# 4-Square at Sterling Ranch East Traffic Technical Memorandum (SC \#S224590) 

## November 22, 2022

## Traffic Engineer's Statement

This traffic report and supporting information were prepared under my responsible charge and they comport with the standard of care. So far as is consistent with the standard of care, said report was prepared in general conformance with the criteria established by the County for traffic reports.

See comment memo also.


## Developer's Statement

I, the Developer, have read and will comply with all commitments made on my behalf within this report.


# 4-Square at Sterling Ranch East Traffic Technical Memorandum 

Prepared for:
Loren J. Moreland
Vice President/Project Manager
Classic SRJ
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NOVEMBER 22, 2022

LSC Transportation Consultants
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November 22, 2022

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# RE: 4-Square at Sterling Ranch East El Paso County, CO <br> Traffic Technical Memorandum LSC \#S224590 

Dear Mr. Moreland:

LSC Transportation Consultants, Inc. has prepared this traffic technical memorandum for the 4-Square at Sterling Ranch East residential development. As shown in Figure 1, the site is located north of the future extension of Briargate Parkway and west of the future extension of Sterling Ranch Road in El Paso County, Colorado. LSC recently prepared a traffic impact study (TIS) for the Sterling Ranch East Phase 1 Rezoning and Preliminary Plan (SP224) that included trips by the currently-proposed filing. This memorandum is intended as a site-specific, final plat traffic report for 4-Square at Sterling Ranch East.

## REPORT CONTENTS

This report presents:

- A summary of the proposed land use and access plan;
- The projected average weekday and peak-hour vehicle trips to be generated by the currently-proposed filing;
- The assignment of the site-generated traffic volumes to the area roadways;
- The recommended street classifications for the internal streets within the currently-proposed filing;
- Improvements needed with the currently-proposed filing; and
- The project's obligation to the County roadway improvement fee program.


## RECENT TRAFFIC REPORTS

- LSC completed an ypdated master traffic study (TIS) for the entire Sterling Ranch development, dated October 21, 2022.
- LSC prepared 2 TIS for the Sterling Ranch East Phase 1 Rezoning and Preliminary Plan, November 17, 2022. The currently proposed filing was accounted for within that recent report.
- A list of other traffic studies within Sterling Ranch and in the vicinity of area of study completed within the past five years (that LSC is aware of) is attached for reference.
- El Paso Country is currently studying the Briargate Stapleton Corridor as part of a Pikes Peak Rural Transportation Authority (PPRTA) study. A draft version of the BriargateStapleton Corridor Study by Wilson \& Company was published December 9, 2021.

The site plan does not reflect a typical single
$\begin{array}{ll}\text { LAND USE AND ACCESS } & \begin{array}{l}\text { family home lot layout, as many lots do not front } \\ \\ \text { on roadways. Please clarify land use. }\end{array} \quad \downarrow \downarrow\end{array}$
4-Square at Sterling Ranch East is planned to include 158 lots for single-family homes. Figure 2 shows the proposed site plan.

Figure 3 shows the roadway connections that are planned to be constructed in the short term. As shown in Figure 3, by 2023 Briargate Parkway is planned to be constructed to its final cross section between Vollmer Road and Wheatland Drive, Marksheffel Road is planned to be completed between Vollmer Road and Woodmen Road, and Sterling Ranch Road is planned to be constructed from Marksheffel Road to Dines Boulevard. With Sterling Ranch East Filing No. 1, which is planned to be constructed prior to the Villages at Sterling Ranch East, Briargate Parkway is planned to be constructed to its final cross section between Wheatland Drive and Sterling Ranch Road and Sterling Ranch Road is planned to be constructed from Dines Boulevard to Idaho Falls Drive. These connections will need to be constructed with 4-Square at Sterling Ranch East if they are not constructed as part of Sterling Ranch East Filing 1.

Full-movement access is proposed to Sterling Ranch Road via Idaho Falls Drive. The proposed access spacing is shown in Figure 2. As shown in the figure, all of the access points meet the intersection spacing requirements.

An additional three-quarter-movement access (Boulder City Place) is proposed to Briargate Parkway about 1,245 feet east of Wheatland Drive and 1,375 feet west of Sterling Ranch Road. This access will require a deviation to the criteria contained in the El Paso County Engineering Criteria Manual (ECM). The Briargate Parkway-Stapleton Road Corridor Study Appendix D: Access Control Plan shows the access locations and intersection access restrictions along Briargate Parkway between Black Forest Road and Meridian Road. This deviation request is being made as part of the application for Sterling Ranch East Filing No. 1 but will be required by the currently-proposed 4-Square at Sterling Ranch East if it develops first. The draft access control plan shows a right-in/right-out access point north and south of Briargate Parkway between Wheatland Drive and Sterling Ranch Road. The Master TIS showed two offset three-quarter

As proposed, both will need to develop concurrently because of shared infrastructure
movement (left-in/right-in/right-out only) access points in this general location. A future threequarter movement access to be located 160 feet east of the currently-proposed Boulder City Place would serve the future planned K-8 school parcel located southwest of the intersection of Briargate/Sterling Ranch. The need for this K-8 access was the subject of a comment in the SRE SKP review. Coordinate comment responses.
The currently-proposed filing was included in the Sterling Ranch Master TIS as Traffic Analysis Zone (TAZ) 19. Traffic projected to be generated by land uses within this zone was included as part of the short-term background traffic volumes in the Sterling Ranch East Phase 1 TIS. The land use and access currently proposed are consistent with what was assumed in the Master TIS and the Sterling Ranch East Phase 1 TIS.

## Intersection Sight Distance

Figure 4a shows a sight-distance analysis at the proposed intersection of Idaho Falls/Sterling Ranch and the two access points to Oak Park Drive. Based on a design speed of 40 miles per hour (mph) and the criteria contained in Table 2-21 of the Engineering Criteria Manual (ECM), the required intersection sight distance at the future intersections is 445 feet. As shown in Figure 4a, the proposed intersections to Sterling Ranch Road and Idaho Falls Drive will meet the criteria.

Figure 4b shows a sight-distance analysis at the proposed three-quarter movement intersection of Boulder City/Briargate. Based on a design speed of 50 miles per hour ( mph ) and the criteria contained in Table 2-21 of the Engineering Criteria Manual (ECM), the required intersection sight distance at the future intersection is 55 feet. As shown in Figures 4b, the proposed intersection will meet the criteria.

## Pedestrian and Bicycle Analysis

Address internal sight distances. Some do not meet the 280' minimum (previous PUDSP redline)

Figure 2 also shows the location of all planned trails and sidewalks in the vicinity of the site. Connections are also proposed to the planned future Sand Creek Regional Trail (west of Dines Boulevard), as shown in the attached map.

A detached sidewalk will be provided along the west side of Sterling Ranch Road. The multi-use paved shoulder on Sterling Ranch Road will accommodate bicycles.

There are no existing schools within two miles of the site, however, a K-8 school is planned southwest of the future intersection of Briargate/Sterling Ranch Road and two elementary schools are planned east of Sterling Ranch Road. A school crossing will likely be needed at the intersection of Sterling Ranch Road/Briargate Parkway. This intersection is planned to be signal controlled in the future.

Per Figure 2, the pedestrian connection from this project to Briargate will occur at Boulder City PI and to Sterling Ranch Rd will occur at Idaho Falls Dr. Is a pedestrian crossing at the Briargate / Sterling Valley signal adequate to provide access to the K-8 school, or should alternate pedestrian routes be considered?

Address recommendations for
pedestrian refuge islands where
applicable per ECM 2.5.6.G-J.

## Safety Analysis

Most of the roadways in the vicinity of the site have not yet been constructed. The Colorado State Patrol (CSP) provided LSC with crash history data for Vollmer Road between Tahiti Drive and Burgess Road from September 2019 through September 2022. During the reported time period, there were twelve reported crashes. Of the twelve reports, ten were single-vehicle non-intersection-related crashes on Vollmer Road. One crash involved a southbound vehicle that turned right onto Poco Road and crashed into several cars parked on Poco Road partially in the lane. The only intersection related crash occurred in June 2022. A vehicle heading northbound on Vollmer Road was slowing to turn left at Lochwinnoch Road and the vehicle behind them attempted to pass on the left side. The crash history data has been attached.

## TRIP GENERATION

4-Square at Sterling Ranch East site-generated vehicle trips have been estimated using the nationally-published trip-generation rates from Trip Generation, 11th Edition, 2021 by the Institute of Transportation Engineers (ITE). Table 1 shows the trip-generation estimate. The trip-generation estimate is consistent with the estimate assumed in the Sterling Ranch Master TIS and the Sterling Ranch East Phase 1 TIS for the same parcels.

The Villages at Sterling Ranch East is expected to generate 1,490 vehicle trips on the average weekday, with about half entering and half exiting the site during a 24 -hour period. During the morning peak hour, which generally occurs for one hour between 6:30 and 8:30 a.m., about 29 vehicles would enter and 82 vehicles would exit the site. During the afternoon peak hour, which generally occurs for one hour between 4:15 and 6:15 p.m., about 94 vehicles would enter and 55 vehicles would exit the site.

## TRIP DISTRIBUTION AND ASSIGNMENT

When the distribution percentages from Figure 8 of the Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIA are applied to the new, external trip-generation estimates (from Table 1), the resulting site-generated traffic volumes can be determined. Figures 5 a and $5 b$ show the short-term residential site-generated traffic volumes. These volumes assume only the street network shown in Figure 3.

## TOTAL TRAFFIC VOLUMES AND LEVELS OF SERVICE

Please refer to the short-term and 2042 peak-hour traffic-volume projections and level of service analysis shown in Figures 14c and 15c of the Sterling Ranch East Phase 1 Rezoning \& Preliminary Plan TIS. The proposed land use and access is in compliance with the Sterling Ranch Master TIS and Sterling Ranch East Phase 1 Preliminary Plan TIS. As such, there are no changes to these projected volumes or level of service results. Total traffic may need to be updated per response to land use comment on page 2.

## SIGNAL WARRANT THRESHOLD ANALYSIS - AM AND PM PEAK HOURS

The intersections of Marksheffel/Vollmer and Marksheffel/Sterling Ranch were analyzed to determine if the thresholds for Four-Hour and/or Eight-Hour Vehicular-Volume Traffic-Signal Warrant thresholds would be reached or exceeded, based on the projected short-term traffic volumes.


The volumes shown are based on the following:

- The short-term background traffic volumes taken from Figure 6b of the Sterling Ranch East Phase 1 TIS,
- The Sterling Ranch East Filing No. 1 site-generated traffic volumes taken from the traffic memo for that subdivision filing.,
- The Villages at Sterling Ranch East site-generated traffic volumes from our current work for the traffic memo for that subdivision,
- The 4-Square at Sterling Ranch East site-generated traffic volumes shown in Figure 5b of this memorandum.

The off-peak-hour volumes are estimates by LSC based on the peak-hour traffic volumes, 72-hour machine counts conducted by LSC on Vollmer Road in November 2020, and vehicle time-of-day distribution data for single-family homes published by the Institute of Transportation Engineers. Vehicle time-of-day distribution data may need to be

## Marksheffel/Vollmer

 updated per response to land use comment on page 2.Table 2 shows the results of the analysis for the intersection of Marksheffel/Vollmer. As shown in Table 2, in the short-term only, five of the hours analyzed are projected to meet the thresholds for an Eight-Hour Vehicular-Volume Traffic-Signal Warrant and none of the hours analyzed are projected to meet the thresholds for a Four-Hour Vehicular Volume Traffic Signal Warrant. This analysis indicates that traffic-signal warrant(s) will likely not be met at the intersection of Marksheffel/Vollmer with buildout of Sterling Ranch East Filing 1, the Villages at Sterling Ranch East, and 4-Square at Sterling Ranch East.

## Marksheffel/Sterling Ranch

Table 3 shows the results of the analysis for the intersection of Marksheffel/Sterling Ranch. As shown in Table 3, in the short-term, eight of the hours analyzed are projected to meet the thresholds for an Eight-Hour Vehicular-Volume Traffic-Signal Warrant. Twelve of the hours analyzed are projected to meet the thresholds for a Four-Hour Vehicular-Volume Traffic-Signal Warrant.

This analysis indicates that the Eight-Hour and Four-Hour Vehicular Volume traffic-signal warrant(s) may be met at the intersection of Marksheffel/Sterling Ranch with buildout of Sterling Ranch East Filing 1, the Villages at Sterling Ranch East, and 4-Square at Sterling Ranch East. LSC recommends at least eight hours of traffic count volume data be collected at the intersections

Marksheffel/Sterling Ranch following completion of Marksheffel Road between Vollmer Road and Woodmen Road, which is planned to be done in 2023. Once the traffic data is completed, traffic-signal warrant analysis can be reanalyzed based on the existing conditions at that time. The decision to require a signal to be installed rests with the County.

## SUBDIVISION STREET CLASSIFICATIONS

All of the internal streets within 4-Square at Sterling Ranch East should be classified as Urban Local. Figure 6 shows the recommended street classifications for the internal streets and the streets in the vicinity of the site. Please provide text or figure outlining types and locations of intersection control (stop, yield, roundabout, etc.) at internal street intersections.

## DEVIATON REQUESTS

The following deviation requests to the criteria contained in the El Paso County Engineering Criteria Manual (ECM) was requested from the intersection spacing requirements for the proposed three-quarter movement intersection of Boulder City/Briargate as part of the Sterling Ranch East Filing No. 1. Approvak-of that reequelst will also be heeded for thelcurrently-proposed
4-squarelat Sterling Ranch East. No other deviation requests are anticipated.

## ROADWAY IMPROVEMENTS

Tables 5 and 6 from the Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIS contained a summary of needed improvements and recommendations for auxiliary turn-lane lengths. Copies of these tables have been attached with the improvements needed either prior to or with 4-Square at Sterling Ranch East highlighted. Needed improvements and auxiliary turn lane lengths may need to be updated per ROADWAY IMPROVEMENT FEE PROGRAM response to land use comment on page 2.

This project will be required to participate in the El Paso County Road Improvement Fee Program. 4-Square at Sterling Ranch East Filing will join the five-mil PID. The 2019 five-mil PID building permit fee portion associated with this option is $\$ 2,527$ per single-family dwelling unit. Based on 158 lots, the total building permit fee would be $\$ 399,266$. Note: program fees are subject to change.

The per-unit fee may need to be updated per response to land use comment on page 2.

Please contact me if you have any questions regarding this report.
Respectfully Submitted, LSC TRANSPORTATION CONSULTANTS, INC.

By: Jeffrey C. Hodsdon, P.E. Principal

JCH/KDF:jas
Enclosures: Tables 1-3
Figures 1-6
Tables 5 and 6 from Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIS with notes by LSC

Tables

Update per response to the comment on page 2 about anticipated land use




Figures






Figure 4a
Sight Distance Analysis Sterling Ranch Road/Idaho Falls Drive





## Additional Attachments

Tables 5 and 6 from Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIS with notes by LSC

Source: Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIS, November 17, 2022. With notes for Sterling Ranch East Filings 1A and 1 and FourSquare at Sterling Ranch East by LSC 11/17/2022


Source: Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIS, November 17, 2022. Improvements needed prior to FourSquare at Sterling Ranch East have been highlighted in green. Improvements needed with Sterling Ranch Filing 1 or 1A have been highlighted in yellow. Improvements needed with FourSquare Sterling Ranch East as noted in text boxes with pointer

Table 6

## Roadway Segment Improvements

## Sterling Ranch East Phase 1 Preliminary Plan

| ID <br> ID <br> (1) <br> (See Figure <br> 16 for map) | (Page 1 of 2) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Improvement Description | Timing | $\begin{gathered} \text { Design ADT } \\ \text { (vpd) } \end{gathered}$ | Projected 2042 ADT (vpd) | Responsibility |
| V1 <br> northbound | Restriping the $38^{\prime}$ of pavement for two $11^{\prime}$ southbound lanes (remove the bike lane), a $12^{\prime}$ northbound lane and a $4{ }^{\prime}$ outside paved shoulder along the east edge ${ }^{(2)}$ <br> (Pending City Traffic Engineering Approval) | With Sterling Ranch Filing No. 4 | $\begin{gathered} 5,500 \\ \text { (Directional } \\ \text { northbound) } \end{gathered}$ | 13,080 | Sterling Ranch |
| V1 <br> southbound |  |  | $10,000$ <br> (Directional southbound) |  |  |
| V1 | Improve Vollmer Road between Dry Needle Place and the Sterling Ranch south boundary to a standard 4-Lane Urban Minor Arterial Cross Section (Add a second northbound through lane and painted center median) ${ }^{(2)}$ | Intermediate-Term Future | 20,000 |  | Sterling Ranch, if necessary prior to construction by Others |
| V2 | Improve Vollmer Road between the Sterling Ranch south boundary to Lochwinnoch Lane/Sterling property boundary to a standard 4-Lane Urban Minor Arterial Cross Section ${ }^{(2)}$ |  | $\begin{gathered} \text { 20,000 } \\ \text { (Note: Existing } \\ \text { Capacity } \left.8,000{ }^{(3)}\right) \end{gathered}$ | 14,385 | Sterling Ranch |
| V3 | Short Term: Improve Vollmer Road from Lochwinnoch Lane to Sterling Ranch boundary (northeast of Glider Loop) to provide $36^{\prime}$ of pavement (existing pavement 1 approx. $23.38^{\prime}$ ) and stripe for one through lane and plus a $6^{\prime}$ paved, striped outside shoulder in each direction ${ }^{(2)}$ | Short-Term Future (With Homestead North) | 11,000 (Note: Existing Capacity 8,000 ) | 15,040 | Sterling Ranch |
|  | Long Term: Improve Vollmer Road from Lochwinnoch Lane to Sterling Ranch boundary (northeast of Glider Loop) to a standard 4-Lane Urban Minor Arterial Cross Section ${ }^{(2)}$ | Long-Term Future | 20,000 |  | By others - pursuant to the recent development agreement between Sterling Ranch and EPC. |
| V4 | Improve Vollmer Road from Sterling Ranch boundary (northeast of Glider Loop) to Briargate Parkway to a standard 4Lane Urban Minor Arterial Cross Section ${ }^{(2)}$ | Sections V4, V5, V6 to be constructed by May 2024 | 20,000 | 14,495 | Sterling Ranch |
| V5 | Improve Vollmer Road from Briargate Parkway to Jane Kirkham Drive to a standard 4-Lane Urban Minor Arterial Cross Section | Sections V4, V5, v6 to be constructed by May 2024 | 20,000 | 11,690 | Sterling Ranch |
| V6 | Improve Vollmer Road from Jane Kirkham Drive to Sam Bass Drive to a standard 4-Lane Urban Minor Arterial Cross Section ${ }^{(2)}$ | Short-Term Future- May 2024 <br> Sections V4, V5, v6 to be constructed by May 2024 | 20,000 | 11,425 | Sterling Ranch |
| V7 | Improve Vollmer Road between Sam Bass Drive and Poco Road to a 4-lane Urban Minor Arterial but with necessary lane transitions, redirect tapers, etc. south of Poco to adequately transition between the 4-Lane Urban Minor Arterial Cross Section and the 2-Lane Rural Arterial Cross Section north of Poco Road. | Sections V4, V5, v6 to be constructed by May 2024 | 20,000 | 9,920 | Sterling Ranch |
| V8 | Improve Vollmer Road from Poco Road to Shoup Road to a Rural 2-Lane Arterial Cross Section ${ }^{(2)}$ | Long-Term Future | 10,000 | 8,760 | El Paso County Project ID U-12 |
| Part 1/2 of this table (see Part 2 on next page) Notes: |  |  |  |  |  |
| (1) See Figure 10 |  |  |  |  |  |
|  40 mile per hour is 20:1 |  |  |  |  |  |
| (3) Source: Table 20 Road Impact Fee Study Updated November 16, 2016 |  |  |  |  |  |
| Source: LSC Transportation Consultants, Inc. (November 22, 2022) |  |  |  |  |  |

Source: Sterling Ranch East Phase 1 Rezoning and Preliminary Plan TIS, November 17, 2022. Improvements needed prior to FourSquare at Sterling Ranch East have been highlighted in green. Improvements needed with Sterling Ranch Filing 1 or 1A have been highlighted in yellow. Improvements needed with FourSquare Sterling Ranch East as noted in text boxes with pointer.

Table 6

## Roadway Segment Improvements $\quad$ With 4-Square Sterling Ranch East Phase 1 Preliminary Plan

 at SRE| quare Ster | erling Ranch East Phase 1 Pre | iminary Plan |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | (Page 2 of 2) |  |  |  |  |
| Segment ID ${ }^{(1)}$ <br> (See Figure 16 for map) | Improvement Description | Timing | Design ADT (vpd) | Projected 2042 ADT (vpd) | Responsibility |
| SR1 | Construct Sterling Ranch Road as an Urban Non-Residential Collector from Marksheffel Road to Dines Boulevard | Short Term - with Sterling Ranch Fil No. 2 | 20,000 | 14,840 | Sterling Ranch |
| SR2 | Construct Sterling Ranch Road as an Urban Non-Residential Collector from Dines Boulevard to Briargate Parkway | Short-Term - with this Preliminary Plan | 20,000 | 10,275 | Sterling Ranch |
| SR3 | Construct Sterling Ranch Road as an Urban Collector from Briargate Parkway to Vancouver Street. | Short-Term - with this Preliminary Plan | 10,000 | 9,300 | Sterling Ranch |
| SR4 | Construct Sterling Ranch Road from Vancouver Street north to Arroya (or ultimate north terminus) | Long-Term Future | 10,000 | 4,260 | Sterling Ranch |
| M1 | Construct Marksheffel Road as an Urban Principal Arterial to City of Colorado Springs standards in 107' of right-of-way Detween Vollmer Road and Sterling Ranch Road | To be completed by the end of 2022 | 40,000 | 23,935 | Sterling Ranch |
| M2 | Construct Marksheffel Road as an Urban Principal Arterial to City of Colorado Springs standards in 107' of right-of-way between Sterling Ranch Road and the south boundary of the Sterling Ranch Master Plan Area. <br> 10/16/2022 NOTE: With the completion of M2 in 2023, the connection between Vollmer and Woodmen Road (via M3) will be completed. | To be completed in 2023 | 40,000 | 29,600 | Sterling Ranch |
| M3 | Construct Marksheffel Road between the south boundary of the Sterling Ranch Master Plan Area and Woodmen Road (Note this segment is located within the City of Colorado Springs) <br> 10/16/2022 NOTE: With the completion of M2 in 2023, the connection between Vollmer and Woodmen Road (via M3) will be completed. | Completed (by Others) | 40,000 | 28,480 | Others (Completed) |
| M4 | Construct Marksheffel Road between Black Forest Road and Vollmer Road | Long-Term Future | 40,000 | 27,910 | Others |
| B1 | Construct the full section of Briargate Pkwy (4-Lane Principal Arterial) between Vollmer Road and Wheatland Drive | Full section to be completed in 2023 with Homestead at Sterling Ranch Filing No. 1 | 40,000 | 24,745 | Sterling Ranch |
| B2 | Construct Briargate Pkwy (full section) as a 4-Lane Principal Arterial between Wheatland Dr and Sterling Ranch Road | Full section to be completed in 2023 or Spring 2024 | 40,000 | 26,375 | Sterling Ranch |
| B3 | Construct Briargate Pkwy as a 4-Lane Principal Arterial between Sterling Ranch Road and Banning Lewis Parkway | Intermediate Term | 40,000 | 20,935 | Sterling Ranch |
| B4 | Construct Stapleton Road as a 4-Lane Principal Arterial between Banning Lewis Parkway and Meridian Road (including upgrade of existing rural two-lane segment between Towner and Meridian) | LDng-Term Future | 40,000 | 17,945 | Others |
| B5 | Construct Briargate Pkwy as a 4-Lane Principal Arterial between its current terminus and Black Forest Road and between Black Forest Road and Vollmer Road | Long-Xerm Future | 40,000 | 23,320 | Others |
| BL1 | Construct Banning Lewis Parkway as a 4-Lane Principal Arterial between the south Sterling Ranch boundary and Briargate Pkwy |  | 40,000 | 20,320 | Future- TBD with the future preliminary plan for that areapotentially, financial assurances for half-section, west-side half-section or full-section w/ cost recover may be required |
| BL2 | Construct Banning Lewis Parkway as a 4-Lane Principal Arterial between Woodmen Road and the south Sterling Ranch boundary (Note this segment will be located within the City of Colorado Springs) | Long-Term Future | 40,000 | 28,480 | Others |
| W1 | Widen Woodmen Road from 4-lane to 6-lane section from Powers Boulevard to US 24 | Long-Term Future | 72,000 | 66,690 | Others |
| Part 2/2 of this table Notes: |  |  |  |  |  |
| (1) See Figure 10 |  |  |  |  |  |
| (2) Adequate transition/redirect tapers would be needed between the various cross sections on Vollmer Road. Based on the criteria contained in Table 2-29 of the El Paso Engineering Criteria Mander 40 mile per hour is $20: 1$ |  |  | appropria | taper ratio | a roadway with a design speed of |
| (3) Source: Table 20 Road Impact Fee Study Updated November 16, 2016 |  |  |  |  |  |
| Source: LSC Transportation Consultants, Inc. (November 22, 2022) |  |  |  |  |  |

From Briargate Parkway to Idaho Falls Dr with 4-Square at SRE. From Idaho Falls Dr to Vancouver St with future SRE filings.

