on my applicatio | ees in an amount stigation, and |
| Signature of Applicant: | Date _ | 1/27/2022 |
| Office Use Only | C 300 | - Silver |
| License # Date Receipt # City Council Date City Council Approve | | |
| | | |

10 E. Mesquite Blvd., Mesquite, NV 89027 702-346-2835 ext 3305, <u>www.mesquitenv.gov</u>

Si necesita asistencia en Espanol, por favor pregunte y alguin le ayudara



AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Richard Secrist

Submitting Department: Development Services

Administrative

Consideration for approval of the Architectural and Site Plan Review Case No. ASR-22-002 (Crown Mesquite), a 350,373 square foot aluminum can manufacturer on 63 acres in Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer Boulevard.

- Public Comment
- Discussion and Possible Action

PETITIONER: Crown Holdings **DEPARTMENT:** Development Services

RECOMMENDATION:

Review and Approve Case No. ASR-22-002 for Crown Mesquite, a 350,373 square foot aluminum can manufacturer on 63 acres in Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer Boulevard.

Background:

Crown Holdings Inc. has selected the City of Mesquite for the site of their next aluminum can manufacturing facility. The proposed development is planned to be built in two phases. The manufacturing plant is planned to be 355,000 square feet, with a 168,000 square feet warehouse storage expansion. The anticipated build-out year with the expansion is 2028. Construction of the main manufacturing facility and site improvements is set to begin this spring and summer.

Crown will hire 120 employees for this facility. In addition to the employees coming and going to work, the company anticipates the facility will generate approximately 40 truck trips per day. Employees and visitors will enter the business from the front (Pioneer Blvd Side) and parking is provided up-front to facilitate that. The truck traffic will enter the site from Isaac Newton Drive on the east, enter a trucker parking lot, then move past a Truck Guard House, and on to the loading docks.

The company is modeling this facility after several others previously built in other locations. Much of the design and specifications will reflect the specific needs for the equipment and manufacturing processes of their other facilities. However, their architects have tried to do what they can to have their new plant fit as well as possible into the Mesquite Southwest environment, and be something the City can be proud of.

Fiscal Impact: None

Budgeted Item: No

Attachments:

• ASR 22-0002_Crown Mesquite_ Council Staff Memo.doc

- Crown App & Plans.pdf
- General Vicinity Map for ASR-22-002 Crown Mesquite.pdf
- Crown Holdings Manufacturing TIS_FINAL STAMPED (1).pdf



TO: Mayor and City Council

FROM: Richard Secrist, Development Services Director

DATE: Technical Review- March 15, 2022

City Council- March 22, 2022

RE: Consideration of Architectural and Site Plan Review Case No. ASR-22-

002 (Crown Mesquite) to approve a 350,373 square foot aluminum can manufacturer on 63 acres in Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer

Boulevard.

Project Description

Crown Holdings Inc. has selected the City of Mesquite for the site of their next aluminum can manufacturing facility. The proposed development is planned to be built in two phases. The manufacturing plant is planned to be 355,000 square feet, with a 168,000 square feet warehouse storage expansion. The anticipated build-out year with the expansion is 2028. Construction of the main manufacturing facility and site improvements is set to begin this spring and summer.





Date: March 4, 2022

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Crown will hire 120 employees for this facility. In addition to the employees coming and going to work, the company anticipates the facility will generate approximately 40 truck trips per day. Employees and visitors will enter the business from the front (Pioneer Blvd Side) and parking is provided up-front to facilitate that. The truck traffic will enter the site from Isaac Newton Drive on the east, enter a trucker parking lot, then move past a Truck Guard House, and on to the loading docks.

The company is modeling this facility after several others previously built in other locations. Much of the design and specifications will reflect the specific needs for the equipment and manufacturing processes of their other facilities. However, their architects have tried to do what they can to have their new plant fit as well as possible into the Mesquite Southwest environment, and be something the City can be proud of.



Key Facts

- The proposed development will contain 355,000 square feet, with a 168,000 square feet warehouse storage expansion. The is approximately 63 acres in size.
- The proposed land use (drink can manufacturing) is allowed in the Light Industrial IR-1 zoning district.
- The project has vacant Light Industrial zoned land to its north, south, east, and west



Date: March 4, 2022

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Building Height

Plans show the maximum height of the building at 44' 4". The maximum height allowed in the Light Industrial Zone is 2 stories / 35 feet. To go over 35' a conditional use permit (CUP) is required to be approved by City Council. With the CUP an additional 2 stories may be approved.

The applicant has requested the Council approve a Conditional Use Permit giving them an additional 9' 4", or an even 10 feet to keep things simple. This would allow them to have a 45' tall building. With the large spans in this building, an extra 10 feet is not unreasonable.

Traffic Impacts

The City required a Category 2 Traffic Impact Study for this project. The Crown Holdings Manufacturing Traffic Impact Study was completed by Horrocks Engineers.

With 120 Employees, Horrocks estimated the facility would generate 302 employee trips per day and 40 truck trips per day for a total of 342 trips per day.

Table 6 shows the Level of Service (LOS) analysis for the projected 2028 traffic with development traffic.

Table 6-2028 with Development Traffic LOS Analysis

| | Afternoon Peak Hour | | | | |
|--|---------------------|----------|--|--|--|
| Intersection | Average Delay | Level of | | | |
| | (sec/veh) | Service | | | |
| Lower Flat Top Drive & W Pioneer Boulevard | 8.1 | Α | | | |
| Lower Flat Top Drive & I-15 Northbound Ramps | 9.7 | Α | | | |
| Lower Flat Top Drive & I-15 Southbound Ramps | 10.4 | В | | | |
| W Pioneer Boulevard & Isaac Newton Drive | 10.3 | В | | | |
| W Pioneer Boulevard & Falcon Ridge Parkway | 22.4 | С | | | |
| W Pioneer Boulevard & Project Access | 9.1 | Α | | | |
| Isaac Newton Drive & Project Access | 9.2 | Α | | | |



Date: March 4, 2022

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With the increase in traffic from the proposed development, the study intersections are expected to operate at the same LOS as in the background conditions. The accesses to the project are expected to operate at LOS A.

Architectural Review Committee

On February 17, 2022, representatives from Crown Holdings met with Mesquite's Architectural Review Committee seeking design review approval of the project.

All building, remodeling or rehabilitation projects proposed within the Mesquite Technology and Commerce Center (MTCC) shall be reviewed by the architectural review committee (ARC), prior to action by the City Council. (Ord. 397, 3-11-2008, eff. 4-3-2008)

In considering whether to approve an application review is limited to regulations the City has formally adopted (Zoning Code, MTCC Design Standards) and to the following general considerations: <u>Building, structures and other improvements shall be designed and constructed so that they will not become unsightly, undesirable or obnoxious in appearance:</u>

- a. To the extent that they will hinder the orderly and harmonious development of the City;
- b. Impair the desirability of living conditions in the same area or adjacent agricultural or residential areas; or
- c. Otherwise adversely affect the general prosperity or welfare.

Architectural and Site Plan Approval Criteria

Exterior Materials: Buildings must have at least 2 exterior colors and textures. Stucco, brick, smooth block masonry, concrete (tilt-up that is colored or painted) or stone preferred on all front and street sides of buildings, including I-15 frontage. Wood, metal and other materials may be used as accent or trim, but such exteriors must not exceed 1/3 rd of the exterior on front, street side, or other side of a building in public view. Windows are encouraged on the front and street sides of buildings.

Commentary



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A tan, split face block is proposed around the windows and doors of the front elevation. The rest of the walls and roof are clad in a Regal White metal panel.

Clearly, the metal wall and roof panels go beyond usage as "accent or trim." And they cover more than 1/3 of the front exterior. However, the use of two different materials and colors does kind of break up the uniformity of that wall's appearance. And the colors are earth-tone colors that are complimentary to the environment around them.

The ARC thought the applicant had done a good job of selecting materials and colors common to this area, and that they would be compatible with other buildings in the area.

The committee also thought that a well-thought-out landscaping plan would provide accent color, help frame views, and help cool the facility and site. They asked that a final landscape plan be submitted to them for review once it is completed.

Articulation of Large Buildings: Facades greater than 100' long that face public views will be articulated by varying the roof line or building mass, form or texture at least every 50'.

Commentary

Articulating the long façade by varying the roof line or building mass isn't going to work on this building, partly because of its size and scale, and partly because the steel for the building has already been ordered. Re-engineering and designing the structure to accomplish that won't be feasible with the timeline the applicant is under. Equipment and machinery have already been ordered as well.

The fenestration of windows and doors does break up the long expanse of concrete block and the steel panels. Even the parking covers provide another vertical element in front of the building that break up an otherwise regimented look.

The ARC also suggested that when the warehouse storage expansion (future building to the east) building is designed, that it be made to project out from the manufacturing building 5 to 10 feet. This would break up the long horizontal plane of the front wall. It could also be colored a slightly darker hue to differentiate it from the main building.

Landscaping plans were also mentioned again as a possible way to articulate the appearance of such a large building, and help buffer and define the various site spaces.

Landscaping and Buffering:



Date: March 4, 2022

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Perimeter landscape buffers shall be provided abutting street rights of way. Adjacent to arterial streets with 100' ROW, the industrial zone requires a 25' landscape buffer. This will apply to both Pioneer Boulevard and Lower Flat Top Drive.

Also, All sidewalks and parking areas must be separated from industrial buildings by landscaping (5' or greater). A total of 15% of the site must be landscaped. I would think most of this can be provided along the rights-of-ways and around the building. Also, there must be a tree within 40' of every parking space.

Commentary

The ARC asked staff to provide the applicant with relevant sections of the code, and any checklists, dealing with landscape requirements, so the applicant would know what Standards they have to meet.

The committee reiterated their request that once detailed landscape plans were prepared, they be submitted to the committee for review. Final site plans should be amended to show areas of the site that will be landscaped. And Civil Improvement plans must include detailed landscaping plan, planting schedule, size and species of plants, ground cover etc., and an irrigation plan.

Fencing:

Plans show metal fencing around the buildings and loading docks. They have the appearance of wrought iron, but the cross members are steel strips approximately 1/8" thick. The fencing will be powder-coated not painted, for durability.

The applicant stated that there would also be chain-link fencing around the outside perimeter of the property.

Commentary

When asked if it would be standard galvanized chain link with barbed or razor wire on top for security, they said no. It will be color coated chain link with no barbed or razor wire, and no plastic slats. The ARC was glad to hear that since the design standards also do not permit those kinds of features. But the committee would like to see details of the proposed fencing once those plans are ready.

Solar Panel Area:



Date: March 4, 2022

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Located in the southeast corner of the Crown property is a Proposed Future Solar Panel Area. No details are yet shown on the plans as to what that will consist of, or how it will look. But Crown representatives did say that that they plan to use solar power for much of the outside lighting, and to otherwise reduce power generation demand.

Commentary

The ARC asked about that area, and asked to see plans the solar panel area once they have been formulated.

Analysis

Site Plan Approval

Mesquite Municipal Code Section 9-5-4.E sets forth the following criteria for making a decision on an application for Site Plan Approval:

E. Site Plan Approval:

- Criteria: The city council or planning commission shall approve, conditionally approve
 or deny the site plan, based upon the following criteria. If no planning commission
 exists, the zoning official shall approve, conditionally approve or deny the site plan,
 based upon staff's determination that the following criteria are satisfied: (Ord. 397, 311-2008, eff. 4-3-2008)
 - a. The site is capable of accommodating the building(s), parking areas and drives with appropriate open spaces and is in compliance with all requirements of these regulations.

Commentary

The site plan shows how the site will accommodate the proposed development. Buildings comprise 19% of the site; automobile parking and truck parking and loading areas comprise approximately 13.8% of the site; the solar farm takes up approximately 12.4% of the site; leaving approximately 54.8% of the site for landscaping, pedestrian walkways etc.

b. The site plan provides for safe and easy ingress, egress and internal traffic circulation.



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Commentary

Pioneer Boulevard. There is a driveway in the center of the property. According to the traffic report, the intersection of this driveway and Pioneer Boulevard will operate at a Level of Services (LOS) A. This is including new traffic from recently approved projects in the area.

Isaac Newton Drive. There is a driveway on the east side of the property. According to the traffic report, the intersection of this driveway and Isaac Newton drive will operate at a Level of Services (LOS) A. This is including new traffic from recently approved projects in the area..

c. All development features, including the principal building and any accessory buildings, open spaces, service roads and parking areas are located so as to minimize the possibility of adverse effects on adjacent properties.

Commentary

The proposed manufacturing land use is not expected to cause adverse impacts to the surrounding industrial properties.

d. The plan is consistent with accepted land planning and site engineering design principles.

Commentary

The proposed project utilizes standard land planning and site engineering design principles, and will be served by a full range of urban services. The open spaces of the site will be landscaped and irrigated.

e. The plan represents an overall development pattern that is consistent with the general plan, design guidelines and other adopted planning policies.

Commentary

The project would be consistent with master plan policies to:

- •Adopt a balanced development pattern with adequate commercial and industrial uses to diversify the community's tax base.
- •Encourage development only where existing infrastructure and facilities can be appropriately extended to serve.



Date: March 4, 2022

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- 2. Conditions: The city council, planning commission or zoning official may condition site plan approval on the following:
- a. Phasing of development to assure that the density or intensity of the development is coordinated with the provision of adequate public facilities;
- b. Dedication of necessary rights of way or easements;
- c. Provision of setbacks or buffers in addition to those required in the district to separate the use from incompatible adjacent uses;
- d. Limitations on hours of operation;
- e. Any other factor deemed relevant to carrying out the intent and purpose of this section.

Recommendation

Staff recommends that the City Council conclude that the project satisfies the criteria of MMC Section 9-5-4.E, as well as the MTCC Design Standards, and based on the recommendations of the Architectural Review Committee and staff, grant site plan and architectural approval to The Crown Mesquite project (Case No. ASR 22-002), subject to the Department recommendations and Standard Conditions:

Building Department

- 1. Meet all applicable Building Codes and Standard Conditions.
- 2. Coordinate with the Building Official to arrange for 3rd party building inspections.

Engineering Department

1. Standard Conditions as applicable.

Planning and Environmental Resources

- 1. Meet all applicable Zoning Codes and Standard Conditions.
- 2. Building numbers and addresses shall conform with the City's Street Naming and Addressing Policy.
- 3. This Architectural and Site Plan Approval will expire on March 22, 2023, unless permits have been issued to commence development and construction by then.
- 4. Approval of a Conditional Use Permit to allow a building height of up to 45 feet.
- 5. A final landscape plan be submitted to staff and the ARC for review and approval.
- 6. The ARC also suggested that when the warehouse storage expansion (future building to the east) building is designed, that it be made to project out from the manufacturing building 5 to 10 feet.



Date: March 4, 2022

Page: 10

- 7. Final site plans should be amended to show areas of the site that will be landscaped. And Civil Improvement plans must include detailed landscaping plan, planting schedule, size and species of plants, ground cover etc., and an irrigation plan.
- 8. Perimeter chain-link fencing will be color coated chain link with no barbed or razor wire, and no plastic slats.
- 9. The ARC asked about that area, and asked to see plans the solar panel area once they have been formulated.

Public Works

- 1. Standard Conditions as applicable
- 2. All saw cuts of any asphalt will require an encroachment permit from the public works department

Sanitation

- 1. Standard Conditions as applicable.
- 2. All sanitary sewer billing for this project will be through the City of Mesquite.

Solid Waste

- 1. Standard Conditions as applicable
- 2. Trash enclosures will be required on this project, they need to be designed to City of Mesquite Standards and all locations need to be approved by the Public Works department before approval of construction plans.

Fire & Rescue Department

1. Meet all applicable Fire Safety Codes.

Police Department

1. No Comments.

STANDARD CONDITIONS



Date: March 4, 2022

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- I. The project should meet the City of Mesquite's Development Standards and Design Criteria, Building and Fire Codes, and shall comply with the City's Zoning and Subdivision Ordinances.
- 2. No grading or other site work is to take place prior to approval, as a minimum of conceptual drainage study, a preliminary grading plan, a tortoise study, when applicable, and payment of fees as applicable.
- 3. A soils report should be provided to the City prior to construction. A geotechnical study by a licensed geotechnical (civil) engineer is to be provided during construction with a final acceptance report provided at the completion of the project.
- 4. No construction beyond grading is to occur prior to completion and approval of plans for both on-site and off-site streets and utilities and bonding therefore, dedication of all rights of way and grating of required easements. The plans must be signed and approved by all required entities, including but not limited to the Virgin Valley Water District, Overton Power, Rio Virgin Telephone Company and the Mesquite City Sanitation District. Final approval will not be granted prior to bonding and payment of plans check and inspection fees.
- 5. An Encroachment Permit must be obtained prior to construction of any improvements within the public right-of-way. Final approval will take the form of signed plans and an Encroachment Permit. Projects abutting Riverside Road, Mesquite Boulevard and Sandhill Boulevard will require NDOT encroachment permits. Evidence of an NDOT permit must be submitted prior to final plan approval.
- 6. Existing water and sewer laterals should be used wherever possible.
- 7. Streets should be developed sufficiently to provide curbs and gutters, sidewalks and street | ights, two-way traffic and parking, or should be developed to the center line, whichever is greater. This will, in most cases, be a "rough proportionality" of the project's impact on the neighborhood. In some cases, roads providing access will also have to be developed to provide a two-way traffic as a minimum in order to satisfy the "rough proportionality" test. In addition, the payment of transportation impact fees will complete the project's share of its proportional impact on the community.



Date: March 4, 2022

Page: 12

- 8. As an alternative to City's inspection of off-sites, the developer may provide an engineering construction report to include materials certification and civil certification to the proper construction of the streets and drives. The final report must be approved by the City's Department of Public Works prior to occupancy permits.
- 9. Planned pedestrian, equestrian, bicycle trail systems which are incorporated into the washes need to be incorporated into projects abutting or adjacent to such washes.
- IO. All lots should have the standard easement of IO foot front and rear and 5 foot sides.
- Driveways to high volume lots, commercial and industrial lots, and driveways entering arterial and collector streets, will be radius type in conformance with Standard Drawings No. 222A.
- 12. Projects adjoining different zoning districts require a 6-ft. block or cement wall between the two zoning districts. The height is to be measured from the usable lot ground level on the higher side if the wall.
- 13. House/building numbers at the physical address, as well as the street name signs, shall be in place prior to the issuance of certificate of occupancy.
- 14. The applicant must submit a proposed address scheme for approval by the City of Mesquite's Development Services Department.
- 15. Planned Unit Developments (PUDs) must provide CC&R's for recordation with the final subdivision map. The homeowner's association should also be incorporated to insure the maintenance of the landscape area in the public streetsw throughout the master-planned area.
- 16. Development within the Downtown Central Business District will adhere to the adopted Architectural and Development Standards for that area. Approval by the Architectural Commission prior to City Council action will be required.
- 17. Downtown Central Business District projects which are not a part of the Redevelopment District will provide all parking for each type of use as shown



Date: March 4, 2022

Page: 13

in the Zoning Code.

- 18. All sewer lines and laterals will be installed according to the design and construction standards for waste water collection system of Southern Nevada with the approval of the City of Mesquite's Sanitation Department.
- 19. All sewer connect fees, collection line capacity fees, and lateral construction fees must be paid prior to any utilization of sewer lines.
- 20. Thirty (30) days after completion of the project, the Engineer shall submit certified as-builts to the Mesquite Public Works Department. As-builts, as a minimum, shall include distance between manholes, lateral location at the property line alignment changes and existing utilities that cross the sewer lines. The Engineer will provide records drawings, mylar's of good quality, to the Department, reflecting the certified as-builts supplied by the contractor.
- 21. The Mesquite Sanitation Department shall be provided with a list of all property owners' names and addresses as each unit is sold to facilitate the billing process.
- 22. The developer will have 15 days after a certificate of occupancy is issued to provide the Mesquite Sanitation Department with the new owners' names and addresses. If this information is not provided at that time, the developer will be billed for sewer and trash pickup for the quarter for the units for which occupancy certificates have been issued.
- 23. All condominiums projects' annual service fees for sanitary sewer service will be paid through Association.
- 24. Approval of the project will require a traffic study to determine participation levels in infrastructure and signalization for arterial & collectors, or the applicant will pay capacity impact fees as determined by the most current citywide Transportation Capacity Impact Fee Study.
- 25. CC&R's must include provisions that the property owners and/or owner's association are responsible for damage from and removal of debris coming from the slopes to the back walls or the back yards of the properties, regardless of who owns the slope areas.
- 26. All property lines between lots and whenever else possible are to be at the



Date: March 4, 2022

Page: 14

top of slope so slopes are entirely on the downhill property.

27. No permit for construction of any right-of-way, either public or private, is to be issued without first having a 100% labor and materials bond posted. This bond may be coincident with or in addition to the performance bond which is required prior to issuance of building permits on property which may abut and be accessed by the roadway.



Architectural and Site Plan Review

| Project Information | | |
|-------------------------------------|--------------------------|--------------------|
| Project Name | | Existing Zoning |
| Project Location | | Gross Acres |
| Assessor's Parcel Number(s) | | |
| Building Use(s) and Size(s) | | |
| Total Square Feet | | |
| Please explain the intent of this r | equest | |
| | • | |
| Applicant Signature | 2 Din | Date |
| Applicant Information | | |
| • | | |
| Property Owner(s) | | _ |
| Mailing Address | | |
| Phone No | Email | Fax No |
| | | |
| Applicant (if different than Owne | r) | |
| Mailing Address | | |
| Phone No | Email | Fax No |
| | | |
| Contact Person/Representative (| if different than Owner) | |
| Mailing Address | | |
| Phone No | Email | Fax No |
| | | |
| | Office Use Only | |
| Case No | | Application Fee \$ |
| Date Received | | Noticing Fee \$ |
| Received By | | Planner |

Checklist

Please use the following list to prepare your complete application. If any information is missing, inaccurate or incomplete, the application will be deemed invalid and **will not** be accepted for processing.

- ☐ Application fee of \$175 is due upon submittal.
- One (1) original signed application.
- ☐ One (1) original, current and fully signed Affidavit(s) plus one (1) copy.
- One (1) original legal description of the property plus one (1) copy. (A metes and bounds description is required if the property is not platted.)
- Two (2) 24" x 36" site plan folded to 9" x 12" size (please refer to Mesquite Municipal Code (MMC Section 9-5-4C).
- M One (1) original 8 ½" x 11" site plan plus one (1) copy.
- Two (2) 8 ½" x 11" color renderings. One (1) 24" x 36" color rendering. One (1) color board and material(s) samples.
- ☑ Traffic Impact Analysis: Required if project will generate more than five hundred (500) vehicle trips per day based on Institute of Transportation Engineer trip generation rates (Please refer to MMC Section 9-9-6C).
- One (1) original Service Availability letter from each public utility plus one (1) copy:
- -City of Mesquite Sanitation Division.
- -Overton Power District No. 5.
- -Reliance Connects Telephone/Cable Company.
- -Virgin Valley Disposal.
- -Virgin Valley Water District.
- ☐ If the project is located in a Common Interest Community approval must be obtained prior to approval of the application by City of Mesquite.
- ☐ A digital copy of the submittal are required in the following formats:
- -All site plans must be in AutoCAD Version 14 or higher, DWG format.
- -All architectural renderings and building elevations must be in TIF, JPEG or PDF format.
- -All other documents can be submitted in TIF, JPEG, PDF or DOC format.

ACKNO WLEDGMENT STATE OF COUNTY OF THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON_

NOTARY PUBLIC

KEVIN BROWN

RICHARD RESNICK

BEN DAVIS

FIRE PREVENTION OFFICER

MESQUITE FIRE AND RESCUE

VIRGIN VALLEY DISPOSAL INC.

MY COMMISSION EXPIRES

BASIS OF BEARING

THE QUARTER SECTION LINE BETWEEN THE WEST QUARTER CORNER AND THE EAST QUARTER CORNER OF SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN AS RECORDED IN BOOK 148, PAGE 52 OF PLATS IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA

UTILITY AGENCIES AND COMPANY APPROVALS

WE. THE HEREIN NAMED UTILITY COMPANIES AND AGENCIES, APPROVE THE GRANT OF THE DESIGNATED EASEMENTS.

VIRGIN VALLEY WATER DISTRICT BOYD EVANS OVERTON POWER DIST. No.5 JOSH TIETJEN DATE RIO VIRGIN TELEPHONE COMPANY TRAVIS H. ANDERSON, P.E. DATE PUBLIC WORKS DEPARTMENT

THE CITY OF MESQUITE HEREBY DISCLAIMS ANY RESPONSIBILITY AS TO THE ACTUAL FIELD POSITION OF PROPERTY LINES AND MONUMENTATION AS DEPICTED ON THIS DOCUMENT.

DISCLAIMER

RECORDER'S NOTE

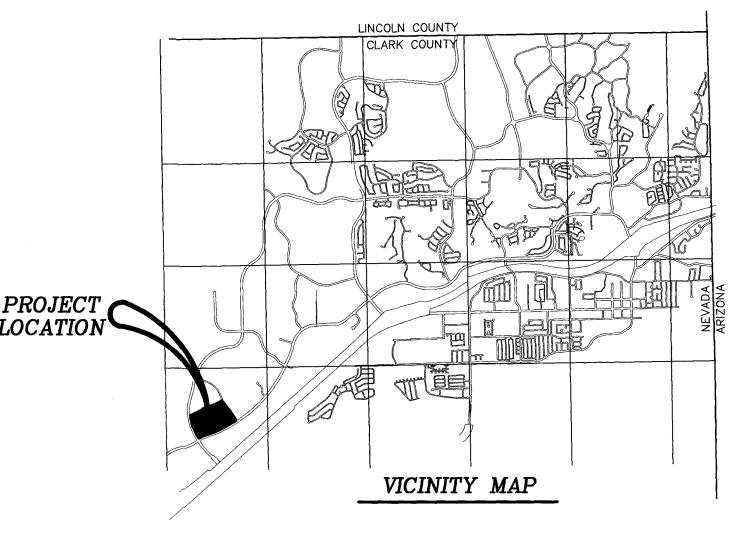
ANY SUBSEQUENT CHANGES TO THIS MAP SHOULD BE EXAMINED AND MAY BE DETERMINED BY REFERENCE TO THE COUNTY RECORDER'S CUMULATIVE MAP INDEX NRS 278.5695.

REFERENCE DOCUMENTS

- 1. PARCEL MAP, FILE 116, PAGE 87 OF PARCEL MAPS
- 2. FINAL MAP, BOOK 137, PAGE 63 OF PLATS 3. AMENDED FINAL MAP, BOOK 141, PAGE 78 OF PLATS
- 4. RECORD OF SURVEYS FILE 175, PAGE 15 OF SURVEYS
- 5. RECORD OF SURVEYS FILE 77, PAGE 37 OF SURVEYS 6. FINAL MAP, BOOK 148, PAGE 52 OF PLATS
- 7. RECORD OF SURVEYS FILE 223, PAGE 91 OF SURVEYS

FINAL MAP, MERGER AND RESUBDIVISION MESQUITE TECHNOLOGY AND COMMERCE CENTER, PHASE IV, A COMMERCIAL SUBDIVISION

LOCATED IN SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN, CITY OF MESQUITE, CLARK COUNTY, NEVADA



LEGAL DESCRIPTION

LOCATED IN SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN, CITY OF MESQUITE, CLARK COUNTY, NEVADA, AND BEING MORE PARTICULARLY DESCRIBED AS:

ALL OF LOT 204 AS RECORDED ON THE FINAL MAP, MERGER AND RESUBDIVISION, TECHNOLOGY AND COMMERCE CENTER, PHASE II IN BOOK 137, PAGE 63 OF PLATS IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA.

TOGETHER WITH:

LOCATED IN SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN, CITY OF MESQUITE, CLARK COUNTY, NEVADA, AND BEING MORE PARTICULARLY DESCRIBED AS:

ALL OF LOT 302 AS RECORDED ON THE FINAL MAP, MERGER AND RESUBDIVISION. TECHNOLOGY AND COMMERCE CENTER. PHASE III IN BOOK 148, PAGE 52 OF PLATS IN THE OFFICIAL RECORDS OF CLARK COUNTY,

TOGETHER WITH:

LOCATED IN THE WEST HALF OF SECTION 23, TOWNSHIP 13 SOUTH. RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN, CITY OF MESQUITE, CLARK COUNTY, NEVADA, AND BEING MORE PARTICULARLY DESCRIBED AS:

BEGINNING AT A POINT ON EASTERLY RIGHT-OF-WAY LINE OF LOWER FLAT TOP DRIVE (A 120.00 FOOT DEDICATED RIGHT-WAY), SAID POINT BEING THE SOUTHWEST CORNER OF LOT 303 THAT IS N89°07'45"E 1244.72 FEET ALONG THE QUARTER SECTION LINE AND SO0°52'15"E 0.66 FEET FROM THE WEST QUARTER CORNER OF SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN AS RECORDED ON THE FINAL MAP. MERGER AND RESUBDIVISION, TECHNOLOGY AND COMMERCE CENTER. PHASE III IN BOOK 148, PAGE 52 OF PLATS IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA AND RUNNING:

THENCE NORTHWESTERLY 226.98 FEET ALONG THE ARC OF A 2440.00 FOOT RADIUS NON-TANGENT CURVE TO THE RIGHT WITH A CENTRAL ANGLE OF 05"19'48" AND THE CENTER BEARS N78"44'03"E, ALONG THE SAID EASTERLY LINE OF LOWER FLAT TOP DRIVE;

THENCE N62°21'25"E 854.67 FEET TO THE EASTERLY LINE OF SAID

THENCE SOO'49'01"E 610.11 FEET THE ALONG SAID EASTERLY LINE TO THE SOUTHEAST CORNER OF SAID LOT 303; THENCE S89°09'08"W 731.96 FEET ALONG THE SOUTHERLY LINE TO SAID SOUTHWEST CORNER SAID LOT 303 AND THE POINT OF BEGINNING.

AS RECORDED ON THE RECORD OF SURVEY IN FILE 223, PAGE 91 OF

CONTAINS 63.57 ACRES, MORE OF LESS AS DESCRIBED, 1 LOT.

SURVEYS IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA

EASEMENTS

ALL LOTS TO HAVE A 10.00 FOOT PUBLIC UTILITY AND DRAINAGE EASEMENT ALONG EACH SIDE AND REAR LOT LINES AND A 10.00 FOOT PUBLIC UTILITY AND DRAINAGE EASEMENT ALONG FRONT LOT LINES CONTIGUOUS TO DEDICATED RIGHT-OF-WAY LINES.

THE PUBLIC UTILITY AND DRAINAGE EASEMENTS AS SHOWN HEREIN ARE INTENDED TO ACCOMMODATE FACILITIES OF ADJACENT AND UPSTREAM PROPERTIES. NEVADA DRAINAGE LAW REQUIRES THAT PROPERTIES OWNERS MUST ACCEPT, HISTORICAL OR LESS THAT, SURFACE RUNOFF FROM PROPERTIES THAT ARE UPSTREAM AND NOT IMPEDE SUCH RUNOFF TO PASS THROUGH THE SAID DRAINAGE EASEMENTS, REFER TO THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT DESIGN MANUAL, ADOPTED AUGUST 12,

VIRGIN VALLEY GEODETIC CONTROL

| | | GRID | GROUND | - | |
|--------------|---------------|------------|------------|---------------|-------------|
| DESCRIPTION | BEARING | DISTANCE | DISTANCE | NORTHING | EASTING |
| BERTINA | | | | 8,229,882.176 | 334,754.719 |
| | S 59°08'07" W | 6769.193 m | 22208.302' | | |
| S 1/4 SEC 23 | | | | 8,226,409.490 | 328,944.175 |
| | N 46°53'15" E | 3109.586 m | 10201.898' | | |
| HAFEN | | | | 8,228,534.684 | 331,214.123 |
| | | | | | |

NEVADA COORDINATE SYSTEM, EAST ZONE, NAD-83 BASED ON SURVEY FILE 77, PAGE 37.

SURVEYOR'S CERTIFICATE

I, VICTOR R. CAMPBELL, A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEVADA, CERTIFY THAT:

1. THIS PLAT REPRESENTS THE RESULTS OF A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION AT THE INSTANCE OF

2. THE LANDS SURVEYED LIE WITHIN SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN, CITY OF MESQUITE, CLARK COUNTY, NEVADA AND THE SURVEY WAS COMPLETED ON XXXXX XX.

3. THIS PLAT COMPLIES WITH THE APPLICABLE STATE STATUTES AND ANY LOCAL ORDINANCES IN EFFECT ON THE DATE THAT THE GOVERNING BODY GAVE ITS FINAL APPROVAL.

4. THE MONUMENTS DEPICTED ON THE PLAT WILL BE OF THE CHARACTER SHOWN AND OCCUPY THE POSITIONS INDICATED BY AND AN APPROPRIATE FINANCIAL GUARANTEE WILL BE POSTED WITH THE GOVERNING BODY BEFORE RECORDATION TO ASSURE THE INSTALLATION OF THE MONUMENTS.

VICTOR R. CAMPBELL PROFESSIONAL LAND SURVEYOR NEVADA LICENSE No. 11424 EXPIRATION DATE: DECEMBER 31, 2022

CITY ENGINEER'S CERTIFICATE

I, TRAVIS H. ANDERSON, P.E., CITY ENGINEER FOR THE CITY OF MESQUITE. NEVADA DO HEREBY CERTIFY: THAT ON THIS _____ DAY OF_ I 2021, DID EXAMINE THE "FINAL MAP, MERGER AND RESUBDIVISION. MESQUITE TECHNOLOGY AND COMMERCE CENTER, PHASE IV, A COMMERCIAL SUBDIVISION" AND THAT THE MAP SHOWN HEREIN IS TECHNICALLY CORRECT. IF THE FINAL MONUMENTS HAVE NOT BEEN SET, THEN A PROPER PERFORMANCE BOND, OR OTHER FINANCIAL ASSURANCE HAS BEEN DEPOSITED, TO GUARANTEE THEIR SETTING ON OR BEFORE THE DAY OF,

TRAVIS H. ANDERSON, P.E. CITY OF MESQUITE ENGINEER NEVADA LICENSE No. 16479 EXPIRATION DATE: DECEMBER 31, 2022

APPROVAL BY THE CITY OF MESQUITE

THIS IS TO CERTIFY THAT THE PLANNING DIRECTOR OF MESQUITE, NEVADA. DAY OF ON THIS , 2021 DID APPROVE FOR PURPOSES OF LAND DIVISION AND ACCEPT ON BEHALF OF THE PUBLIC, THIS MAP AND ANY PARCELS OF LAND OFFERED FOR DEDICATION FOR PUBLIC USE IN CONFORMITY WITH TERMS OF THE OFFER OF DEDICATION PER NRS 278.010 THROUGH 278.630.

RICHARD SECRIST PLANNING DIRECTOR

DISTRICT BOARD OF HEALTH CERTIFICATE

THIS FINAL MAP IS APPROVED BY THE SOUTHERN NEVADA HEALTH DISTRICT. THIS APPROVAL CONCERNS SEWAGE DISPOSAL, WATER POLLUTION, WATER QUALITY AND WATER SUPPLY FACILITIES, AND IS PREDICATED UPON PLANS FOR A PUBLIC WATER SUPPLY AND A COMMUNITY SYSTEM FOR DISPOSAL OF SEWAGE.

SOUTHERN NEVADA HEALTH

DATE

DIVISION OF WATER RESOURCES

THIS FINAL MAP IS APPROVED BY THE DIVISION OF WATER RESOURCES OF THE DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES CONCERNING WATER QUANTITY SUBJECT TO THE REVIEW OF APPROVAL ON FILE IN THIS OFFICE.

DIVISION OF WATER RESOURCES

FILE NAME:

2083FM1

DATE

FINAL MAP, MERGER AND RESUBDIVISION MESQUITE TECHNOLOGY AND COMMERCE CENTER, PHASE IV, A COMMERCIAL SUBDIVISION

LOCATED IN SECTION 23. TOWNSHIP 13 SOUTH, RANGE 70 FAST. MOUNT DIABLO BASE AND MERIDIAN, CITY OF MESQUITE, CLARK COUNTY, NEVADA

SCALE: NO SCALE

DRWN: V.R.C.

CHKD: V.R.C.

BULLOCH BROTHERS ENGINEERING, INC. CIVIL ENGINEERS-LAND SURVEYORS-LAND PLANNERS 750 WEST PIONEER BOULEVARD MESQUITE, NV 89027 (702)346-5100 DATE: SEPTEMBER 2021

2083

OFFICIAL RECORDS BOOK_ CLARK COUNTY, NEVADA RECORDS DEBBIE CONWAY, RECORDER 1 OF 2

__ DEPUTY±

FILED AT THE REQUEST OF

BULLOCH BROTHERS ENGINEERING

_ PAGE:_

"OF PLATS"



DEBBIE CONWAY Clark County Recorder

CONTACT

Office of the County Recorder Clark County, Nevada (702) 455-4336 RecWeb@ClarkCountyNV.gov

INST: 202201050000433

OFFICIAL CLARK COUNTY TITAN SEAL

About this seal:

https://clarkcountynv.gov/titanseal

Verify digital version:

https://titanseal.com/verify

Make sure there are 6 pages, including this one. At the top of every page it should say: Ethereum ID: 0x53e58485702d857e59303ff5cde33a7e2ca911af



I, Debbie Conway, hereby certify this document as a true and correct copy of the original on record with the Clark County Recorder's office.

| DESSIE Ceonway | January 5, 2022 |
|--------------------------------------|-----------------|
| Debbie Conway, Clark County Recorder | Date |

Per Nevada Revised Statute 239 Section 6, personal information may be redacted, but in no way affects the legality of the document.

OFFICIAL USE ONLY:

https://etherscan.io/address/0x53e58485702d857e59303ff5cde33a7e2ca911af https://etherchain.org/account/0x53e58485702d857e59303ff5cde33a7e2ca911af

APN: 002-23-211-002 PTN

WHEN RECORDED MAIL TO and MAIL TAX STATEMENT TO:

CROWN Cork & Seal USA, Inc 770 Township Line Road Yardley, PA 19067

ESCROW NO: []

Inst #: 20220105-0000433

Fees: \$42.00

RPTT: \$280.50 Ex #: 01/05/2022 07:03:53 AM Receipt #: 4841287

Requestor:

FNTG NCS Las Vegas

Recorded By: WDMN Pgs: 5

Debbie Conway

CLARK COUNTY RECORDER

Src: ERECORD Ofc: ERECORD

GRANT, BARGAIN, SALE DEED

THIS INDENTURE WITNESSETH: That City of Mesquite, a municipal corporation in consideration of \$7.24 and other valuable consideration, the receipt of which is hereby acknowledged, do hereby Grant, Bargain, Sell and Convey to CROWN Cork & Seal USA, Inc., a Delaware corporation and/or its assigns all that real property situated in the County of Clark, State of Nevada, bounded and described as follows:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

Subject to:

- 1. Taxes for the current fiscal year, paid current.
- 2. Conditions, covenants, restrictions, reservations, rights, rights of way and easements now of record, if any.

Together with all and singular the tenements, hereditaments and appurtenances thereunto belonging or in anywise appertaining.

Witness my/our hand(s) this 1 15th day of 1 December, [].

Seller:

City of Mesquite, Nevada

Allan S. Litman, Mayor

ALLAN S LITMAN

Dated: December 15, 2021

Page 1 of 3



| STATE OF NEVADA |) |
|-----------------|------|
| |) sa |
| COUNTY OF CLARK | j |

On this 15th day of Occuber 2021 appeared before me, a Notary Public,

Allan S. Litman

Mayor

personally known or proven to me to be the person(s) whose name(s) is/are subscribed to the above instrument, who acknowledged that he/she/they executed the instrument for the purposes therein contained.

Notary Public

My commission expires: (2)

MARTINE GREEN
Notary Public, State of Nevada
No. 17-1207-1
My Appt. Exp. Dec. 6, 2024



EXHIBIT A

BEING A PORTION OF LOT THREE HUNDRED THREE (303) OF FINAL MAP MERGER AND RESUBDIVISION OF MESQUITE TECHNOLOGY AND COMMERCE CENTER COMMERCIAL SUBDIVISION PHASE III, AS SHOWN BY MAP THEREOF ON FILE IN BOOK 148 OF PLATS, PAGE 52, AND LOCATED IN THE WEST HALF OF SECTION 23, TOWNSHIP 13 SOUTH, RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN, CLARK COUNTY, NEVADA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A POINT ON EASTERLY RIGHT-OF-WAY- LINE OF LOWER FLAT TOP DRIVE (A 120.00 FOOT DEDICATED RIGHT-WAY), SAID POINT BEING THE SOUTHWEST CORNER OF LOT 303 THAT IS NORTH 89°04'45" EAST 1244.72 FEET ALONG THE QUARTER SECTION LINE AND SOUTH 00°52'15" EAST 0.66 FEET FROM THE WEST QUARTER CORNER OF SECTION 23,, TOWNSHIP 13 SOUTH. RANGE 70 EAST, MOUNT DIABLO BASE AND MERIDIAN AS RECORDED ON THE FINAL MAP, MERGER AND RESUBDIVISION, TECHNOLOGY AND COMMERCE CENTER, PHASE III IN BOOK 148, PAGE 52 OF PLATS IN THE OFFICIAL RECORDS OF CLARK COUNTY, NEVADA AND RUNNING; THENCE NORTHWESTERLY 226,98 FEET ALONG THE ARC OF A 2440.00 FOOT RADIUS NON-TANGENT CURVE TO THE RIGHT WITH A CENTRAL ANGLE OF 05°19'48: AND THE CENTER BEARS NORTH 78°44'03" EAST, ALONG THE SAID EASTERLY LINE OF LOWER FLAT TOP DRIVE; THENCE NORTH 62°21'25" EAST 854.67 FEET TO THE EASTERLY LINE OF SAID LOT 303: THENCE SOUTH 00°49'01" EAST 610.11 FEET ALONG SAID EASTERLY LINE TO THE SOUTHEAST CORNER OF SAID LOT 303; THENCE SOUTH 89°09'08" WEST. 731.96 FEET ALONG THE SOUTHERLY LINE TO SAID SOUTHWEST CORNER. SAID LOT 303 AND THE POINT OF BEGINNING. ALSO DESCRIBED AS LOT 303A ON THAT CERTAIN RECORD OF SURVEY ON FILE IN FILE 223 OF SURVEYS, PAGE 91, IN THE OFFICE OF THE COUNTY RECORDER OF CLARK COUNTY, NEVADA.

APN: 002-23-211-002 PT



| | tate of Nevada eclaration of Value | |
|----------|--|---|
| | Assessor's Parcel Number(s) | |
| | a) 002-23-211-002 (PTN) | |
| | b) | |
| | c) | |
| | d) | |
| 2 | Type of Property: | |
| ~. | a) X□ Vacant Land b) □ Single Fam. | Res. FOR RECORDER'S OPTIONAL USE ONLY |
| | c) \square Condo/Twnhse d) \square 2-4 Plex | Book:Page: |
| | e) ☐ Apt. Bldg. f) ☐ Comm'l/Inc g) ☐ Agricultural h) ☐ Mobile Hon | 'I Date of Recording: Notes: |
| | g) | e Notes. |
| 3, | a. Total Value/Sales Price of Property: | \$% % 55,000.00 |
| | b. Deed in Lieu of Foreclosure Only (value of | f property): |
| | c. Transfer Tax Value: | \$55,000.00 |
| | d. Real Property Transfer Tax Due: | \$[] 280.50 |
| 4. | If Exemption Claimed: | |
| | a. Transfer Tax Exemption, per NRS 375.09 | 0, Section: [] |
| | b. Explain Reason for Exemption: [] | |
| 5. | Partial Interest: Percentage being transferred | []% |
| su pa | RS 375.110, that the information provided is pported by documentation if called upon to rties agree that disallowance of any claimed | ledges, under penalty of perjury, pursuant to NRS 375.060 and correct to the best of their information and belief, and can be substantiate the information provided herein. Furthermore, the exemption, or other determination of additional tax due, may |
| | sult in a penalty of 10% of the tax due plus in liler shall be jointly and severally liable for an | erest at 1% per month. Pursuant to NRS 375.030, the Buyer and y additional amount owed. |
| | gnature AA | Capacity [Grantor] |
| | gnature A D X KNA | Capacity [Grantee] Corposare Madager or Rober Espare |
| CE. | LLER (GRANTOR) INFORMATION | BUYER (GRANTEE) INFORMATION |
| <u> </u> | (REQUIRED) | (REQUIRED) |
| Pr | int Name: CITY OF MESQUITE | Print Name: CROWN Cork & Seal USA, Inc. |
| | ddress: 10 E MESQUITE BLVD MESQUITE | Address: 770 Township Line Road |
| | 1y | City: Yardley State: Pennsylvania Zip: 19067 |
| | ate: NV Zip: 69027 OMPANY/PERSON REQUESTING RECO | • |
| | Marina Santa | Escrow #: 42049819 / phi1212920 |
| | int Name: FNTG / NCS Idress: 8363 W Sunset Rd #100 | ESOLOW II. |
| | ty/State/Zip: <u>Las Vegas, NV 89113</u> | |

AS A PUBLIC RECORD THIS FORM MAY BE RECORDED/MICROFILMED

JESSIN COMMAY
RECORDER

CERTIFIED COPY THE AND
CORRECT COPY THE
RECORDED DOCUME
ANY REDACTED PI 170

STATE OF NEVADA DECLARATION OF VALUE

| 1. Assessor Parcel Number(s) | |
|---|--|
| a. 002-23-211-002 (PTN) | |
| b | |
| c. | |
| d. | |
| 2. Type of Property: | |
| a. Vacant Land b. Single Fam. Res. | FOR RECORDERS OPTIONAL USE ONLY |
| c. Condo/Twnhse d. 2-4 Plex | Book Page: |
| e, Apt. Bldg f. Comm'l/Ind'l | Date of Recording: |
| | Notes: |
| g. Agricultural h. Mobile Home Other | 110tes. |
| | \$ 55,000.00 |
| b. Deed in Lieu of Foreclosure Only (value of proper | |
| | \$ 55,000,00 |
| | |
| u. Real tropolty transfer tax Due | \$ 280.50 |
| 4. If Exemption Claimed: | |
| a. Transfer Tax Exemption per NRS 375.090, Sec | tion |
| b. Explain Reason for Exemption: | |
| C. Explain reason for Exemption | |
| 5. Partial Interest: Percentage being transferred: | % |
| The undersigned declares and acknowledges, under pe | |
| and NRS 375.110, that the information provided is co | |
| and can be supported by documentation if called upon | |
| Furthermore, the parties agree that disallowance of any | |
| additional tax due, may result in a penalty of 10% of the | |
| to NRS 375.030, the Buyer and Seller shall be jointly to | |
| | |
| Signature & Chilf Back | Canacity: Caracity |
| Signature) | |
| Signature | Canacity: |
| | |
| SELLER (GRANTOR) INFORMATION | BUYER (GRANTEE) INFORMATION |
| (REQUIRED) | (REQUIRED) |
| Print Name: Ciyt of Mesquite | Print Name: CROWN Cork & Seal USA, Inc. |
| Address: 10 E. Mesquite Blvd. | Address: 770 Township Line road |
| City: Mesquite | City: Yardley |
| State: NV Zip: 89027 | State:Pennsylvania Zip: 19067 |
| | San Control of the Co |
| COMPANY/PERSON REQUESTING RECORDIS | VG (Required if not seller or buyer) |
| Print Name: FNTG / NCS | Escrow # 42049819 / PHI1212920 |
| Address: 8363 W. Sunset Road. #100 | 42043013 / FIII1212320 |
| City: Las Vegas, NV 89113 | Skate(xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| City, Las vegas, iv out to | Post & haranananana Asia fair |

AS A PUBLIC RECORD THIS FORM MAY BE RECORDED/MICROFILMED





ARCHITECTURAL III PANEL SPECIFICATIONS

1. PRODUCT NAME

American Architectural III Panels for wall applications.

2. MANUFACTURER

AMERICAN BUILDINGS COMPANY

3. PRODUCT DESCRIPTION

These wall panels provide 36" width coverage with a decorative shadow line and semi-concealed fasteners. Rib height is 1 1/4" on 12" centers.

Basic Use: A wall panel system for new or retrofit construction.

Materials: Architectural III wall panels are available in 29, 26, 24 gage 80,000 psi or 22 gage 50,000 psi in either G90 zinc-coated (galvanized) steel or aluminum-zinc alloy-coated (AZ50 or AZ55) steel. Pre-painted Panels have PVDF or SP (Silicone-Polyester) finish. An embossed finish is available as an option. Architectural III panels are attached to the secondary framing members by self-drilling carbon steel screws, No. 12 x 1 1/4" hex washer head, cadmium or zinc plated. Architectural III panel sidelaps are stitched with self-drilling carbon steel screws, No. 14 X 3/4" cadmium or zinc plated. Fasteners are normally color coordinated with a premium coating system that protects against corrosion and weathering.

Maximum insulation thickness allowed with these panels is 6".

4. TECHNICAL DATA

The Architectural III panel has been tested in accordance with Air Infiltration, ASTM E 283 and Water Penetration, ASTM E331. The Architectural III panel has also been Miami-Dade County approved This panel has received a Class A fire rating when tested in accordance with test procedure ASTM E108.

5. INSTALLATION

Installation should be performed in accordance with American Buildings Company's manuals and building erection drawings, and should be by a qualified installer using proper tools and equipment. Systems are installed by American Buildings Company Authorized Builders.

6. AVAILABILITY

For availability, contact:

AMERICAN BUILDINGS COMPANY

7. WARRANTY

Thirty-five year material warranties are available.

8. MAINTENANCE

Only normal routine maintenance is required over the life of the panels.

9. TECHNICAL SERVICES

For information, contact:

AMERICAN BUILDINGS COMPANY

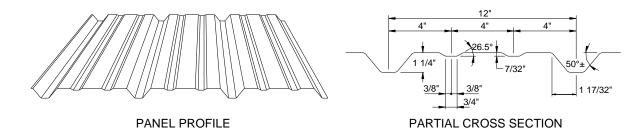
10. PRODUCT NOTES

American Buildings Company reserves the right to revise all standard specifications and information. American Buildings Company regularly updates its published "Standard Specifications" on the American Buildings web site, www.americanbuildings.com, which supercede and replace any previously published standard specifications of American Buildings Company.

....continued



ARCHITECTURAL III PANEL SPECIFICATIONS



| | Engineering Properties of American Buildings Company Architectural III Panel (ASD) | | | | | | | | | | | | | |
|------------|--|--------|--------|----------------------------|--------------------------|--------------------------|-------------|--------------|--------------------------|-------------|-----|--|--|--|
| Designated | Steel | Base | Total | Panel Base | | Top In Bottom In | | | | | | | | |
| Gage | Yield | Metal | Thick. | Metal Weight | | Compression | | | Compression | | Fb | | | |
| of | KSI | Thick. | (ln.) | (lbs. / ft. ²) | lx | Sx | Ma | lx | Sx | Ma | KSI | | | |
| Steel | | (ln.) | | | (In. ⁴ / ft.) | (In. ³ / ft.) | K-IN. / ft. | (In.4 / ft.) | (In. ³ / ft.) | K-IN. / ft. | | | | |
| 29 Ga. | 80 | 0.0137 | 0.0153 | 0.66 | 0.026 | 0.035 | 1.27 | 0.030 | 0.025 | 0.91 | 36 | | | |
| 26 Ga. | 80 | 0.0177 | 0.0193 | 0.86 | 0.035 | 0.046 | 1.66 | 0.043 | 0.037 | 1.34 | 36 | | | |
| 24 Ga. | 80 | 0.0225 | 0.0241 | 1.09 | 0.047 | 0.059 | 2.14 | 0.060 | 0.054 | 1.95 | 36 | | | |
| 22 Ga. | 50 | 0.0300 | 0.0316 | 1.45 | 0.070 | 0.081 | 2.44 | 0.083 | 0.085 | 2.56 | 30 | | | |

| Gage | No. | Load | | Maximum Total Uniform Load in PSF | | | | | | | | | | | | | | |
|--------|-------|------|------|-----------------------------------|------|-----|------|------|-----|---------|-----------|------|-----|-----|------|-----|------|-----|
| of | of | Type | | | | | | | S | pan Lei | ngths, Ft | | | | | | | |
| Panel | Spans | • • | 3.0 | 00 | 3. | 50 | 4. | 4.00 | | 4.50 | | 5.00 | | 00 | 7.00 | | 7.50 | |
| | 1 | POS | 76 | С | 65 | С | 53 | В | 42 | В | 34 | В | 23 | В | 17 | В | 15 | В |
| | ' | NEG | -67 | В | -49 | В | -38 | В | -30 | В | -24 | В | -17 | В | -12 | В | -11 | В |
| 29 Ga. | 2 | POS | 46 | С | 40 | С | 35 | С | 29 | B+S | 23 | B+S | 16 | B+S | 12 | B+S | 11 | B+S |
| | 2 | NEG | -49 | Р | -42 | Р | -37 | Р | -33 | Р | -30 | Р | -22 | B+S | -17 | B+S | -15 | B+S |
| | 3 | POS | 53 | С | 45 | С | 39 | С | 35 | B+S | 29 | B+S | 20 | B+S | 15 | B+S | 13 | B+S |
| | 3 | NEG | -56 | Р | -48 | Р | -42 | Р | -37 | Р | -34 | Р | -26 | В | -19 | В | -17 | В |
| | 4 | POS | 51 | С | 43 | С | 38 | С | 33 | B+S | 27 | B+S | 19 | B+S | 14 | B+S | 12 | B+S |
| | 4 | NEG | -54 | Р | -46 | Р | -40 | Р | -36 | Р | -32 | Р | -26 | B+S | -19 | B+S | -17 | B+S |
| | 1 | POS | 122 | С | 91 | В | 69 | В | 55 | В | 44 | В | 31 | В | 23 | В | 20 | В |
| | 1 | NEG | -99 | В | -73 | В | -56 | В | -44 | В | -36 | В | -25 | В | -18 | В | -16 | В |
| | 2 | POS | 75 | С | 64 | С | 54 | B+S | 43 | B+S | 35 | B+S | 24 | B+S | 18 | B+S | 16 | B+S |
| 26 Ga. | 2 | NEG | -64 | Р | -55 | Р | -48 | Р | -42 | Р | -38 | Р | -30 | B+S | -22 | B+S | -19 | B+S |
| 20 Ga. | 3 | POS | 85 | С | 73 | С | 64 | С | 53 | B+S | 44 | B+S | 30 | B+S | 22 | B+S | 20 | B+S |
| | | NEG | -72 | Р | -62 | Р | -54 | Р | -48 | Р | -43 | Р | -36 | Р | -28 | B+S | -24 | B+S |
| | 4 | POS | 82 | С | 70 | С | 61 | С | 50 | B+S | 41 | B+S | 28 | B+S | 21 | B+S | 18 | B+S |
| | | NEG | -70 | Р | -60 | Р | -52 | Р | -46 | Р | -42 | Р | -35 | Р | -26 | B+S | -23 | B+S |
| | 1 | POS | 158 | В | 116 | В | 89 | В | 70 | В | 57 | В | 40 | В | 29 | В | 25 | В |
| | ' | NEG | -145 | В | -106 | В | -81 | В | -64 | В | -52 | В | -36 | В | -27 | В | -23 | В |
| | 2 | POS | 117 | С | 100 | С | 80 | B+S | 63 | B+S | 52 | B+S | 36 | B+S | 26 | B+S | 23 | B+S |
| 24 Ga. | 2 | NEG | -81 | Р | -69 | Р | -61 | Р | -54 | Р | -49 | Р | -39 | B+S | -29 | B+S | -25 | B+S |
| 24 Ga. | 3 | POS | 133 | С | 114 | С | 99 | B+S | 79 | B+S | 64 | B+S | 45 | B+S | 33 | B+S | 29 | B+S |
| | 3 | NEG | -92 | Р | -79 | Р | -69 | Р | -61 | Р | -55 | Р | -46 | Р | -36 | B+S | -31 | B+S |
| | 4 | POS | 128 | С | 110 | С | 93 | B+S | 74 | B+S | 60 | B+S | 42 | B+S | 31 | B+S | 27 | B+S |
| | 7 | NEG | -89 | Р | -76 | Р | -66 | Р | -59 | Р | -53 | Р | -44 | Р | -34 | B+S | -29 | B+S |
| | 1 | POS | 180 | В | 133 | В | 102 | В | 80 | В | 65 | В | 45 | В | 33 | В | 29 | В |
| | | NEG | -189 | В | -139 | В | -107 | В | -84 | В | -68 | В | -47 | В | -35 | В | -30 | В |
| | 2 | POS | 166 | С | 136 | B+S | 105 | B+S | 83 | B+S | 67 | B+S | 47 | B+S | 35 | B+S | 30 | B+S |
| 22 Ga. | | NEG | -114 | Р | -98 | Р | -86 | Р | -76 | Р | -64 | B+S | -45 | B+S | -33 | B+S | -29 | B+S |
| 22 Oa. | 3 | POS | 188 | С | 161 | С | 130 | B+S | 103 | B+S | 84 | B+S | 59 | B+S | 43 | B+S | 38 | B+S |
| | 3 | NEG | -130 | Р | -111 | Р | -98 | Р | -87 | Р | -78 | Р | -56 | B+S | -41 | B+S | -36 | B+S |
| | 4 | POS | 181 | С | 155 | С | 122 | B+S | 97 | B+S | 79 | B+S | 55 | B+S | 40 | B+S | 35 | B+S |
| | 7 | NEG | -125 | Р | -107 | Р | -94 | Р | -83 | Р | -75 | B+S | -52 | B+S | -38 | B+S | -34 | B+S |

^{1.} The panels are checked for bending (B), shear (S), combined bending and shear (B+S), deflection (D), web crippling (C), and panel pullover (P). The controlling check is noted in the table. Deflection is limited to span/60, and includes the permitted wind load reduction factor of 0.7 times the "components and cladding" loads as noted in footnote f of IBC Table 1604.3.

^{2.} Section Properties are calculated in accordance with the 2012 North American Specification for the Design of Cold-Formed Steel Structural Members.

^{3.} Minimum yield strength of 29, 26 and 24 gage steel is 80,000 psi. Minimum yield strength of 22 gage steel is 50,000 psi.

^{4.} Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness is used in determining section properties.

Positive load (POS) is applied inward toward the panel supports, and is applied to the outer surface of the full panel cross-section. Negative load (NEG) is in the opposite direction.



A NUCOR COMPANY

STANDING SEAM 360 PANEL SPECIFICATIONS

1. PRODUCT NAME

American Standing Seam 360 panel for roof applications

2. MANUFACTURER

AMERICAN BUILDINGS COMPANY

3. PRODUCT DESCRIPTION

These standing seam panels float on a system of sliding clips that prevent damage from thermal expansion and contraction. Standing seam designs also eliminate 80% of the through fasteners found in other systems for greater weathertightness. Standing Seam 360 panels provide 24" width coverage with 2" high ribs – 3" including the seam. Minimum roof slope for the Standing Seam 360 roof panels is ½ to 12.

Basic Use: A roof covering system for new or retrofit construction.

Materials: Standing Seam 360 panels are available in 24 and 22 gage 50,000 psi in either G90 zinc-coated (galvanized) steel or aluminum-zinc alloy-coated (AZ50 or AZ55) steel. Pre-painted panels have PVDF finish.

The Standing Seam 360 concealed (S3PC-) clip is a two part assembly. The tab portion is die formed of 0.031 thick aluminum-zinc alloy-coated steel. The base shall be die formed 12 gage zinc-coated (galvanized) material 2-1/4" or 3-1/4" (for thermal blocks) high and 6" long. The expansion capability is 2-1/2". For higher uplift values requirements, optional panel clips (S3PC-R) consists of panel clip (S3PC-_) with an additional panel to clip fastening base which is 16 gage, zinc-coated (galvanized) material are available. Standing Seam 360 sidelaps have factory applied mastic, SikaLastomer-511 or equal. Its composition is 85% solids by weight. Service temperature range is -60°F to + 220°F. Endlaps, roof flashing laps, ridges and eave closures are sealed with tape mastic, Sika Sika-Tape TC-95 or equal. The material is non-staining, non-corrosive, non-toxic and nonvolatile. Composition is 100% solid isobutylene tripolymer tape. Service temperature is -60°F to +212°F.

Caulk: Eaves, endlaps, ridge and eave closures are sealed with non-skinning butyl caulk, SikaLastomer-511 or equal. Its composition is 85% solids by weight. Service temperature range is -60°F to + 220°F. All gutter and downspout joints, and roof accessories are sealed with polyurethane caulk, Sika SikaFlex 219LM or equal. It meets or exceeds Federal Specification TT-S-00230C, Type II, Class A.

All fasteners for panel to secondary framing and panel to panel will be one of the following EPDM washer head screws. *Fasteners:* Roof fasteners shall be No. 14 x 1" self-drilling carbon steel screws with a molded zinc alloy hex washer head.

Standing Seam 360 panel clips are attached to the purlins with the following fasteners: Self-drilling screws are carbon steel No. 12 x 1-1/4" hex head, cadmium or zinc plated. Maximum "over the purlin" insulation thickness allowed with these panels is 4" without thermal blocks and 8" with thermal blocks and tall clips.

4. TECHNICAL DATA

The Standing Seam 360 panel has received a Class 90 Wind Uplift rating by Underwriters Laboratories when tested in accordance with test procedure UL 580. The Standing Seam 360 roof panel has been Factory Mutual and Miami-Dade County approved. This panel has been tested in accordance with Wind Uplift ASTM E1592 and CEGS 07416, Air Infiltration, ASTM E1680 and Water Penetration, ASTM E1646. This panel has been approved for SREF (SSTD-97) Impact Testing. This panel has received a Class A fire rating when tested in accordance with test procedure ASTM E108.

5. INSTALLATION

Panels are joined at the sidelap with an interlocking 360 degree seam standing one inch above the major rib. Panel sidelaps are seamed by a special electrical seaming machine. Sidelap sealer is factory applied. Roof systems are installed by American Buildings Company Authorized Builders. Installation may be incorporated with a light gage structural system.

6. AVAILABILITY

For availability, contact:

AMERICAN BUILDINGS COMPANY

7. WARRANTY

Thirty-five year material and twenty-year weathertightness warranties are available.

8. MAINTENANCE

Only normal routine maintenance is required over the life of the panels.

9. TECHNICAL SERVICES

For information, contact:

AMERICAN BUILDINGS COMPANY

....continued



STANDING SEAM 360 PANEL SPECIFICATIONS

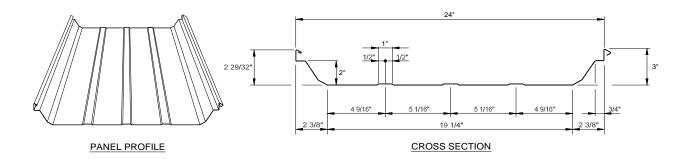
A NUCOR COMPANY

10. PRODUCT NOTES

A certain amount of waviness called "oilcanning" may exist in this panel. Minor waviness of the panel is not sufficient cause for rejection, because oilcanning does not affect the structural integrity of the panel. Standing Seam Panels in general are known for their tendency to rumble in high winds if insulation is not used. SSII and SS360 are no different. Under no circumstances should SSII or SS360 be used

without blanket insulation between the panel and the purlin/bar joist.

American Buildings Company reserves the right to revise all standard specifications and information. American Buildings Company regularly updates its published "Standard Specifications" on the American Buildings web site, www.americanbuildings.com, which supercede and replace any previously published standard specifications of American Buildings Company.



| | Engineering Properties of American Buildings Company Standing Seam 360 Panel (ASD) | | | | | | | | | | | | | |
|------------|--|--------|--------|---------------|--------------|--------------------------|-------------|--------------------------|--------------------------|-------------|-----|--|--|--|
| Designated | Steel | Base | Total | Panel Base | | Top In | | Bottom In | | | | | | |
| Gage | Yield | Metal | Thick. | Metal Weight | | Compression | | Compression | | | | | | |
| of | KSI | Thick. | (ln.) | (lbs. / ft.2) | lx | lx Sx Ma | | | Sx | Ma | KSI | | | |
| Steel | | (ln.) | | | (ln.4 / ft.) | (In. ³ / ft.) | K-IN. / ft. | (In. ⁴ / ft.) | (In. ³ / ft.) | K-IN. / ft. | | | | |
| 24 Ga. | 50 | 0.0225 | 0.0241 | 1.13 | 0.278 | 0.116 | 3.48 | 0.126 | 0.080 | 2.41 | 30 | | | |
| 22 Ga. | 50 | 0.0300 | 0.0316 | 1.50 | 0.372 | 0.159 | 4.76 | 0.177 | 0.111 | 3.32 | 30 | | | |

| Gage | No. | Load | Maximum Total Uniform Load in PSF | | | | | | | | | | | | | | | |
|--------|-------|------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| of | of | Type | Span Lengths, Ft. | | | | | | | | | | | | | | | |
| Panel | Spans | | 1.50 2.00 2.50 3.00 3.50 4.00 4.50 | | | | | 5.0 | 00 | | | | | | | | | |
| | 1 | POS | 1032 | В | 581 | В | 372 | В | 258 | В | 190 | В | 145 | В | 115 | В | 93 | В |
| 24 Ga. | 2 | POS | 548 | B+S | 340 | B+S | 230 | B+S | 165 | B+S | 123 | B+S | 96 | B+S | 76 | B+S | 62 | B+S |
| 24 Ga. | 3 | POS | 631 | B+S | 402 | B+S | 275 | B+S | 199 | B+S | 151 | B+S | 117 | B+S | 94 | B+S | 77 | B+S |
| | 4 | POS | 606 | B+S | 382 | B+S | 261 | B+S | 188 | B+S | 142 | B+S | 110 | B+S | 88 | B+S | 72 | B+S |
| | 1 | POS | 1409 | В | 793 | В | 507 | В | 352 | В | 259 | В | 198 | В | 157 | В | 127 | В |
| 22 Ga. | 2 | POS | 798 | B+S | 487 | B+S | 325 | B+S | 231 | B+S | 173 | B+S | 133 | B+S | 106 | B+S | 86 | B+S |
| 22 Ga. | 3 | POS | 930 | B+S | 580 | B+S | 393 | B+S | 282 | B+S | 212 | B+S | 164 | B+S | 131 | B+S | 107 | B+S |
| | 4 | POS | 889 | B+S | 551 | B+S | 371 | B+S | 266 | B+S | 199 | B+S | 154 | B+S | 123 | B+S | 100 | B+S |

- 1. The panels are checked for bending (B), shear (S), combined bending and shear (B+S) and deflection (D). The controlling check is noted in the table. Deflection is limited to span/60.
- 2. Section Properties are calculated in accordance with the 2012 North American Specification for the Design of Cold-Formed Steel Structural Members.
- 3. Minimum yield strength of 24 and 22 gage steel is 50,000 psi.
- 4. Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness is used in determining section properties.
- 5. Positive load (POS) is applied inward toward the panel supports, and is applied to the outer surface of the full panel cross-section.

PVDF Cool Coatings

PVDF utilizes a two-coat system featuring fade resistant color, incredible durability, and environmentally-friendly "cool" technology.



| Regal White [†] | IR .72 SRI 88 | Reflective White *† | IR .63 SRI 76 | Warm White † | IR .63 SRI 76 |
|--------------------------|---------------|---------------------|---------------|----------------|---------------|
| | | | | | |
| Pearl Gray *† | IR .47 SRI 54 | Desert Sand *† | IR .57 SRI 67 | Surrey Beige † | IR .50 SRI 56 |
| Slate Gray † | IR .37 SRI 40 | Royal Blue † | IR .30 SRI 30 | Terra Cotta † | IR .36 SRI 38 |
| Cypress Green † | IR .31 SRI 31 | Dark Bronze † | IR .32 SRI 33 | Brite Red * † | IR .38 SRI 40 |
| Charcoal *† | IR .32 SRI 34 | Midnight Black *† | IR .27 SRI 26 | Galvalume ** | IR .77 SRI 72 |

^{*}Non-Stock Color: Extended lead times may apply. *The Galvalume coating process is likely to result in variances in spangle (size, number, and reflection) from coil to coil which may result in noticeable shade variations. Galvalume is also subject to variable weathering and may appear to have different shades due to weathering characteristics. These shade variations are not cause for rejection. †ENERGY STAR® Qualified Color. All standard PVDF colors have a 35-year finish warranty. Colors shown closely approximate actual coating colors. These colors utilize Cool Coating Technology. The term "TBK" on the Order Document refers to "To Be Selected" from standard PVDF colors as shown on this chart. Please note that PVDF is a slight upcharge over SP.



PVDF Cool Coatings

Product Specifications



Solar Reflectance, Thermal Emittance and Solar Reflectance Index (SRI)

Solar Reflectance

To be considered "cool," products must have a Solar Reflectance of at least .25. Solar Reflectance is the fraction of the total solar energy that is reflected away from a surface.

Thermal Emittance

Thermal Emittance is the measure of a panel's ability to release heat that it has absorbed.

Solar Reflectance Index (SRI)

Put Solar Reflectance and Thermal Emittance together and you get the Solar Reflectance Index (SRI). SRI is calculated by using the values of solar reflectance, thermal emittance and a medium wind coefficient. The higher the SRI value, the lower its surface temperature and consequently, the heat gain into the building. Metal roofs coated with pigmented PVDF resin achieve an SRI of 26-88, depending on the color.

Conventional roof surfaces have low reflectance (0.05 to 0.25) and high thermal emittance (typically over .85). Roof panels with both high reflectance and high emittance can reduce the surface temperature by as much as 30-50% based on color and geographic location, which will result in a reduced heat gain to the building, therefore reducing the energy demand.

GALVALUME® is a registered trademark of BIEC International Inc., and some of its licensed producers.

PVDF COOL PANEL COLORS

| PVDF Cool Color | Initial Solar Reflectance (IR) | Initial Thermal Emittance | Solar Reflectance Index (SRI) | |
|------------------|-----------------------------------|------------------------------|----------------------------------|--|
| Regal White | .72 | 0.85 | 88 | |
| Reflective White | .63 | 0.86 | 76 | |
| Warm White | .63 | 0.86 | 76 | |
| Pearl Gray | .47 | 0.86 | 54 | |
| Desert Sand | .57 | 0.86 | 67 | |
| Surrey Beige | .50 | 0.85 | 56 | |
| Slate Gray | .37 | 0.85 | 40 | |
| Royal Blue | .30 | 0.85 | 30 | |
| Terra Cotta | .36 | 0.85 | 38 | |
| Cypress Green | .31 | 0.85 | 31 | |
| Dark Bronze | .32 | 0.86 | 33 | |
| Brite Red | .38 | 0.84 | 40 | |
| Charcoal | .32 | 0.86 | 34 | |
| Midnight Black | .27 | 0.85 | 26 | |
| Galvalume® | .77 | 0.08 | 72 | |

PVDF COOL TECHNICAL INFORMATION

| Test | Test Methods | Performance | | | | |
|------------------------|--|---|--|--|--|--|
| Dry Film Thickness | ASTM D1400 | 0.15 - 0.30 mil primer 0.70 - 0.90 mil topcoat | | | | |
| Gloss | ASTM D523 @ 60° | 25 - 35 | | | | |
| Solar Reflectance | ASTM E903 Steep Slope: Low Slope: | >25% Initial >15% after 3 years >65% Initial >50% after 3 years | | | | |
| Emissivity | ASTM C1371, ASTM E408 | 0.80 (80%) min. | | | | |
| Pencil Hardness | ASTM D3363 | F-2H | | | | |
| Flexibility | T-Bend, ASTM D4145 | 0 - 2 T-Bend; No pick off | | | | |
| Adhesion | ASTM D3359 | No adhesion loss | | | | |
| Reverse Impact | ASTM D2794 | No cracking or adhesion loss | | | | |
| Abrasion, Falling Sand | ASTM D968 | 65 - 85 I/mil | | | | |
| Mortar Resistance | ASTM C267 | No effect | | | | |
| Detergent Resistance | ASTM D2248 3% detergent @ 100°F (72 hrs.) | No Effect | | | | |
| Acid Resistance | ASTM D1308 10% muriatic acid - 24 hrs. 20% sulfuric acid - 18 hrs. | No effect No effect | | | | |
| Acid Rain Test | Kesternich SO2, DIN 50018 | 15 cycles min. No objectionable color change | | | | |
| Alkali Resistance | ASTM D1308 10%, 25% NaOH, 1 hr. | No effect | | | | |
| Salt Spray Resistance | ASTM B117 5% salt fog @ 95°F | None or few #8 blisters; Max. average 1/8" Scribe creep Passes 1000 hrs. | | | | |
| Humidity Resistance | ASTM D714, ASTM D2247 100% relative humidity @ 95°F | Passes 1500 hrs. No #8 blisters | | | | |
| Exterior Exposure | ASTM D2244, ASTM D 4214 10 yrs. @ 45°F, South Florida | Max. 5 fade Max. 8 chalk | | | | |



Product Data Sheet

Concrete Masonry Units 04 220-1
COLOR: TAN

PRODUCT NAME

Split Face Concrete Masonry Units

MANUFACTURER

Basalite Concrete Products, LLC 2600 Boeing Way Carson City, NV 89706 P. (775) 358-1200 F. (775) 359-5997 www.basalite.com

PART 1 - GENERAL

SUBMITTAL

Submit color samples for selection from manufacturer's offering. Submit product data sheet, certifications, and sample(s) of each color specified.

QUALITY ASSURANCE
<u>Certifications:</u> Concrete blocks for finishing shall conform to ASTM C90-08.

Units may contain pre-consumer and post-consumer recycled content. Contact your Basalite Architectural representative for details.

Basalite products offer high thermal mass properties, regional materials and low life-cycle costs, mold resistance and will last the life of the building. No VOC's. Available in a wide color selection. In addition, custom colors can be provided. Split Face units are ideal for exterior applications. The structural integrity of these units results in a one-step, single-trade installation process.

<u>Fire Resistance:</u> Define hourly ratings required by NCMA TEK Notes, available at <u>www.ncma.org.</u>

Field Constructed Mock-Ups:
Construct a sample panel, no less than 4' x 4', of each color and size units to be used in the project.

A full size unit is preferred to illustrate color and texture for

approval. Manufacturer requires a sample panel be installed at the jobsite prior to installation of any Basalite product. This panel will represent both the quality and the color range of the product and the workmanship to be expected for the project. Either the owner or architect for the project must approve the panel.

DELIVERY, STORAGE AND HANDLING

Basalite CMU (concrete masonry units) shall be delivered to the jobsite. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

PROJECT/SITE CONDITIONS
Protection of Work: Cover walls
each day after installation to keep
open walls protected and dry. After
units are installed, they should be
protected from damage by other
trades performing operations that
can stain or otherwise damage the
finished surfaces by covering walls
with plastic. Corners should be
protected from damage after
installation.

PART 2 - PRODUCTS

PRODUCT NAME

Split Face Concrete Masonry Units

MANUFACTURER
Basalite Concrete Products, LLC
2600 Boeing Way
Carson City, NV 89706
P. (775) 358-1200
F. (775) 359-5997
www.basalite.com

RELATED MATERIALS

Colored matching or contrasting mortar is available from Basalite. Consult the manufacturer at



<u>www.basalite.com</u> for mortar type, colors available, and specifications.

SIZES AND SHAPES

- Nominal 2", 4", 6", 8", 10" and 12" widths
- Nominal 8" high and 16" long units
- Half units and half-high units available

High-strength units for special structural requirements and oversized units are also available.

MASONRY CLEANERS

Carefully follow manufacturer's instructions, use Custom Masonry Cleaner by PROSOCO. Do not high pressure power-wash. Light sand blast method acceptable. Follow all safety and environmental regulations. Sample cleaning on test panel recommended for final approval of the best method for that texture.

PART 3 - EXECUTION

LAYING MASONRY WALLS Draw blocks from more than one pallet at a time during installation. Refer to NCMA TEK Notes, available at www.basalite.com, for Hot and Cold weather construction practices.

Lay units using the best concrete masonry practices. Install only quality units; reject all defective units as defined by ASTM C90. Lay blocks with the faces level, plumb and true to the line strung horizontally at the finished face. Units shall have uniform, 3/8"-wide



Product Data Sheet

joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are thumb print hard. Make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

<u>Lighting:</u> Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use direct lighting.

<u>Cutting:</u> Make all unit cuts, including those for bonding, holes, and boxes, etc., with motor-driven masonry saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

MORTAR BEDDING AND JOINTING

- Lay units with full mortar coverage on head and bed joints taking care not to block cores to be grouted or filled with masonry insulation.
- Tool all mortar joints when thumbprint hard into a concave configuration.
- Care should be taken to remove mortar from the face of masonry units before it sets.
- 4. Tuckpoint the joints for proper appearance.

FLASHING OF MASONRY WORK Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices. Consult NCMA TEK Notes, available at www.basalite.com, for additional flashing information.

WEEP HOLES AND VENTS Install weep holes and vents at proper intervals at courses above grade and at any water stops over windows, doors and beams.

INSPECTION

The textured faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty (20) feet to the wall with normal lighting.

CLEANING

Keep walls clean daily during installation using brushes. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected may mar the surface of the blocks.

FINAL CLEANDOWN

Clean the completed walls with PROSOCO Custom Masonry Cleaner strictly following the manufacturer's instructions – including thorough rinsing.

Do not high-pressure power wash. High-pressure power washing may cause efflorescence. (Maximum psi is 50.)

Failure to follow manufacturer's instructions can result in permanent damage to the finished faces.

MAINTENANCE

Basalite Split Face concrete masonry units, properly installed and cleaned, need virtually no maintenance other than routine cleaning. For tough stains, contact manufacturer for specific cleaning recommendations.

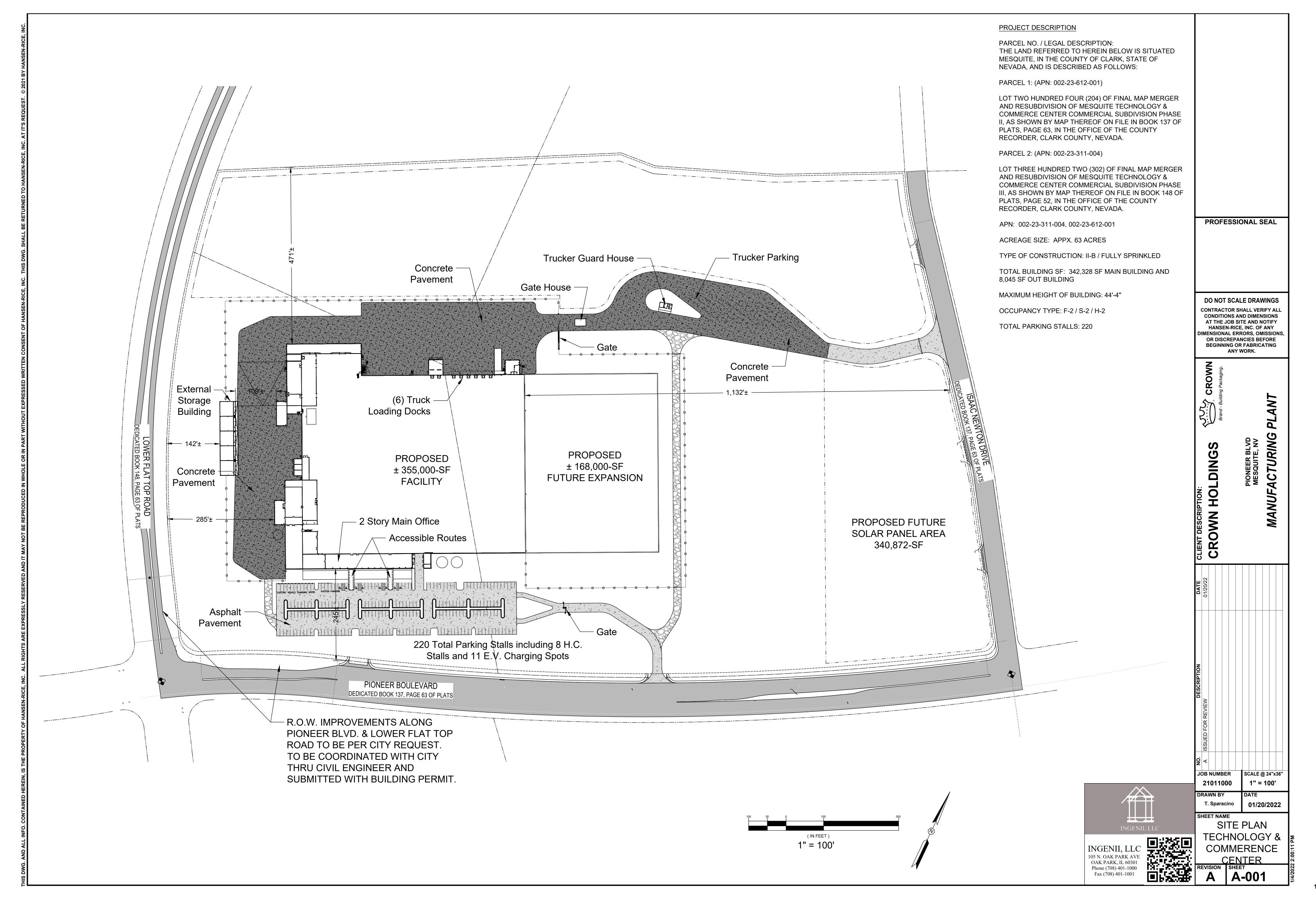


LIMITATIONS

- The facing is not intended for use as an impervious surface.
- Integral water repellents and or Concrete Masonry Sealers are strongly recommended with Basalite Concrete masonry units.

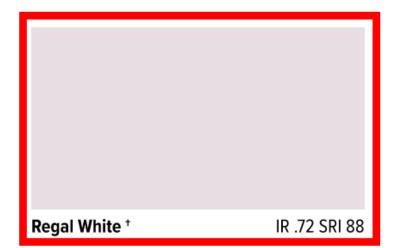
LIMITED PRODUCT WARRANTY

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other than the general purpose for which it is intended. This warranty runs for one (1) year from the date the product was purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement of defective product or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.









METAL WALL & ROOF COLOR REGAL WHITE PVDF COATING



METAL WALL PANEL ARCHITECTURAL III PANEL



METAL ROOF PANEL STANDING SEAM 360



CMU WALL SPLIT FACE TAN



1717 E Chisholm Dr. Nampa, ID 83687 P 208 465 0200 F 208 465 0272

WWW.HANSEN-RICE.COM

PROFESSIONAL SEAL

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE AND NOTIFY HANSEN-RICE, INC. OF ANY DIMENSIONAL ERRORS, OMISSIONS
OR DISCREPANCIES BEFORE
BEGINNING OR FABRICATING
ANY WORK.

PIONEEI MESQUI

SCALE @ 24"x36" 21011000

01/19/22

SHEET NAME RENDERING **VIEWS**

A-901



1717 E Chisholm Dr. Nampa, ID 83687 P 208 465 0200 F 208 465 0272

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BEGINNING OR FABRICATING
ANY WORK.

1 NW CORNER PERSPECTIVE 12" = 1'-0"



METAL WALL & ROOF COLOR REGAL WHITE PVDF COATING



METAL WALL PANEL ARCHITECTURAL III PANEL



METAL ROOF PANEL STANDING SEAM 360



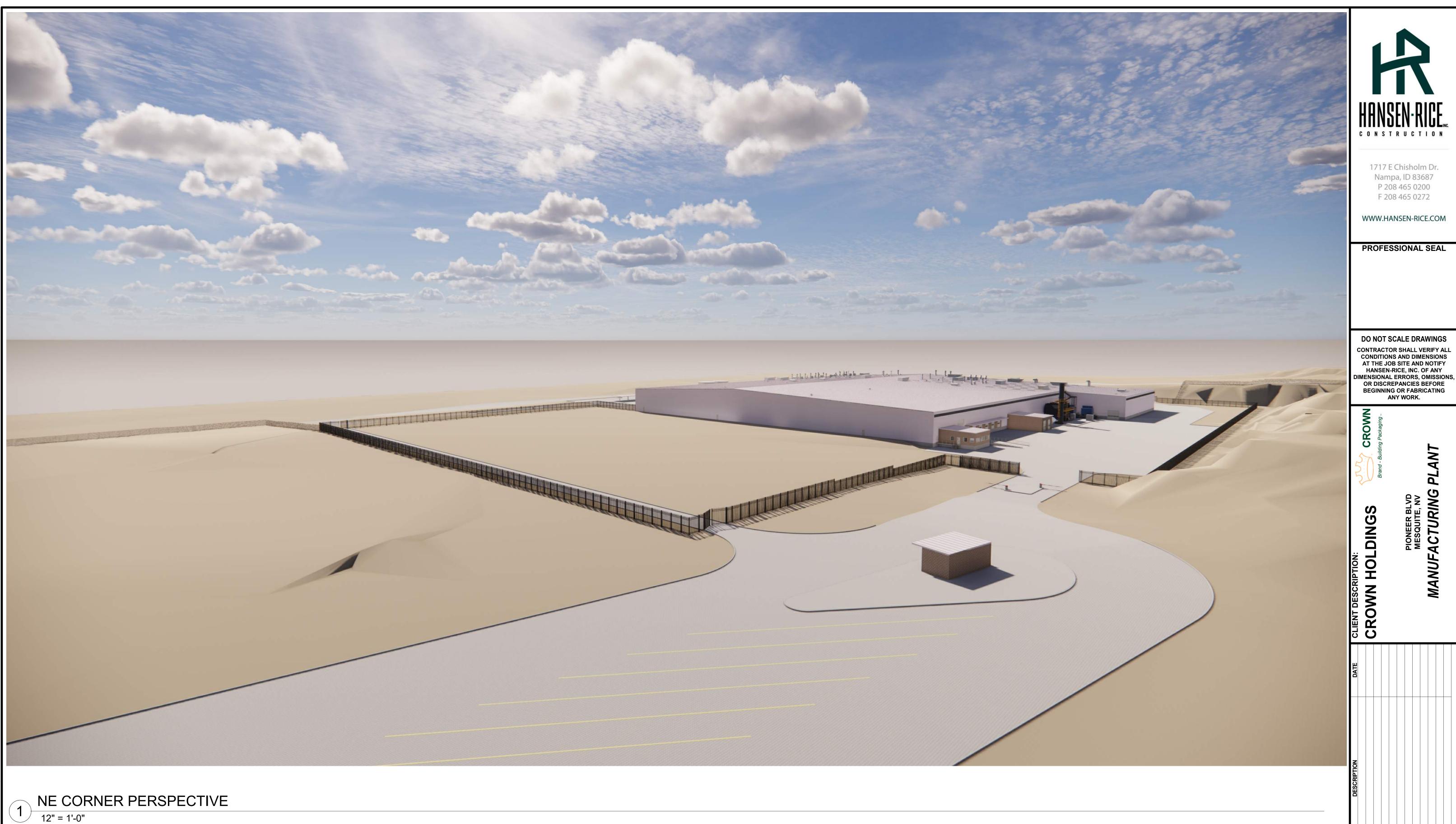
CMU WALL SPLIT FACE TAN

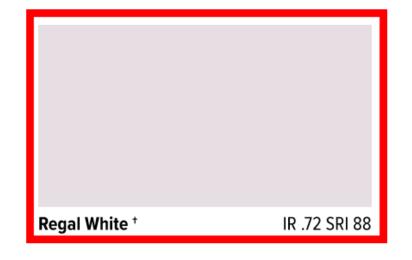
SCALE @ 24"x36" 21011000

01/19/22 SHEET NAME RENDERING

VIEWS

REVISION SHEET A-902





METAL WALL & ROOF COLOR REGAL WHITE PVDF COATING



METAL WALL PANEL ARCHITECTURAL III PANEL



METAL ROOF PANEL STANDING SEAM 360



CMU WALL SPLIT FACE TAN

SCALE @ 24"x36" 21011000 01/19/22 SHEET NAME RENDERING **VIEWS**

Nampa, ID 83687 P 208 465 0200 F 208 465 0272

REVISION SHEET A-903



1717 E Chisholm Dr. Nampa, ID 83687 P 208 465 0200 F 208 465 0272

WWW.HANSEN-RICE.COM

PROFESSIONAL SEAL

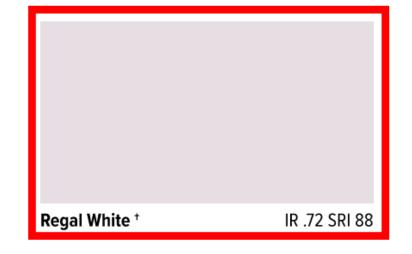
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OR DISCREPANCIES BEFORE
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ANY WORK.



S ENTRY PERSPECTIVE

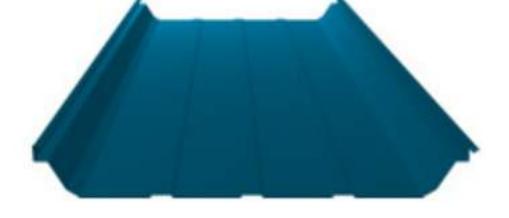
12" = 1'-0"



METAL WALL & ROOF COLOR REGAL WHITE PVDF COATING



METAL WALL PANEL ARCHITECTURAL III PANEL



METAL ROOF PANEL STANDING SEAM 360



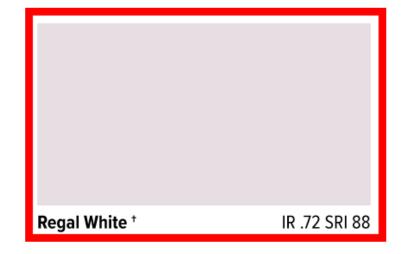
CMU WALL SPLIT FACE TAN

SHEET NAME RENDERING **VIEWS**

A-904



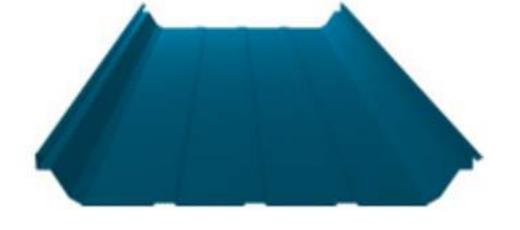
1 EMPLOYEE ENTRY 12" = 1'-0"



METAL WALL & ROOF COLOR REGAL WHITE PVDF COATING



METAL WALL PANEL ARCHITECTURAL III PANEL



METAL ROOF PANEL STANDING SEAM 360



CMU WALL SPLIT FACE TAN

SCALE @ 24"x36" 21011000 01/20/22 SHEET NAME RENDERING **VIEWS**

A-905



October 14, 2021

Las Vegas Global Economic Alliance Subject Project Washboard

RE: Water Availability / Conditional Commitments for Water Service for Project Washboard

Dear Mr. Boehringer:

This letter is sent to you as a representative of and for the benefit of CROWN Cork & Seal USA, Inc. (the "Company") for Project Washboard. The Virgin Valley Water District (District) understands that the Company is interested in a site at 1725 and 1825 W. Pioneer Blvd. in Mesquite, Nevada (the "Site"). The District also understands that the initial, normal water demand will be 42 gpm at 60 psi and will eventually, upon build-out of the project, have a peak demand of 140 gpm (201,600 U.S. gallons in 24 hours) at 60 psi.

The District is willing and able to satisfy all water requirements (production flow and pressure) for Project Washboard. The District has 0.43 MGD of immediately available water capacity and the Site is served by a 16" water line located along W. Pioneer Blvd. Water service is immediately available for Project Washboard at its designated Site property line connection point. No District infrastructure improvements are needed to service Project Washboard. Conditional Commitment for Water Service Fee, System Development Charges, Meter Installation Charge, and Division of Water Resources Transfer Fee is dependent upon the size of the meter(s) requested. The cost estimate of all fees and charges is unknown at this time because it is undetermined what size of meter(s) will be installed and the timing of the meter(s) installation. Additional reoccurring costs will be the annual backflow prevention device testing/certification. This cost will be based on the size of the backflow prevention device(s) installed. There are no other reoccurring fees applicable to the connection and service other than those based on water usage.

The District is the water purveyor for this area and issues Conditional Commitments for Water Service (CCWS) on a first come, first serve basis. A CCWS issued by the District is subject to certain conditions and limitations as contained in the CCWS, in the District's Charter (Chapter 100 of the Nevada Statutes as amended), in the District's Rules Regulations & Rates (as amended), and pursuant to NAC 445A.6577 or other applicable law. An applicant for a CCWS must satisfy and comply with all such conditions and limitations.

To obtain a CCWS, an applicant must first complete the improvement plan process, and pay all applicable fees (including CCWS fees). Once an applicant meets all requirements, and provided



all applicable conditions are satisfied, the District's General Manager issues the CCWS. After issuance and in order to keep the CCWS active and effective, all conditions of the CCWS must be met and remain satisfied including annual renewals of the CCWS if the project is not completed within the first year from issuance of the CCWS.

All applications, forms, fee schedules, etc. are available at the District office or upon your request, or in the District's website: https://vvh20.com/doing-business/developers-info/.

Sincerely,

Kevin W. Brown

District General Manager

Je. W. Bo

PUBLIC WORKS DEPARTMENT



Travis H. Anderson, P.E., Public Works Director 10 East Mesquite Boulevard Mesquite, Nevada 89027 702- 346-5237 tanderson@mesquitenv.gov

September 17, 2021

RE: Sanitary Sewer Services for Project Washboard

V. andem

The Mesquite Sanitation District will provide Sanitary Sewer Services for **Project Washboard** which will be located at 1725 West Pioneer Boulevard and 1825 West Pioneer Boulevard within the City of Mesquite, Nevada.

The City of Mesquite Wastewater Treatment Plant has 3 MGD of available sanitary sewer capacity. The site is serviced by an 18" sanitary sewer line currently located within the right-of-way of West Pioneer Boulevard and a wastewater treatment plant located at 600 Riverside Road. Sanitary sewer is immediately available for Project Washboard at its designated property line connection. No off-site infrastructure improvements are anticipated. Impact fees will be dependent are based upon the classification of the development and the amount of sanitary sewer produced. Impact fees will be calculated at the time of improvement plan submission.

This commitment will be for a period of one year commencing on September 17, 2021 and will expire on September 17, 2022 if development of the site has not commenced.

If you should have any questions concerning this letter please contact me at (702) 346-5237 or tanderson@mesquitenv.gov.

Respectfully,

Travis H. Anderson, P.E.

Public Works Director



TELEPHONE & CABLEVISION 61 W. Mesquite Blvd, Mesquite, Nevada 89027 Phone 702 346 5211 Fax 702 346 5216

November 18, 2021

Washboard Project Mesquite Nevada 89027

Pursuant to your request this correspondence will confirm that in accordance with our Tariffs and Policy's (see attached). Rio Virgin Telephone Company/ Reliance Connects dba. can provide Telephone, Broadband, and CATV services through fiberoptic cables. Service to Mesquite NV Project Washboard 1825 W. Pioneer Blvd, in Mesquite Nevada.

Developments such as this, we require the developer to provide us with a copy of the construction drawings 60 days prior to the beginning of construction. Based on your drawings we will develop a distribution plan for telephone facilities. The developer is required to provide or pay for the purchase and placement of all conduits, pull boxes, and handholes located on the development property. This conduit is for Rio Virgin Telephone Company use only no other facilities will access through these conduits. We will provide and place the required distribution cable and closures.

We are looking forward to working with you on this project. If any further information is required please feel free to contact me, at the number listed above.

Sincerely.

Josh Tietjen, Area Manager

Rio Virgin Telephone & Cable Vision

cc: Joseph Weidenbach, Engineer

City of Mesquite

- 1. Developer must provide Rio Virgin Telephone Company with a copy of the site plan showing the location of other underground utilities, including, power, not later than 30 days prior to the date such plans are put out to bid or at least 60 days prior to the start of construction on the project.
- 2. Rio Virgin will develop a telephone conduit distribution plan within the development, showing the location, type and size of conduit, vaults, handholes etc. required on the project. This plan will be given to the developer within 2 weeks after the plans are received by Rio Virgin.
- 3. The developer will purchase and place all conduit, vaults, handholes, etc. specified by Rio Virgin within the project.

 All materials used will be the same or equivalent as those specified by Rio Virgin. Rio Virgin will be called daily to inspect and approve all facilities installed before they are covered up.
- 4. All facilities will be installed in accord with all applicable codes and standards. A minimum of 36" of cover to sub grade and a minimum of 12" separation will be maintained between telephone facilities (conduit, etc.) and all other buried utilities. Conduits will be stubbed up and facilities placed in such a manner that they will not interfere with or be interfered with by other utilities, property lines, sidewalks, driveways, etc. All conduits should be capped to prevent debris falling into conduit.
- 5. Rio Virgin will provide and place all cable, pedestals, terminals, splice cases, etc. required throughout the project. Wiring of buildings or homes is not included. Rio Virgin will contract with the Developer to provide or place any of the facilities the Developer is responsible for, at his option.



P.O. Box 395 / 615 N. Moapa Valley Blvd. Overton, NV 89040 702-397-2512 Fax: 702-397-2583

October 14, 2021

Mr. Robert Boehringer Managing Director, KPMG

Dear Mr. Boehringer:

This letter is sent to you as a representative for CROWN Cork & Seal USA, Inc. (the "Company") for Project Washboard. Overton Power District #5 (OPD5) recognizes your will serve request for the project located at 1725 and 1825 W. Pioneer Blvd in Mesquite, Nevada (the "Site"). APN: 00223612001 & 00223311004

OPD5 commits to serve 7.5 MVA of capacity available along W. Pioneer Blvd until a new substation is built and partially funded by the Company. OPD5 can provide three-phase primary metered service once a metering location at the Site for the meter has been agreed upon. The required power to serve the project at a capacity of 5 MVA is currently available. The required power to serve the project at full capacity of 7.5 MVA will be available no later than September 30, 2023, unless the availability of a Transformer impacts the schedule. OPD5 is willing to execute a mutually satisfactory contract with your company, whereby 7.5 MVA is reserved until a new substation site can be built.

OPD5 commits to work with the Company to provide electric service to the Site. under OPD5's normal rules and regulations, at the generally applicable rates for commercial customers of a similar character. The Company will be required to provide OPD5 with voltage, load, CAD drawing, and desired meter location. Additionally, the Company will be required to provide a final site layout design, approved by the City of Mesquite, in addition to the other information specified herein for OPD5 to design and engineer the electrical infrastructure needed for project Washboard. OPD5 engineers will develop a cost estimate of fees and its associated share of equipment, labor and materials costs required to provide the electrical service to the Site.

If you have any questions or concerns, please feel free to contact me Tuesday through Friday at (702)345-1108 or bevans@opd5.com. Additional information may also be found on www.opd5.com.

Sincerely,

Randall Ozaki

Engineering Services Manager

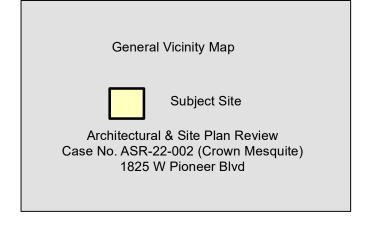
General Vicinity Map



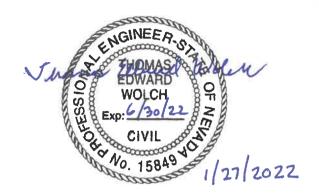




1" = 2000'









CROWN HOLDINGS MANUFACTURING TRAFFIC IMPACT STUDY

Prepared For: Hansen-Rice, Inc.

Prepared By: Horrocks Engineers

555 S. Bluff Street

St. George, UT 84790

Date: January 2022

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Introduction

This report presents the findings of the Traffic Impact Study (TIS) performed for the proposed Crown Holdings Manufacturing Plant in Mesquite, Nevada. This report addresses the impacts based on Level of Service (LOS) values calculated by delay per vehicle for selected study intersections.

In this report, the potential traffic impact of the Crown Holdings Manufacturing Plant is addressed as proposed by Hansen-Rice, Inc.

Proposed Development

The proposed development is planned to be built in two phases. The manufacturing plant is planned to be 355,000 square feet (sq. ft.), with a 168,000 sq. ft. warehouse storage expansion. The anticipated build-out year with the expansion is 2028. Figure 1 shows the location of the development.

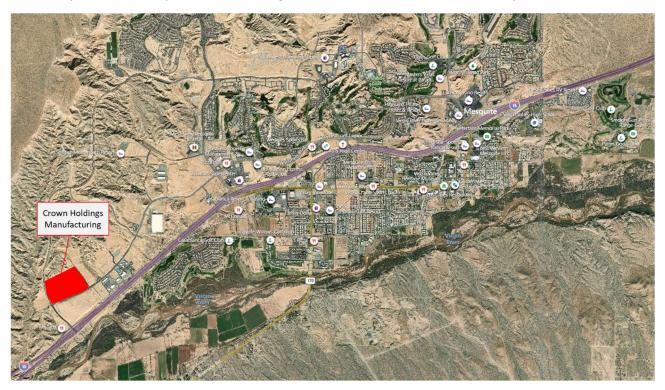


Figure 1-Location of Crown Holdings Manufacturing Plant

There are two planned accesses to the development. The first is on Pioneer Boulevard, and is planned for car traffic. The second is on Isaac Newton Drive and is planned to be designated for heavy vehicle traffic. There are no pedestrian or bicycle facilities planned as a part of this project. A full site plan is included in the Appendix.

MESQUITE ACCESS MANAGEMENT

The proposed development has two accesses, as shown in Figure 2.

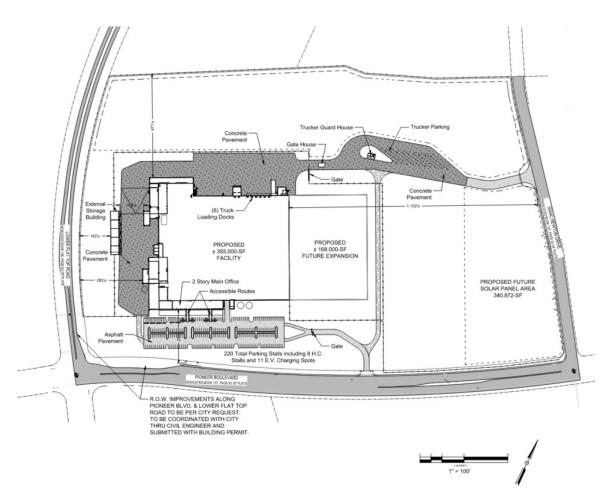


Figure 2-Crown Holdings Site Plan

According to the *City of Mesquite Master Plan, Transportation Element, 2014*, to have a full access on West Pioneer Boulevard or Isaac Newton Drive, there should be a minimum of 350 feet from an existing signal, and a minimum of 200 feet from other driveways. Both of the proposed accesses meet these minimum distances.

Pioneer Boulevard already has a left turn lane installed for the proposed access. According to the Mesquite Master Plan, a right turn lane is not required for a 35 mph roadway.

Study Area Conditions

The proposed Crown Holdings Manufacturing Plant is located on the north side of West Pioneer Boulevard between Lower Flat Top Drive and Isaac Newton Drive. The surrounding land use is light industrial. Figure 3 shows the roadways surrounding the Crown Holdings development.



Figure 3-Roadways Surrounding the Crown Holdings Development

ROADWAY CHARACTERISTICS

LOWER FLAT TOP DRIVE

Lower Flat Top Drive is a four-lane road south of Pioneer Boulevard to the Exit 118 Interchange. North of Pioneer Boulevard, Lower Flat Top Drive is a divided two-lane road that runs north/south on the west side of the subject property. According to the *Mesquite Transportation Master Plan Map, 2018*, Lower Flat Top Drive is planned to be a four-lane arterial roadway. Lower Flat Top Drive connects Exit 118 on I-15 to Falcon Ridge Parkway. The speed limit is 35 miles-per-hour (mph). There are no pedestrian or bicycle facilities until north of Wittwer Trail. There are no accesses to Crown Holdings planned on Lower Flat Top Drive.

W PIONEER BOULEVARD

Pioneer Boulevard is four-lane divided arterial roadway that runs east/west on the south side of the subject property. According to the *Mesquite Transportation Master Plan Map, 2018* Pioneer Boulevard is planned to be a six-lane arterial roadway. Pioneer Boulevard has a speed limit of 35 mph. There are sidewalks on both sides of Pioneer Boulevard starting approximately 400 feet east of the intersection with Lower Flat Top Drive. The approved driveways on Pioneer Boulevard have the curbs constructed, and the left turn lanes installed. There is one proposed project access planned at one of these driveways on Pioneer Boulevard.

ISAAC NEWTON DRIVE

Isaac Newton Drive is a local two-lane road that provides access to the east side of the subject property. According to the *Mesquite Transportation Master Plan Map, 2018*, Isaac Newton Drive is planned to be a four-lane arterial roadway that connects Pioneer Boulevard to Lower Flat Top Drive. The speed limit is 25 mph. There are sidewalks on both sides on Isaac Newton Drive. The approved driveways on Isaac Newton Drive have the curbs constructed. There is one project access planned at one of these driveways on Isaac Newton Drive. This access is planned to be designated for truck and heavy vehicle traffic only.

EXISTING TRAFFIC CONDITIONS

Weekday AM and PM turning movement counts were performed at the following intersections by Silver State Traffic:

- West Pioneer Boulevard & Lower Flat Top Drive
- West Pioneer Boulevard & Falcon Ridge Parkway
- Northbound I-15 Ramps & Lower Flat Top Drive
- Southbound 1-15 Ramps & Lower Flat Top Drive

The City of Mesquite has a unique peak hour that occurs in the afternoon between 1 PM and 4 PM. Traffic counts were taken between 1 PM and 5 PM to account for this peak hour.

Existing intersection geometry, control, and turn pocket lengths were obtained by field review and entered with the turning movement volumes into Vistro 2022 for analysis. Future traffic data was forecasted for the Mesquite peak hour using historic traffic counts.

Turning movement counts were used to establish a base condition for the analysis and provide a comparison for new traffic around the proposed development. The existing turning movement counts are shown in Figure 4.

In order to quantify the traffic conditions currently exhibited in the study area, the roadway geometries and traffic data were entered in the Vistro 2022 software package. Using the 6th edition of Highway Capacity Manual (HCM) method of calculating intersection delay, a Level of Service (LOS) grade was assigned to the intersection for both the peak hour.

Level of Service (LOS) is a term used by the HCM to describe the traffic operations of an intersection, based on congestion and delay. LOS ranges from A (almost no congestion or delay) to F (traffic demand exceeds capacity and intersection experiences long queues and delay). LOS D is the threshold when the

intersection exceeds an acceptable standard and intersection improvements are required according to the *City of Mesquite Master Plan, Transportation Element, 2014*. The delay criteria used to assign a Level of Service to an intersection for signalized and unsignalized intersections is shown below in Table 1. The full Vistro reports are included in the Appendix.

Table 1-Intersection Level of Service

| Level of | Average Control Delay (sec/veh) | | | | | | | | |
|----------|---------------------------------|---------------|--|--|--|--|--|--|--|
| Service | Signalized | Un-signalized | | | | | | | |
| Α | ≤ 10 | ≤ 10 | | | | | | | |
| В | > 10 - 20 | > 10 - 15 | | | | | | | |
| С | > 20 - 35 | > 15 - 25 | | | | | | | |
| D | > 35 - 55 | > 25 - 35 | | | | | | | |
| E | > 55 - 80 | > 35 - 50 | | | | | | | |
| F | > 80 | > 50 | | | | | | | |

Table 2 shows the existing LOS conditions at the study intersections.

Table 2-Existing LOS Analysis

| | Afternoon Peak Hour | | | | | |
|--|---------------------|----------|--|--|--|--|
| Intersection | Average Delay | Level of | | | | |
| | (sec/veh) | Service | | | | |
| Lower Flat Top Drive & W Pioneer Boulevard | 7.9 | Α | | | | |
| Lower Flat Top Drive & I-15 Northbound Ramps | 9.4 | Α | | | | |
| Lower Flat Top Drive & I-15 Southbound Ramps | 10.1 | В | | | | |
| W Pioneer Boulevard & Isaac Newton Drive | 0.0 | Α | | | | |
| W Pioneer Boulevard & Falcon Ridge Parkway | 20.6 | С | | | | |

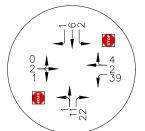
All of the study intersections are currently operating at an acceptable LOS.

CRASH DATA

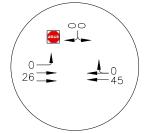
The Mesquite Police Department provided crash data in the area surrounding the proposed development for the last five years. In the past five years, there have been four crashes in the area. Three of the crashes occurred on Lower Flat Top Drive between the I-15 Interchange and Pioneer Boulevard. The fourth occurred at the intersection of Lower Flat Top Drive and Pioneer Boulevard. Two of the crashes occurred in 2017, one in 2018, and one in 2019. Based on the data provided, there is not an area of concern that would need to be mitigated to reduce crashes.



1 AFTERNOON PEAK HOUR

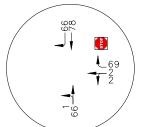


AFTERNOON PEAK HOUR

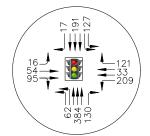


HORROCKS
555 S. Bluff Street
St. George, UT 84790
(435) 986-7888

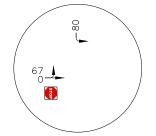
2 AFTERNOON PEAK HOUR



5 AFTERNOON PEAK HOUR



3 AFTERNOON PEAK HOUR



Crown Holdings Manufacturing
Existing Peak Traffic Counts

FIGURE 4 SCALE: N/A

01/2 201

Projected Traffic

In order to successfully analyze traffic conditions for future scenarios, existing traffic is grown based on the projected growth in the surrounding area. To find an appropriate growth rate, historic average annual daily traffic (AADT) counts from the Nevada Department of Transportation (NDOT) were analyzed for roadways surrounding the project area. NDOT has AADT data up to 2020.

Table 3 shows the AADT for the roadways around the Crown Holdings Manufacturing. Growth per year from 2018 to 2020 for the area has ranged from - 20 percent to + 45 percent. The average for the last 3-5 years is between -.6 percent and 12.75 percent. The three-year average is 3.5 percent growth per year. The World Population Review suggests that based on the most recent census data the average growth in Mesquite is 3.4 percent per year, which agrees with the historical data. The decrease in traffic in 2020 could be due, in part, to the COVID-19 pandemic. After discussions with the City of Mesquite Public Works Director about the unusual patterns, 3 percent growth per year will be used to estimate future traffic around the Crown Holdings development.

Table 3-Average Growth from Historic Data

| | | | | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | | | |
|-----------------------------------|---------|--------|---------|---------|--------|---------|--------|--------|--------|---------|--------|---------|-------|-------|-------|-------|
| Roadway | 3 Year | 5 Year | 10 Year | AADT | AADT | AADT | AADT | AADT | AADT | AADT | AADT | AADT | AADT | | | |
| Falcon Ridge Parkway (North of | -0.50% | 2.09% | 8.54% | 6,750 | 7,450 | 5,800 | 7,300 | 6,900 | 6,500 | 4,900 | 5,800 | 3,700 | 4,000 | | | |
| Pioneer Boulevard) | -0.5070 | 2.09% | 8.5470 | -9.40% | 28.45% | -20.55% | 5.80% | 6.15% | 32.65% | -15.52% | 56.76% | -7.50% | | | | |
| Falcon Ridge Parkway (South of | -0.58% | 0.60% | | 11,300 | 14,200 | 11,800 | 12,000 | 11,000 | 11,500 | 8,800 | 10,500 | | | | | |
| Pioneer Boulevard) | -0.3670 | 0.0076 | | -20.42% | 20.34% | -1.67% | 9.09% | -4.35% | 30.68% | -16.19% | | | | | | |
| Pioneer Boulevard (West of | 12.75% | 11.18% | 7.96% | 2,700 | 2,950 | 2,900 | 2,000 | 1,700 | 1,700 | 1,400 | 1,400 | 1,300 | 1,500 | | | |
| Falcon Ridge Parkway) | 12.75% | 11.18% | 7.96% | -8.47% | 1.72% | 45.00% | 17.65% | 0.00% | 21.43% | 0.00% | 7.69% | -13.33% | | | | |
| Pioneer Boulevard (East of Falcon | 2.250/ | 2.250/ | 2.25% | 2.250/ | 1.68% | 5.03% | 7,000 | 7,700 | 6,400 | 6,700 | 6,400 | 6,600 | 5,200 | 6,200 | 5,000 | 4,900 |
| Ridge Parkway) | 2.2570 | 1.00% | 5.05% | -9.09% | 20.31% | -4.48% | 4.69% | -3.03% | 26.92% | -16.13% | 24.00% | 2.04% | | | | |
| Average | 3.48% | 3.89% | 7.18% | | | | | | | | | | | | | |

TRIP GENERATION

The estimated number of vehicle trips to be generated by the development was calculated using the methodology found in the Institute of Transportation Engineers (ITE) Trip Generation Manual 11th edition in combination with the truck data provided by Hansen-Rice, Inc. The ITE Land Use 140: Manufacturing was used for this development, and the estimated truck traffic was added to the trips generated by employees. There is an expansion planned for the building. The expansion will be used as storage for the existing building, so the number of employees and the truck traffic are not expected to change.

A description of the land use can be found in the Appendix. Table 4 shows the estimated trip generation of the development.

Table 4-Trip Generation for the Proposed Development

| Crown Holdings Manufacturing Plant-Employees | | | | | | | | | | | |
|--|---------------|--------------|------------|-------------|--------------|-----|-------|-------|-----|-------|--|
| ITE Land Use | Employees | AM Peak Hour | | | PM Peak Hour | | | Daily | | | |
| | Employees | In | Out | Total | In | Out | Total | In | Out | Total | |
| 140: Manufacturing | 120 | 28 | 10 | 38 | 14 | 23 | 37 | 151 | 151 | 301 | |
| C | rown Holdings | Truck Traf | ic-Based o | n data prov | rided by HF | RI | | | | | |
| Daily Truck Trips | 40 | 9 | 3 | 11 | 3 | 6 | 8 | 20 | 20 | 40 | |
| Total | 160 | 37 | 13 | 50 | 16 | 29 | 46 | 171 | 171 | 341 | |

Because the City of Mesquite has a unique peak hour, the ITE PM Peak Hour trip generation will be added to the Mesquite Peak Hour trips in the afternoon.

Trip Distribution

The new trips estimated to be generated from the proposed development were distributed onto the roadway network based on the proposed site access locations, existing turning movements, existing traffic patterns, and proximity to major roadways. To estimate the trip distribution, the existing counts were used as a baseline.

Figure 5 shows the trip distribution to and from the proposed development and the surrounding area. It is assumed that the distribution is the same to and from the development.

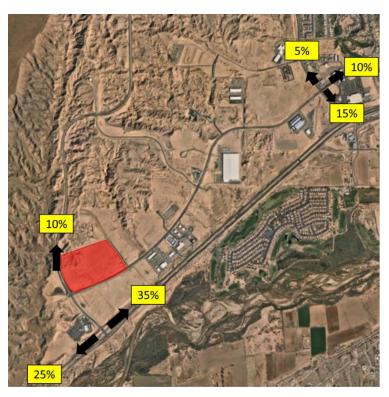


Figure 5-Trip Distribution for Crown Holdings Manufacturing

Traffic Analysis

Future traffic was analyzed by projecting the existing 2022 traffic based on the historical data and growth rate discussed previously. The development traffic was then added to the background traffic to estimate the total future traffic. The afternoon peak hour was analyzed for the future development scenarios.

2028 BACKGROUND TRAFFIC

For the 2028 background traffic analysis, it was assumed that the existing roadway configuration (lanes, intersection control, etc.) will be used in 2028. The 2028 turning movement counts without the development traffic are shown in Figure 6. Table 5 shows the LOS analysis for the 2028 traffic.

Table 5-2028 LOS Analysis

| | Afternoon F | Peak Hour |
|--|-------------------------|---------------------|
| Intersection | Average Delay (sec/veh) | Level of Service |
| Lower Flat Top Drive & W Pioneer Boulevard | 8.0 | Α |
| Lower Flat Top Drive & I-15 Northbound Ramps | 9.6 | Α |
| Lower Flat Top Drive & I-15 Southbound Ramps | 10.3 | В |
| W Pioneer Boulevard & Isaac Newton Drive | 0.0 | Α |
| W Pioneer Boulevard & Falcon Ridge Parkway | 22.2 | С |

In 2028, all of the study intersections are expected to operate at LOS C or better. There was some increase in the delay between the existing traffic and the 2028 background traffic, but at all of the intersections the delay increased by less than a half second, except for at the signal at Pioneer Boulevard and Falcon Ridge Parkway, which increased by almost 2 seconds.

2028 TRAFFIC WITH DEVELOPMENT

2028 traffic with the addition of the proposed development traffic was estimated by adding the distributed development traffic to the projected 2028 traffic. The estimated turning movement counts are shown in Figure 7.

Table 6 shows the LOS analysis for the projected 2028 traffic with development traffic.

Table 6-2028 with Development Traffic LOS Analysis

| | Afternoon I | Peak Hour |
|--|---------------|-----------|
| Intersection | Average Delay | Level of |
| | (sec/veh) | Service |
| Lower Flat Top Drive & W Pioneer Boulevard | 8.1 | Α |
| Lower Flat Top Drive & I-15 Northbound Ramps | 9.7 | Α |
| Lower Flat Top Drive & I-15 Southbound Ramps | 10.4 | В |
| W Pioneer Boulevard & Isaac Newton Drive | 10.3 | В |
| W Pioneer Boulevard & Falcon Ridge Parkway | 22.4 | С |
| W Pioneer Boulevard & Project Access | 9.1 | Α |
| Isaac Newton Drive & Project Access | 9.2 | Α |

With the increase in traffic from the proposed development, the study intersections are expected to operate at the same LOS as in the background conditions. The accesses to the project are expected to operate at LOS A.

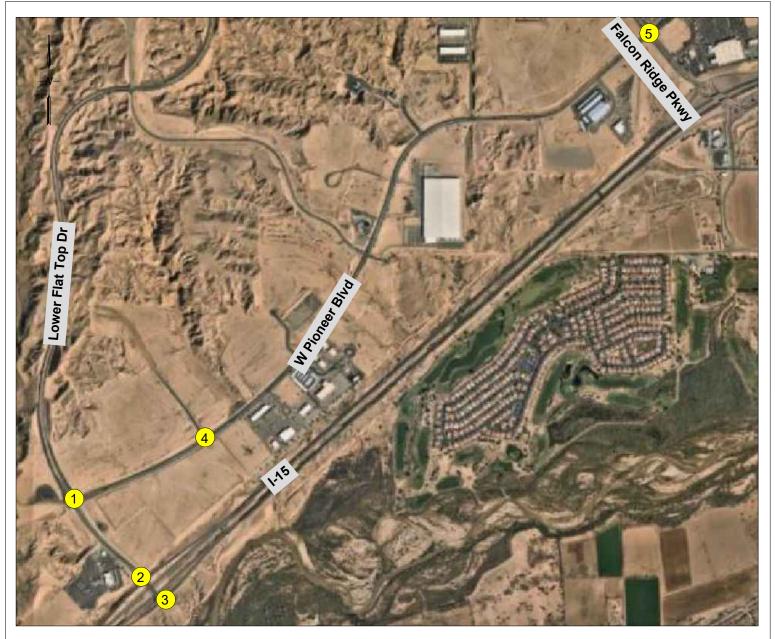
2028 WITH DEVELOPMENT TRAFFIC QUEUE LENGTH ANALYSIS

Table 7 shows the queue length analysis for the proposed project accesses in 2028 with the addition of the project traffic. The table shows the 95th percentile queue length required at each access and at which approach it occurs. The queue lengths are shown in feet per lane.

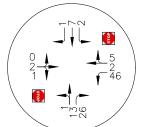
Table 7-2028 Queue Length Analysis with Development Traffic

| | Afternoon Peak Hour | | | | | |
|--------------------------------------|---|----------|--|--|--|--|
| Intersection | 95th Percentile Queue Length (ft/ln) | Movement | | | | |
| W Pioneer Boulevard & Project Access | 1.70 | SB | | | | |
| Isaac Newton Drive & Project Access | 0.62 | EB | | | | |

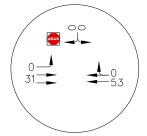
Because the queue lengths are less than 20 feet, there is expected to be no queuing at either project access. There should be enough storage for at least one vehicle, and in this case, there should be enough storage length to accommodate at least one truck with a semi-trailer.



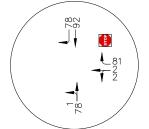
1 AFTERNOON PEAK HOUR



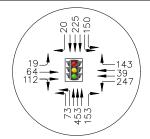
AFTERNOON PEAK HOUR



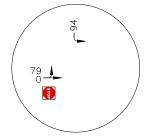
2 AFTERNOON PEAK HOUR



5 AFTERNOON PEAK HOUR



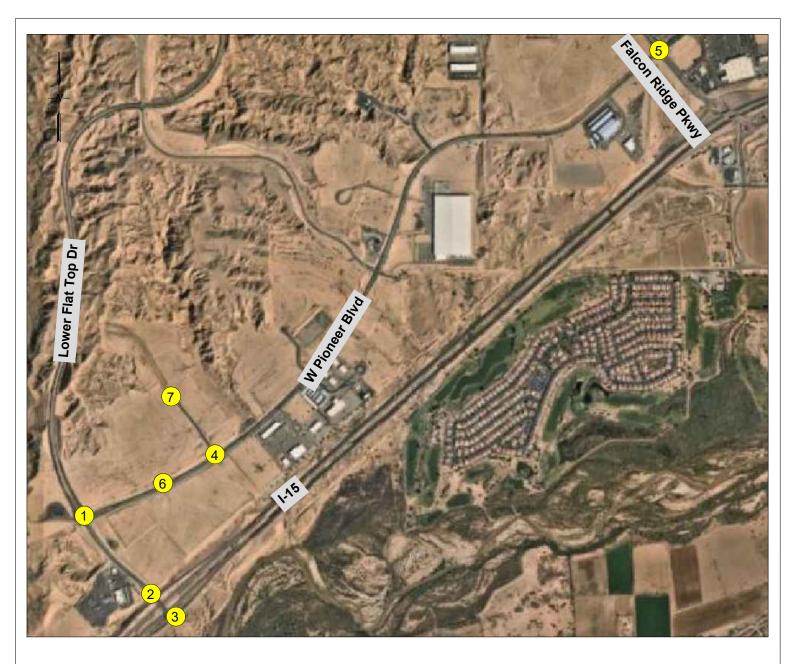
3 AFTERNOON PEAK HOUR



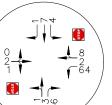
Crown Holdings Manufacturing 2028 Background Peak Traffic Counts

FIGURE 6 SCALE: N/A

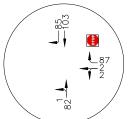
ENGINEERS (435) 986-7888

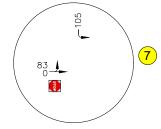




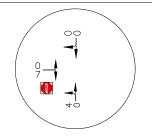


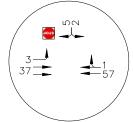
AFTERNOON PEAK HOUR (2) AFTERNOON PEAK HOUR (3) AFTERNOON PEAK HOUR



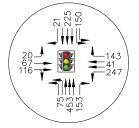


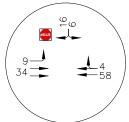
AFTERNOON PEAK HOUR





AFTERNOON PEAK HOUR 6 AFTERNOON PEAK HOUR





Crown Holdings Manufacturing 2028 Background with Development Peak Traffic Counts **FIGURE** 7

01/2 207

Recommendations

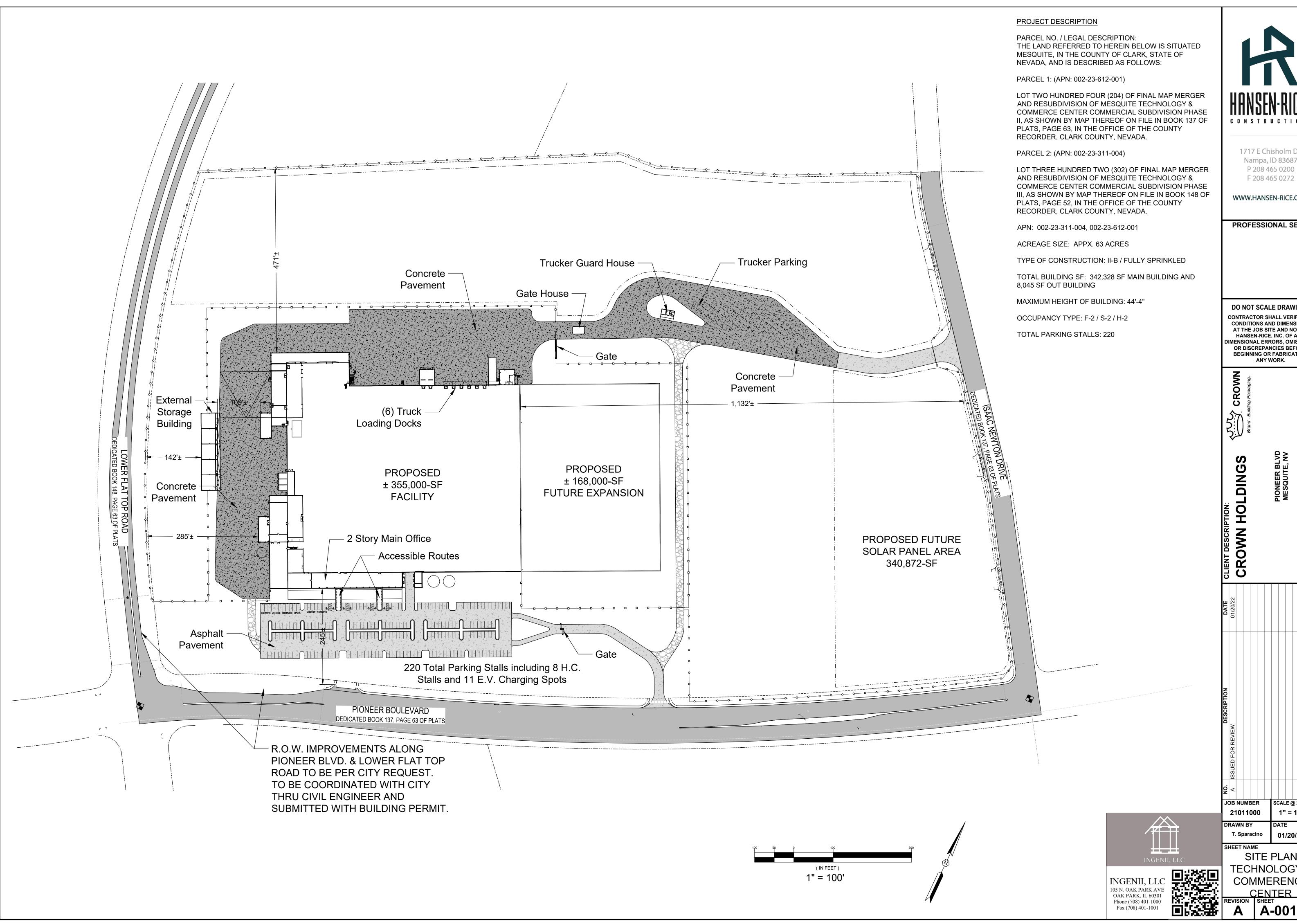
The following is a summary of the findings and recommendations for the Crown Holdings Manufacturing development.

There were four crashes in the project area in the last 5 years. There are no mitigations recommended for crashes in the area based on the available data.

All of the study intersections are anticipated to operate at LOS C or better in 2028 with the project traffic. There are no recommended mitigations. The I-15 Interchange is expected to operate at LOS A at the northbound ramps and LOS B at the southbound ramps. There are no mitigations necessary for impacts to the interchange.

The queue length analysis shows that there are not any queues anticipated with the project traffic, however, the storage for turning from the project accesses should be able to accommodate heavy vehicles, as they will be using the accesses to the development.

Appendix A: Site Plan



CONSTRUCTION

1717 E Chisholm Dr. Nampa, ID 83687 P 208 465 0200

WWW.HANSEN-RICE.COM

PROFESSIONAL SEAL

DO NOT SCALE DRAWINGS **CONTRACTOR SHALL VERIFY ALI** CONDITIONS AND DIMENSIONS AT THE JOB SITE AND NOTIFY HANSEN-RICE, INC. OF ANY IMENSIONAL ERRORS, OMISSIONS OR DISCREPANCIES BEFORE **BEGINNING OR FABRICATING** ANY WORK.

FACT

21011000

T. Sparacino 01/20/2022

SITE PLAN TECHNOLOGY & COMMERENCE

SCALE @ 24"x36"

CENTER A-001

Appendix B: Crash Data

| Incident | Nature | Area | Agency | Reported | Incident address |
|-----------|-------------|------|--------|-------------------|--------------------------------------|
| 170602-16 | Accident | Α | MES | 17:22:34 06/02/17 | N Lower Flat Top Dr |
| 170925-21 | PD Accident | Α | MES | 19:11:27 09/25/17 | I15 NB; MM 118 (Lower Flat Top Exit) |
| 180112-31 | Accident | Α | MES | 21:02:20 01/12/18 | S Lower Flat Top Dr & W Pioneer Blvd |
| 190808-10 | Accident | C | MES | 10:48:16 08/08/19 | S Lower Flat Top Dr & I15 NB |

Appendix C: Vistro Reports

Vistro File: \...\Corwn Holdings Vistro.vistro Report File: \...\Existing Peak Hour.pdf

Scenario 1 Existing Afternoon Peak 1/20/2022

Intersection Analysis Summary

| ID | Intersection Name | Control Type | Method | Worst Mvmt | V/C | Delay (s/veh) | LOS |
|----|--|--------------|--------------------|------------|-------|---------------|-----|
| 1 | Falcon Ridge Parkway & Pioneer Blvd | Signalized | HCM 6th Edition | EB Right | 0.342 | 20.6 | С |
| 2 | Isaac Newton Dr & W Pioneer Blvd | Two-way stop | HCM 6th Edition | WB Thru | 0.000 | 0.0 | Α |
| 3 | Lower Flat Top Dr & W Pioneer Blvd | All-way stop | HCM 6th Edition | WB Left | 0.059 | 7.9 | Α |
| 4 | Lower Flat Top Dr & I-15 SB Ramps | Two-way stop | HCM 6th Edition | WB Thru | 0.003 | 10.1 | В |
| 5 | Lower Flat Top Dr & I-15 NB Ramps | Two-way stop | HCM 6th Edition | EB Left | 0.076 | 9.4 | Α |
| 6 | W Pioneer Access | Two-way stop | HCM 6th Edition | WB Thru | 0.000 | 0.0 | Α |
| 8 | Isaac Newton Access | Two-way stop | HCM 6th Edition | | 0.000 | 0.0 | |

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.



Intersection Level Of Service Report Intersection 1: Falcon Ridge Parkway & Pioneer Blvd

Control Type:SignalizedDelay (sec / veh):20.6Analysis Method:HCM 6th EditionLevel Of Service:CAnalysis Period:15 minutesVolume to Capacity (v/c):0.342

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|--------|----------|--------|--------|----------|--------|--------|---------|--------|-----------|--------|--------|
| Approach | N | orthbour | ıd | S | outhbour | nd | Е | astboun | d | Westbound | | |
| Lane Configuration | חוור | | | חווור | | | ٦١٢ | | | ıllı | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Entry Pocket Length [ft] | 350.00 | 100.00 | 525.00 | 300.00 | 100.00 | 200.00 | 180.00 | 100.00 | 100.00 | 300.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | | 35.00 | | | 35.00 | | | 35.00 | | 35.00 | | |
| Grade [%] | | 0.00 | | | 0.00 | | | 0.00 | | | 0.00 | |
| Curb Present | | No | | | No | | No | | | No | | |
| Crosswalk | | Yes | | Yes | | Yes | | | Yes | | | |

Volumes

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Right Turn on Red Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 16 | 96 | 33 | 32 | 48 | 4 | 4 | 14 | 24 | 52 | 8 | 30 |
| Total Analysis Volume [veh/h] | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 |
| Presence of On-Street Parking | No | | No |
| On-Street Parking Maneuver Rate [/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Local Bus Stopping Rate [/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| v_do, Outbound Pedestrian Volume crossing major stre | ree 0 | | | 0 | | | 0 | | | 0 | | |
| v_di, Inbound Pedestrian Volume crossing major street | [0 | | | 0 | | 0 | | | 0 | | | |
| v_co, Outbound Pedestrian Volume crossing minor stre | e 0 | | | 0 | | | 0 | | | 0 | | |
| v_ci, Inbound Pedestrian Volume crossing minor street | 0] | | | 0 | | | 0 | | | 0 | | |
| v_ab, Corner Pedestrian Volume [ped/h] | 0 | | | 0 | | | 0 | | | 0 | | |
| Bicycle Volume [bicycles/h] | 0 | | | 0 | | | 0 | | | 0 | | |

Intersection Settings

| Located in CBD | Yes | |
|---------------------------|---------------------------------------|--|
| Signal Coordination Group | - | |
| Cycle Length [s] | 90 | |
| Coordination Type | Free Running | |
| Actuation Type | Fully actuated | |
| Offset [s] | 0.0 | |
| Offset Reference | Lead Green - Beginning of First Green | |
| Permissive Mode | SingleBand | |
| Lost time [s] | 5.00 | |

Phasing & Timing

| Control Type | Protect | Permis | Permis | Protect | Permis | Permis | ProtPer | Permis | Permis | ProtPer | Permis | Permis |
|------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| Signal Group | 1 | 6 | 0 | 5 | 2 | 0 | 7 | 4 | 0 | 3 | 8 | 0 |
| Auxiliary Signal Groups | | | | | | | | | | | | |
| Lead / Lag | Lead | - | - |
| Minimum Green [s] | 6 | 7 | 0 | 8 | 8 | 0 | 8 | 4 | 0 | 8 | 8 | 0 |
| Maximum Green [s] | 30 | 30 | 0 | 30 | 30 | 0 | 30 | 30 | 0 | 30 | 30 | 0 |
| Amber [s] | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 |
| All red [s] | 3.7 | 2.0 | 0.0 | 3.8 | 1.8 | 0.0 | 3.7 | 2.1 | 0.0 | 3.7 | 2.2 | 0.0 |
| Split [s] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vehicle Extension [s] | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 |
| Walk [s] | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 |
| Pedestrian Clearance [s] | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 27 | 0 | 0 | 27 | 0 |
| Delayed Vehicle Green [s] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rest In Walk | | No | | | No | | | No | | | No | |
| I1, Start-Up Lost Time [s] | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 |
| I2, Clearance Lost Time [s] | 4.7 | 4.0 | 0.0 | 4.8 | 3.8 | 0.0 | 4.7 | 4.1 | 0.0 | 4.7 | 4.2 | 0.0 |
| Minimum Recall | No | Yes | | No | Yes | | No | No | | No | No | |
| Maximum Recall | No | No | |
| Pedestrian Recall | No | No | |
| Detector Location [ft] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Detector Length [ft] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I, Upstream Filtering Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Exclusive Pedestrian Phase

| Pedestrian Signal Group | 0 |
|--------------------------|---|
| Pedestrian Walk [s] | 0 |
| Pedestrian Clearance [s] | 0 |

Lane Group Calculations

| Lane Group | L | С | R | L | С | R | L | С | С | L | С | R |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C, Cycle Length [s] | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| L, Total Lost Time per Cycle [s] | 6.70 | 6.00 | 6.00 | 6.80 | 5.80 | 5.80 | 6.10 | 6.10 | 6.10 | 6.20 | 6.20 | 6.20 |
| I1_p, Permitted Start-Up Lost Time [s] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2, Clearance Lost Time [s] | 4.70 | 4.00 | 4.00 | 4.80 | 3.80 | 3.80 | 0.00 | 4.10 | 4.10 | 0.00 | 4.20 | 4.20 |
| g_i, Effective Green Time [s] | 4 | 9 | 9 | 7 | 12 | 12 | 18 | 6 | 6 | 20 | 11 | 11 |
| g / C, Green / Cycle | 0.07 | 0.16 | 0.16 | 0.13 | 0.23 | 0.23 | 0.33 | 0.10 | 0.10 | 0.36 | 0.21 | 0.21 |
| (v / s)_i Volume / Saturation Flow Rate | 0.02 | 0.08 | 0.09 | 0.04 | 0.04 | 0.01 | 0.01 | 0.03 | 0.07 | 0.15 | 0.01 | 0.08 |
| s, saturation flow rate [veh/h] | 3113 | 4584 | 1431 | 3113 | 4584 | 1431 | 1287 | 1683 | 1431 | 1420 | 3204 | 1431 |
| c, Capacity [veh/h] | 211 | 754 | 235 | 391 | 1044 | 326 | 606 | 172 | 146 | 637 | 672 | 300 |
| d1, Uniform Delay [s] | 24.36 | 20.94 | 21.10 | 21.90 | 17.11 | 16.59 | 11.16 | 22.90 | 23.74 | 12.91 | 17.34 | 18.75 |
| k, delay calibration | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| I, Upstream Filtering Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| d2, Incremental Delay [s] | 1.08 | 0.76 | 2.87 | 0.68 | 0.12 | 0.09 | 0.02 | 1.48 | 6.80 | 0.42 | 0.04 | 1.24 |
| d3, Initial Queue Delay [s] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rp, platoon ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PF, progression factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Lane Group Results

| X, volume / capacity | 0.29 | 0.51 | 0.55 | 0.32 | 0.18 | 0.05 | 0.03 | 0.31 | 0.65 | 0.33 | 0.05 | 0.40 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| d, Delay for Lane Group [s/veh] | 25.45 | 21.70 | 23.97 | 22.58 | 17.22 | 16.68 | 11.18 | 24.37 | 30.54 | 13.33 | 17.38 | 19.99 |
| Lane Group LOS | С | С | С | С | В | В | В | С | С | В | В | В |
| Critical Lane Group | No | No | Yes | Yes | No | No | No | No | Yes | Yes | No | No |
| 50th-Percentile Queue Length [veh/ln] | 0.38 | 1.40 | 1.56 | 0.71 | 0.59 | 0.16 | 0.11 | 0.66 | 1.35 | 1.66 | 0.15 | 1.28 |
| 50th-Percentile Queue Length [ft/ln] | 9.55 | 34.88 | 39.03 | 17.80 | 14.64 | 3.93 | 2.75 | 16.49 | 33.76 | 41.38 | 3.82 | 32.08 |
| 95th-Percentile Queue Length [veh/ln] | 0.69 | 2.51 | 2.81 | 1.28 | 1.05 | 0.28 | 0.20 | 1.19 | 2.43 | 2.98 | 0.27 | 2.31 |
| 95th-Percentile Queue Length [ft/In] | 17.20 | 62.79 | 70.26 | 32.03 | 26.35 | 7.07 | 4.95 | 29.68 | 60.76 | 74.48 | 6.87 | 57.74 |

Movement, Approach, & Intersection Results

| d_M, Delay for Movement [s/veh] | 25.45 | 21.70 | 23.97 | 22.58 | 17.22 | 16.68 | 11.18 | 24.37 | 30.54 | 13.33 | 17.38 | 19.99 | |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Movement LOS | С | С | С | С | В | В | В | С | С | В | В | В | |
| d_A, Approach Delay [s/veh] | | 22.61 | | | 19.23 | | | 26.64 | | | 15.92 | | |
| Approach LOS | С | | | В | | | | С | | В | | | |
| d_I, Intersection Delay [s/veh] | | | | | | 20 | .60 | | | | | | |
| Intersection LOS | | С | | | | | | | | | | | |
| Intersection V/C | 0.342 | | | | | | | | | | | | |

Other Modes

| g_Walk,mi, Effective Walk Time [s] | 11.0 | 11.0 | 11.0 | 11.0 |
|---|---------|-------|-------|-------|
| M_corner, Corner Circulation Area [ft²/ped] | 0.00 | 0.00 | 0.00 | 0.00 |
| M_CW, Crosswalk Circulation Area [ft²/ped] | 0.00 | 0.00 | 0.00 | 0.00 |
| d_p, Pedestrian Delay [s] | 17.49 | 17.49 | 17.49 | 17.49 |
| I_p,int, Pedestrian LOS Score for Intersection | 2.997 | 2.934 | 2.477 | 2.553 |
| Crosswalk LOS | С | С | В | В |
| s_b, Saturation Flow Rate of the bicycle lane [bicycles/l | 1] 2000 | 2000 | 2000 | 2000 |
| c_b, Capacity of the bicycle lane [bicycles/h] | 1095 | 1095 | 1095 | 1095 |
| d_b, Bicycle Delay [s] | 5.60 | 5.60 | 5.60 | 5.60 |
| I_b,int, Bicycle LOS Score for Intersection | 1.876 | 1.744 | 1.696 | 1.859 |
| Bicycle LOS | A | A | A | A |

Sequence

| - | | | _ | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ring 1 | 1 | 2 | 3 | 4 | - | - | - | - | ı | - | - | - | - | - | - | - |
| Ring 2 | 5 | 6 | 7 | 8 | - | - | - | - | • | - | - | - | - | - | - | - |
| Ring 3 | - | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Ring 4 | - | - | - | - | _ | - | - | - | - | - | - | - | - | - | - | - |





Intersection Level Of Service Report Intersection 2: Isaac Newton Dr & W Pioneer Blvd

Control Type:Two-way stopDelay (sec / veh):0.0Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.000

Intersection Setup

| Name | | | | | | | |
|------------------------------|--------|----------|---------------|-------|--------|--------|--|
| Approach | South | bound | Eastl | oound | West | bound | |
| Lane Configuration | 7 | → | ٦ | 11 | l IF | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 0 | | 1 | 0 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 300.00 100.00 | | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 25.00 | | 35 | 35.00 | | .00 | |
| Grade [%] | 0.0 | 00 | 0. | 00 | 0.00 | | |
| Crosswalk | N | О | N | lo | No | | |

| Name | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 | |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 | |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Hourly Volume [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 | |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Total 15-Minute Volume [veh/h] | 0 | 0 | 0 | 7 | 11 | 0 | |
| Total Analysis Volume [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 | |
| Pedestrian Volume [ped/h] | 0 0 | | |) | 0 | | |

Version 2022 (SP 0-0) Intersection Settings

| Priority Scheme | Stop | Free | Free |
|--------------------------|------|------|------|
| Flared Lane | No | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | No | | |

0

0

0

Movement, Approach, & Intersection Results

Number of Storage Spaces in Median

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
|---------------------------------------|-----------|------|------|-----------|------|------|--|--|
| d_M, Delay for Movement [s/veh] | 8.82 8.43 | | 7.31 | 0.00 | 0.00 | 0.00 | | |
| Movement LOS | А | А | А | А | А | А | | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 95th-Percentile Queue Length [ft/ln] | 0.00 0.00 | | 0.00 | 0.00 0.00 | | 0.00 | | |
| d_A, Approach Delay [s/veh] | 8. | 63 | 0. | 00 | 0. | 00 | | |
| Approach LOS | - | A | , | A | , | 4 | | |
| d_I, Intersection Delay [s/veh] | 0.00 | | | | | | | |
| Intersection LOS | A | | | | | | | |



Intersection Level Of Service Report Intersection 3: Lower Flat Top Dr & W Pioneer Blvd

Control Type:All-way stopDelay (sec / veh):7.9Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.059

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|--------|------------|--------|--------|----------|--------|--------|---------|--------|--------|----------|--------|
| Approach | N | Northbound | | S | outhbour | nd | Е | astboun | d | ٧ | Vestboun | d |
| Lane Configuration | ٦r | | | ılr | | | + | + 71 | | | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 250.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | 35.00 | | | 35.00 | | | 30.00 | | | 30.00 | | |
| Grade [%] | 0.00 | | | 0.00 | | 0.00 | | | 0.00 | | | |
| Crosswalk | No | | | No | | | No | | | No | | |

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 3 | 6 | 1 | 2 | 0 | 0 | 1 | 0 | 10 | 1 | 1 |
| Total Analysis Volume [veh/h] | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 |
| Pedestrian Volume [ped/h] | | 0 | | | 0 | | | 0 | | | 0 | |

Intersection Settings

| Lanes | | | | |
|-------|----------------------------------|-----|-----|-----|
| | Consolity non Entry Long Sych/bl | 740 | 005 | 640 |

| Capacity per Entry Lane [veh/h] | 712 | 835 | 648 | 713 | 828 | 742 | 660 | 802 |
|---------------------------------|------|------|------|------|------|------|------|------|
| Degree of Utilization, x | 0.02 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 |

Movement, Approach, & Intersection Results

| 95th-Percentile Queue Length [veh] | 0.05 | 0.08 | 0.01 | 0.03 | 0.00 | 0.01 | 0.19 | 0.02 | |
|------------------------------------|------|------|------|------|------|------|------|------|--|
| 95th-Percentile Queue Length [ft] | 1.28 | 2.03 | 0.23 | 0.64 | 0.09 | 0.30 | 4.70 | 0.57 | |
| Approach Delay [s/veh] | 7.38 | | 7.82 | | | 7.87 | 8.33 | | |
| Approach LOS | Α | | A | | | A | P | 4 | |
| Intersection Delay [s/veh] | 7.91 | | | | | | | | |
| Intersection LOS | A | | | | | | | | |



Intersection Level Of Service Report Intersection 4: Lower Flat Top Dr & I-15 SB Ramps

Control Type:Two-way stopDelay (sec / veh):10.1Analysis Method:HCM 6th EditionLevel Of Service:BAnalysis Period:15 minutesVolume to Capacity (v/c):0.003

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|------------|--------|--------|----------|--------|--------|---------|--------|-----------|--------|--------|--------|
| Approach | Northbound | | S | outhbour | nd | Е | astboun | d | Westbound | | id | |
| Lane Configuration | 4 | | İr | | | | | | 44 | | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 250.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | | 30.00 | | | 30.00 | | | 30.00 | | | 30.00 | |
| Grade [%] | 0.00 | | 0.00 | | | 0.00 | | | 0.00 | | | |
| Crosswalk | No | | | No | | | No | | | No | | |

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 1 | 66 | 0 | 0 | 78 | 66 | 0 | 0 | 0 | 2 | 2 | 69 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 20.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 20.00 |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 1 | 66 | 0 | 0 | 78 | 66 | 0 | 0 | 0 | 2 | 2 | 69 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 17 | 0 | 0 | 20 | 17 | 0 | 0 | 0 | 1 | 1 | 17 |
| Total Analysis Volume [veh/h] | 1 | 66 | 0 | 0 | 78 | 66 | 0 | 0 | 0 | 2 | 2 | 69 |
| Pedestrian Volume [ped/h] | | 0 | | | 0 | | | 0 | | | 0 | |

Intersection Settings

| Priority Scheme | Free | Free | Stop | Stop |
|------------------------------------|------|------|------|------|
| Flared Lane | | | | |
| Storage Area [veh] | 0 | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | | | No |
| Number of Storage Spaces in Median | 0 | 0 | 0 | 0 |

Movement, Approach, & Intersection Results

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 |
|---------------------------------------|-------|------|------|------|------|------|------|------|------|------|-------|------|
| d_M, Delay for Movement [s/veh] | 7.55 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.87 | 10.08 | 9.09 |
| Movement LOS | Α | Α | | | Α | Α | | | | Α | В | Α |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.23 |
| 95th-Percentile Queue Length [ft/ln] | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.41 | 5.86 |
| d_A, Approach Delay [s/veh] | | 0.11 | | | 0.00 | | | 0.00 | | | 9.14 | |
| Approach LOS | A A A | | | | | A | | | | | | |
| d_I, Intersection Delay [s/veh] | 2.37 | | | | | | | | | | | |
| Intersection LOS | В | | | | | | | | | | | |



Intersection Level Of Service Report Intersection 5: Lower Flat Top Dr & I-15 NB Ramps

Control Type:Two-way stopDelay (sec / veh):9.4Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.076

Intersection Setup

| Name | | | | | | |
|------------------------------|------------|--------|--------|--------|--------|--------|
| Approach | Southbound | | East | oound | Westl | oound |
| Lane Configuration | ٦ | | • | 1 | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 0 | 0 | 0 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | 35.00 | | 45 | .00 | 30 | .00 |
| Grade [%] | 0.00 | | 0. | 00 | 0.00 | |
| Crosswalk | No | | ١ | lo | N | lo |

| Name | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--|
| Base Volume Input [veh/h] | 80 | 0 | 67 | 0 | 0 | 0 | |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Heavy Vehicles Percentage [%] | 20.00 | 2.00 | 20.00 | 20.00 | 2.00 | 2.00 | |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Hourly Volume [veh/h] | 80 | 0 | 67 | 0 | 0 | 0 | |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Total 15-Minute Volume [veh/h] | 20 | 0 | 17 | 0 | 0 | 0 | |
| Total Analysis Volume [veh/h] | 80 | 0 | 67 | 0 | 0 | 0 | |
| Pedestrian Volume [ped/h] | 0 | | (| 0 | 0 | | |

Intersection Settings

| Priority Scheme | Free | Stop | Free |
|------------------------------------|------|------|------|
| Flared Lane | | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | No | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

Movement, Approach, & Intersection Results

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | | | |
|---------------------------------------|------|------|------|------|------|------|--|--|--|
| d_M, Delay for Movement [s/veh] | 0.00 | 0.00 | 9.43 | 9.97 | 0.00 | 0.00 | | | |
| Movement LOS | Α | | Α | А | | | | | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.25 | 0.25 | 0.00 | 0.00 | | | |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 6.17 | 6.17 | 0.00 | 0.00 | | | |
| d_A, Approach Delay [s/veh] | 0. | 00 | 9. | 43 | 0.0 | 00 | | | |
| Approach LOS | , | 4 | | A | F | 1 | | | |
| d_I, Intersection Delay [s/veh] | | | 4. | 30 | | | | | |
| Intersection LOS | | A | | | | | | | |



Intersection Level Of Service Report Intersection 6: W Pioneer Access

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes

Delay (sec / veh): 0.0
Level Of Service: A
Volume to Capacity (v/c): 0.000

Intersection Setup

| Name | | | | | | | |
|------------------------------|--------|------------|---------------|--------|--------|--------|--|
| Approach | South | Southbound | | bound | West | bound | |
| Lane Configuration | - | r | ٦ | 11 | IIr | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 0 | | 1 | 0 | 0 | 1 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 180.00 100.00 | | 100.00 | 200.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 2 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 174.61 | 0.00 | 0.00 | |
| Speed [mph] | 15 | 15.00 | | 35.00 | | .00 | |
| Grade [%] | 0 | 0.00 | | 0.00 | | 00 | |
| Crosswalk | 1 | No | 1 | No | No | | |

| Name | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 0 | 0 | 7 | 11 | 0 |
| Total Analysis Volume [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 |
| Pedestrian Volume [ped/h] | (|) | (|) | (|) |

Intersection Settings

| Priority Scheme | Stop | Free | Free |
|------------------------------------|------|------|------|
| Flared Lane | No | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | No | | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

Movement, Approach, & Intersection Results

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------------------------------------|------|------|------|------|------|------|
| d_M, Delay for Movement [s/veh] | 8.82 | 8.43 | 7.31 | 0.00 | 0.00 | 0.00 |
| Movement LOS | А | А | А | A | Α | Α |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| d_A, Approach Delay [s/veh] | 8.0 | 63 | 0. | 00 | 0.0 | 00 |
| Approach LOS | F | 4 | , | A | Į. | 4 |
| d_I, Intersection Delay [s/veh] | | | 0. | 00 | | |
| Intersection LOS | | | | | | |



Intersection Level Of Service Report Intersection 8: Isaac Newton Access

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes

Delay (sec / veh): 0.0 Level Of Service:

Volume to Capacity (v/c): 0.000

Intersection Setup

| Name | | | | | | | |
|------------------------------|--------|----------|---------------|----------|-----------|--------|--|
| Approach | North | nbound | South | bound | Eastbound | | |
| Lane Configuration | • | - | | → | Ψ. | | |
| Turning Movement | Left | Thru | Thru | Right | Left | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 | 0 0 | | 0 0 | | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 100.00 | | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 25 | 25.00 | | 25.00 | | .00 | |
| Grade [%] | 0 | 0.00 | | .00 | 0.00 | | |
| Crosswalk | 1 | No | | No | No | | |

| Name | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Analysis Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pedestrian Volume [ped/h] | (|) | (|) | (|) |

Intersection Settings

| Priority Scheme | Free | Free | Stop |
|------------------------------------|------|------|------|
| Flared Lane | | | No |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | | No |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

Movement, Approach, & Intersection Results

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
|---------------------------------------|------|------|------|------|------|------|--|--|--|--|
| d_M, Delay for Movement [s/veh] | 7.22 | 0.00 | 0.00 | 0.00 | 8.52 | 8.32 | | | | |
| Movement LOS | А | А | А | А | А | А | | | | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
| d_A, Approach Delay [s/veh] | 3.6 | 31 | 0.0 | 00 | 8.4 | 12 | | | | |
| Approach LOS | A | Α | F | A | F | 1 | | | | |
| d_I, Intersection Delay [s/veh] | | | 4. | 01 | | | | | | |
| Intersection LOS | | | | | | | | | | |

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Scenario 1 Existing Afternoon Peak 1/20/2022

Turning Movement Volume: Summary

| ID | Intersection Name | Northbound | | Southbound | | Eastbound | | | Westbound | | | Total | | |
|----|--|------------|------|------------|------|-----------|-------|------|-----------|-------|------|-------|-------|--------|
| טו | intersection Name | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| 1 | Falcon Ridge Parkway & Pioneer Blvd | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 | 1439 |

| ID | Intersection Name | Southbound | | Eastb | ound | West | Total | |
|----|-------------------------------------|------------|-------|-------|------|------|-------|--------|
| טו | D intersection Name | | Right | Left | Thru | Thru | Right | Volume |
| 2 | Isaac Newton Dr & W Pioneer Blvd | 0 | 0 | 0 | 26 | 45 | 0 | 71 |

| ID | Intersection Name | Northbound | | Southbound | | Eastbound | | | Westbound | | | Total | | |
|----|---------------------------------------|------------|------|------------|------|-----------|-------|------|-----------|-------|------|-------|-------|--------|
| טו | intersection name | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| 3 | Lower Flat Top Dr & W Pioneer Blvd | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 | 91 |

| ID | Intersection Name | Northbound | | South | bound | W | nd | Total | |
|----|--------------------------------------|------------|------|-------|-------|------|------|-------|--------|
| טו | intersection Name | Left | Thru | Thru | Right | Left | Thru | Right | Volume |
| 4 | Lower Flat Top Dr & I-15 SB Ramps | 1 | 66 | 78 | 66 | 2 | 2 | 69 | 284 |

| ID | Intersection Name | Southbound | Eastb | ound | Total |
|----|--------------------------------------|------------|-------|------|--------|
| טו | intersection name | Left | Left | Thru | Volume |
| 5 | Lower Flat Top Dr & I-15 NB Ramps | 80 | 67 | 0 | 147 |

| Ī | ID | Intersection Name | South | bound | Eastb | ound | Westl | Total | |
|---|----|-------------------|-------|-------|-------|------|-------|-------|--------|
| | טו | intersection name | Left | Right | Left | Thru | Thru | Right | Volume |
| Ī | 6 | W Pioneer Access | 0 | 0 | 0 | 26 | 45 | 0 | 71 |

Generated with PTV VISTRO

Version 2022 (SP 0-0)

| ID | Intersection Name | North | bound | South | bound | Eastb | Total | |
|----|---------------------|-------|-------|-------|-------|-------|-------|--------|
| טו | intersection Name | Left | Thru | Thru | Right | Left | Right | Volume |
| 8 | Isaac Newton Access | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Scenario 1 Existing Afternoon Peak 1/20/2022

Turning Movement Volume: Detail

| ID | Intersection | Volume Type | N | orthbou | nd | Sc | outhbou | nd | Eastbound | | | Westbound | | | Total |
|----|---------------------------|---------------|------|---------|-------|------|---------|-------|-----------|------|-------|-----------|------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 | 1439 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 1 | Falcon Ridge Parkway & | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ' | Pioneer Blvd | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 | 1439 |

| ID | Intersection | Volume Type | South | bound | Easth | oound | West | Total | |
|----|--------------------------------|---------------|-------|-------|-------|-------|------|-------|--------|
| ID | Name | Volume Type | Left | Right | Left | Thru | Thru | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 26 | 45 | 0 | 71 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 2 | Isaac Newton Dr & W Pioneer | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Blvd | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 0 | 0 | 0 | 26 | 45 | 0 | 71 |

| ID | Intersection | Maluma a Tum a | N | orthbou | nd | So | outhbou | nd | Е | astboun | ıd | W | /estbour | nd | Total |
|----|----------------------------------|----------------|------|---------|-------|------|---------|-------|------|---------|-------|------|----------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 | 91 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 3 | Lower Flat Top Dr & W Pioneer | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Blvd | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 | 91 |

| ID | Intersection | Valuma Tyna | Northl | bound | South | bound | V | nd | Total | |
|------|--------------------------------|---------------|--------|-------|-------|-------|------|------|-------|--------|
| l ID | Name | Volume Type | Left | Thru | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 1 | 66 | 78 | 66 | 2 | 2 | 69 | 284 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 4 | Lower Flat Top Dr & I-15 SB | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Ramps | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 1 | 66 | 78 | 66 | 2 | 2 | 69 | 284 |

| ID | Intersection | Valuma Tuma | Southbound | Eastb | ound | Total |
|----|----------------------------------|---------------|------------|-------|------|--------|
| ID | Name | Volume Type | Left | Left | Thru | Volume |
| | | Final Base | 80 | 67 | 0 | 147 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | - |
| 5 | Lower Flat Top 5 Dr & I-15 NB | In Process | 0 | 0 | 0 | 0 |
| 5 | Ramps | Net New Trips | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 |
| | | Future Total | 80 | 67 | 0 | 147 |

| ID | Intersection | Valuma Tuna | South | bound | East | oound | West | oound | Total |
|----|--------------|---------------|-------|-------|------|-------|------|-------|--------|
| טו | Name | Volume Type | Left | Right | Left | Thru | Thru | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 26 | 45 | 0 | 71 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 6 | W Pioneer | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Access | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 0 | 0 | 0 | 26 | 45 | 0 | 71 |

| 10 | Intersection | Volume Type | North | bound | South | bound | Eastb | Total | |
|----|--------------|---------------|-------|-------|-------|-------|-------|-------|--------|
| ID | Name | volume Type | Left | Thru | Thru | Right | Left | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 8 | Isaac Newton | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | Access | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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Scenario 1 Existing Afternoon Peak

1/20/2022

Trip Generation summary

Added Trips

| Zone ID: Name | Land Use variables | Code | Ind. Var. | Rate | Quantity | % In | % Out | Trips In | Trips Out | Total Trips | % of Total Trips |
|---------------|--------------------|------|--------------|-------|----------|--------------|-------|----------|-----------|----------------|---------------------|
| 1: Zone | | | | 1.000 | 0.000 | 50.00 | 50.00 | 0 | 0 | 0 | 0.00 |
| | | | | | Added | d Trips Tota | al | 0 | 0 | 0 | 0.00 |

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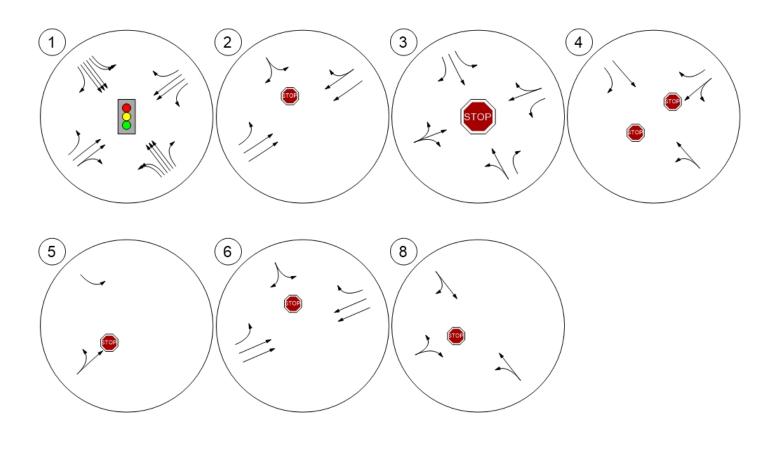
Scenario 1 Existing Afternoon Peak 1/20/2022

Trip Distribution summary

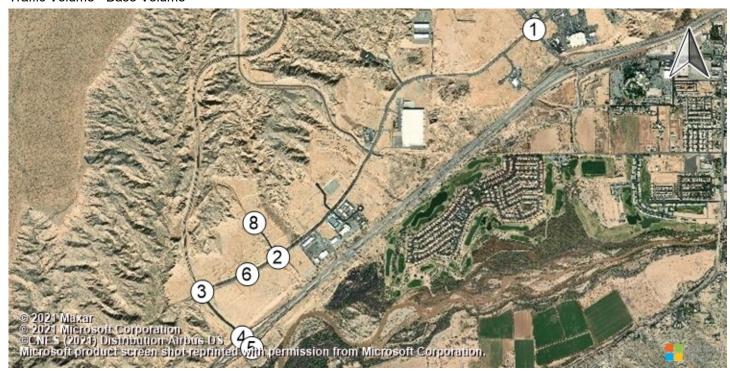
| | | Zone 1: Zone | | | | | | | | | |
|-------------|---------|--------------|---------|-------|--|--|--|--|--|--|--|
| | To Z | one: | From | Zone: | | | | | | | |
| Zone / Gate | Share % | Trips | Share % | Trips | | | | | | | |
| 2: Gate | 10.00 | 0 | 10.00 | 0 | | | | | | | |
| 3: Gate | 5.00 | 0 | 5.00 | 0 | | | | | | | |
| 4: Gate | 10.00 | 0 | 10.00 | 0 | | | | | | | |
| 5: Gate | 15.00 | 0 | 15.00 | 0 | | | | | | | |
| 6: Gate | 35.00 | 0 | 35.00 | 0 | | | | | | | |
| 7: Gate | 25.00 | 0 | 25.00 | 0 | | | | | | | |
| Total | 100.00 | 0 | 100.00 | 0 | | | | | | | |

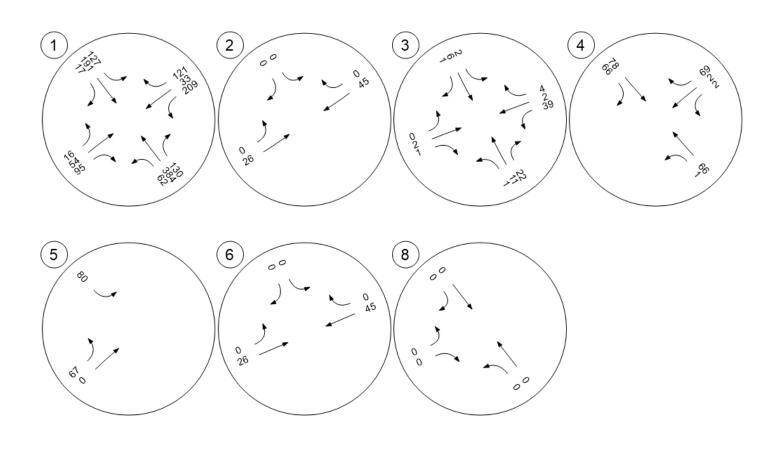
Lane Configuration and Traffic Control



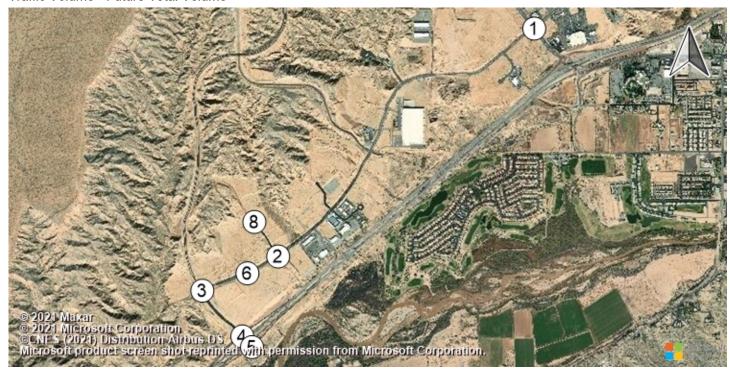


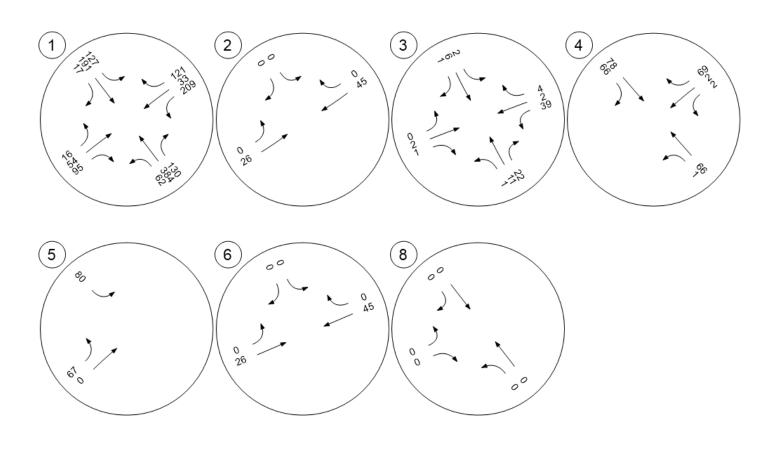
Traffic Volume - Base Volume



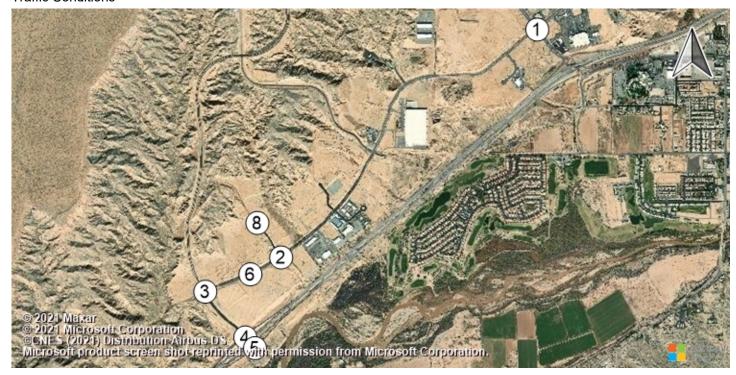


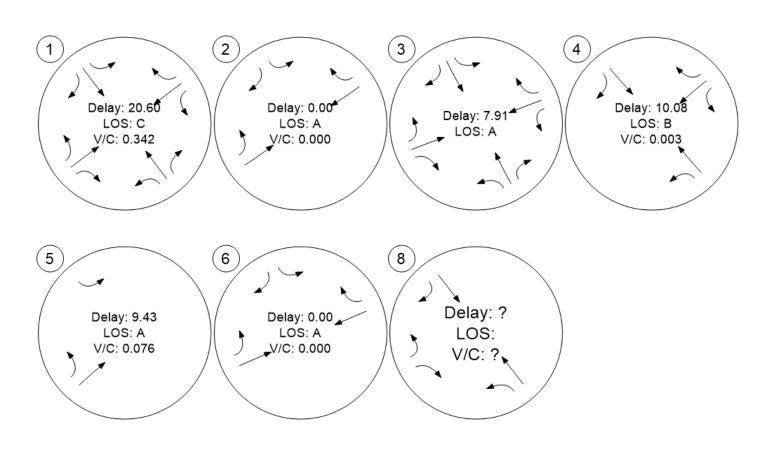
Traffic Volume - Future Total Volume





Traffic Conditions





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Scenario 2 2028 Background Peak 1/20/2022

Intersection Analysis Summary

| ID | Intersection Name | Control Type | Method | Worst Mvmt | V/C | Delay (s/veh) | LOS |
|----|--|--------------|--------------------|------------|-------|---------------|-----|
| 1 | Falcon Ridge Parkway & Pioneer Blvd | Signalized | HCM 6th Edition | EB Right | 0.398 | 22.2 | С |
| 2 | Isaac Newton Dr & W Pioneer Blvd | Two-way stop | HCM 6th Edition | WB Thru | 0.001 | 0.0 | Α |
| 3 | Lower Flat Top Dr & W Pioneer Blvd | All-way stop | HCM 6th Edition | WB Left | 0.070 | 8.0 | Α |
| 4 | Lower Flat Top Dr & I-15 SB Ramps | Two-way stop | HCM 6th Edition | WB Thru | 0.003 | 10.3 | В |
| 5 | Lower Flat Top Dr & I-15 NB Ramps | Two-way stop | HCM 6th Edition | EB Left | 0.091 | 9.6 | Α |
| 6 | W Pioneer Access | Two-way stop | HCM 6th Edition | WB Thru | 0.001 | 0.0 | Α |
| 8 | Isaac Newton Access | Two-way stop | HCM 6th Edition | | 0.000 | 0.0 | |

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.



Intersection Level Of Service Report Intersection 1: Falcon Ridge Parkway & Pioneer Blvd

Control Type:SignalizedDelay (sec / veh):22.2Analysis Method:HCM 6th EditionLevel Of Service:CAnalysis Period:15 minutesVolume to Capacity (v/c):0.398

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|--------|----------|--------|--------|----------|--------|--------|----------------|--------|--------|----------|--------|
| Approach | N | orthbour | ıd | S | outhbour | nd | Е | astboun | d | ٧ | Vestboun | d |
| Lane Configuration | ٦, | <u> </u> | ۲ | 7 | <u> </u> | ۲ | • | 1 | | 7116 | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Entry Pocket Length [ft] | 350.00 | 100.00 | 525.00 | 300.00 | 100.00 | 200.00 | 180.00 | 100.00 | 100.00 | 300.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | | 35.00 | | | 35.00 | | | 35.00 | | | 35.00 | |
| Grade [%] | 0.00 | | | | 0.00 | | | 0.00 | | | 0.00 | |
| Curb Present | No | | | | No | | No | | | No | | |
| Crosswalk | Yes | | | Yes | | | Yes | | | Yes | | |

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Right Turn on Red Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 73 | 453 | 153 | 150 | 225 | 20 | 19 | 64 | 112 | 247 | 39 | 143 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 18 | 113 | 38 | 38 | 56 | 5 | 5 | 16 | 28 | 62 | 10 | 36 |
| Total Analysis Volume [veh/h] | 73 | 453 | 153 | 150 | 225 | 20 | 19 | 64 | 112 | 247 | 39 | 143 |
| Presence of On-Street Parking | No | | No |
| On-Street Parking Maneuver Rate [/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Local Bus Stopping Rate [/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| v_do, Outbound Pedestrian Volume crossing major stre | е | 0 | | | 0 | | | 0 | | | 0 | |
| v_di, Inbound Pedestrian Volume crossing major street | [| 0 | | | 0 | | | 0 | | | 0 | |
| v_co, Outbound Pedestrian Volume crossing minor stre | ee 0 | | | | 0 | | | 0 | | | 0 | |
| v_ci, Inbound Pedestrian Volume crossing minor street | et [0 | | | | 0 | | 0 | | | 0 | | |
| v_ab, Corner Pedestrian Volume [ped/h] | 0 | | | 0 | | 0 | | | 0 | | | |
| Bicycle Volume [bicycles/h] | | 0 | | | 0 | | | 0 | | 0 | | |

Intersection Settings

| Located in CBD | Yes |
|---------------------------|---------------------------------------|
| Signal Coordination Group | - |
| Cycle Length [s] | 90 |
| Coordination Type | Free Running |
| Actuation Type | Fully actuated |
| Offset [s] | 0.0 |
| Offset Reference | Lead Green - Beginning of First Green |
| Permissive Mode | SingleBand |
| Lost time [s] | 5.00 |

Phasing & Timing

| Control Type | Protect | Permis | Permis | Protect | Permis | Permis | ProtPer | Permis | Permis | ProtPer | Permis | Permis |
|------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| Signal Group | 1 | 6 | 0 | 5 | 2 | 0 | 7 | 4 | 0 | 3 | 8 | 0 |
| Auxiliary Signal Groups | | | | | | | | | | | | |
| Lead / Lag | Lead | - | - |
| Minimum Green [s] | 6 | 7 | 0 | 8 | 8 | 0 | 8 | 4 | 0 | 8 | 8 | 0 |
| Maximum Green [s] | 30 | 30 | 0 | 30 | 30 | 0 | 30 | 30 | 0 | 30 | 30 | 0 |
| Amber [s] | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 |
| All red [s] | 3.7 | 2.0 | 0.0 | 3.8 | 1.8 | 0.0 | 3.7 | 2.1 | 0.0 | 3.7 | 2.2 | 0.0 |
| Split [s] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vehicle Extension [s] | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 |
| Walk [s] | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 |
| Pedestrian Clearance [s] | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 27 | 0 | 0 | 27 | 0 |
| Delayed Vehicle Green [s] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rest In Walk | | No | | | No | | | No | | | No | |
| I1, Start-Up Lost Time [s] | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 |
| I2, Clearance Lost Time [s] | 4.7 | 4.0 | 0.0 | 4.8 | 3.8 | 0.0 | 4.7 | 4.1 | 0.0 | 4.7 | 4.2 | 0.0 |
| Minimum Recall | No | Yes | | No | Yes | | No | No | | No | No | |
| Maximum Recall | No | No | |
| Pedestrian Recall | No | No | |
| Detector Location [ft] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Detector Length [ft] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I, Upstream Filtering Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Exclusive Pedestrian Phase

| Pedestrian Signal Group | 0 |
|--------------------------|---|
| Pedestrian Walk [s] | 0 |
| Pedestrian Clearance [s] | 0 |



Lane Group Calculations

| Lane Group | L | С | R | L | С | R | L | С | С | L | С | R |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C, Cycle Length [s] | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| L, Total Lost Time per Cycle [s] | 6.70 | 6.00 | 6.00 | 6.80 | 5.80 | 5.80 | 6.10 | 6.10 | 6.10 | 6.20 | 6.20 | 6.20 |
| I1_p, Permitted Start-Up Lost Time [s] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2, Clearance Lost Time [s] | 4.70 | 4.00 | 4.00 | 4.80 | 3.80 | 3.80 | 0.00 | 4.10 | 4.10 | 0.00 | 4.20 | 4.20 |
| g_i, Effective Green Time [s] | 4 | 11 | 11 | 7 | 14 | 14 | 21 | 7 | 7 | 23 | 14 | 14 |
| g / C, Green / Cycle | 0.07 | 0.18 | 0.18 | 0.12 | 0.24 | 0.24 | 0.35 | 0.12 | 0.12 | 0.38 | 0.24 | 0.24 |
| (v / s)_i Volume / Saturation Flow Rate | 0.02 | 0.10 | 0.11 | 0.05 | 0.05 | 0.01 | 0.02 | 0.04 | 0.08 | 0.18 | 0.01 | 0.10 |
| s, saturation flow rate [veh/h] | 3113 | 4584 | 1431 | 3113 | 4584 | 1431 | 1251 | 1683 | 1431 | 1406 | 3204 | 1431 |
| c, Capacity [veh/h] | 221 | 823 | 257 | 380 | 1080 | 337 | 606 | 195 | 166 | 633 | 761 | 340 |
| d1, Uniform Delay [s] | 26.79 | 22.64 | 22.85 | 24.55 | 18.62 | 17.96 | 11.54 | 24.63 | 25.70 | 13.77 | 17.85 | 19.59 |
| k, delay calibration | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| I, Upstream Filtering Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| d2, Incremental Delay [s] | 1.23 | 0.82 | 3.12 | 0.95 | 0.13 | 0.10 | 0.03 | 1.38 | 6.64 | 0.56 | 0.04 | 1.18 |
| d3, Initial Queue Delay [s] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rp, platoon ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PF, progression factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Lane Group Results

| X, volume / capacity | 0.33 | 0.55 | 0.60 | 0.39 | 0.21 | 0.06 | 0.03 | 0.33 | 0.67 | 0.39 | 0.05 | 0.42 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| d, Delay for Lane Group [s/veh] | 28.03 | 23.46 | 25.97 | 25.49 | 18.76 | 18.06 | 11.57 | 26.00 | 32.34 | 14.33 | 17.88 | 20.77 |
| Lane Group LOS | С | С | С | С | В | В | В | С | С | В | В | С |
| Critical Lane Group | No | No | Yes | Yes | No | No | No | No | Yes | Yes | No | No |
| 50th-Percentile Queue Length [veh/ln] | 0.50 | 1.85 | 2.05 | 0.97 | 0.78 | 0.21 | 0.14 | 0.86 | 1.73 | 2.21 | 0.20 | 1.65 |
| 50th-Percentile Queue Length [ft/ln] | 12.62 | 46.25 | 51.27 | 24.15 | 19.51 | 5.17 | 3.58 | 21.39 | 43.30 | 55.20 | 4.89 | 41.32 |
| 95th-Percentile Queue Length [veh/ln] | 0.91 | 3.33 | 3.69 | 1.74 | 1.40 | 0.37 | 0.26 | 1.54 | 3.12 | 3.97 | 0.35 | 2.98 |
| 95th-Percentile Queue Length [ft/ln] | 22.71 | 83.25 | 92.28 | 43.47 | 35.11 | 9.31 | 6.45 | 38.50 | 77.95 | 99.36 | 8.81 | 74.38 |

Movement, Approach, & Intersection Results

| d_M, Delay for Movement [s/veh] | 28.03 | 23.46 | 25.97 | 25.49 | 18.76 | 18.06 | 11.57 | 26.00 | 32.34 | 14.33 | 17.88 | 20.77 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Movement LOS | С | С | С | С | В | В | В | С | С | В | В | С |
| d_A, Approach Delay [s/veh] | | 24.52 | | | 21.28 | | | 28.24 | | | | |
| Approach LOS | | С | | | С | | | С | | | | |
| d_I, Intersection Delay [s/veh] | | | | | | 22 | .24 | | | | | |
| Intersection LOS | С | | | | | | | | | | | |
| Intersection V/C | 0.398 | | | | | | | | | | | |

Other Modes

| g_Walk,mi, Effective Walk Time [s] | 11.0 | 11.0 | 11.0 | 11.0 |
|---|---------|-------|-------|-------|
| M_corner, Corner Circulation Area [ft²/ped] | 0.00 | 0.00 | 0.00 | 0.00 |
| M_CW, Crosswalk Circulation Area [ft²/ped] | 0.00 | 0.00 | 0.00 | 0.00 |
| d_p, Pedestrian Delay [s] | 20.22 | 20.22 | 20.22 | 20.22 |
| I_p,int, Pedestrian LOS Score for Intersection | 3.038 | 2.961 | 2.493 | 2.582 |
| Crosswalk LOS | С | С | В | В |
| s_b, Saturation Flow Rate of the bicycle lane [bicycles/l | 1] 2000 | 2000 | 2000 | 2000 |
| c_b, Capacity of the bicycle lane [bicycles/h] | 993 | 993 | 993 | 993 |
| d_b, Bicycle Delay [s] | 7.66 | 7.66 | 7.66 | 7.66 |
| I_b,int, Bicycle LOS Score for Intersection | 1.933 | 1.777 | 1.720 | 1.914 |
| Bicycle LOS | A | A | A | A |

Sequence

| Ring 1 | 1 | 2 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ring 2 | 5 | 6 | 7 | 8 | - | - | - | - | - | - | - | - | - | - | - | - |
| Ring 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ring 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |





Intersection Level Of Service Report Intersection 2: Isaac Newton Dr & W Pioneer Blvd

Control Type:Two-way stopDelay (sec / veh):0.0Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.001

Intersection Setup

| Name | | | | | | | |
|------------------------------|---------------|----------|-------------|--------|-----------|--------|--|
| Approach | South | bound | Eastl | bound | Westbound | | |
| Lane Configuration | ٦ | r | 7 | 11 | IF. | | |
| Turning Movement | Left Right | | Left | Thru | Thru | Right | |
| Lane Width [ft] | 12.00 12.00 1 | | 12.00 12.00 | | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 0 | | 1 | 0 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 300.00 | 100.00 | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 25 | 25.00 | | 5.00 | 35.00 | | |
| Grade [%] | 0. | 00 | 0. | .00 | 0.00 | | |
| Crosswalk | N | lo | N | No. | No | | |

| Name | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 100.00 | 100.00 | 100.00 | 2.00 | 2.00 | 100.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 0 | 0 | 0 | 31 | 53 | 0 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 0 | 0 8 | | 13 | 0 |
| Total Analysis Volume [veh/h] | 0 | 0 | 0 | 31 | 53 | 0 |
| Pedestrian Volume [ped/h] | (|) | (|) | 0 |) |

Intersection Settings

| Priority Scheme | Stop | Free | Free |
|------------------------------------|------|------|------|
| Flared Lane | No | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | No | | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

Movement, Approach, & Intersection Results

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
|---------------------------------------|-----------|------|------|------|------|------|--|
| d_M, Delay for Movement [s/veh] | 10.10 | 9.52 | 8.42 | 0.00 | 0.00 | 0.00 | |
| Movement LOS | В А | | А | A | Α | А | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | |
| 95th-Percentile Queue Length [ft/ln] | 0.00 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | |
| d_A, Approach Delay [s/veh] | 9.8 | 81 | 0. | 00 | 0.00 | | |
| Approach LOS | J. | 4 | , | A | Į. | 4 | |
| d_I, Intersection Delay [s/veh] | | | 0. | 00 | | | |
| Intersection LOS | | | , | A | | | |



Intersection Level Of Service Report Intersection 3: Lower Flat Top Dr & W Pioneer Blvd

Control Type:All-way stopDelay (sec / veh):8.0Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.070

Intersection Setup

| Name | | | | | | | | | | | | | |
|------------------------------|--------|------------|--------|--------|------------|--------|--------|-----------|--------|--------|-----------|--------|--|
| Approach | N | Northbound | | | Southbound | | | Eastbound | | | Westbound | | |
| Lane Configuration | ٦r | | | Пr | | | + | | | ٦Þ | | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 250.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | | 35.00 | | | 35.00 | | 30.00 | | | 30.00 | | | |
| Grade [%] | | 0.00 | | | 0.00 | | | 0.00 | | | 0.00 | | |
| Crosswalk | | No | | No | | | No | | | No | | | |

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 1 | 13 | 26 | 2 | 7 | 1 | 0 | 2 | 1 | 46 | 2 | 5 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 3 | 7 | 1 | 2 | 0 | 0 | 1 | 0 | 12 | 1 | 1 |
| Total Analysis Volume [veh/h] | 1 | 13 | 26 | 2 | 7 | 1 | 0 | 2 | 1 | 46 | 2 | 5 |
| Pedestrian Volume [ped/h] | | 0 | | 0 | | | 0 | | | 0 | | |

Intersection Settings

| Lanes | | | | | | |
|---------------------------------|------|------|------|------|------|------|
| Capacity per Entry Lane [veh/h] | 710 | 830 | 644 | 708 | 821 | 737 |
| Degree of Utilization, x | 0.02 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 |

| | | 1 | | | | | | |
|--|------|--------------------------|---------------------|------|------|------|------|------|
| Degree of Utilization, x | 0.02 | 0.03 0.00 0.01 0.00 0.00 | | 0.07 | 0.01 | | | |
| Movement, Approach, & Intersection Results | | | | | | | | |
| 95th-Percentile Queue Length [veh] | 0.06 | 0.10 | 0.01 0.03 0.00 | | 0.00 | 0.01 | 0.22 | 0.03 |
| 95th-Percentile Queue Length [ft] | 1.51 | 2.42 | 0.23 0.75 0.09 0.31 | | 0.31 | 5.62 | 0.66 | |
| Approach Delay [s/veh] | 7. | 42 | 7.86 | | | 7.91 | 8.4 | 40 |
| Approach LOS | , | 4 | | Α | | А | A | 4 |
| Intersection Delay [s/veh] | | | | | 7.9 | 97 | | |
| Intersection LOS | | | | | F | 4 | | |

658

804



Intersection Level Of Service Report Intersection 4: Lower Flat Top Dr & I-15 SB Ramps

Control Type:Two-way stopDelay (sec / veh):10.3Analysis Method:HCM 6th EditionLevel Of Service:BAnalysis Period:15 minutesVolume to Capacity (v/c):0.003

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|--------|----------|--------|------------|--------|--------|-----------|--------|--------|-----------|--------|--------|
| Approach | N | orthbour | ıd | Southbound | | | Eastbound | | | Westbound | | |
| Lane Configuration | 4 | | | İr | | | | | | 46 | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 250.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | | 30.00 | | | 30.00 | | 30.00 | | | 30.00 | | |
| Grade [%] | 0.00 | | | 0.00 | | | 0.00 | | | 0.00 | | |
| Crosswalk | | No | | No | | | No | | | No | | |

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 1 | 66 | 0 | 0 | 78 | 66 | 0 | 0 | 0 | 2 | 2 | 69 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 20.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 20.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.0000 | 1.0000 | 1.1800 | 1.1800 | 1.0000 | 1.0000 | 1.0000 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 1 | 78 | 0 | 0 | 92 | 78 | 0 | 0 | 0 | 2 | 2 | 81 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 20 | 0 | 0 | 23 | 20 | 0 | 0 | 0 | 1 | 1 | 20 |
| Total Analysis Volume [veh/h] | 1 | 78 | 0 | 0 | 92 | 78 | 0 | 0 | 0 | 2 | 2 | 81 |
| Pedestrian Volume [ped/h] | | 0 | | 0 | | | | 0 | | 0 | | |

Version 2022 (SP 0-0) Intersection Settings

| Priority Scheme | Free | Free | Stop | Stop |
|------------------------------------|------|------|------|------|
| Flared Lane | | | | |
| Storage Area [veh] | 0 | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | | | No |
| Number of Storage Spaces in Median | 0 | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
|---------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| d_M, Delay for Movement [s/veh] | 7.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.11 | 10.25 | 9.22 |
| Movement LOS | Α | Α | | | Α | Α | | | | В | В | Α |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.28 |
| 95th-Percentile Queue Length [ft/ln] | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.43 | 7.10 |
| d_A, Approach Delay [s/veh] | | 0.10 | | | 0.00 | | | 0.00 | | | 9.26 | |
| Approach LOS | | Α | | | Α | | | Α | | | Α | |
| d_I, Intersection Delay [s/veh] | 2.38 | | | | | | | | | | | |
| Intersection LOS | | | | | | E | 3 | | | | | |



Intersection Level Of Service Report Intersection 5: Lower Flat Top Dr & I-15 NB Ramps

Control Type:Two-way stopDelay (sec / veh):9.6Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.091

Intersection Setup

| Name | | | | | | | |
|------------------------------|------------|--------|-----------|--------|-----------|--------|--|
| Approach | Southbound | | Eastbound | | Westbound | | |
| Lane Configuration | • | ٦ | | 1 | | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 | 0 0 | | 0 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 35.00 | | 45.00 | | 30.00 | | |
| Grade [%] | 0.00 | | 0.00 | | 0.00 | | |
| Crosswalk | N | No | | No | | No | |

| Name | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--|
| Base Volume Input [veh/h] | 80 | 0 | 67 | 0 | 0 | 0 | |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Heavy Vehicles Percentage [%] | 20.00 | 2.00 | 20.00 | 20.00 | 2.00 | 2.00 | |
| Growth Factor | 1.1800 | 1.0000 | 1.1800 | 1.1800 | 1.0000 | 1.0000 | |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Hourly Volume [veh/h] | 94 | 0 | 79 | 0 | 0 | 0 | |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Total 15-Minute Volume [veh/h] | 24 | 0 | 20 | 0 | 0 | 0 | |
| Total Analysis Volume [veh/h] | 94 | 0 | 79 | 0 | 0 | 0 | |
| Pedestrian Volume [ped/h] | C |) | (| 0 | 0 | | |

| intersection Settings |
|-----------------------|
|-----------------------|

| Priority Scheme | Free | Stop | Free |
|------------------------------------|------|------|------|
| Flared Lane | | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | No | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | |
|---------------------------------------|------|------|------|-------|------|------|--|
| d_M, Delay for Movement [s/veh] | 0.00 | 0.00 | 9.59 | 10.14 | 0.00 | 0.00 | |
| Movement LOS | Α | | Α | В | | | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.30 | 0.30 | 0.00 | 0.00 | |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 7.53 | 7.53 | 0.00 | 0.00 | |
| d_A, Approach Delay [s/veh] | 0. | 00 | 9. | .59 | 0.0 | 00 | |
| Approach LOS | , | A | | A | A | Α | |
| d_I, Intersection Delay [s/veh] | 4.38 | | | | | | |
| Intersection LOS | A | | | | | | |



Intersection Level Of Service Report Intersection 6: W Pioneer Access

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes

Delay (sec / veh): 0.0
Level Of Service: A
Volume to Capacity (v/c): 0.001

Intersection Setup

| Name | | | | | | | |
|------------------------------|--------|------------|--------|-----------|--------|--------|--|
| Approach | South | Southbound | | Eastbound | | oound | |
| Lane Configuration | т | | пII | | lir | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 | 0 | 1 | 0 | 0 | 1 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 180.00 | 100.00 | 100.00 | 200.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 2 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 174.61 | 0.00 | 0.00 | |
| Speed [mph] | 15 | 15.00 | | 35.00 | | .00 | |
| Grade [%] | 0.00 | | 0.00 | | 0.00 | | |
| Crosswalk | N | lo | 1 | No | | No | |

| Name | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 | |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 | |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Hourly Volume [veh/h] | 0 | 0 | 0 | 31 | 53 | 0 | |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Total 15-Minute Volume [veh/h] | 0 | 0 | 0 | 8 | 13 | 0 | |
| Total Analysis Volume [veh/h] | 0 | 0 | 0 | 31 | 53 | 0 | |
| Pedestrian Volume [ped/h] | 0 | | (|) | 0 | | |

Intersection Settings

| Priority Scheme | Stop | Free | Free |
|------------------------------------|------|------|------|
| Flared Lane | No | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | No | | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
|---------------------------------------|------|------|------|------|------|------|--|
| d_M, Delay for Movement [s/veh] | 8.88 | 8.45 | 7.32 | 0.00 | 0.00 | 0.00 | |
| Movement LOS | А | А | А | A | A | А | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| d_A, Approach Delay [s/veh] | 8.0 | 66 | 0. | 00 | 0.0 | 00 | |
| Approach LOS | J. | 4 | , | 4 | A | | |
| d_I, Intersection Delay [s/veh] | 0.00 | | | | | | |
| Intersection LOS | A | | | | | | |



Intersection Level Of Service Report Intersection 8: Isaac Newton Access

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes

Delay (sec / veh): 0.0 Level Of Service:

Volume to Capacity (v/c): 0.000

Intersection Setup

| Name | | | | | | | |
|------------------------------|--------|------------|--------|------------|--------|----------|--|
| Approach | North | Northbound | | Southbound | | oound | |
| Lane Configuration | • | 4 | | F | | r | |
| Turning Movement | Left | Thru | Thru | Right | Left | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 25 | 25.00 | | 25.00 | | 15.00 | |
| Grade [%] | 0 | 0.00 | | 0.00 | | 0.00 | |
| Crosswalk | 1 | No | | No | | No | |

| Name | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Analysis Volume [veh/h] | 0 0 | | 0 0 | | 0 | 0 |
| Pedestrian Volume [ped/h] | (|) | (|) | (|) |

Intersection Settings

| Priority Scheme | Free | Free | Stop |
|------------------------------------|------|------|------|
| Flared Lane | | | No |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | | No |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
|---------------------------------------|------|------|------|------|------|------|
| d_M, Delay for Movement [s/veh] | 7.22 | 0.00 | 0.00 | 0.00 | 8.52 | 8.32 |
| Movement LOS | А | А | А | А | А | А |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| d_A, Approach Delay [s/veh] | 3.6 | 31 | 0.0 | 00 | 8.4 | 12 |
| Approach LOS | A | Α | F | A | F | 1 |
| d_I, Intersection Delay [s/veh] | | | 4. | 01 | | |
| Intersection LOS | | | | | | |

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Scenario 2 2028 Background Peak 1/20/2022

Turning Movement Volume: Summary

| ID | Intersection Name | Northbound | | Sc | Southbound | | | Eastbound | | | estbour/ | Total | | |
|----|--|------------|------|-------|------------|------|-------|-----------|------|-------|----------|-------|-------|--------|
| טו | intersection name | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| 1 | Falcon Ridge Parkway & Pioneer Blvd | 73 | 453 | 153 | 150 | 225 | 20 | 19 | 64 | 112 | 247 | 39 | 143 | 1698 |

| ID | Intersection Name | Southbound | | Eastb | ound | West | oound | Total |
|----|-------------------------------------|------------|-------|-------|------|------|-------|--------|
| טו | intersection Name | Left | Right | Left | Thru | Thru | Right | Volume |
| 2 | Isaac Newton Dr & W Pioneer Blvd | 0 | 0 | 0 | 31 | 53 | 0 | 84 |

| ID | Intersection Name | Intersection Name Northbound | | So | Southbound | | | Eastbound | | | estbour/ | Total | | |
|----|---------------------------------------|------------------------------|------|-------|------------|------|-------|-----------|------|-------|----------|-------|-------|--------|
| טו | intersection name | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| 3 | Lower Flat Top Dr & W Pioneer Blvd | 1 | 13 | 26 | 2 | 7 | 1 | 0 | 2 | 1 | 46 | 2 | 5 | 106 |

| ID | Intersection Name | Northbound | | South | bound | W | nd | Total | |
|----|--------------------------------------|------------|------|-------|-------|------|------|-------|--------|
| טו | intersection Name | Left | Thru | Thru | Right | Left | Thru | Right | Volume |
| 4 | Lower Flat Top Dr & I-15 SB Ramps | 1 | 78 | 92 | 78 | 2 | 2 | 81 | 334 |

| ĺ | 5 | Intersection Name | Southbound | Eastb | ound | Total |
|---|----|--------------------------------------|------------|-------|------|--------|
| | ID | intersection name | Left | Left | Thru | Volume |
| | 5 | Lower Flat Top Dr & I-15 NB Ramps | 94 | 79 | 0 | 173 |

| Ī | ID | Intersection Name | South | bound | Eastb | ound | Westl | Total | |
|---|----|-------------------|-------|-------|-------|------|-------|-------|--------|
| | טו | intersection name | Left | Right | Left | Thru | Thru | Right | Volume |
| Ī | 6 | W Pioneer Access | 0 | 0 | 0 | 31 | 53 | 0 | 84 |

Generated with PTV VISTRO

Version 2022 (SP 0-0)

| ID | Intersection Name | North | bound | South | bound | Easth | oound | Total |
|----|---------------------|-------|-------|-------|-------|-------|-------|--------|
| טו | intersection name | Left | Thru | Thru | Right | Left | Right | Volume |
| 8 | Isaac Newton Access | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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Scenario 2 2028 Background Peak 1/20/2022

Turning Movement Volume: Detail

| ID | Intersection | Maluma a Tum a | N | orthbou | nd | Southbound | | | Eastbound | | | Westbound | | | Total |
|----|---------------------------|----------------|------|---------|-------|------------|------|-------|-----------|------|-------|-----------|------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 | 1439 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 1 | Falcon Ridge Parkway & | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ' | Pioneer Blvd | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 73 | 453 | 153 | 150 | 225 | 20 | 19 | 64 | 112 | 247 | 39 | 143 | 1698 |

| ID | Intersection | Valuma Tyna | South | bound | Easth | oound | West | oound | Total |
|----|--------------------------------|---------------|-------|-------|-------|-------|------|-------|--------|
| ID | Name | Volume Type | Left | Right | Left | Thru | Thru | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 26 | 45 | 0 | 71 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 2 | Isaac Newton Dr & W Pioneer | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Blvd | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 0 | 0 | 0 | 31 | 53 | 0 | 84 |

| ID | Intersection | Values Tues | N | orthbou | nd | So | outhbou | nd | Е | astbour | ıd | V | /estbour | nd | Total |
|----|----------------------------------|---------------|------|---------|-------|------|---------|-------|------|---------|-------|------|----------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 | 91 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 3 | Lower Flat Top Dr & W Pioneer | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Blvd | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 1 | 13 | 26 | 2 | 7 | 1 | 0 | 2 | 1 | 46 | 2 | 5 | 106 |

| ID | Intersection | Valuma Tyna | Northl | bound | South | bound | V | Total | | |
|----|--------------------------------|---------------|--------|-------|-------|-------|------|-------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 1 | 66 | 78 | 66 | 2 | 2 | 69 | 284 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 4 | Lower Flat Top Dr & I-15 SB | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Ramps | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 1 | 78 | 92 | 78 | 2 | 2 | 81 | 334 |

| ID | Intersection | Values Tues | Southbound | Easth | ound | Total |
|----|--------------------------------|---------------|------------|-------|------|--------|
| טו | Name | Volume Type | Left | Left | Thru | Volume |
| | | Final Base | 80 | 67 | 0 | 147 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | - |
| 5 | Lower Flat Top Dr & I-15 NB | In Process | 0 | 0 | 0 | 0 |
| 3 | Ramps | Net New Trips | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 |
| | | Future Total | 94 | 79 | 0 | 173 |

| ID | Intersection | Valuma Tuna | South | bound | East | oound | West | Total | |
|----|--------------|---------------|-------|-------|------|-------|------|-------|--------|
| טו | Name | Volume Type | Left | Right | Left | Thru | Thru | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 26 | 45 | 0 | 71 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 6 | W Pioneer | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Access | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 0 | 0 | 0 | 31 | 53 | 0 | 84 |

| ID | Intersection | Valuma Tuma | North | bound | South | bound | Eastb | ound | Total |
|----|--------------|---------------|-------|-------|-------|-------|-------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Thru | Right | Left | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 8 | Isaac Newton | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | Access | Net New Trips | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



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Scenario 2 2028 Background Peak

1/20/2022

Trip Generation summary

Added Trips

| Zone ID: Name | Land Use variables | Code | Ind. Var. | Rate | Quantity | % In | % Out | Trips In | Trips Out | Total Trips | % of Total Trips |
|---------------|--------------------|------|--------------|-------|----------|--------------|-------|----------|-----------|----------------|---------------------|
| 1: Zone | | | | 1.000 | 0.000 | 50.00 | 50.00 | 0 | 0 | 0 | 0.00 |
| | | | | | Added | d Trips Tota | al | 0 | 0 | 0 | 0.00 |

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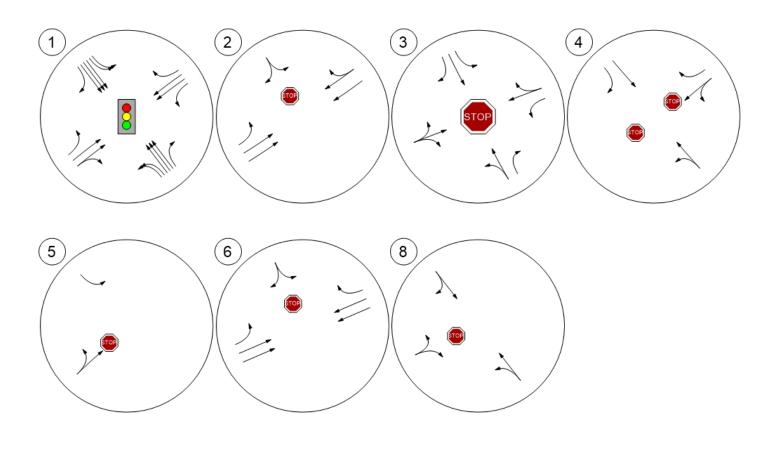
Scenario 2 2028 Background Peak 1/20/2022

Trip Distribution summary

| | | Zone ' | 1: Zone | |
|-------------|---------|--------|---------|-------|
| | To Z | one: | From | Zone: |
| Zone / Gate | Share % | Trips | Share % | Trips |
| 2: Gate | 10.00 | 0 | 10.00 | 0 |
| 3: Gate | 5.00 | 0 | 5.00 | 0 |
| 4: Gate | 10.00 | 0 | 10.00 | 0 |
| 5: Gate | 15.00 | 0 | 15.00 | 0 |
| 6: Gate | 35.00 | 0 | 35.00 | 0 |
| 7: Gate | 25.00 | 0 | 25.00 | 0 |
| Total | 100.00 | 0 | 100.00 | 0 |

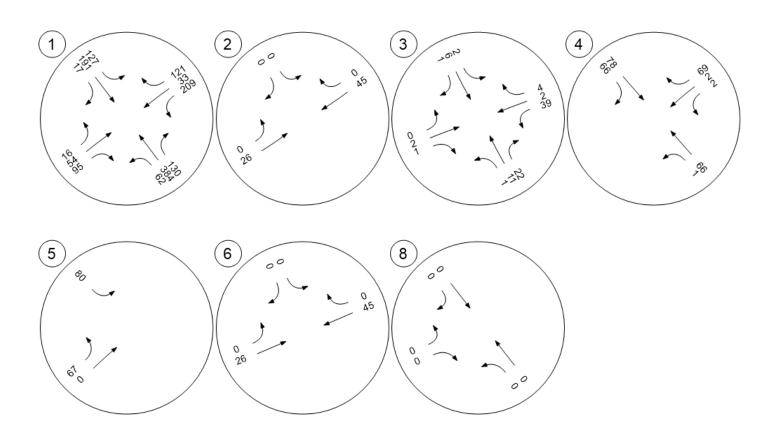
Lane Configuration and Traffic Control



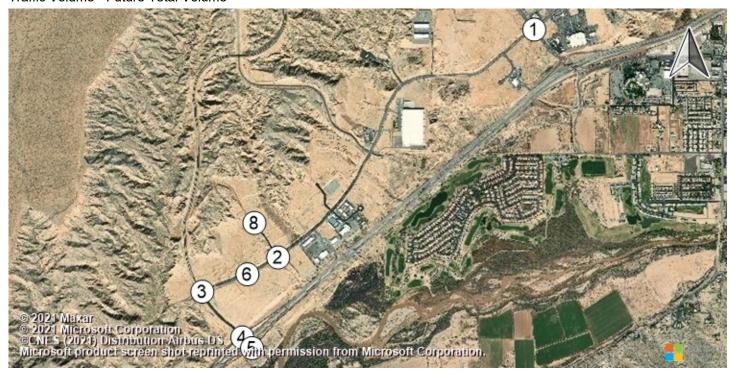


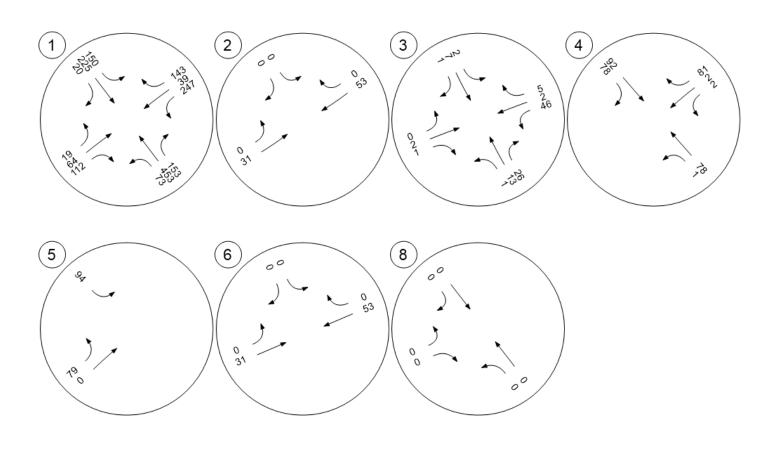
Traffic Volume - Base Volume



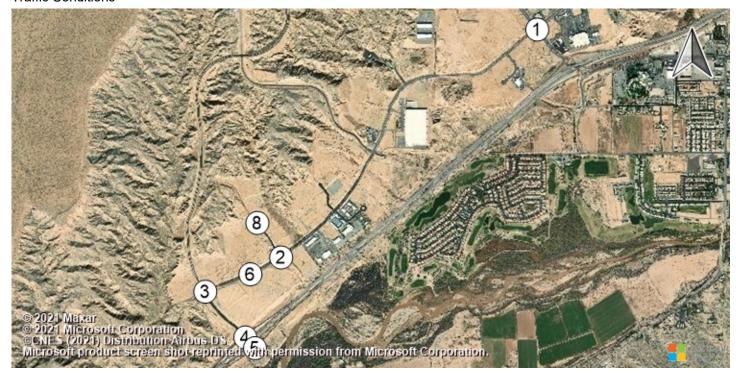


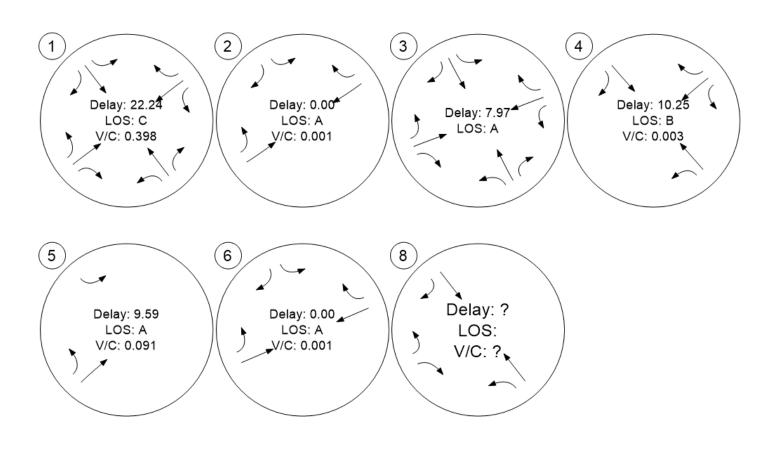
Traffic Volume - Future Total Volume





Traffic Conditions





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Intersection Analysis Summary

| ID | Intersection Name | Control Type | Method | Worst Mvmt | V/C | Delay (s/veh) | LOS |
|----|--|--------------|--------------------|------------|-------|---------------|-----|
| 1 | Falcon Ridge Parkway & Pioneer Blvd | Signalized | HCM 6th Edition | EB Right | 0.400 | 22.4 | С |
| 2 | Isaac Newton Dr & W Pioneer Blvd | Two-way stop | HCM 6th Edition | SB Left | 0.003 | 10.3 | В |
| 3 | Lower Flat Top Dr & W Pioneer Blvd | All-way stop | HCM 6th Edition | WB Left | 0.098 | 8.1 | Α |
| 4 | Lower Flat Top Dr & I-15 SB Ramps | Two-way stop | HCM 6th Edition | WB Thru | 0.003 | 10.4 | В |
| 5 | Lower Flat Top Dr & I-15 NB Ramps | Two-way stop | HCM 6th Edition | EB Left | 0.098 | 9.7 | Α |
| 6 | W Pioneer Access | Two-way stop | HCM 6th Edition | SB Left | 0.007 | 9.1 | Α |
| 8 | Isaac Newton Access | Two-way stop | HCM 6th Edition | EB Right | 0.008 | 9.2 | Α |

V/C, Delay, LOS: For two-way stop, these values are taken from the movement with the worst (highest) delay value. For all other control types, they are taken for the whole intersection.



Intersection Level Of Service Report Intersection 1: Falcon Ridge Parkway & Pioneer Blvd

Control Type:SignalizedDelay (sec / veh):22.4Analysis Method:HCM 6th EditionLevel Of Service:CAnalysis Period:15 minutesVolume to Capacity (v/c):0.400

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|--------|----------|--------|--------|----------|--------|--------|----------------|--------|-----------|--------|--------|
| Approach | N | orthbour | ıd | S | outhbour | nd | Е | astboun | d | Westbound | | |
| Lane Configuration | ٦, | <u> </u> | ۲ | 77 r | | | • | 1 | | חוור | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 2 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 |
| Entry Pocket Length [ft] | 350.00 | 100.00 | 525.00 | 300.00 | 100.00 | 200.00 | 180.00 | 100.00 | 100.00 | 300.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | | 35.00 | | | 35.00 | | | 35.00 | | | 35.00 | |
| Grade [%] | | 0.00 | | | 0.00 | | | 0.00 | | | 0.00 | |
| Curb Present | No | | No | | No | | | No | | | | |
| Crosswalk | | Yes | | Yes | | | Yes | | | | | |

| Name | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 2 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Right Turn on Red Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 75 | 453 | 153 | 150 | 225 | 21 | 20 | 67 | 116 | 247 | 41 | 143 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| <u>'</u> | | | | | | | | | | | | |
| Total 15-Minute Volume [veh/h] | 19 | 113 | 38 | 38 | 56 | 5 | 5 | 17 | 29 | 62 | 10 | 36 |
| Total Analysis Volume [veh/h] | 75 | 453 | 153 | 150 | 225 | 21 | 20 | 67 | 116 | 247 | 41 | 143 |
| Presence of On-Street Parking | No | | No |
| On-Street Parking Maneuver Rate [/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Local Bus Stopping Rate [/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| v_do, Outbound Pedestrian Volume crossing major stre | е | 0 | | | 0 | | | 0 | | | 0 | |
| v_di, Inbound Pedestrian Volume crossing major stree | [| 0 | | | 0 | | | 0 | | | 0 | |
| v_co, Outbound Pedestrian Volume crossing minor stre | е | 0 | | | 0 | | | 0 | | | 0 | |
| v_ci, Inbound Pedestrian Volume crossing minor stree | et [0 | | 0 | | 0 | | | 0 | | | | |
| v_ab, Corner Pedestrian Volume [ped/h] | | 0 | | | 0 | | | 0 | | | 0 | |
| Bicycle Volume [bicycles/h] | | 0 | | | 0 | | | 0 | | | 0 | |

Intersection Settings

| Located in CBD | Yes |
|---------------------------|---------------------------------------|
| Signal Coordination Group | - |
| Cycle Length [s] | 90 |
| Coordination Type | Free Running |
| Actuation Type | Fully actuated |
| Offset [s] | 0.0 |
| Offset Reference | Lead Green - Beginning of First Green |
| Permissive Mode | SingleBand |
| Lost time [s] | 5.00 |

Phasing & Timing

| Control Type | Protect | Permis | Permis | Protect | Permis | Permis | ProtPer | Permis | Permis | ProtPer | Permis | Permis |
|------------------------------|---------|--------|--------|---------|--------|--------|---------|--------|--------|---------|--------|--------|
| Signal Group | 1 | 6 | 0 | 5 | 2 | 0 | 7 | 4 | 0 | 3 | 8 | 0 |
| Auxiliary Signal Groups | | | | | | | | | | | | |
| Lead / Lag | Lead | - | - |
| Minimum Green [s] | 6 | 7 | 0 | 8 | 8 | 0 | 8 | 4 | 0 | 8 | 8 | 0 |
| Maximum Green [s] | 30 | 30 | 0 | 30 | 30 | 0 | 30 | 30 | 0 | 30 | 30 | 0 |
| Amber [s] | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 | 3.0 | 4.0 | 0.0 |
| All red [s] | 3.7 | 2.0 | 0.0 | 3.8 | 1.8 | 0.0 | 3.7 | 2.1 | 0.0 | 3.7 | 2.2 | 0.0 |
| Split [s] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vehicle Extension [s] | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 | 4.0 | 4.0 | 0.0 |
| Walk [s] | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 7 | 0 |
| Pedestrian Clearance [s] | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 27 | 0 | 0 | 27 | 0 |
| Delayed Vehicle Green [s] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rest In Walk | | No | | | No | | | No | | | No | |
| I1, Start-Up Lost Time [s] | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 | 2.0 | 2.0 | 0.0 |
| I2, Clearance Lost Time [s] | 4.7 | 4.0 | 0.0 | 4.8 | 3.8 | 0.0 | 4.7 | 4.1 | 0.0 | 4.7 | 4.2 | 0.0 |
| Minimum Recall | No | Yes | | No | Yes | | No | No | | No | No | |
| Maximum Recall | No | No | |
| Pedestrian Recall | No | No | |
| Detector Location [ft] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Detector Length [ft] | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| I, Upstream Filtering Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Exclusive Pedestrian Phase

| Pedestrian Signal Group | 0 |
|--------------------------|---|
| Pedestrian Walk [s] | 0 |
| Pedestrian Clearance [s] | 0 |

Lane Group Calculations

| Lane Group | L | С | R | L | С | R | L | С | С | L | С | R |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| C, Cycle Length [s] | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 |
| L, Total Lost Time per Cycle [s] | 6.70 | 6.00 | 6.00 | 6.80 | 5.80 | 5.80 | 6.10 | 6.10 | 6.10 | 6.20 | 6.20 | 6.20 |
| I1_p, Permitted Start-Up Lost Time [s] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| I2, Clearance Lost Time [s] | 4.70 | 4.00 | 4.00 | 4.80 | 3.80 | 3.80 | 0.00 | 4.10 | 4.10 | 0.00 | 4.20 | 4.20 |
| g_i, Effective Green Time [s] | 4 | 11 | 11 | 7 | 14 | 14 | 21 | 7 | 7 | 23 | 14 | 14 |
| g / C, Green / Cycle | 0.07 | 0.18 | 0.18 | 0.12 | 0.23 | 0.23 | 0.35 | 0.12 | 0.12 | 0.39 | 0.24 | 0.24 |
| (v / s)_i Volume / Saturation Flow Rate | 0.02 | 0.10 | 0.11 | 0.05 | 0.05 | 0.01 | 0.02 | 0.04 | 0.08 | 0.18 | 0.01 | 0.10 |
| s, saturation flow rate [veh/h] | 3113 | 4584 | 1431 | 3113 | 4584 | 1431 | 1250 | 1683 | 1431 | 1400 | 3204 | 1431 |
| c, Capacity [veh/h] | 223 | 822 | 256 | 379 | 1073 | 335 | 608 | 201 | 171 | 631 | 765 | 342 |
| d1, Uniform Delay [s] | 26.90 | 22.78 | 22.98 | 24.70 | 18.80 | 18.14 | 11.52 | 24.59 | 25.70 | 13.75 | 17.88 | 19.61 |
| k, delay calibration | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| I, Upstream Filtering Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| d2, Incremental Delay [s] | 1.25 | 0.83 | 3.15 | 0.96 | 0.14 | 0.11 | 0.03 | 1.37 | 6.53 | 0.56 | 0.04 | 1.16 |
| d3, Initial Queue Delay [s] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rp, platoon ratio | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| PF, progression factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

Lane Group Results

| X, volume / capacity | 0.34 | 0.55 | 0.60 | 0.40 | 0.21 | 0.06 | 0.03 | 0.33 | 0.68 | 0.39 | 0.05 | 0.42 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| d, Delay for Lane Group [s/veh] | 28.15 | 23.60 | 26.13 | 25.65 | 18.93 | 18.25 | 11.55 | 25.96 | 32.23 | 14.31 | 17.92 | 20.78 |
| Lane Group LOS | С | С | С | С | В | В | В | С | С | В | В | С |
| Critical Lane Group | No | No | Yes | Yes | No | No | No | No | Yes | Yes | No | No |
| 50th-Percentile Queue Length [veh/ln] | 0.52 | 1.86 | 2.06 | 0.97 | 0.79 | 0.22 | 0.15 | 0.90 | 1.79 | 2.21 | 0.21 | 1.66 |
| 50th-Percentile Queue Length [ft/ln] | 13.03 | 46.57 | 51.62 | 24.32 | 19.69 | 5.49 | 3.78 | 22.41 | 44.84 | 55.29 | 5.17 | 41.46 |
| 95th-Percentile Queue Length [veh/ln] | 0.94 | 3.35 | 3.72 | 1.75 | 1.42 | 0.40 | 0.27 | 1.61 | 3.23 | 3.98 | 0.37 | 2.98 |
| 95th-Percentile Queue Length [ft/ln] | 23.45 | 83.83 | 92.91 | 43.78 | 35.44 | 9.88 | 6.81 | 40.34 | 80.72 | 99.53 | 9.30 | 74.62 |

Movement, Approach, & Intersection Results

| d_M, Delay for Movement [s/veh] | 28.15 | 23.60 | 26.13 | 25.65 | 18.93 | 18.25 | 11.55 | 25.96 | 32.23 | 14.31 | 17.92 | 20.78 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Movement LOS | С | С | С | С | В | В | В | С | С | В | В | С |
| d_A, Approach Delay [s/veh] | | 24.67 | | 21.44 | | | | 28.12 | | | | |
| Approach LOS | | С | | | С | | | С | | | В | |
| d_I, Intersection Delay [s/veh] | | | | | | 22 | .35 | | | | | |
| Intersection LOS | | | | | | (|) | | | | | |
| Intersection V/C | 0.400 | | | | | | | | | | | |

Other Modes

| g_Walk,mi, Effective Walk Time [s] | 11.0 | 11.0 | 11.0 | 11.0 |
|---|---------|-------|-------|-------|
| M_corner, Corner Circulation Area [ft²/ped] | 0.00 | 0.00 | 0.00 | 0.00 |
| M_CW, Crosswalk Circulation Area [ft²/ped] | 0.00 | 0.00 | 0.00 | 0.00 |
| d_p, Pedestrian Delay [s] | 20.36 | 20.36 | 20.36 | 20.36 |
| I_p,int, Pedestrian LOS Score for Intersection | 3.041 | 2.962 | 2.495 | 2.583 |
| Crosswalk LOS | С | С | В | В |
| s_b, Saturation Flow Rate of the bicycle lane [bicycles/l | 1] 2000 | 2000 | 2000 | 2000 |
| c_b, Capacity of the bicycle lane [bicycles/h] | 988 | 988 | 988 | 988 |
| d_b, Bicycle Delay [s] | 7.78 | 7.78 | 7.78 | 7.78 |
| I_b,int, Bicycle LOS Score for Intersection | 1.934 | 1.777 | 1.727 | 1.915 |
| Bicycle LOS | A | A | A | A |

Sequence

| - | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ring 1 | 1 | 2 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| Ring 2 | 5 | 6 | 7 | 8 | - | - | - | - | • | - | - | - | - | - | - | - |
| Ring 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ring 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |





Intersection Level Of Service Report Intersection 2: Isaac Newton Dr & W Pioneer Blvd

Control Type:Two-way stopDelay (sec / veh):10.3Analysis Method:HCM 6th EditionLevel Of Service:BAnalysis Period:15 minutesVolume to Capacity (v/c):0.003

Intersection Setup

| Name | | | | | | | |
|------------------------------|-------------|--------|--------|-------------|--------|--------|--|
| Approach | South | bound | Eastl | oound | Westl | oound | |
| Lane Configuration | - | r | ٦ | 11 | IF. | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right | |
| Lane Width [ft] | 12.00 12.00 | | 12.00 | 12.00 12.00 | | 12.00 | |
| No. of Lanes in Entry Pocket | 0 0 | | 1 | 0 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 300.00 | 100.00 | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 25 | 5.00 | 35 | .00 | 35.00 | | |
| Grade [%] | 0 | .00 | 0. | 00 | 0.0 | 00 | |
| Crosswalk | 1 | No. | N | lo | No | | |

| Name | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 100.00 | 100.00 | 100.00 | 25.00 | 20.00 | 20.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 2 | 5 | 3 | 6 | 4 | 1 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 2 | 5 | 3 | 37 | 57 | 1 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 1 | 1 | 1 | 9 | 14 | 0 |
| Total Analysis Volume [veh/h] | 2 | 5 | 3 | 37 | 57 | 1 |
| Pedestrian Volume [ped/h] | (|) | (|) | C |) |

Intersection Settings

| Priority Scheme | Stop | Free | Free |
|------------------------------------|------|------|------|
| Flared Lane | No | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | No | | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | | | | |
|---------------------------------------|-------|------|------|------|------|------|--|--|--|--|
| d_M, Delay for Movement [s/veh] | 10.29 | 9.58 | 8.45 | 0.00 | 0.00 | 0.00 | | | | |
| Movement LOS | В | Α | Α | Α | Α | Α | | | | |
| 95th-Percentile Queue Length [veh/ln] | 0.03 | 0.03 | 0.01 | 0.00 | 0.00 | 0.00 | | | | |
| 95th-Percentile Queue Length [ft/ln] | 0.70 | 0.70 | 0.22 | 0.00 | 0.00 | 0.00 | | | | |
| d_A, Approach Delay [s/veh] | 9.7 | 78 | 0. | 63 | 0.0 | 00 | | | | |
| Approach LOS | Į. | 4 | , | 4 | Į. | 4 | | | | |
| d_I, Intersection Delay [s/veh] | 0.89 | | | | | | | | | |
| Intersection LOS | В | | | | | | | | | |



Intersection Level Of Service Report Intersection 3: Lower Flat Top Dr & W Pioneer Blvd

Control Type:All-way stopDelay (sec / veh):8.1Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.098

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|-----------------|----------|--------|--------|----------------------|-------|--------|---------|--------|-----------|--------|--------|
| Approach | N | orthbour | ıd | S | outhbour | nd | Е | astboun | d | Westbound | | |
| Lane Configuration | | 46 | | | ٦lr | | | + | | ٦Þ | | |
| Turning Movement | Left Thru Right | | | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 0 0 | | | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 250.00 | 250.00 100.00 100.00 | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | 35.00 | | | | 35.00 | | | 30.00 | | | 30.00 | |
| Grade [%] | 0.00 | | | 0.00 | | | | 0.00 | | 0.00 | | |
| Crosswalk | No | | | No | | | | No | | No | | |

| Name | | | | | | | | | | | | |
|---|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 3 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 1 | 13 | 36 | 4 | 7 | 1 | 0 | 2 | 1 | 64 | 2 | 8 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 3 | 9 | 1 | 2 | 0 | 0 | 1 | 0 | 16 | 1 | 2 |
| Total Analysis Volume [veh/h] | 1 13 36 | | 36 | 4 | 7 | 1 | 0 | 2 | 1 | 64 | 2 | 8 |
| Pedestrian Volume [ped/h] | 0 | | | 0 | | | | 0 | | 0 | | |

Intersection Settings

| Capacity per Entry Lane [veh/h] | 699 | 816 | 634 | 696 | 805 | 725 | 653 | 809 |
|---------------------------------|------|------|------|------|------|------|------|------|
| Degree of Utilization, x | 0.02 | 0.04 | 0.01 | 0.01 | 0.00 | 0.00 | 0.10 | 0.01 |

| 95th-Percentile Queue Length [veh] | 0.06 | 0.14 | 0.02 | 0.03 | 0.00 | 0.01 | 0.32 | 0.04 |
|------------------------------------|------|------|------|------|------|------|------|------|
| 95th-Percentile Queue Length [ft] | 1.53 | 3.46 | 0.48 | 0.76 | 0.09 | 0.31 | 8.10 | 0.94 |
| Approach Delay [s/veh] | 7. | 50 | | 8.03 | | 7.99 | 8.8 | 59 |
| Approach LOS | P | 4 | A | | | А | P | 4 |
| Intersection Delay [s/veh] | | | | | 8. | 13 | | |
| Intersection LOS | A | | | | | | | |



Intersection Level Of Service Report Intersection 4: Lower Flat Top Dr & I-15 SB Ramps

Control Type:Two-way stopDelay (sec / veh):10.4Analysis Method:HCM 6th EditionLevel Of Service:BAnalysis Period:15 minutesVolume to Capacity (v/c):0.003

Intersection Setup

| Name | | | | | | | | | | | | |
|------------------------------|--------|------------|--------|--------|------------|--------|-----------|--------|--------|--------|-----------|--------|
| Approach | N | Northbound | | S | Southbound | | Eastbound | | | ٧ | Westbound | |
| Lane Configuration | 4 | | İr | | | | | ٦r | | | | |
| Turning Movement | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 250.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | | 30.00 | | | 30.00 | | | 30.00 | | | 30.00 | |
| Grade [%] | | 0.00 | | | 0.00 | | 0.00 | | | 0.00 | | |
| Crosswalk | | No | | | No | | No | | | No | | |

| Name | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 1 | 66 | 0 | 0 | 78 | 66 | 0 | 0 | 0 | 2 | 2 | 69 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 20.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 20.00 |
| Growth Factor | 1.1800 | 1.1800 | 1.0000 | 1.0000 | 1.1800 | 1.1800 | 1.0000 | 1.0000 | 1.0000 | 1.1800 | 1.1800 | 1.1800 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 0 | 4 | 0 | 0 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 6 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 1 | 82 | 0 | 0 | 103 | 85 | 0 | 0 | 0 | 2 | 2 | 87 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 0 | 21 | 0 | 0 | 26 | 21 | 0 | 0 | 0 | 1 | 1 | 22 |
| Total Analysis Volume [veh/h] | 1 | 82 | 0 | 0 | 103 | 85 | 0 | 0 | 0 | 2 | 2 | 87 |
| Pedestrian Volume [ped/h] | | 0 | | | 0 | | | 0 | | | 0 | |

Intersection Settings

| Priority Scheme | Free | Free | Stop | Stop |
|------------------------------------|------|------|------|------|
| Flared Lane | | | | |
| Storage Area [veh] | 0 | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | | | No |
| Number of Storage Spaces in Median | 0 | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
|---------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| d_M, Delay for Movement [s/veh] | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.26 | 10.36 | 9.27 |
| Movement LOS | Α | Α | | | Α | Α | | | | В | В | Α |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.02 | 0.31 |
| 95th-Percentile Queue Length [ft/ln] | 0.05 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.44 | 7.72 |
| d_A, Approach Delay [s/veh] | | 0.09 | | | 0.00 | | | 0.00 | | | 9.32 | |
| Approach LOS | | Α | | | Α | | | Α | | | Α | |
| d_I, Intersection Delay [s/veh] | 2.36 | | | | | | | | | | | |
| Intersection LOS | | | | | | E | 3 | | | | | |



Intersection Level Of Service Report Intersection 5: Lower Flat Top Dr & I-15 NB Ramps

Control Type:Two-way stopDelay (sec / veh):9.7Analysis Method:HCM 6th EditionLevel Of Service:AAnalysis Period:15 minutesVolume to Capacity (v/c):0.098

Intersection Setup

| Name | | | | | | |
|------------------------------|------------|--------|--------|--------|--------|--------|
| Approach | Southbound | | Eastl | oound | West | oound |
| Lane Configuration | ٦ | | + | 1 | | |
| Turning Movement | Left | Right | Left | Thru | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 0 | | 0 | 0 | 0 | 0 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Speed [mph] | 35.00 | | 45 | .00 | 30. | .00 |
| Grade [%] | 0.00 | | 0. | 00 | 0.00 | |
| Crosswalk | No | | N | lo | No | |

| Name | | | | | | |
|---|--------|--------|--------|--------|--------|--------|
| Base Volume Input [veh/h] | 80 | 0 | 67 | 0 | 0 | 0 |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Heavy Vehicles Percentage [%] | 20.00 | 2.00 | 20.00 | 20.00 | 2.00 | 2.00 |
| Growth Factor | 1.1800 | 1.0000 | 1.1800 | 1.1800 | 1.0000 | 1.0000 |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Site-Generated Trips [veh/h] | 11 | 0 | 4 | 0 | 0 | 0 |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Hourly Volume [veh/h] | 105 | 0 | 83 | 0 | 0 | 0 |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| Total 15-Minute Volume [veh/h] | 26 | 0 | 21 | 0 | 0 | 0 |
| Total Analysis Volume [veh/h] | 105 | 0 | 83 | 0 | 0 | 0 |
| Pedestrian Volume [ped/h] | (|) | | 0 | (|) |

Intersection Settings

| Priority Scheme | Free | Stop | Free |
|------------------------------------|------|------|------|
| Flared Lane | | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | No | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 |
|---------------------------------------|------|------|------|-------|------|------|
| d_M, Delay for Movement [s/veh] | 0.00 | 0.00 | 9.69 | 10.24 | 0.00 | 0.00 |
| Movement LOS | Α | | Α | В | | |
| 95th-Percentile Queue Length [veh/ln] | 0.00 | 0.00 | 0.32 | 0.32 | 0.00 | 0.00 |
| 95th-Percentile Queue Length [ft/ln] | 0.00 | 0.00 | 8.08 | 8.08 | 0.00 | 0.00 |
| d_A, Approach Delay [s/veh] | 0. | 00 | 9 | .69 | 0.0 | 00 |
| Approach LOS | | A | | A | F | \ |
| d_I, Intersection Delay [s/veh] | 4.28 | | | | | |
| Intersection LOS | A | | | | | |



Intersection Level Of Service Report Intersection 6: W Pioneer Access

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes

Delay (sec / veh): 9.1
Level Of Service: A
Volume to Capacity (v/c): 0.007

Intersection Setup

| Name | | | | | | |
|------------------------------|--------|------------|--------|-----------|--------|--------|
| Approach | South | Southbound | | Eastbound | | bound |
| Lane Configuration | - | т | | ılı | | ۲ |
| Turning Movement | Left | Right | Left | Thru | Thru | Right |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 |
| No. of Lanes in Entry Pocket | 0 | 0 | 1 | 0 | 0 | 1 |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 180.00 | 100.00 | 100.00 | 200.00 |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 2 | 0 | 0 |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 174.61 | 0.00 | 0.00 |
| Speed [mph] | 15 | 5.00 | 35.00 | | 35 | .00 |
| Grade [%] | 0 | 0.00 | | 0.00 | | 00 |
| Crosswalk | ı | No | ı | No | No | |

| Name | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 26 | 45 | 0 | |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Heavy Vehicles Percentage [%] | 2.00 | 2.00 | 2.00 | 20.00 | 20.00 | 2.00 | |
| Growth Factor | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | 1.1800 | |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site-Generated Trips [veh/h] | 6 | 16 | 9 | 3 | 5 | 4 | |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Hourly Volume [veh/h] | 6 | 16 | 9 | 34 | 58 | 4 | |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Total 15-Minute Volume [veh/h] | 2 | 4 | 2 | 9 | 15 | 1 | |
| Total Analysis Volume [veh/h] | 6 | 16 | 9 | 34 | 58 | 4 | |
| Pedestrian Volume [ped/h] | 0 | | (|) | 0 | | |

Intersection Settings

| Priority Scheme | Stop | Free | Free |
|------------------------------------|------|------|------|
| Flared Lane | No | | |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | No | | |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.01 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 |
|---------------------------------------|------|------|------|------|------|------|
| d_M, Delay for Movement [s/veh] | 9.12 | 8.55 | 7.35 | 0.00 | 0.00 | 0.00 |
| Movement LOS | Α | Α | Α | А | Α | Α |
| 95th-Percentile Queue Length [veh/ln] | 0.07 | 0.07 | 0.02 | 0.00 | 0.00 | 0.00 |
| 95th-Percentile Queue Length [ft/ln] | 1.70 | 1.70 | 0.44 | 0.00 | 0.00 | 0.00 |
| d_A, Approach Delay [s/veh] | 8. | 70 | 1. | 54 | 0.0 | 00 |
| Approach LOS | A | 4 | , | 4 | A | 4 |
| d_I, Intersection Delay [s/veh] | | | 2. | 03 | | |
| Intersection LOS | | | ı | 4 | | |



Intersection Level Of Service Report Intersection 8: Isaac Newton Access

Control Type: Two-way stop
Analysis Method: HCM 6th Edition
Analysis Period: 15 minutes

Delay (sec / veh): 9.2
Level Of Service: A
Volume to Capacity (v/c): 0.008

Intersection Setup

| Name | | | | | | | |
|------------------------------|--------|------------|--------|----------|--------|--------|--|
| Approach | North | Northbound | | nbound | Eastl | oound | |
| Lane Configuration | • | 4 | | → | Τ' | | |
| Turning Movement | Left | Thru | Thru | Right | Left | Right | |
| Lane Width [ft] | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | 12.00 | |
| No. of Lanes in Entry Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Entry Pocket Length [ft] | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | |
| No. of Lanes in Exit Pocket | 0 | 0 | 0 | 0 | 0 | 0 | |
| Exit Pocket Length [ft] | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Speed [mph] | 25 | 25.00 | | 25.00 | | .00 | |
| Grade [%] | 0 | 0.00 | | 0.00 | | 00 | |
| Crosswalk | 1 | No | | No | No | | |

| Name | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--|
| Base Volume Input [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Base Volume Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Heavy Vehicles Percentage [%] | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | |
| Growth Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| In-Process Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Site-Generated Trips [veh/h] | 4 | 0 | 0 | 0 | 0 | 7 | |
| Diverted Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Pass-by Trips [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Existing Site Adjustment Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other Volume [veh/h] | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total Hourly Volume [veh/h] | 4 | 0 | 0 | 0 | 0 | 7 | |
| Peak Hour Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Other Adjustment Factor | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| Total 15-Minute Volume [veh/h] | 1 | 0 | 0 | 0 | 0 | 2 | |
| Total Analysis Volume [veh/h] | 4 | 0 | 0 | 0 | 0 | 7 | |
| Pedestrian Volume [ped/h] | 0 | | (|) | 0 | | |

Intersection Settings

| Priority Scheme | Free | Free | Stop |
|------------------------------------|------|------|------|
| Flared Lane | | | No |
| Storage Area [veh] | 0 | 0 | 0 |
| Two-Stage Gap Acceptance | | | No |
| Number of Storage Spaces in Median | 0 | 0 | 0 |

| V/C, Movement V/C Ratio | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
|---------------------------------------|------|------|------|------|------|------|
| d_M, Delay for Movement [s/veh] | 8.11 | 0.00 | 0.00 | 0.00 | 8.58 | 9.23 |
| Movement LOS | Α | А | А | А | А | Α |
| 95th-Percentile Queue Length [veh/ln] | 0.01 | 0.01 | 0.00 | 0.00 | 0.02 | 0.02 |
| 95th-Percentile Queue Length [ft/ln] | 0.26 | 0.26 | 0.00 | 0.00 | 0.62 | 0.62 |
| d_A, Approach Delay [s/veh] | 8. | 11 | 0. | 00 | 9. | 23 |
| Approach LOS | , | 4 | - | A | , | 4 |
| d_I, Intersection Delay [s/veh] | | | 8. | 83 | | |
| Intersection LOS | | | , | 4 | | |

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Turning Movement Volume: Summary

| ID | Intersection Name | N | Northbound | | Sc | Southbound | | Eastbound | | Westbound | | | Total | |
|----|--|------|------------|-------|------|------------|-------|-----------|------|-----------|------|------|-------|--------|
| טו | intersection Name | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| 1 | Falcon Ridge Parkway & Pioneer Blvd | 75 | 453 | 153 | 150 | 225 | 21 | 20 | 67 | 116 | 247 | 41 | 143 | 1711 |

| ID | Intersection Name | South | bound | Eastbound | | West | oound | Total |
|----|-------------------------------------|-------|-------|-----------|------|------|-------|--------|
| טו | intersection Name | Left | Right | Left | Thru | Thru | Right | Volume |
| 2 | Isaac Newton Dr & W Pioneer Blvd | 2 | 5 | 3 | 37 | 57 | 1 | 105 |

| ID | ID Intersection Name | N | orthbou | nd | Southbound | | Е | Eastbound | | Westbound | | Total | | |
|----|---------------------------------------|------|---------|-------|------------|------|-------|-----------|------|-----------|------|-------|-------|--------|
| טו | intersection name | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| 3 | Lower Flat Top Dr & W Pioneer Blvd | 1 | 13 | 36 | 4 | 7 | 1 | 0 | 2 | 1 | 64 | 2 | 8 | 139 |

| ID | Intersection Name | North | bound | Southbound Westbound | | | nd | Total | |
|----|--------------------------------------|-------|-------|----------------------|-------|------|------|-------|--------|
| טו | intersection Name | Left | Thru | Thru | Right | Left | Thru | Right | Volume |
| 4 | Lower Flat Top Dr & I-15 SB Ramps | 1 | 82 | 103 | 85 | 2 | 2 | 87 | 362 |

| ĺ | 5 | Intersection Name | Southbound | Eastb | Total | |
|---|----|--------------------------------------|------------|-------|-------|--------|
| | ID | intersection name | Left | Left | Thru | Volume |
| | 5 | Lower Flat Top Dr & I-15 NB Ramps | 105 | 83 | 0 | 188 |

| | ID | Intersection Name | Southbound | | Eastbound | | Westbound | | Total |
|--|----|-------------------|------------|-------|-----------|------|-----------|-------|--------|
| | | | Left | Right | Left | Thru | Thru | Right | Volume |
| | 6 | W Pioneer Access | 6 | 16 | 9 | 34 | 58 | 4 | 127 |



| ID Intersection Name | | North | bound | South | bound | Easth | Total | |
|----------------------|---------------------|-------|-------|-------|-------|-------|-------|--------|
| טו | intersection name | Left | Thru | Thru | Right | Left | Right | Volume |
| 8 | Isaac Newton Access | 4 | 0 | 0 | 0 | 0 | 7 | 11 |

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Turning Movement Volume: Detail

| ID. | ID Intersection Volume Type | | Northbound | | Southbound | | Eastbound | | Westbound | | | Total | | | |
|--------------|-----------------------------|------------------|------------|------|------------|------|-----------|-------|-----------|------|-------|-------|------|-------|--------|
| טו | Name | Name Volume Type | | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| | Final Base | 62 | 384 | 130 | 127 | 191 | 17 | 16 | 54 | 95 | 209 | 33 | 121 | 1439 | |
| | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - | |
| 1 | Falcon Ridge Parkway & | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pioneer Blvd | Net New Trips | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 4 | 0 | 2 | 0 | 13 | |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 75 | 453 | 153 | 150 | 225 | 21 | 20 | 67 | 116 | 247 | 41 | 143 | 1711 |

| ID | Intersection | Valuma Tuna | South | bound | Eastb | oound | Westl | Total | | |
|----|-------------------------------|---------------|------------|-------|-------|-------|-------|-------|--------|----|
| טו | Name | Volume Type | Left | Right | Left | Thru | Thru | Right | Volume | |
| | Isaac Newton 2 Dr & W Pioneer | | Final Base | 0 | 0 | 0 | 26 | 45 | 0 | 71 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - | |
| 2 | | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Blvd | Net New Trips | 2 | 5 | 3 | 6 | 4 | 1 | 21 | |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | Future Total | 2 | 5 | 3 | 37 | 57 | 1 | 105 | |

| ID Intersection Volu | | Values Tues | Northbound | | So | Southbound | | Eastbound | | | Westbound | | | Total | |
|----------------------|----------------------------------|---------------|------------|------|-------|------------|------|-----------|------|------|-----------|------|------|-------|--------|
| טו | Name Volume Ty | Volume Type | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Volume |
| | Final Base | 1 | 11 | 22 | 2 | 6 | 1 | 0 | 2 | 1 | 39 | 2 | 4 | 91 | |
| | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - | |
| 3 | Lower Flat Top Dr & W Pioneer | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Blvd | Net New Trips | 0 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 3 | 33 |
| | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | Future Total | 1 | 13 | 36 | 4 | 7 | 1 | 0 | 2 | 1 | 64 | 2 | 8 | 139 | |

| ID | Intersection | Valuma Tyna | Northl | bound | Southbound | | W | Total | | |
|------|--------------------------------|---------------|--------|-------|------------|-------|------|-------|-------|--------|
| l ib | Name | Volume Type | Left | Thru | Thru | Right | Left | Thru | Right | Volume |
| | | Final Base | 1 | 66 | 78 | 66 | 2 | 2 | 69 | 284 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 4 | Lower Flat Top Dr & I-15 SB | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Ramps | Net New Trips | 0 | 4 | 11 | 7 | 0 | 0 | 6 | 28 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 1 | 82 | 103 | 85 | 2 | 2 | 87 | 362 |

| ID | Intersection | Valuma Tuma | Southbound | Eastb | ound | Total |
|----|--------------------------------|---------------|------------|-------|------|--------|
| ID | Name | Volume Type | Left | Left | Thru | Volume |
| | | Final Base | 80 | 67 | 0 | 147 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | - |
| 5 | Lower Flat Top Dr & I-15 NB | In Process | 0 | 0 | 0 | 0 |
| 5 | Ramps | Net New Trips | 11 | 4 | 0 | 15 |
| | | Other | 0 | 0 | 0 | 0 |
| | | Future Total | 105 | 83 | 0 | 188 |

| ID | Intersection | Valuma Tuna | South | bound | East | oound | West | Total | |
|-----|--------------|---------------|-------|-------|------|-------|------|-------|--------|
| III | Name | Volume Type | Left | Right | Left | Thru | Thru | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 26 | 45 | 0 | 71 |
| | | Growth Factor | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | - |
| 6 | W Pioneer | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Access | Net New Trips | 6 | 16 | 9 | 3 | 5 | 4 | 43 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 6 | 16 | 9 | 34 | 58 | 4 | 127 |

| ID | Intersection | Valuma Typa | North | bound | South | bound | Eastb | Total | |
|----|--------------|---------------|-------|-------|-------|-------|-------|-------|--------|
| טו | Name | Volume Type | Left | Thru | Thru | Right | Left | Right | Volume |
| | | Final Base | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Growth Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - |
| 8 | Isaac Newton | In Process | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | Access | Net New Trips | 4 | 0 | 0 | 0 | 0 | 7 | 11 |
| | | Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Future Total | 4 | 0 | 0 | 0 | 0 | 7 | 11 |

Vistro File: \...\Corwn Holdings Vistro.vistro Report File: \...\2028 BG + P Peak Hour.pdf

Scenario 3 2028 Background plus Project

1/20/2022

Trip Generation summary

Added Trips

| Zone ID: Name | Land Use variables | Code | Ind. Var. | Rate | Quantity | % In | % Out | Trips In | Trips Out | Total Trips | % of Total Trips |
|---------------|--------------------|------|--------------|-------|----------|--------------|-------|----------|-----------|----------------|---------------------|
| 1: Zone | | 140 | | 1.000 | 0.000 | 50.00 | 50.00 | 16 | 29 | 45 | 100.00 |
| | | | | | Added | d Trips Tota | al | 16 | 29 | 45 | 100.00 |

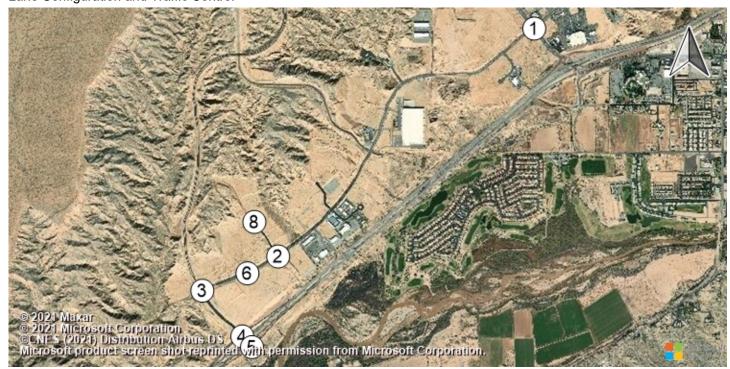
Vistro File: \...\Corwn Holdings Vistro.vistro Report File: \...\2028 BG + P Peak Hour.pdf

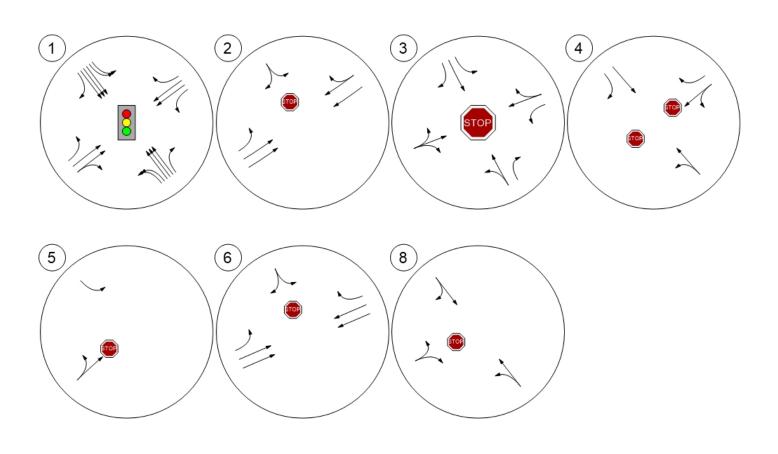
Scenario 3 2028 Background plus Project 1/20/2022

Trip Distribution summary

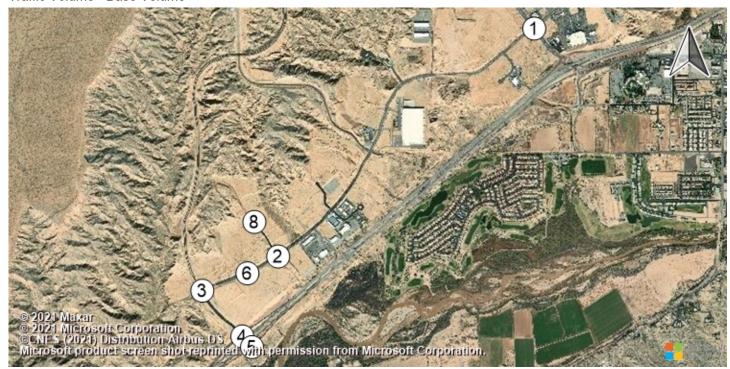
| | | Zone 1: Zone | | | | | | | |
|-------------|---------|--------------|---------|-------|--|--|--|--|--|
| | To Z | one: | From | Zone: | | | | | |
| Zone / Gate | Share % | Trips | Share % | Trips | | | | | |
| 2: Gate | 10.00 | 2 | 10.00 | 3 | | | | | |
| 3: Gate | 5.00 | 1 | 5.00 | 1 | | | | | |
| 4: Gate | 10.00 | 2 | 10.00 | 3 | | | | | |
| 5: Gate | 15.00 | 2 | 15.00 | 4 | | | | | |
| 6: Gate | 35.00 | 6 | 35.00 | 11 | | | | | |
| 7: Gate | 25.00 | 4 | 25.00 | 7 | | | | | |
| Total | 100.00 | 17 | 100.00 | 29 | | | | | |

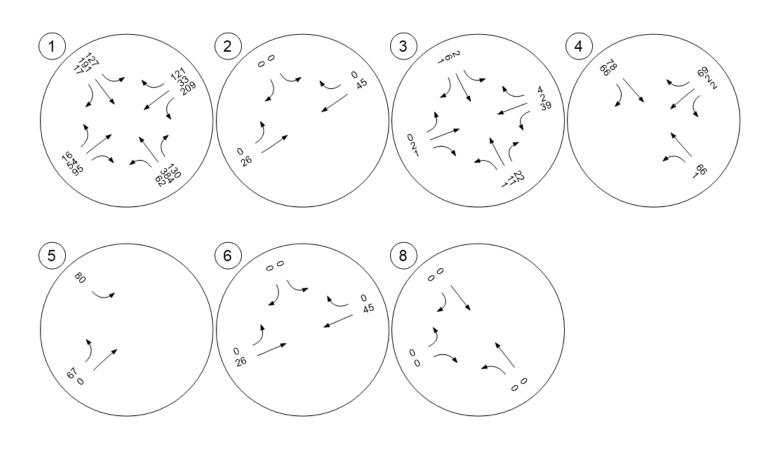
Lane Configuration and Traffic Control



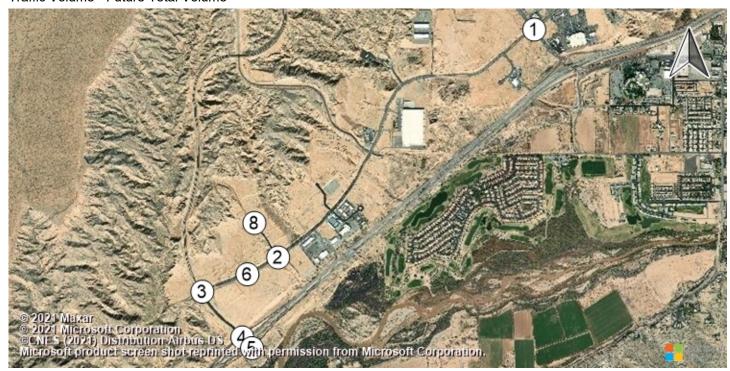


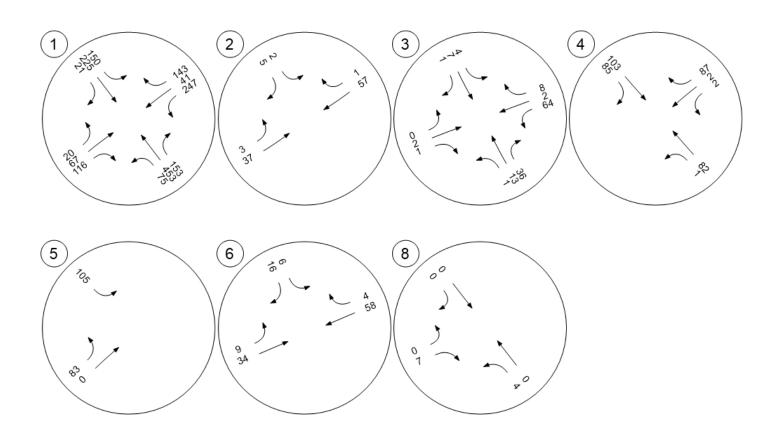
Traffic Volume - Base Volume



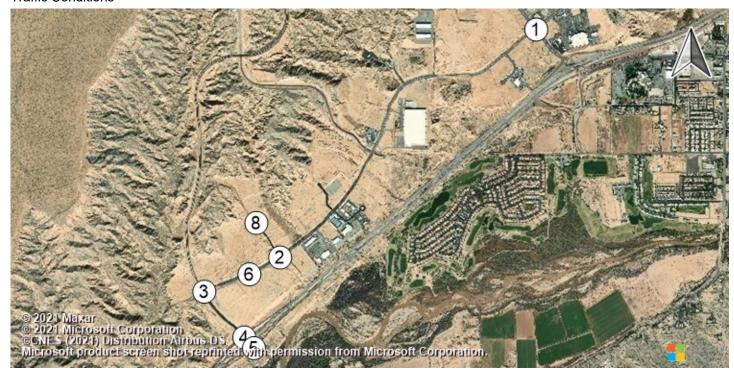


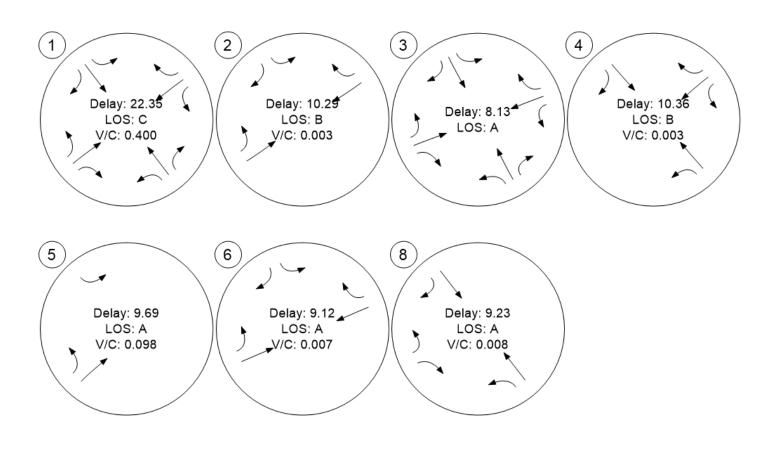
Traffic Volume - Future Total Volume





Traffic Conditions





Appendix D: Land Use Descriptions

Land Use: 140 Manufacturing

Description

A manufacturing facility is an area where the primary activity is the conversion of raw materials or parts into finished products. Size and type of activity may vary substantially from one facility to another. In addition to the actual production of goods, a manufacturing facility typically has an office and may provide space for warehouse, research, and associated functions. General light industrial (Land Use 110) and industrial park (Land Use 130) are related uses.

Additional Data

The technical appendices provide supporting information on time-of-day distributions for this land use. The appendices can be accessed through either the ITETripGen web app or the trip generation resource page on the ITE website (https://www.ite.org/technical-resources/topics/trip-and-parking-generation/).

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), California, Minnesota, Missouri, New Jersey, New York, Oregon, Pennsylvania, South Dakota, Texas, Vermont, Washington, and West Virginia.

Source Numbers

177, 179, 184, 241, 357, 384, 418, 443, 583, 598, 611, 728, 747, 875, 879, 940, 969, 1067, 1068, 1082



Vehicle Trip Ends vs: 1000 Sq. Ft. GFA On a: Weekday

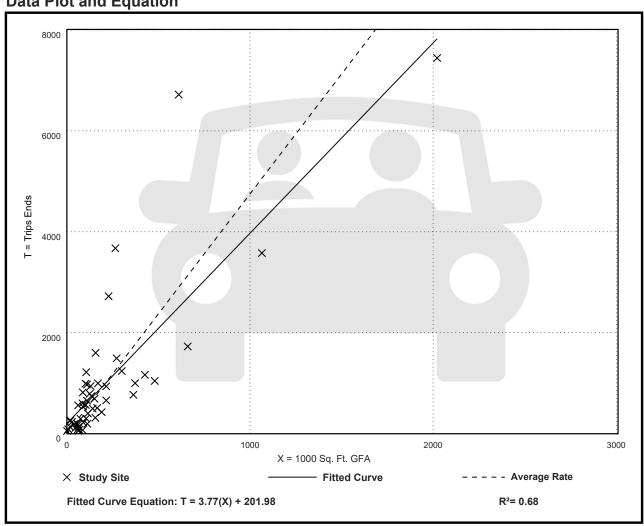
Setting/Location: General Urban/Suburban

Number of Studies: 53 Avg. 1000 Sq. Ft. GFA: 208

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 4.75 | 0.83 - 49.50 | 3.20 |





Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

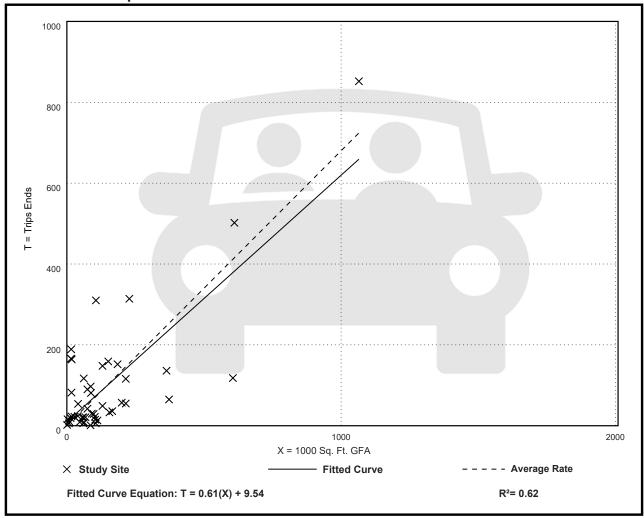
Setting/Location: General Urban/Suburban

Number of Studies: 48 Avg. 1000 Sq. Ft. GFA: 138

Directional Distribution: 76% entering, 24% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.68 | 0.01 - 11.93 | 1.03 |





Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

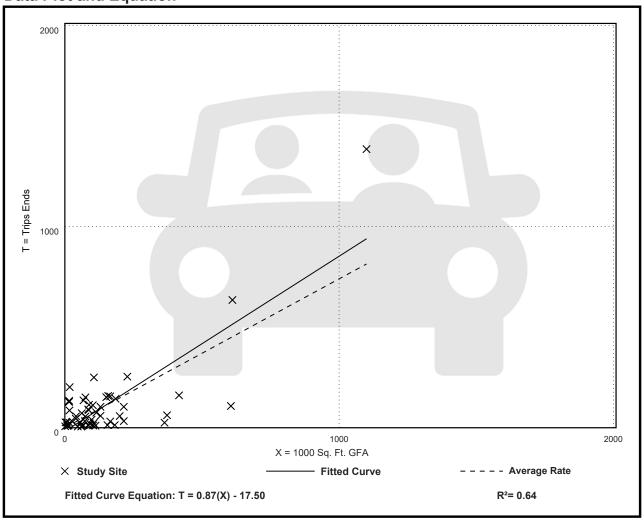
Setting/Location: General Urban/Suburban

Number of Studies: 55 Avg. 1000 Sq. Ft. GFA: 142

Directional Distribution: 31% entering, 69% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.74 | 0.07 - 11.37 | 0.93 |





Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

AM Peak Hour of Generator

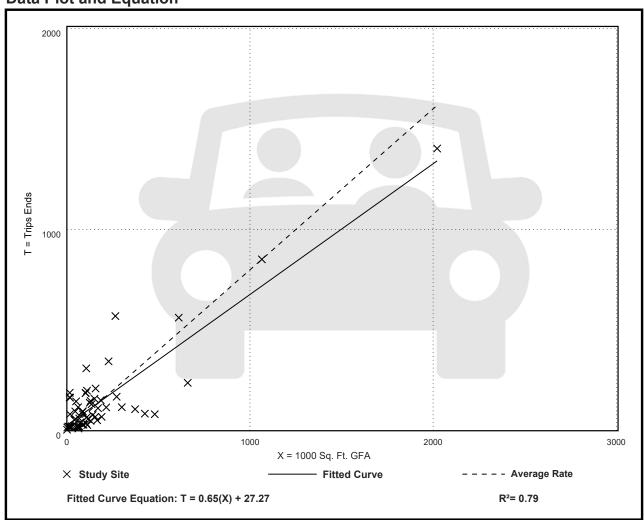
Setting/Location: General Urban/Suburban

Number of Studies: 62 Avg. 1000 Sq. Ft. GFA: 178

Directional Distribution: 73% entering, 27% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.80 | 0.17 - 11.93 | 0.87 |



Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

PM Peak Hour of Generator

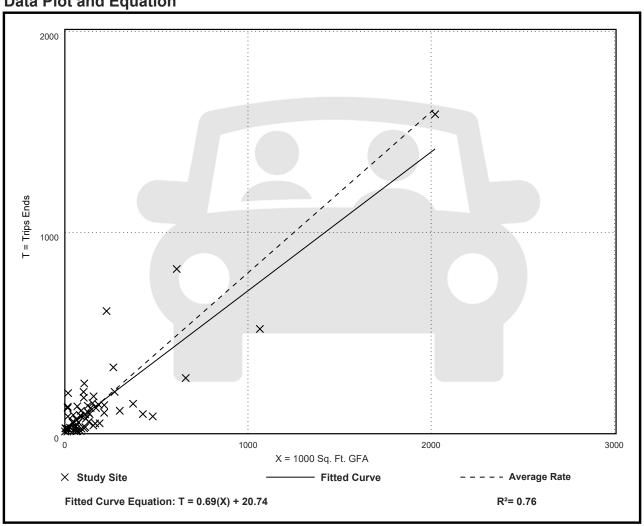
Setting/Location: General Urban/Suburban

Number of Studies: 62 Avg. 1000 Sq. Ft. GFA: 180

Directional Distribution: 42% entering, 58% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.80 | 0.15 - 11.37 | 0.82 |





Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Saturday

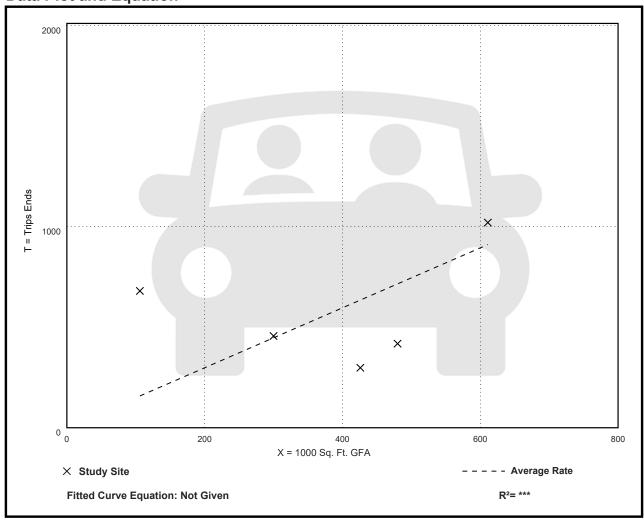
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. 1000 Sq. Ft. GFA: 385

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 1.49 | 0.70 - 6.42 | 1.41 |





Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Saturday, Peak Hour of Generator

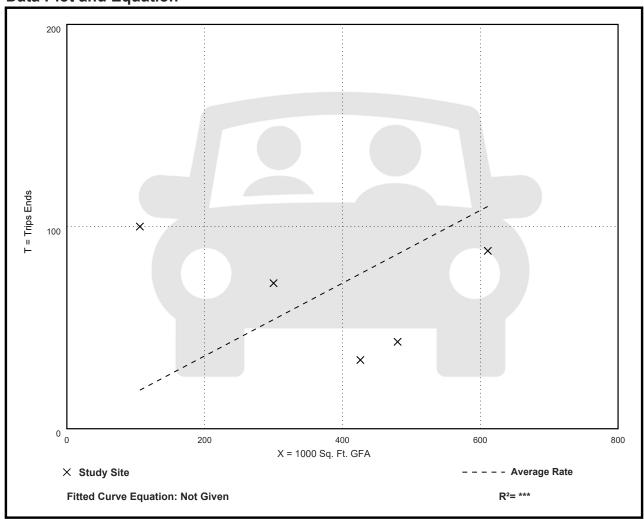
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. 1000 Sq. Ft. GFA: 385

Directional Distribution: 52% entering, 48% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.18 | 0.08 - 0.94 | 0.22 |





Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Sunday

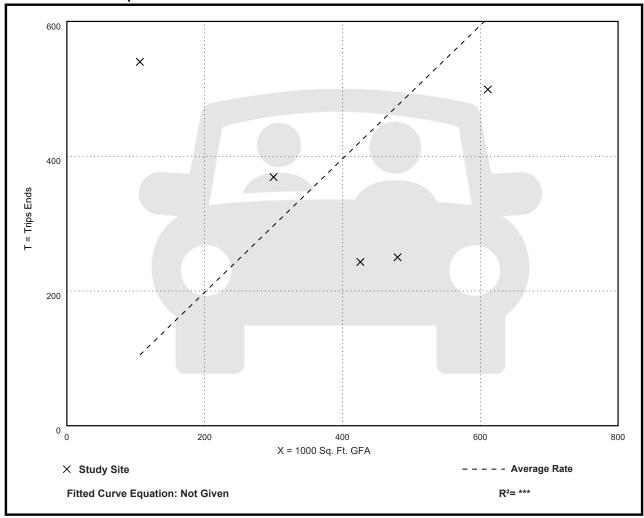
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. 1000 Sq. Ft. GFA: 385

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.99 | 0.52 - 5.09 | 1.14 |



Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Sunday, Peak Hour of Generator

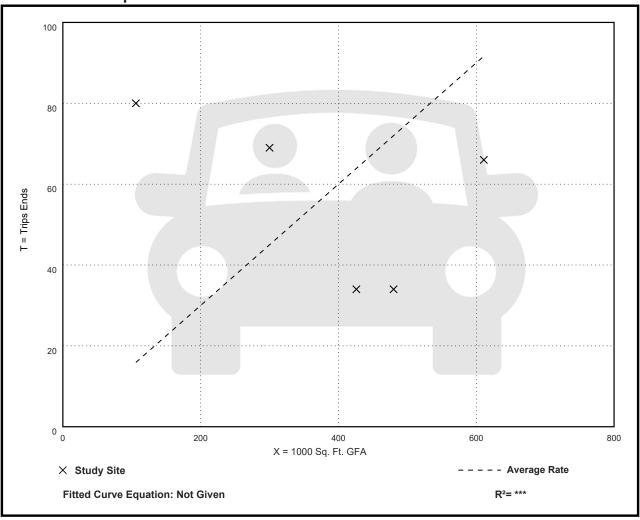
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. 1000 Sq. Ft. GFA: 385

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.15 | 0.07 - 0.75 | 0.17 |





Vehicle Trip Ends vs: Employees
On a: Weekday

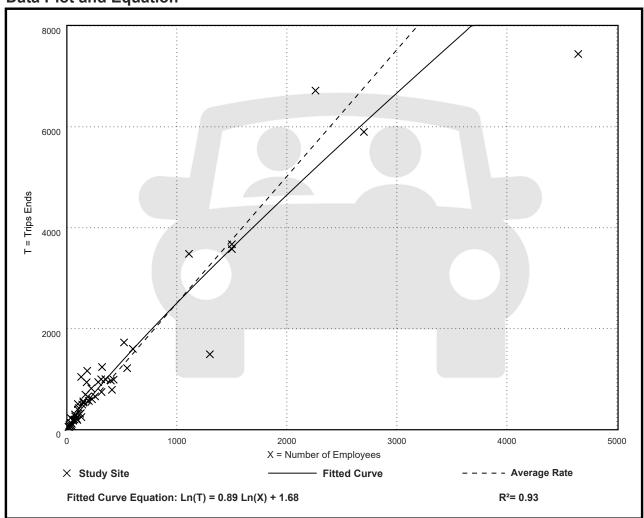
Setting/Location: General Urban/Suburban

Number of Studies: 53 Avg. Num. of Employees: 437

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 2.51 | 1.15 - 8.05 | 0.96 |



Vehicle Trip Ends vs: Employees

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

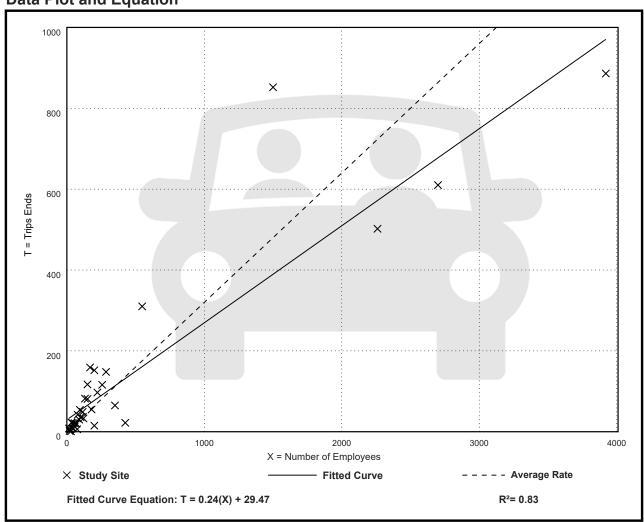
Setting/Location: General Urban/Suburban

Number of Studies: 37 Avg. Num. of Employees: 400

Directional Distribution: 73% entering, 27% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.32 | 0.03 - 0.94 | 0.18 |





Vehicle Trip Ends vs: Employees

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

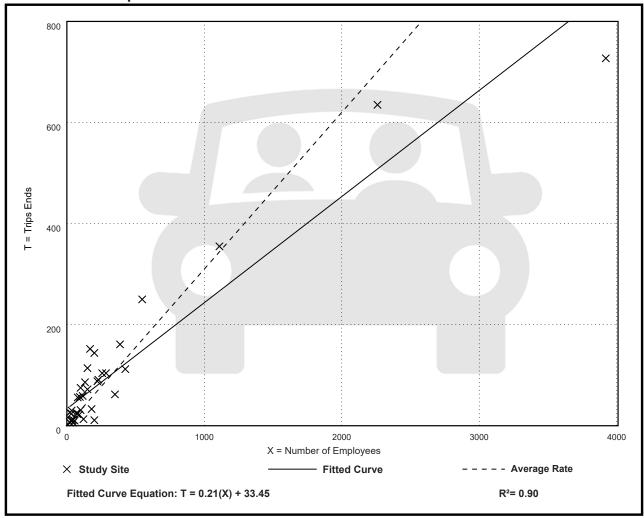
Setting/Location: General Urban/Suburban

Number of Studies: 37 Avg. Num. of Employees: 334

Directional Distribution: 37% entering, 63% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.31 | 0.06 - 1.18 | 0.17 |





Vehicle Trip Ends vs: Employees
On a: Weekday,
AM Peak Hour of Generator

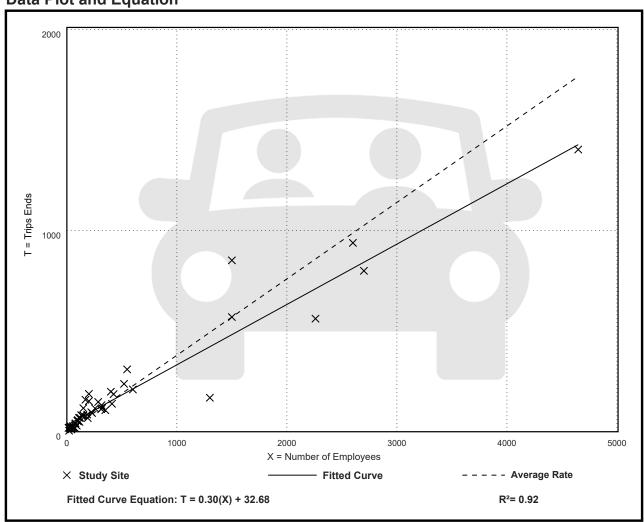
Setting/Location: General Urban/Suburban

Number of Studies: 54 Avg. Num. of Employees: 459

Directional Distribution: 83% entering, 17% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.38 | 0.13 - 1.27 | 0.15 |





Vehicle Trip Ends vs: Employees
On a: Weekday,
PM Peak Hour of Generator

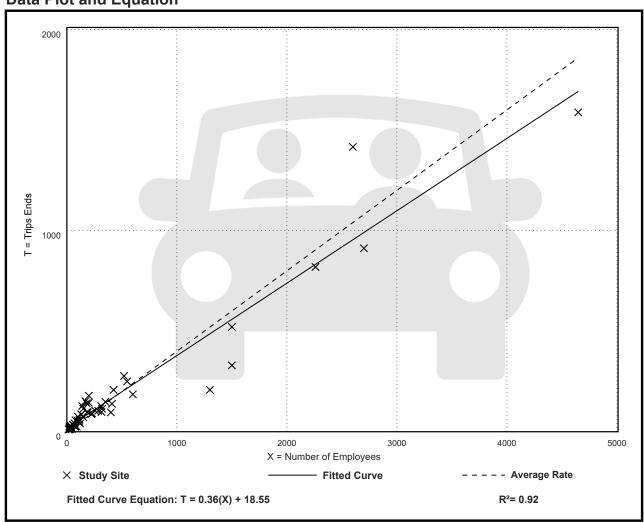
Setting/Location: General Urban/Suburban

Number of Studies: 55 Avg. Num. of Employees: 454

Directional Distribution: 39% entering, 61% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.40 | 0.16 - 1.18 | 0.15 |





Vehicle Trip Ends vs: Employees On a: Saturday

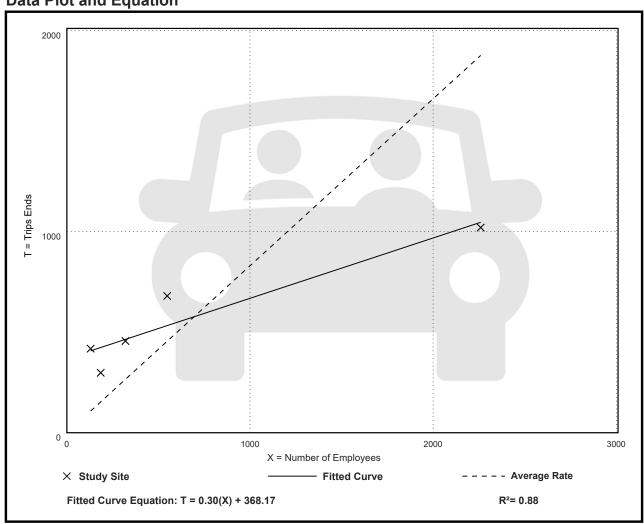
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. Num. of Employees: 689

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.83 | 0.45 - 3.22 | 0.71 |





Vehicle Trip Ends vs: Employees

On a: Saturday, Peak Hour of Generator

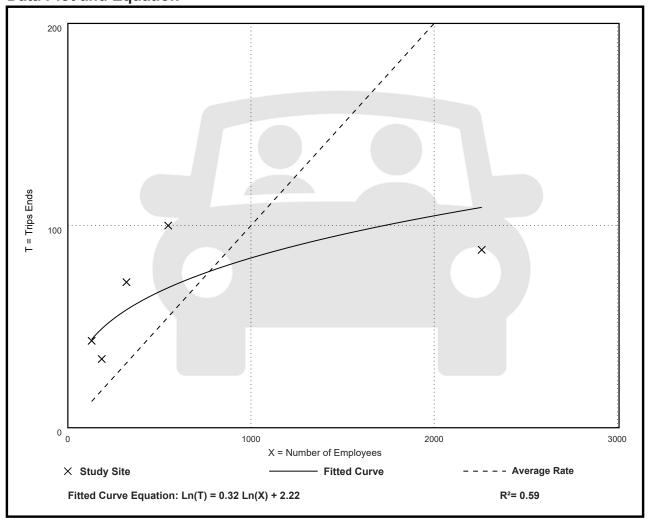
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. Num. of Employees: 689

Directional Distribution: 52% entering, 48% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.10 | 0.04 - 0.33 | 0.10 |





Vehicle Trip Ends vs: Employees
On a: Sunday

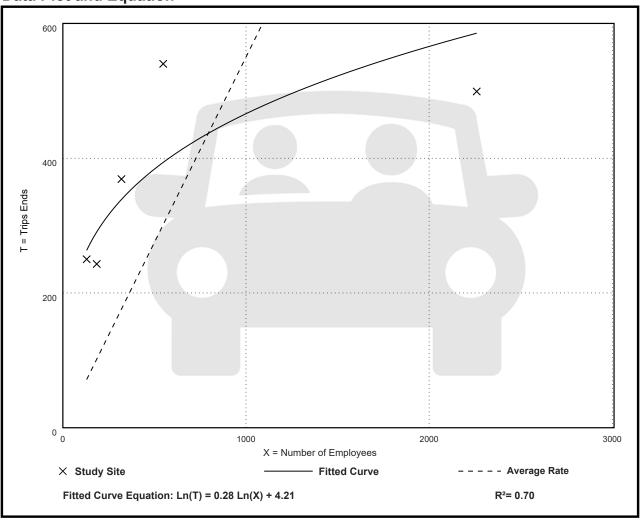
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. Num. of Employees: 689

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.55 | 0.22 - 1.92 | 0.55 |





Vehicle Trip Ends vs: Employees

On a: Sunday, Peak Hour of Generator

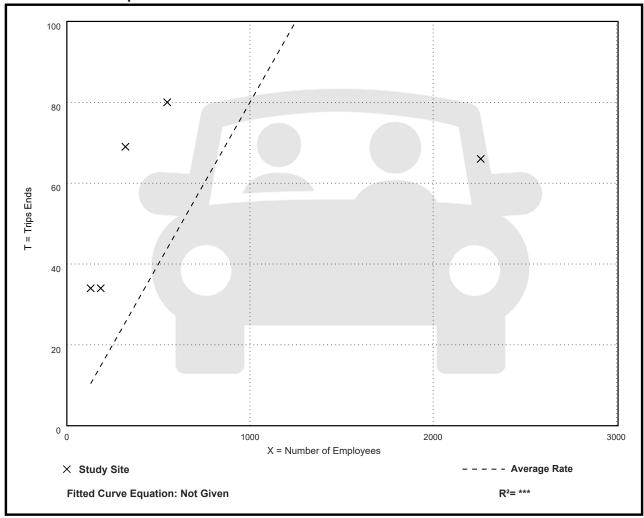
Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. Num. of Employees: 689

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Employee

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.08 | 0.03 - 0.26 | 0.09 |





Vehicle Trip Ends vs: Acres
On a: Weekday

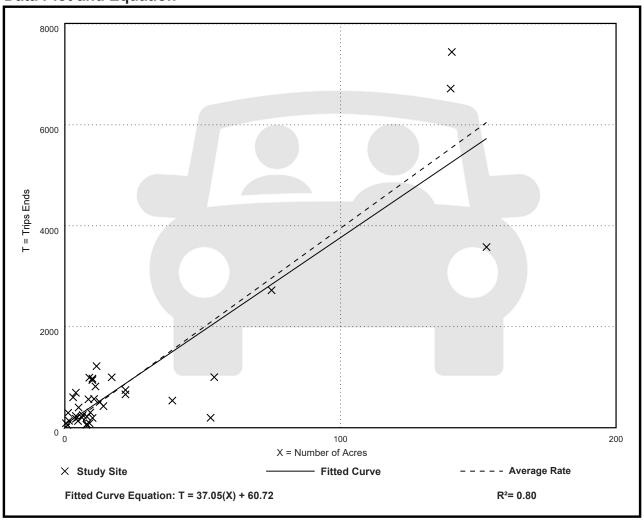
Setting/Location: General Urban/Suburban

Number of Studies: 37 Avg. Num. of Acres: 24

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 39.53 | 3.72 - 245.83 | 27.04 |





Vehicle Trip Ends vs: Acres

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

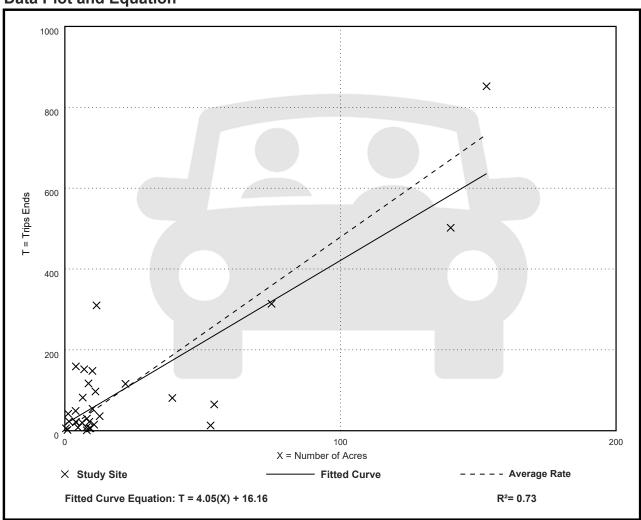
Setting/Location: General Urban/Suburban

Number of Studies: 32 Avg. Num. of Acres: 22

Directional Distribution: 86% entering, 14% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 4.79 | 0.13 - 39.75 | 5.36 |





Vehicle Trip Ends vs: Acres

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

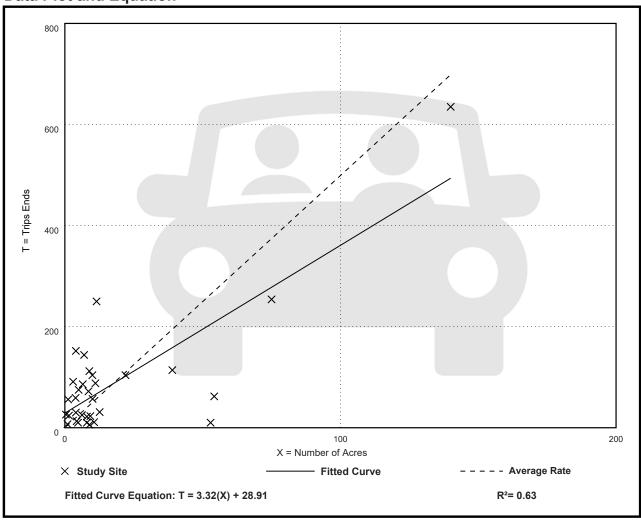
Setting/Location: General Urban/Suburban

Number of Studies: 32 Avg. Num. of Acres: 17

Directional Distribution: 39% entering, 61% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 4.99 | 0.19 - 65.00 | 6.17 |





Vehicle Trip Ends vs: Acres

On a: Weekday,

AM Peak Hour of Generator

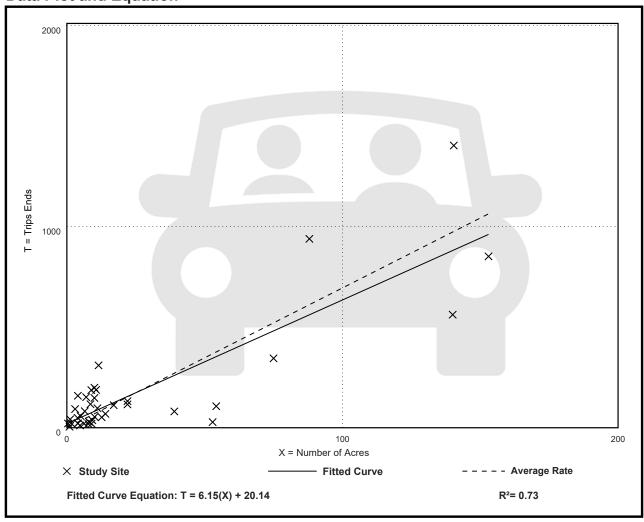
Setting/Location: General Urban/Suburban

Number of Studies: 40 Avg. Num. of Acres: 25

Directional Distribution: 75% entering, 25% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 6.95 | 0.53 - 52.50 | 5.55 |





Vehicle Trip Ends vs: Acres

On a: Weekday,

PM Peak Hour of Generator

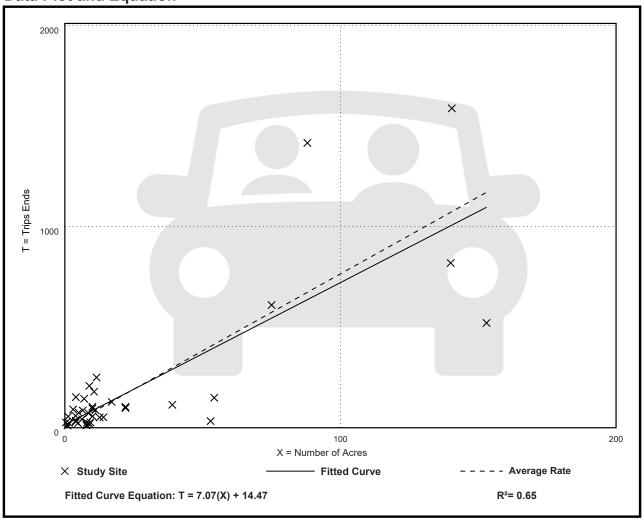
Setting/Location: General Urban/Suburban

Number of Studies: 40 Avg. Num. of Acres: 25

Directional Distribution: 44% entering, 56% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 7.65 | 0.62 - 65.00 | 5.90 |





Vehicle Trip Ends vs: Acres
On a: Saturday

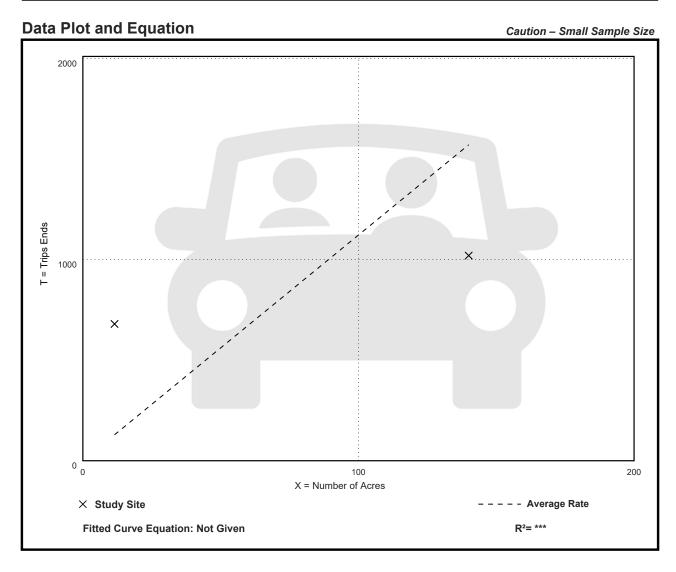
Setting/Location: General Urban/Suburban

Number of Studies: 2 Avg. Num. of Acres: 76

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 11.22 | 7.29 - 59.13 | *** |



Vehicle Trip Ends vs: Acres

On a: Saturday, Peak Hour of Generator

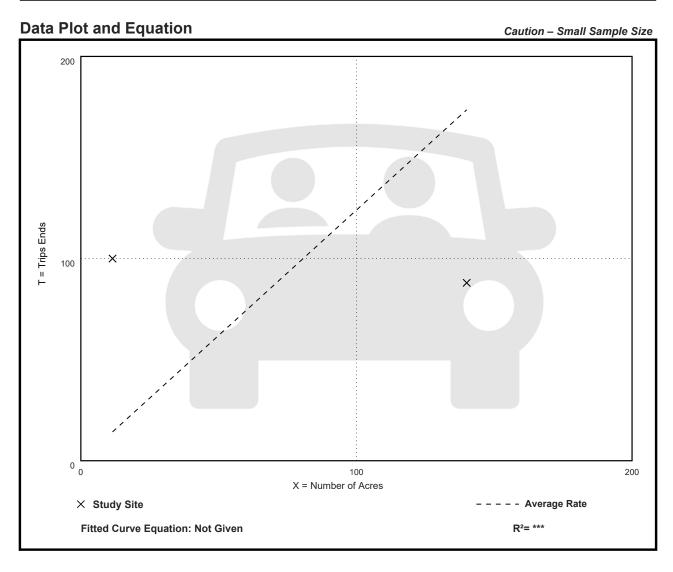
Setting/Location: General Urban/Suburban

Number of Studies: 2 Avg. Num. of Acres: 76

Directional Distribution: 52% entering, 48% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 1.24 | 0.63 - 8.70 | *** |





Manufacturing (140)

Vehicle Trip Ends vs: Acres
On a: Sunday

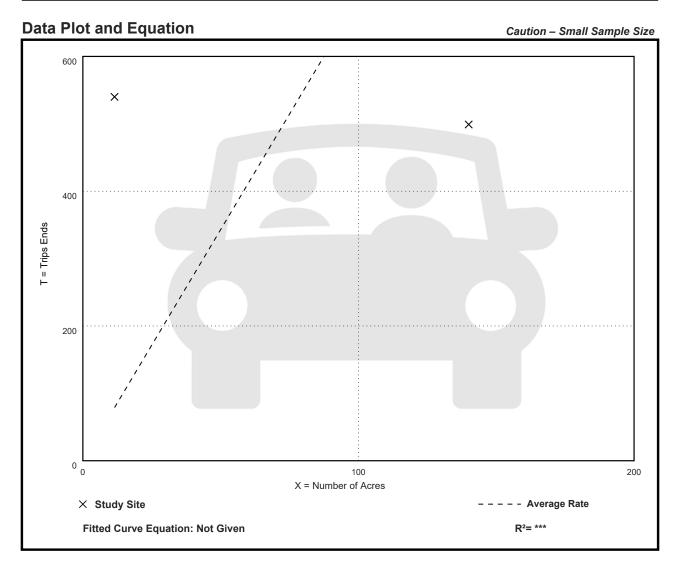
Setting/Location: General Urban/Suburban

Number of Studies: 2 Avg. Num. of Acres: 76

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 6.86 | 3.56 - 46.96 | *** |



Manufacturing (140)

Vehicle Trip Ends vs: Acres

On a: Sunday, Peak Hour of Generator

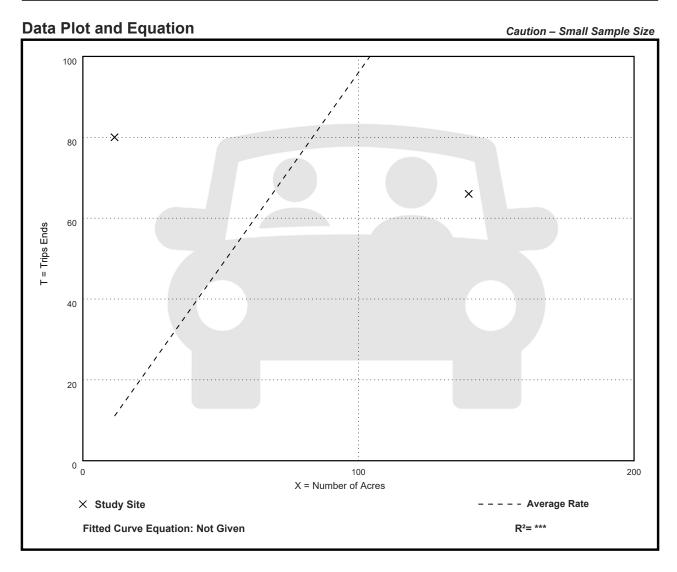
Setting/Location: General Urban/Suburban

Number of Studies: 2 Avg. Num. of Acres: 76

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Acre

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.96 | 0.47 - 6.96 | *** |







AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Richard Secrist

Submitting Department: Development Services

Administrative

Consideration for approval of a Conditional Use Permit Case No. CUP-22-002 (Crown Mesquite), a building height of 42' 10", where the base standard is 2 story's / 35 feet, in the Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer Boulevard.

- Public Hearing
- Discussion and Possible Action

PETITIONER: Crown Holdings **DEPARTMENT:** Development Services

RECOMMENDATION:

Approve Case No. CUP-22-002 (Crown Mesquite), a building height of 42' 10", where the base standard is 2 story's / 35 feet, in the Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-1825 West Pioneer Boulevard.

Background:

Crown Holdings Inc. has selected the City of Mesquite for the site of their next aluminum can manufacturing facility. The proposed development is planned to be built in two phases. The manufacturing plant is planned to be 355,000 square feet, with a 168,000 square feet warehouse storage expansion. The anticipated build-out year with the expansion is 2028. Construction of the main manufacturing facility and site improvements is set to begin this spring and summer.

In order to build a building this big, with the large roof spans, the design proposes a 42' 11" high building. The height limit in the Light Industrial (IR-1) Zone is 2 stories / 35 feet. The Performance Standards for this zone do make provision to go up to 2 stories higher, with the issuance of a Conditional Use Permit.

The additional 7'11" should not adversely impact any of the surrounding properties. This iis a very large site with generous setbacks, and the surrounding properties are vacant.

Fiscal Impact: None

Budgeted Item: No

Attachments:

- General Vicinity Map for CUP-22-002 Crown Mesquite.pdf
- CUP-22-002_Crown_Staff Memo.docx
- CUP-22-002_App & Plans.pdf

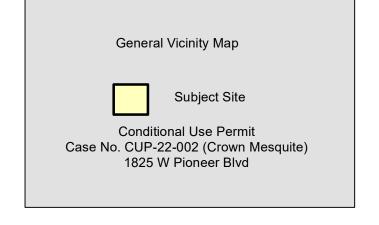
General Vicinity Map







1" = 2000'





TO: Honorable Mayor and City Council

FROM: Richard Secrist, Development Services Director

DATE: Technical Review- March 15, 2022

City Council- March 22, 2022

RE: Consideration of Conditional Use Permit Case No. CUP-22-002

(Crown Mesquite) to approve a building height of 42' 10", where the base standard is 2 story's / 35 feet, in the Mesquite Technology and Commerce Center in the Light Industrial (IR-1) Zone, located at 1725-

1825 West Pioneer Boulevard.

Background

Crown Holdings Inc. has selected the City of Mesquite for the site of their next aluminum can manufacturing facility. The proposed development is planned to be built in two phases. The manufacturing plant is planned to be 355,000 square feet, with a 168,000 square feet warehouse storage expansion. The anticipated build-out year with the expansion is 2028. Construction of the main manufacturing facility and site improvements is set to begin this spring and summer.



Page: 2

In order to build a building this big, with the large roof spans, the design proposes a 42' 11" high building. The height limit in the Light Industrial (IR-1) Zone is 2 stories / 35 feet. The Performance Standards for this zone do make provision to go up to 2 stories higher, with the issuance of a Conditional Use Permit.

The additional 7'11" should not adversely impact any of the surrounding properties. This iis a very large site with generous setbacks, and the surrounding properties are vacant.



Key Facts

- The proposed development will contain 355,000 square feet, with a 168,000 square feet warehouse storage expansion. The is approximately 63 acres in size.
- The proposed land use (drink can manufacturing) is allowed in the Light Industrial IR-1 zoning district.
- The project has vacant Light Industrial zoned land to its north, south, east, and west

Analysis

The applicant has also applied for Architectural and Site Plan Review Approval, and is the subject of another item on this agenda.

Conditional Use Permit Analysis

Page: 3

Conditional uses generally are compatible with the permitted land uses in a given zoning district, but require individual review of their location, design and configuration to address any issues that may need to be mitigated. Additionally, conditional use permits run with the land, which means the potential approval is specific to a property, while owners and business names may change.

Conditional use permits (CUP) are evaluated based on the following criteria in Mesquite Municipal Code (MMC) Section 9-5-3(E)(3):

a. Whether the proposed use at the specified location is consistent with the policies embodied in the adopted master plan;

The proposed building height was evaluated for consistency with adopted Master Plan policies. The following policies are considered relevant to the amendment request:

Land Use Element:

The Performance Standards for the IR-1 zone do make provision to build up to 2 stories higher, with the issuance of a Conditional Use Permit. The process for issuance of a Conditional Use Permit guarantees that the request gets evaluated for its impact to surrounding properties, as well as it's conformance to the purpose and intent of the district.

- LU.3.5 Ensure that existing and proposed land uses are compatible.
- LU.3.9 Buffer commercial and industrial uses from residential uses and screen the visual encroachment that commercial development imposes upon residential.
- LU.7.1 Encourage commercial nodes at Interstate 15 interchanges and avoid the appearance of strip development along the Interstate frontage.

Commentary: Staff believes that the Crown manufacturing facility is located at the ideal location. It is close to Exit 118, and it is surrounded by mostly vacant industrial land. The additional 7' 10" in height being requested will have no impact on surrounding land uses.

b. Whether the proposed use is consistent with the general purpose and intent of the applicable zoning district regulations and complies with the requirements of the zoning ordinance;

The Industrial-Light District is intended to provide for light manufacturing uses in locations which are suitable based upon adjacent land uses, access to transportation and the availability of public services and facilities. The Industrial-Light District corresponds to and implements the industrial/research master plan category

Page: 4

Commentary: The additional height proposed will have a negligible impact, and is consistent with the purpose and intent of the Light Industrial Zone.

c. Whether the proposed conditional use may be materially detrimental to the public health, safety, convenience and welfare, or may result in material damage or prejudice to other property in the vicinity;

Commentary: See other criteria. If the required codes and recommended standards are implemented as conditioned herein, the approval of the use is not found to be materially detrimental to the public health, safety, convenience and welfare, nor will it result in material damage or prejudice to other property in the vicinity.

d. Whether the proposed use is compatible with and preserves the character and integrity of adjacent development and neighborhoods and includes improvements or modifications either on site or within the public rights-of-way to mitigate any adverse impacts which may result from the development, such as traffic, noise, odors, visual nuisances or other similar adverse effects. Such improvements or modifications may include, but shall not be limited to, the placement or orientation of buildings and entryways, parking areas, buffer yards and the addition of landscaping, walls or both, to ameliorate such impacts;

Commentary: See other criteria. If the required codes and recommended standards are implemented as conditioned herein, the approval of the use is not found to be materially detrimental to the public health, safety, convenience and welfare, nor will it result in material damage or prejudice to other property in the vicinity.

e. Whether the proposed use will generate pedestrian and vehicular traffic which will be hazardous to the existing and anticipated traffic in the neighborhood.

Commentary: The proposed amendment will not adversely affect the implementation of the Mesquite master plan policies and action programs, with respect to traffic capacity or safety, site conditions, public services or facilities, or environmentally sensitive areas or resources.

Traffic impacts at the proposed facility will not be significant, and are not expected to be hazardous to the existing and anticipated traffic. With the increase in traffic from the proposed development, the intersections evaluated in the traffic study are expected to operate at the same LOS as in the background conditions. The accesses to the project are expected to operate at LOS A.

Page: 5

No mitigation measures are recommended.

Recommendation

Approve Conditional Use Permit Case No. CUP-22-002, subject to staff's recommendations.

Conditions of Approval:

Building Department

1. Meet all applicable Building Codes and Standard Conditions.

Engineering Department

1. Standard Conditions as applicable.

Planning

1. Meet all applicable Zoning Codes.

Public Works

1. Standard Conditions as applicable.

Sanitation

1. Standard Conditions as applicable.

Solid Waste

1. Standard Conditions as applicable.

Fire & Rescue Department

1. Meet all Fire Codes.

Police Department

1. No Concerns.



Architectural and Site Plan Review

| Project Information | | | | |
|---|-----------------|--------------------|--|--|
| Project Name | | Existing Zoning | | |
| Project Location | | Gross Acres | | |
| Assessor's Parcel Number | ·(s) | | | |
| Building Use(s) and Size(s |) | | | |
| Total Square Feet | | | | |
| Please explain the intent | of this request | | | |
| Applicant Signature | De Bin | Date | | |
| Applicant Information | | | | |
| Property Owner(s) | | | | |
| Mailing Address | | | | |
| Phone No | Email | Fax No | | |
| Applicant (if different tha | n Owner) | | | |
| Mailing Address | | | | |
| Phone No | Email | Fax No | | |
| Contact Person/Representative (if different than Owner) | | | | |
| Mailing Address | | | | |
| Phone No | Email | Fax No | | |
| Office Use Only | | | | |
| Case No | | Application Fee \$ | | |
| Date Received | | Noticing Fee \$ | | |
| Received By | | Planner | | |

Checklist

Please use the following list to prepare your complete application. If any information is missing, inaccurate or incomplete, the application will be deemed invalid and **will not** be accepted for processing.

- ☐ Application fee of \$175 is due upon submittal.
- One (1) original signed application.
- ☐ One (1) original, current and fully signed Affidavit(s) plus one (1) copy.
- One (1) original legal description of the property plus one (1) copy. (A metes and bounds description is required if the property is not platted.)
- Two (2) 24" x 36" site plan folded to 9" x 12" size (please refer to Mesquite Municipal Code (MMC Section 9-5-4C).
- M One (1) original 8 ½" x 11" site plan plus one (1) copy.
- Two (2) 8 ½" x 11" color renderings. One (1) 24" x 36" color rendering. One (1) color board and material(s) samples.
- ☑ Traffic Impact Analysis: Required if project will generate more than five hundred (500) vehicle trips per day based on Institute of Transportation Engineer trip generation rates (Please refer to MMC Section 9-9-6C).
- One (1) original Service Availability letter from each public utility plus one (1) copy:
- -City of Mesquite Sanitation Division.
- -Overton Power District No. 5.
- -Reliance Connects Telephone/Cable Company.
- -Virgin Valley Disposal.
- -Virgin Valley Water District.
- ☐ If the project is located in a Common Interest Community approval must be obtained prior to approval of the application by City of Mesquite.
- ☐ A digital copy of the submittal are required in the following formats:
- -All site plans must be in AutoCAD Version 14 or higher, DWG format.
- -All architectural renderings and building elevations must be in TIF, JPEG or PDF format.
- -All other documents can be submitted in TIF, JPEG, PDF or DOC format.



1717 E Chisholm Dr. Nampa, ID 83687 P 208 465 0200 F 208 465 0272

WWW.HANSEN-RICE.COM

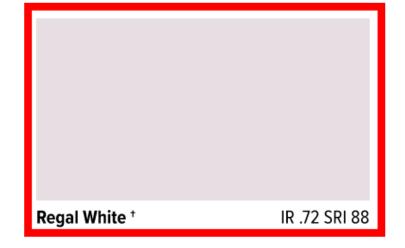
PROFESSIONAL SEAL

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL
CONDITIONS AND DIMENSIONS
AT THE JOB SITE AND NOTIFY
HANSEN-RICE, INC. OF ANY
DIMENSIONAL ERRORS, OMISSIONS,
OR DISCREPANCIES BEFORE
BEGINNING OR FABRICATING
ANY WORK.

S ENTRY PERSPECTIVE

12" = 1'-0"



METAL WALL & ROOF COLOR REGAL WHITE PVDF COATING



METAL WALL PANEL ARCHITECTURAL III PANEL



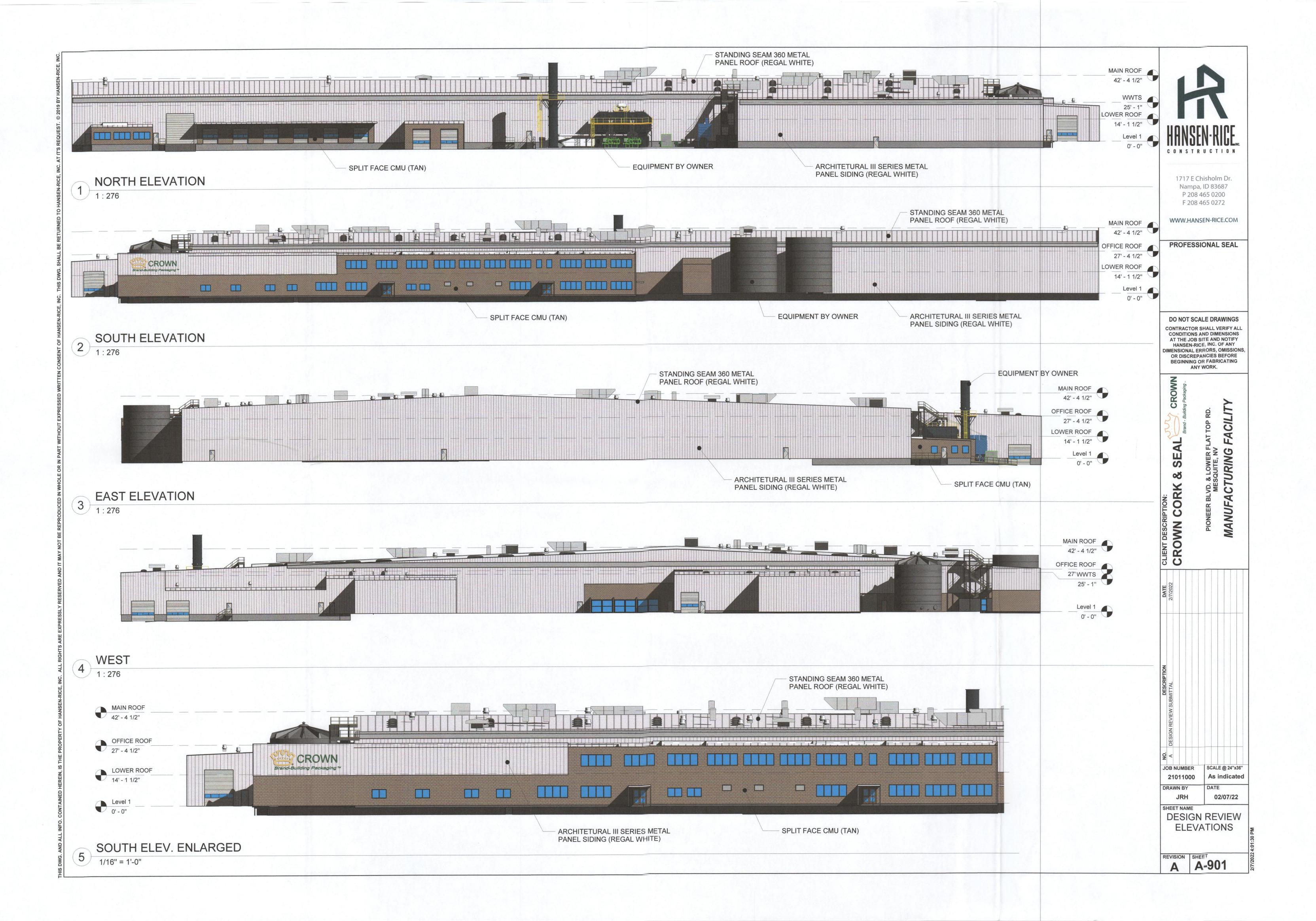
METAL ROOF PANEL STANDING SEAM 360

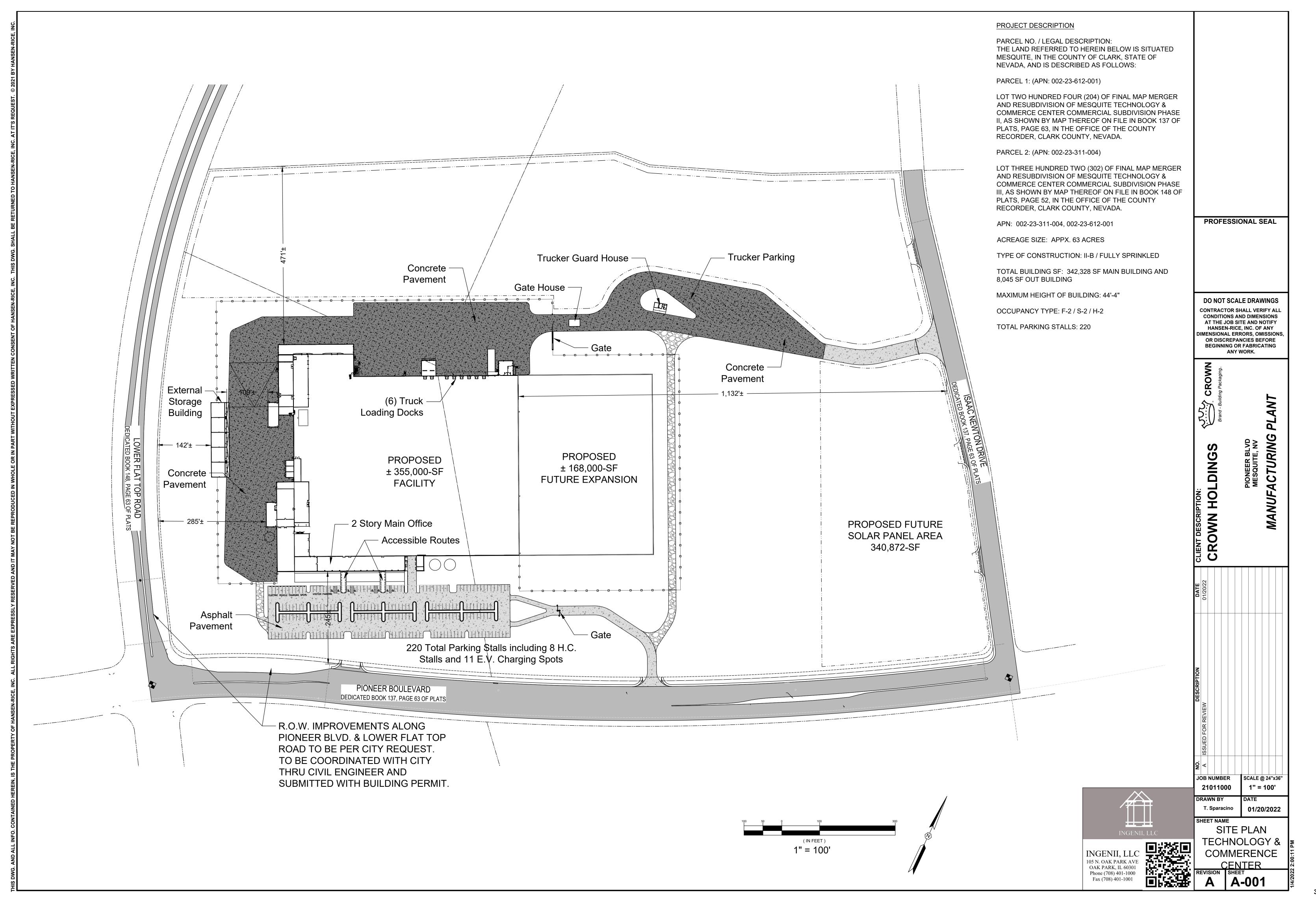


CMU WALL SPLIT FACE TAN

SHEET NAME RENDERING **VIEWS**

A-904







Attachments:

• Memo 700 Hardy Way.pdf

AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Martine Green Submitting Department: City Manager

| | Administrati | | | |
|---|--------------------------|--|--|--|
| Discussion regarding the former First Baptist Church property whether to Lease or Sell. | | | | |
| - Public Comment- Discussion and Possible Action | | | | |
| PETITIONER: Martine Green, Deputy City Clerk | DEPARTMENT: City Manager | | | |
| RECOMMENDATION: | | | | |
| Background: | | | | |
| Fiscal Impact: | | | | |
| Budgeted Item: No | | | | |

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To: Mayor & City Council

MEMO

From: Nicholas F. Montoya, Department Director

CC: Andy Barton, City Manager

Date: February 7, 2022

Re: 700 Hardy Way Facility 2022

Pages: 5

To Whom It May Concern,

As public-serving entities our Department is looking at many new ideas to generate revenue and is looking at the following to be better stewards of our community in this New Year.

- Improve operational efficiency.
- Lower risk and liability.
- Continually track usage and budget with notification of atypical use.
- Oversee contractor and employee performances.
- Make measurable progress toward sustainability goals.
- Protect property investment.
- Experience a compelling ROI to the community when exploring more and better options of technology and refurbish equipment.

"Leisure enrichment for life - the benefits are endless"



700 Hardy Way Facility

City of Mesquite now owns the facility Located on:

700 Hardy Way APN 001-08-110-036 Mesquite, Clark County, NV 89027

AN APPRAISAL REPORT was completed: August 25, 2020 by

Cushman & Wakefield of Nevada, Inc. **Valuation & Advisory** 6725 Via Austi Parkway, Suite 275 Las Vegas, NV 89119

According to the Clark County Assessor, the subject site consists of APN 001-08-110-036 containing 2.59 acres, or 112,820 square feet of property. However, the facility does not currently utilize the entire site due to changes in topography.

The Facility property consists of the following, 2 great rooms room used for the sanctuary/gatherings, office space, classrooms, activities space, restrooms, stage with sound system capabilities and kitchen area. According to measurements taken of the physical facility, the gross and net rentable areas are 9,600 square feet. (Please see attached layout)

This appraisal does not employ any extraordinary assumptions.

The Appraisal Market Value As-Is Fee Compiled by Cushman & Wakefield of Nevada, Inc.

- Date of Value August 25, 2020
- Value Conclusion \$1,150,000 of Facility in 2020, August.

The primary level/usable area that is currently improved with the building and parking lot consists of approximately 1.50 acres. This excludes the steep hill on the east side of the building, the dirt lot south of the building and the steep berm/landscape area on the west side along Hardy Way. The area "Leisure enrichment for life - the benefits are endless"

City of Mesquite Athletics & Leisure Services Department

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to the south of the building has been considered for surplus parking but it is approximately 15 feet below the level of the main site and current access would only be possible via the east side of the site and drainage issues would have to be addressed so improving this area for parking has not yet been financially feasible.

However, if used for a daycare or school this area could potentially be used for a play area and if approved by the City, direct access might be possible from Hardy Way to the west of the dirt lot.

The City of Mesquite would like to give some options of the Facility in question to Council.

- 1. Selling the Property outright: the last appraisal was made in August 2020 for the amount of #1,150,000.00. With Property at what it's at now this could go for more. Recommendation of getting new appraisal for said property.
- 2. **Pre-School Facility expansion:** We walked this site with our staff and it would take a huge expense to remodel to a pre-school site for the community.
- 3. Day Care Facility: we recommend that if we are going to move in this direction for the Day Care Facility there the same issues with the remodel expenses to bring up to code for this project. (Make that their expense to remodel and bring up to State Code) (DHHS)
- 4. Lease to Own: Options for a non-Profit facility use the rental agreement in place to put towards the purchase price that was agreed upon by the Council.
- 5. Rental to non-profits: we have attached the <u>Description of Rates & Fees</u> of what the City currently has in place with non-profits.

In doing some research of Commercial & Store Front Retail Space we have information to compare our rates to. This was done through 1 property Management Company and 2 real estate agents in the Mesquite Community:

- Commercial Space: \$ 0.80 \$1.00 per Sq. Ft
- Store Front Retail / Office Ready: \$1.10 \$1.25 per Sq. Ft

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Description of Rates/Fees

Each Facility Use Agreement that is entered into by the City of Mesquite and a qualifying non-profit group for the lease of a portion of the 700 Hardy Way shall set forth the fees encompassed in the monthly lease rates. Rates set forth in the agreements shall be approved by the City of Mesquite and are established to appropriately recover some of the capital improvements, operation costs, and maintenance costs of the 700 Hardy Way facility. Unless otherwise directed by the City Council, monthly lease rates shall include:

Base Rate \$0.10 per Sq. Foot

This monthly fee shall be calculated by multiplying the base lease rate by the square footage of the leased space.

Utility Fee \$0.15 per Sq. Foot

This monthly fee shall be calculated to result in the reimbursement to the City of the utilities paid by the City for the 700 Hardy Way facility (Water, Power, Sewer and Sanitation) during the previous 12-month period and projected over the next two years. Utility fees for the 700 Hardy Way facility portions of the 700 Hardy Way will be handled separately and directed to the respective groups utilizing this facility. The utility fees for the 700 Hardy Way will be calculated on a square footage basis for the organization at that location.

Capital Investment Fee \$0.15 per Sq. Foot

This fee aids in the reimbursement of costs for capital projects at the 700 Hardy Way over a set period of years. Capital investment fees shall be calculated on a monthly basis based on the square footage leased. These fees shall be applicable to non-profit groups benefitting from the projects at the facility.

Common Area Maintenance Fee \$35.00/month

This fee is intended to cover janitorial supplies, small maintenance and landscape costs for common areas used by non-profit groups at the 700 Hardy way portions of the facility. This fee shall be applicable to the user of the 700 Hardy portion of the facility with the exception of groups who are authorized to lease space solely for the purpose of storage or groups that have obtained approval from the City. This fee shall be a flat rate fee.

Amendments and Modifications

The City reserves the right to amend and modify this policy from time to time, as it deems appropriate.

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City of Mesquite Athletics & Leisure Services Department



Suggested Monthly Lease Payment

Non Profit Group: ????? ??????? ??????? (Organization)

Location: 700 Hardy Way Facility, Mesquite, Nevada 89027

Amount of Space Leased: 9,600 square feet

Required Monthly Lease Payment:

| Base Rate | \$.10 per sq. foot | |
|---|----------------------|-------------|
| Utilities | \$.15 per sq. foot | |
| Capital Investment | \$.15 per sq. foot | |
| | | |
| Sub-total of Square Footage Fees | \$0.400 x 9,600 feet | \$3,840.00 |
| Common Area Maintenance Fee | | \$35/mo. |
| Total Monthly Lease Amount | | \$3,875.00 |
| Annual Lease Amount: July 1, 2022 – June 30, 2023 | \$3,875.00 x 12 | \$46,500.00 |
| Annual Lease Amount: July 1, 2023 – June 30, 2024 | \$3,875.00 x 12 | \$46,500.00 |

"Leisure enrichment for life - the benefits are endless"

City of Mesquite Athletics & Leisure Services Department

100 West Old Mill Rd. – Mesquite, Nevada 89027 – Phone: (702) 346-8732 – Fax: (702) 346-8678 Facebook: www.facebook.com/MesquitenvRecreation Tour Mesquite App: https://tour.mesquitenv.gov



AGENDA ITEM City Council Meeting Meeting Date: March 22, 2022

Submitted by: Tracy Beck Submitting Department: City Clerk

Public Comments Public Comment PETITIONER: Tracy E. Beck, City Clerk DEPARTMENT: City Clerk RECOMMENDATION: Background: Fiscal Impact: None Budgeted Item: No Attachments:



AGENDA ITEM
City Council Meeting
Meeting Date: March 22, 2022
Submitted by: Tracy Beck

Submitting Department: City Clerk

| | Adjournmen |
|--|----------------|
| Adjournment | |
| PETITIONER: Tracy E. Beck, City Clerk DEPARTMENT: City Clerk | |
| RECOMMENDATION: | |
| Background: | |
| Fiscal Impact: None | |
| Budgeted Item: No | |
| Attachments: | |