EL DORADO COUNTY PLANNING \& BUILDING DEPARTMENT

2850 Fairlane Court, Placerville, CA 95667<br>Phone (530) 621-5355, Fax (530) 642-0508

Date: January 5, 2022
To: Planning Commissioners
From: Matthew Aselage, Assistant Planner

## Subject: Appeal Filed, DR-A21-0004, of Staff Level Approval of Design Review Permit, DR20-0009 (Bean Barn Drive-Thru Coffee Shop)

## Recommendation

Based on analysis of Design Review Permit, DR20-0009, staff recommends the Planning Commission deny the Appeal and uphold the Staff Level approval of Design Review Permit DR20-0009.

## Alternative Action

Grant the appeal by Jim Dillingham (DR-A21-0004), deny Design Review Permit, DR20-0009, and instruct staff to return with Findings for Denial.

## Background

A Design Review Permit, DR20-0009, was submitted on December 14, 2020 for a request to allow the construction and operation of a new 360-square-foot commercial structure to be used as a drive-thru Bean Barn coffee shop on a currently vacant property zoned for commercial use. The project includes a garbage and storage enclosure and associated improvements for landscaping, lighting, and parking. The 0.61-acre property is located on the southeast corner at the intersection of Cameron Park Drive and Mira Loma Drive in the Cameron Park Community Region. The parcel is identified as Assessor's Parcel Number (APN) 083-132-001, has a Zoning Designation of Limited Commercial within the Design Review Community Combining Zone (CLDC), and a General Plan land use designation of Commercial (C). The CL-DC zone allows for drive-thru and beverage/retail sales uses by right on this parcel, subject to design review. In accordance with the California Environmental Quality Act (CEQA) Guidelines, the project was found to be Categorically Exempt from CEQA pursuant to Section 15303 (New Construction or Conversion of Small Structures).

The project was processed in accordance with the authorizations of the El Dorado County Zoning Code Section 130.52 .030 (Design Review Permit), and tentatively approved, subject to the standards found in Title 130, Article 5, Section 130.50.040 (General Review Procedure), as a Staff Level Review with Public Notice. As stated in the Public Notice, the decision to approve the project may be appealed to the Planning Commission by filing an appeal application and applicable fees to the County of El Dorado Planning and Building Department within the 10-
working-day appeal period; starting on date of approval December 8, 2021 ending at 5 pm on December 22, 2021.

## Appeal Filed

On December 22, 2021 an appeal was timely filed by Jim Dillingham. Concerns expressed by Mr . Dillingham include stormwater runoff, traffic generation and circulation, frontage improvements, on-site improvements, completion of a rare plant survey, future development, and noticing of Cameron Park Design Review Committee (CPDRC) meetings. Pursuant to Zoning Code 130.52.090 - Appeals, a Planning Director-Staff Level decision is appealable to the Planning Commission. The appeal, DR-A21-0004, is scheduled for the January 27, 2022 Planning Commission meeting.

## Staff Response

Stormwater: The appellant requested that the project address current onsite drainage and meet stormwater capture requirements. During the Technical Advisory Committee (TAC) review, comments concerning stormwater drainage were submitted by Amy Phillips, County Storm Water Coordinator, on February 23, 2021. The project has been conditioned to comply with the requirements of the State of California Phase II Municipal Separate Storm Sewer System (MS4) Permit of which the County's post construction water quality requirements follow those outlined in MS4 Permit Section E.12.

Traffic/Circulation and Frontage Improvements: The appellant requested that the traffic study evaluate project-related effects on westbound wait time at the intersection of Mira Loma Drive and Cameron Park Drive and potential traffic spillage of the queuing line onto Mira Loma Drive. The project was required to submit a Traffic Impact Analysis or Study (TIA/S). A TIA was completed by KD Anderson \& Associates on December 14, 2020 (attached). The inclusion of a new traffic signal requires the project result in traffic increases that would raise Level of Service (LOS) impacts to the next, more impactful LOS threshold. Based upon El Dorado County Department of Transportation's (DOT) review of the TIA, the Bean Barn would increase the delay at the westbound (Mira Loma) approach from the existing 39.9 seconds to 46.1 seconds. Including additional traffic associated with Bean Barn operations, the LOS would remain at the existing LOS E. More specifically, the delay and volume threshold is met only for the peak hour times of day which typically include increased traffic such as rush hour. However, the normal eight-hour and four-hour warrants have not yet been met. Additionally, the project includes an excess of space which will allow approximately nine vehicles to queue on site. The project has been conditioned to enter into a deferred frontage agreement with the DOT for improvements along Cameron Park Drive and Mira Loma Drive. These improvements will include asphalt concrete dike on Mira Loma Drive and portland cement concrete curb, gutter, and sidewalk on Cameron Park Drive.

Onsite Improvements: The project includes limited drive-thru building attached signage as well as one (1) freestanding sign near the intersection between Mira Loma Drive and Cameron Park Drive. There will be a company art piece on one side of the drive-thru window and a menu board on the other side of the drive-thru window. These are the only proposed signs associated with the project. As menu boards are allowed by right up to a maximum sign area of 60 -squarefeet, with no individual sign being greater than 30 -square-feet of sign area. The two (2) drivethru signs proposed do not exceed these development standards. The proposed freestanding sign will include a total area - including sign area and base support - of 50 -square-feet. As the maximum sign area allowed along the primary frontage for a single establishment within the CL
zone district is 50 -square-feet, this proposed sign is compliant with applicable development standards. Additionally, the drive-thru sign area does not count towards the 50 -square-foot maximum.

The project will include outdoor lighting which has been conditioned to not result in additional off-site glare impacts. Given site plan changes resulting from CPDRC comments, exact locations of lighting will be included within the building permit submission. Outdoor lighting will be reviewed for compliance during the plan check process.

Rare Plant Survey: The appellant requested that the project materials include a rare plant survey and that the project comply with rare plant requirements. A Botanical Survey Report (BSR) was completed on August 18, 2020 by Sycamore Environmental Consultants, Inc. (attached). Per the BSR, no special status plant species were found on the project site during a botanical survey conducted on July 20, 2020. The BSR indicates that the site has been leveled at least once since 2002 (18 years ago). As such, the BSR did not indicate that any mitigation was required. Because the site is located within the County's Rare Plant Mitigation Area 1, the project would be subject to payment of the appropriate in lieu fee.

Future Development: The appellant requested that any proposed commercial uses other than the Bean Barn be included in the evaluation. Initial project plans included a future commercial pad. That feature was removed from the requested entitlement by the applicant. Any development sought that is outside the scope of the project as described in the Staff Report and associated exhibits would require an application for a revision to this Design Review Permit (Design Review Permit, DR20-0009).

Cameron Park Design Review Committee Meetings: The appellant expressed disappointment that he had not been invited to the CPDRC meeting when the project was on their agenda. The CPDRC website identifies that the committee meets every fourth Monday of each month at Fire Station \#89 in Cameron Park. In addition to maintaining regularly scheduled meetings, the CPDRC meeting agendas are posted at least a week in advance of each meeting. Individual meeting notices are not mailed prior to CPDRC meetings; however, interested parties are able to sign up for an email subscription via the CPDRC website to receive agendas automatically.

## Staff Conclusion

Planning staff reviewed the application for a Design Review Permit (DR20-0009) and determined it to be in conformance with established County regulations and Design Review considerations including stormwater runoff, traffic generation and circulation, frontage improvements, on-site improvements, completion of a rare plant survey, future development, and noticing of CPDRC meetings. The project has been sufficiently reviewed pursuant to the County's Design Review Permit requirements, CEQA, and has been conditioned to conform to various agency and departmental requirements, as well as to address the CPDRC's comments. Based on this analysis, staff recommends the Planning Commission deny the Appeal and uphold the Staff Level approval.

Enclosures: (135 pages total)
Appeal Form, DR-A21-0004 (4 pages)
Botanical Survey Report (39 pages)
Traffic Impact Analysis (92 pages)

File Number: $\int R-A 21-0004$
Date Received: $12 / 2012021$

Receipt No.: E11203
Amount: $\$ 239$.

## APPEAL FORM

(For more information, see Section 130.62:090 of the Zoning Ordinance)
Appeals must be submitted to the Planning Department with appropriate appeal fee. Please see fee schedule or contact the Planning Department for appeal fee information.
$\qquad$
DAYTIME TELEPHONE 530677.0900

A letter from the Appellant authorizing the Agent to act in his/her behalf must be submitted with this appeal.

AGENT $\qquad$
ADDRESS $\qquad$
DAYTIME TELEPHONE $\qquad$ APPEAL BEING MADE TO: Board of Supervisors Planning Commission

ACTION BEING APPEALED (Please specify the action being appealed, ie., approval of an application, denial of an application, conditions of approval, etc.; and specific reasons for appeal. If appealing conditions of approval, please attach copy of conditions and specify appeal.)


## Bean Barn Appeal Follow-Up

jdillingham@dz-engineering.com [jdillingham@dz-engineering.com](mailto:jdillingham@dz-engineering.com)
Tue, Dec 28, 2021 at 12:24 PM
To: Matthew Aselage [matthew.aselage@edcgov.us](mailto:matthew.aselage@edcgov.us)
Cc: Dave Spiegelberg [dave.spiegelberg@edcgov.us](mailto:dave.spiegelberg@edcgov.us), Dani Dillingham [ddillingham@dz-engineering.com](mailto:ddillingham@dz-engineering.com)

Hi Mathew,

Thank you for checking in.

The reason for my appeal is to make sure the design accounts for design review athletics for both the small shack and the future proposed office building. Also it needs to address the current drainage problems on the lot plus comply with the storage requirements for storm water capture so the current drainage mess does not become worse. It is a mess in from of that property every time it storms. Because I have had to comply with the rare plant requirements on my projects and this project falls into the rare plant survey requirements I would expect this survey to be completed and reviewed by the county similar to what happens to all commercial lots and for me also it has been residential lots. I would also like the traffic study to account for the traffic line and see if it would spill out onto the road creating a dangerous situation at the intersection. I would also like to have the traffic study analyze the effects of the project on traffic turning left onto Cameron Park drive from Mira Loma going North. I think this would show the longest wait time at the intersection. I can wait there for a good 5 minutes at times to turn left to go towards Green Valley Road.

I would expect to see site improvements that included sidewalk curb and gutter plus lighting and a signage that follows sign guidelines and is reviewed by design review. These are standard items for a commercial development. If the future office building is part of the approval I expect this to go to the planning commission for final approval instead of the pathway its currently on. This is a significant corner and should be properly vetted to make sure the development improves the location with a properly designed site.

Let me know if you can share the proposed design documents with me so I can see if these items have been addressed. If I had been invited to the design review for the project I would have brought up all these above concerns. I wish I did not have to do this appeal process but I feel like I was blindsided by the rush to administratively approve this.

Thanks,

Jim Dillingham, P.E.

D\&Z Engineering
3389 Mira Loma Drive

Cameron Park, CA 95682

530-677-0900
www.dz-engineering.com
[Quoted text hidden]
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strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments.


Date Paid: Wednesday, December 22, 2021
Paid By: Jim Dillingham

## Cashier: EPRS

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You can check the status of your case/permit/project using our online portal etrakit https://edc-trk.aspgov.com/etrakit/
Your local Fire District may have its' own series of inspection requirements for your permit/project. Please contact them for further information. Fire District inspections (where required) must be approved prior to calling for a frame and final inspection through the building department.

Due to the large number of structures destroyed in the Caldor Fire, it is anticipated that there will be a large number of applications for building permits in the burn area after fire debris and hazardous materials have been cleaned up. Building permits in the Caldor Fire area will not be issued until after a property has been cleared of fire debris and hazardous materials as a result of the Caldor Fire. Even if a property has been cleared of fire debris and hazardous materials or never had any fire debris and hazardous materials, it does not mean that there are no other health hazards or dangers on the property, including dangers resulting from fire-damaged or hazard trees. Property owners and residents must do their own investigation to determine whether there are any other health hazards or dangers on the property. The issuance of a building permit for the property does not accomplish this task. A building permit is a ministerial action requiring only limited review by the County to ensure that the structure meets all applicable building standards. In most zones, an individual is allowed by right to construct a residence after receiving a building permit that only requires conformity to building standards. The building permit is issued based on information supplied by the applicant without independent investigation by the County of the property or potential health hazards or dangers. Given the limited scope of enforcement, it is not possible for the County to identify potential health hazards or dangers that are not directly associated with the permitted structure. The applicant is in a position to inspect the property, identify potential health hazards or dangers, and tailor the application to avoid any potential health hazards or dangers.

# Botanical Survey Report 

for
Bean Barn 3 Project
El Dorado County, CA


Prepared by:
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Prepared for:
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18 August 2020
Botanical Survey ReportforBean Barn 3 ProjectEl Dorado County, CA
Table of Contents
SUMMARY OF FINDINGS AND CONCLUSIONS ..... 1
I. INTRODUCTION ..... 1
A. Purpose of Report ..... 1
B. Project Location ..... 1
C. Project Applicant ..... 1
D. Project Engineer ..... 1
E. Project Description ..... 1
II. STUDY METHODS ..... 5
A. Studies Conducted ..... 5
B. Literature and Database Review ..... 5
C. Field Survey Methods ..... 6

1. Survey Dates and Personnel ..... 6
2. Weather Conditions ..... 6
3. Botanical Survey ..... 6
D. Mapping ..... 6
E. Problems Encountered and Limitations That May Influence Results ..... 6
F. The Existing Level of Disturbance ..... 8
III. BIOLOGICAL RESOURCES IN STUDY AREA. ..... 9
A. Wetlands and Waters of the U.S ..... 9
B. Determination of Special-Status Species and Communities in the Study Area .....  9
C. Evaluation of Special-Status Plants ..... 10
IV. LITERATURE CITED ..... 14
V. PREPARERS ..... 15
Figures
Figure 1. Project Location Map ..... 2
Figure 2. Aerial Photo ..... 3
Figure 3. Soils Map ..... 4
Figure 4. Botanical Resources Map ..... 7
Tables
Table 1. USGS Quads Evaluated for the Bean Barn 3 Project. ..... 5
Table 2. Special-status Plant Species ..... 9
Appendices
Appendix A. Database Queries (USFWS; CNDDB; CNPS)
Appendix B. Plant Species Observed
Appendix C. Photographs

## SUMMARY OF FINDINGS AND CONCLUSIONS

The 0.61-acre, Bean Barn 3 Project occurs in Cameron Park, El Dorado County, CA, at the SE corner of Cameron Park Drive and Mira Loma Drive. The Project engineer provided the study area boundary. This area was used as the Biological Study Area (BSA).

The BSA occurs in El Dorado County Rare Plant Mitigation Area 1, which includes areas of gabbro soils that may support Pine Hill plants. Protocol botanical surveys were conducted 20 July 2020. No special-status plant species were found in the BSA during the survey.

No sensitive biological communities occur in the BSA. Four oak trees occur in the BSA. The Applicant has stated that the Project will not result in oak tree removal. Sixty-five species were identified in the BSA; $22(34 \%)$ native and $43(66 \%)$ nonnative.

## I. INTRODUCTION

## A. Purpose of Report

This Botanical Survey Report responds to the Applicant's request to conduct a botanical survey of the Project site. This report does not analyze impacts or propose mitigation measures.

## B. Project Location

The 0.61 -acre BSA is located in unincorporated El Dorado County on the Shingle Springs USGS topographic quad. Figure 1 is a Project Location Map based on the USGS quad (T10N, R9E, Section 33). Figure 2 is an aerial photograph of the BSA and the surrounding area, with nearby roads labeled. The Project is assessor's parcel number (APN) 083-132-001. The BSA is in the Upper Cosumnes River Watershed (Hydrologic Unit Code 18040013. Its centroid is $38^{\circ} 41^{\prime} 4.55^{\prime \prime}$ north, $120^{\circ} 59^{\prime} 7.11^{\prime \prime}$ west ( 1983 NAD, UTM Zone 10 North). The BSA occurs on gabbro soils of the Rescue soils series ( RfC ). Figure 3 shows the BSA location on a soils map.

## C. Project Applicant

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PO Box 632
Diamond Springs, CA 95619
Phone: 530-919-1069

## D. Project Engineer

Lebeck Engineering, Inc.
3430 Robin Lane, Bldg. \# 2
Cameron Park, CA 95682
Office: (530) 677-4080

## E. Project Description

The Applicant intends to create a drive-through coffee shop.




## II. STUDY METHODS

## A. Studies Conducted

An evaluation of biological resources was conducted to determine whether any special-status plant or wildlife species, their habitat, or sensitive habitats occur in the BSA. Data on known special-status species and habitats in the area were obtained from state and federal agencies. A field survey was conducted to determine the habitats present. The field survey and a review of the biology of evaluated species and habitats were used to determine special-status species and sensitive habitats that could occur in the BSA.

Special-status species evaluated in this Report are species listed (or candidate or proposed) under the federal or state endangered species acts, under the California Native Plant Protection Act, as a California species of special concern or fully protected by CDFW, or that are California Rare Plant Rank (CRPR) 1 or 2 (CNPS 2020). This is consistent with special-status species definitions in the El Dorado County General Plan EIR (2004b). Bisbee Peak rush-rose, although a California Rare Plant Rank 3 plant, is included because it is regulated by El Dorado County ordinance (Chapter 17.71).

Special-status natural communities include waters, wetlands, riparian communities, any natural community ranked S1, S2, or S3 by CDFW (2019a), and any community identified as sensitive in the El Dorado County General Plan (2018).

## B. Literature and Database Review

Sycamore Environmental obtained an online list from USFWS that identifies federal-listed species and sensitive habitats that could potentially occur in or be affected by a project in the BSA. The California Natural Diversity Database (CNDDB) and the CNPS Inventory were queried for the Shingle Springs quad and eight surrounding USGS quads to determine known records of special-status species that occur in the vicinity of the BSA. The results of these three database queries are in Appendix A. Table 1 lists the nine USGS quads evaluated.

Table 1. USGS Quads Evaluated for the Bean Barn 3 Project.

| Pilot Hill | Coloma | Garden Valley |
| :---: | :---: | :---: |
| Clarksville | Shingle Springs | Placerville |
| Folsom SE | Latrobe | Fiddletown |

Standard references used for the biology and taxonomy of plants included Baldwin et al., eds. (2012). On-line references included CNPS (2020); CalPhotos (2020); Consortium of California Herbaria (CCH 2020); Jepson eFlora (2020); and Flora of North America (FNA 1993+). References pertaining to natural communities included CDFW (2019b).

Two special-status species lists produced by CDFW were also reviewed: 1) Special Vascular Plants, Bryophytes, and Lichens List (CDFW, January 2020a); and 2) State and Federally Listed Endangered, Threatened, and Rare Plants of California (CDFW, January 2020b).

## C. Field Survey Methods

## 1. Survey Dates and Personnel

R. John Little, Ph.D., Botanist/Biologist, conducted a botanical survey of the BSA on 20 July 2020. Photographs are in Appendix C.

## 2. Weather Conditions

Historic average precipitation for the nearby Placerville gauge from 1 October through 30 June is 38.13 inches (CDEC 2020). From 1 October 2019 through 30 June 2020 the Placerville gauge reported 24.95 inches of precipitation. Precipitation preceding the survey was $65 \%$ of normal at the nearby Placerville Gauge for the period of 1 October 2020 to 30 June 2020. The BSA had below normal hydrologic conditions prior to the survey.

## 3. Botanical Survey

The botanical survey followed survey guidelines of USFWS (2000), CDFW (2018), and CNPS (2001). Except for chaparral sedge (Carex xerophila) and Red Hills soaproot (Chlorogalum grandiflorum), the 2020 survey was conducted during the published blooming period of special-status species with potential to occur in the BSA. Due to its growth habit, chaparral sedge is easily identified without flowers. No Chlorogalum species occur in the BSA. The published blooming times of all other species evaluated state that blooming occurs through July or August. Many annual herbaceous plants and grasses in the BSA were dried out, but were able to be identified based on morphological characters.

The botanical survey was floristic, meaning that every plant taxon found was identified to the taxonomic level necessary to determine rarity and listing status. Plant species observed were either identified on-site or collected and identified later with a microscope and dichotomous keys in Baldwin et al. (2012) and/or Jepson eFlora (2020). Approximately 5 person-hours were spent in the field during the 20 July 2020 survey of the 0.61 -acre BSA. An additional 2 hours were spent keying plants collected on-site. A list of vascular plants observed is in Appendix B. Scientific nomenclature follows Baldwin et al. (2012) or Jepson eFlora (2020).

## D. Mapping

A Trimble Nomad 5, handheld GPS unit coupled to a sub-meter accurate R-1 receiver was used to identify project boundaries. A digital topographic survey of the legal parcel boundary was provided by the Project engineer. GPS data were exported to ArcMap and aligned with the BSA boundary based on common control points taken on existing infrastructure in the engineer's digital topographic survey data. The aerial photograph used as the base for Figure 4 was also aligned based on GPS control points collected in the field. Biological community boundaries were identified based on field notes and aerial photographs. The aerial photo for Figure 4, dated 7 November 2019, WV02 Vivid Maxar Imagery, was downloaded from ESRI ArcGIS World Imagery Basemap layer service.

## E. Problems Encountered and Limitations That May Influence Results

No problems were encountered that would influence the results.


## F. The Existing Level of Disturbance

Based on Google historical photos, the site has been leveled at least since 2002 ( 18 years ago). Client's realtor reported the site was leveled at least 30 years ago (pers. comm. A. Copeland). A narrow band of vegetation 5-10 ft wide along the eastern property boundary is all that remains of native vegetation previously on-site, except for a 30 inch dbh Valley oak near the northern border of the BSA, south of Mira Loma Drive. The eastern property boundary is on average over 10 ft higher than the center of the BSA. The adjacent property south of the BSA is also over 10 ft higher than the center of the BSA. These elevation differences are due to the parcel being leveled. To help support the higher ground south of the BSA and to keep it from slumping into the BSA, the western half of the southern BSA boundary is shored up with a block retaining wall and the northern half with a wood retaining wall. Most of the BSA is periodically disced to remove weeds.

## III. BIOLOGICAL RESOURCES IN STUDY AREA

## A. Wetlands and Waters of the U.S.

No potential wetlands or waters of the U.S. were observed in the BSA.

## B. Determination of Special-Status Species and Communities in the Study Area

Special-status species for which suitable habitat is present in the BSA are listed in Table 2. The BSA is not in the El Dorado County Important Biological Corridor (IBC) or Ecological Preserve overlays (El Dorado County 2004a). The BSA is not in the USFWS recommended preserve area for the gabbro soil (Pine Hill) plants (USFWS August 2002). There are no special-status natural communities in the BSA.

Table 2. Special-status Plant Species with Potential Habitat in the BSA

| Special-Status Species | Common Name | Federal <br> Status * | State Status ${ }^{\text {a }}$ | Source ${ }^{\text {b }}$ | Habitat <br> Present?/ <br> Species <br> Observed? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Balsamorhiza macrolepis var. macrolepis | Big-scale balsamroot | -- | --/ 1B. 3 | 2 | Yes/No |
| Calystegia stebbinsii | Stebbins' morning-glory | E | $\mathrm{E} / \mid \mathrm{B} \cdot 1$ | 1,2 | Yes/No |
| Calystegia vanzuukiae | Van Zuuk's morningglory | -- | --/ 1B. 3 | 2 | Yes/ No |
| Carex xerophila | Chaparral sedge | -- | --1B. 2 | 2 | Yes/No |
| Ceanothus roderickii | Pine Hill ceanothus | E | R/1B.1 | 1,2 | Yes/No |
| Chlorogalum grandiflorum | Red Hills soaproot | -- | --/ 1B. 2 | 2 | Yes/No |
| Crocanthemum suffrutescens | Bisbee Peak rush-rose | -- | --/3.2 | 2 | Yes/No |
| Fremontodendron decumbens | Pine Hill flannelbush | E | R/1B. 2 | 1,2 | Yes/No |
| Galium californicum ssp. sierrae | El Dorado bedstraw | E | $\mathrm{R} / 1 \mathrm{~B} .2$ | 1,2 | Yes/No |
| Packera layneae | Layne's butterweed | T | R/ 1B. 2 | 1,2 | Yes/ No |
| Viburnum ellipticum | Oval-leaved viburnum | -- | --/ 2B. 3 | 2 | Yes/No |
| Wyethia reticulata | El Dorado County mule ears | -- | --/ 1B. 2 | 2 | Yes/No |

[^0]
## C. Evaluation of Special-Status Plants

The BSA is in El Dorado County Rare Plant Mitigation Area 1. Mitigation Areas 0 and 1 include areas of gabbro soils that may support Pine Hill plants. The eight Pine Hill plants are Stebbins' morning-glory, Pine Hill ceanothus, Red Hills soaproot, Pine Hill flannelbush, El Dorado bedstraw, Bisbee Peak rush-rose, Layne's butterweed, and El Dorado County mule ears. None of these species were found in the BSA.

## Big-scale balsamroot (Balsamorhiza macrolepis; syn. Balsamorhiza m. var. macrolepis)

Habitat and Biology: A perennial herb found in chaparral, cismontane woodland, and valley and foothill grassland, sometimes on serpentine soils, from 295 to 5,100 feet. Blooms March through June (CNPS 2020); March through July (Jepson eFlora 2020).
Range: This species is endemic to California. Known from Alameda, Butte, Colusa, El Dorado, Lake, Mariposa, Napa, Placer, Santa Clara, Shasta, Solano, Sonoma, Tehama, and Tuolumne counties (CNPS 2020).
KNown Records: There is one CNDDB record for big-scale balsamroot in the nine-quad area surrounding the BSA. The closest (Occurrence \#14), is about 10.4 miles NW of the BSA on the Pilot quad.
Habitat Present in the BSA: The BSA provides habitat for big-scale balsamroot.
DISCuSSION: Big-scale balsamroot was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Stebbins' morning-glory (Calystegia stebbinsii)

Habitat and biology: A perennial rhizomatous herb found in serpentine or gabbroic soils in chaparral openings and cismontane woodland from 600 to 2,400 feet elevation. Blooms April through July (CNPS 2020; Jepson eFlora 2020).
Range: This species is endemic to CA. Known from El Dorado and Nevada counties (CNPS 2020).
Known Records: There are 8 CNDDB records for Stebbins' morning-glory in the nine-quad area surrounding the BSA. The closest (Occurrence \#6), is about 0.4 mile SE of the BSA.
Habitat Present in the BSA: The BSA provides habitat for Stebbins' morning-glory.
DISCUSSION: Stebbins' morning-glory was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Van Zuuk's morning-glory (Calystegia vanzuukiae)

Habitat and Biology: A perennial rhizomatous herb found in serpentine or gabbroic soils in chaparral and cismontane woodland from 1,640 to 3,870 feet elevation. This species is probably a stabilized hybrid between C. slebbinsii and C. occidentalis ssp. occidentalis (CNPS 2020). Blooms May through August (CNPS 2020).
Range: This species is endemic to CA. Known only from El Dorado and Placer counties (CNPS 2020).

KNown Records: There is one CNDDB record of Van Zuuk's morning-glory in the nine-quad area surrounding the BSA. The closest (Occurrence \#1), is about 15.7 miles NE of the BSA on the Garden Valley quad.
Habitat Present in the BSA: The BSA provides habitat for Van Zuuk's morning-glory. The known range of Van Zuuk's morning-glory does not extend into Cameron Park.
Discussion: Van Zuuk's moming-glory was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Chaparral sedge (Carex xerophila)

Habitat and Biology: Chaparral sedge is a perennial, cespitose herb found on serpentine and gabbro soils in chaparral, cismontane woodland, and lower montane coniferous forest. Occurs in uplands in full sun to partial shade, in open forest or chaparral from 1.475 to 2,525 feet (Zika et al. 2014; CNPS 2020). Blooms March through June (CNPS 2020; Jepson eFlora 2020).
Range: This species is endemic to CA. Known from Butte, El Dorado, Nevada, and Yuba counties (CNPS 2020).
Known Records: There are seven CNDDB records of chaparral sedge in the nine-quad area surrounding the BSA. The closest (Occurrence \#3), is about 0.8 mile NE of the BSA on the Shingle Springs quad.
Habitat Present in the BSA: The BSA provides habitat for chaparral sedge.
DISCussion: Chaparral sedge was not found during the July 2020 botanical survey. Although the published blooming date for this species is March-June, this species is a perennial plant and would have been detected during the survey based on persistent, distinctive foliage.

## Pine Hill ceanothus (Ceanothus roderickii)

Habitat and Biology: A low-growing, perennial, evergreen shrub found in serpentine or gabbroic soils in chaparral and cismontane woodland from 800 to 3,600 feet. Blooms April through June (CNPS 2020); March through June (Jepson eFlora 2020). Pine Hill ceanothus is an evergreen shrub that is evident and identifiable year-round.
Range: This species is endemic to CA. Known only from El Dorado County (CNPS 2020).
Known Records: There are nine CNDDB records for Pine Hill ceanothus in the nine-quad area surrounding the BSA. The closest (Occurrence \#1), is about 0.1 mile SE of the BSA on the Shingle Springs quad.
Habitat Present in the bSA: The BSA provides habitat for Pine Hill ceanothus.
Discussion: Pine Hill ceanothus was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Red Hills soaproot (Chlorogalum grandiflorum)

Habitat and Biology: A perennial bulbiferous herb found in serpentine, gabbroic, and other soils in chaparral, cismontane woodland, and lower montane coniferous forest from 800 to 4,100 feet. Blooms May through June (CNPS 2020; Jepson eFlora 2020).
Range: This species is endemic to CA. Known from Amador, Butte, Calaveras, El Dorado, Placer, and Tuolumne counties (CNPS 2020).
Known Records: There are 14 CNDDB records for Red Hills soaproot in the nine-quad area surrounding the BSA. The closest (Occurrence \#33), is about 0.2 mile SE of the BSA on the Shingle Springs quad.
Habitat Present in the BSA: The BSA provides habitat for Red Hills soaproot.
DIsCussion: Red Hills soaproot was not found during the July 2020 botanical survey. Although the published blooming date for this species is May-June, this species is a perennial plant that would have been detected during the survey based on persistent, distinctive inflorescences.

## Bisbee Peak rush-rose (Crocanthemum suffrutescens)

Habitat and biology: An evergreen shrub found in chaparral from 250 to 2,200 feet. Often found on gabbroic or lone soils; often in burned or disturbed areas in chaparral. Blooms April through August (CNPS 2020); April through June (Jepson eFlora 2020).
Range: This species is endemic to CA. Known from Amador, Calaveras, and El Dorado counties (CNPS 2020).
Known Records: There are 16 CNDDB records for Bisbee Peak rush-rose in the nine-quad area surrounding the BSA. The closest (Occurrence \#22), is about 0.1 mile east of the BSA.
Habitat Present in the BSA: The BSA provides habitat for Bisbee Peak rush-rose.
DIscussion: Bisbee Peak rush-rose was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Pine Hill flannelbush (Fremontodendron decumbens)

Habitat and biology: An evergreen shrub found in rocky areas of serpentine or gabbroic soils in chaparral and cismontane woodland from 1,400 to 2,500 feet. Blooms April through July (CNPS 2020; Jepson eFlora 2020). Pine Hill flannelbush is a perennial evergreen shrub that is evident and identifiable year-round.
Range: This species is endemic to CA. Known from El Dorado, Nevada, and Yuba counties (CNPS 2020.

Known Records: There are seven CNDDB records for Pine Hill flannelbush in the nine-quad area surrounding the BSA. The closest (Occurrence \#12), is about 1.7 miles north of the BSA on the Shingle Spring quad.
Habitat Present in the BSA: The BSA provides habitat for Pine Hill flannelbush.
Discussion: Pine Hill flannelbush was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## El Dorado bedstraw (Galium californicum ssp. sierrae)

Habitat and biology: A low-growing, perennial herb found in gabbroic soils in chaparral, cismontane woodland, and lower montane coniferous forest from 300 to 1,900 feet elevation. Blooms May through June (CNPS 2020); March through July (Jepson eFlora 2020). El Dorado bedstraw is more likely to be found under oak trees and in oak leaf litter, particularly of black oak (BLM 2010).
Range: This species is endemic to CA. Known only from El Dorado County (CNPS 2020).
Known Records: There are 17 CNDDB records for El Dorado bedstraw in the nine-quad area surrounding the BSA. The closest (Occurrence \#8), is about 0.8 mile east of the BSA on the Shingle Springs quad.
Habitat Present in the BSA: The BSA provides habitat for El Dorado bedstraw.
Discussion: El Dorado bedstraw was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Layne's Butterweed (Packera layneae; syn. Senecio Iayneae)

HABITAT AND BIOLOGY: A perennial herb found in rocky areas with serpentine or gabbroic soils in chaparral and cismontane woodland from 650 to 3,560 feet elevation. Blooms April through August (CNPS 2020); April through June (Jepson eFlora 2020).
Range: This species is endemic to CA. Known from El Dorado, Placer, Tuolumne, and Yuba counties (CNPS 2020).

KNown Records: There are 36 CNDDB records for Layne's butterweed in the nine-quad area surrounding the BSA. The closest (Occurrence \#2), is 0.04 mile NW of the BSA on the Shingle Springs quad.
Habitat Present in the BSA: The BSA provides habitat for Layne's butterweed.
DISCUSSION: Layne's butterweed was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## Oval-leaved viburnum (Viburnum ellipticum)

Habitat and Biology: Oval-leaved viburnum is a deciduous shrub found in chaparral, cismontane woodland, and lower montane coniferous forest from 705 to 4,590 feet. It is generally found on northfacing slopes (Baldwin et al. 2012). Blooms May through June (CNPS 2020); June through August (Jepson eFlora 2020).
Range: Alameda, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Lake, Mendocino, Mariposa, Napa, Placer, Shasta, Solano, Sonoma, and Tehama counties (CNPS 2020). Also occurs in Oregon and Washington.
KNown RECORDS: There is one CNDDB record for oval-leaved viburnum in the nine-quad area surrounding the BSA. The closest (Occurrence \#5), is based on two collections, one in 1900 and the other in 1901. This locations is about 9.6 miles NE of the BSA on the Placerville quad. This is the only CNDDB record for oval-leaved viburnum in El Dorado County.
Habitat Present in the BSA: The BSA provides habitat for oval-leaved viburnum.
DISCuSSION: Oval-leaved viburnum was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

## El Dorado County mule ears (Wyethia reticulata)

Habitat and Biology: A perennial rhizomatous herb found in clay or gabbroic soils in chaparral, cismontane woodland, and lower montane coniferous forest from 600 to 2,060 feet. Blooms April through August (CNPS 2020); May through August (Jepson eFlora 2020).
Range: This species is endemic to CA. Known from El Dorado and Yuba counties (CNPS 2020).
KNown Records: There are 25 CNDDB records for El Dorado County mule ears in the nine-quad area surrounding the BSA. The closest (Occurrence \#1) from 2016, is about 0.14 mile SE of the BSA on the Shingle Springs quad.
Habitat Present in the BSA: The BSA provides habitat for El Dorado County mule ears.
DISCUSSION: EI Dorado County mule ears was not found during the July 2020 botanical survey conducted during the evident and identifiable period.

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## V. PREPARERS

R. John Little, Ph.D. Botany, Claremont Graduate School, Claremont, CA. Over 30 years' experience managing and conducting environmental projects involving impact assessment and preparation of numerous NEPA/CEQA compliance documents, Biological Assessments, and Caltrans Natural Environmental Studies. Experience includes conducting special-status plant and wildlife species surveys, jurisdictional wetland delineations, general biological surveys, permitting and biological report preparation. Dr. Little is a trained wetland delineator and an ESA certified Senior Ecologist. He holds a California Department of Fish and Wildlife Rare, Threatened and Endangered Plant Voucher Collecting Permit (2081(a)-16-021-V), and is an authorized individual on the CDFW Scientific Collecting Permit (SC-7617).
Responsibilities: Botanical survey, plant identification, report preparation.
Aramis Respall, GIS Analyst/ CAD Operator. Over 20 years' experience in drafting and spatial analysis using AutoCAD map and ArcGIS for public and private projects. He prepares figures for biological and permitting documents such as project location maps, aerial photograph exhibits, biological resource maps, CNDDB proximity maps, wetlands/waters delineation maps, impact analysis maps, tree location maps and other supporting graphics. Mr. Respall provides geospatial analysis and support for projects involving geodesy, hydrology, watershed studies, project impact analysis, CNDDB species, and critical habitat and mitigation information. Primary experience evolved from conventional surveying and civil engineering practices to advanced GPS and GIS based technology.
Responsibilities: Figure preparation and spatial analysis.

## APPENDIX A.

Database Queries (USFWS; CNDDB; CNPS)

## IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as trust resources) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.
Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) form additional information applicable to the trust resources addressed in that section.


## Local office

Sacramento Fish And Wildlife Office
C. (916) 414-6600

睤 (916) 414-6713
Federal Building 2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

## Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence ( AOI ) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act requires Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed maybe present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/revew, please return to the $\operatorname{IPaC}$ website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species 1 and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries ${ }^{2}$ ).

Species and critical habitats under the sole responsibility of NOAA Fisheries are not shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

1. Species listed under the Endangered Species Act are threatened or endangered; $\mathbb{I P a C}$ also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## Amphibians

NAME
STATUS

California Red-legged Frog Rana draytonii Threatened
There is final critical habitat for this species. Your location is outside the critical habitat.
https://ecos.fws gov/ecp/species/2891

## Fishes

NAME
Delta Smelt Hypomesus transpacificus
There is final critical habitat for this species. Your location is outside the critical habitat.
https://ecos.fws.gov/ecp/species/321

## Flowering Plants

NAME
El Dorado Bedstraw Galium californicum ssp. sierrae
No critical habitat has been designated for this species.
https://ecos.fws gov/ecp/species/5209

Layne's Butterweed Senecio layneae
STATUS
Threatened

No critical habitat has been designated for this species.
https://ecos.fws gov/ecp/species/4062

Pine Hill Ceanothus Ceanothus roderickii Y

Endangered
No critical habitat has been designated for this species. https://ecos.fws gov/ecp/spectesi3293

Pine Hill Flannelbush Fremontodendron californicum ssp. Endangered decumbens

No critical habitat has been designated for this species.
https:/fecos.fws gov/ecp/species/4818

Stebbins' Morning-glory Calystegia stebbinsii
Endangered

No critical habitat has been designated for this species. https://ecos.fws gov/ecp/species/3991

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act ${ }^{1}$ and the Bald and Golden Eagle Protection Act ${ }^{2}$.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/ birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance. conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use younmigratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

## NAME

```
BREEDING SEASON IIFA
BREEDING SEASON IS INDICATED
FOR A BIRD ON YOUR LIST, THE
BIRD MAY BREED IN YOUR
PROJECT AREA SOMETIME WITHIN
THE TIMEFRAME SPECIFIED,
WHICH IS A VERY LIBERAL
ESTIMATE OF THE DATES INSIDE
WHICH THE BIRD BREEDS
ACROSS ITS ENTIRE RANGE.
```

Bald Eagle Haliaeetus leucocephalus
This is not a Bird of Conservation Concern ( BCC ) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1626

California Thrasher Toxostoma redivivum
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Golden Eagle Aquila chrysaetos
This is not a Bird of Conservation Concern ( BCC ) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Lawrence's Goldfinch Carduelis lawrencel
This is a Bird of Conservation Concern ( $B C C$ ) throughout its range in the continental USA and Alaska.
https://ecos.fws gov/ecp/species/9464

Lewis's Woodpecker Melanerpeslewis
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws govecp/species/9408

Nuttall's Woodpecker Picoides nuttallii
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos. fws gov/ecp/species/9410

Oak Titmouse Baeolophus inornatus
This is a Bird of Conservation Concern ( BCC ) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9656

Rufous Hummingbird selasphorus rufus
This is a Bird of Conservation Concern ( $B C C$ ) throughout its range in the continental USA and Alaska.
https://ecos.fws gov/ecp/species/8002

Breeds Jan 1 to Aug 31

Breeds Jan 1 to Jul 31

Breeds Jan 1 to Aug 31

Breeds Mar 20 to Sep 20

Breeds Apr 20 to Sep 30

Breeds Apr 1 to Jul 20

Breeds Mar 15 to Jul 15

Breeds elsewhere

Song Sparrow Melospiza melodia
This is a Bird of Conservation Concern ( BCC ) only in particular Bird
Conservation Regions (BCRs) in the continental USA

Spotted Towhee Pipilo maculatus clementae
This is a Bird of Conservation Concern ( BCC ) only in particular Bird
Conservation Regions (BCRS) in the continental USA
https://ecos.fws gov/ecp/species/4243

Wrentit Chamaea fasciata
This is a Bird of Conservation Concern ( $B C C$ ) throughout its range in the continental USA and Alaska.

Yellow-billed Magpie Pica nuttalli
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
hutps://ecos fws gov/ecp/species/9726

## Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds, Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

## Probability of Presence ()

Each green bar represents the bird's relative probability of presence in the 10 km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 124 -week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establisha level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25 .
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05 , and that the probability of presence at week $12(0.25)$ is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25 / 0.25=1$; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10 , inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

## Breeding Season ( )

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

## Survey Effort (l)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10 km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

## No Data (-)

A week is marked as having no data if there were no survey events for that week.

## Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.




Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.
Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to afl birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any activenests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additonal measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?
The Migratory Bird Resource List is comprised of USFWS BIrds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to returnla list of those birds reported as occurring in the 10 km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

## What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern ( $B C C$ ) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).
Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

## Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapelng of Marine Bird Distributions and Abundance on the Aulantic Outer Continental Shelf project webpage.
Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?
If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

## Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does $I P a C$ use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to
confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## Facilities

## National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION

## Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

## Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME
This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

## Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.
Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

## Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

## Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Selected Elements by Scientific Name

## California Department of Fish and Wildlife

California Natural Diversity Database
Query Criteria: Quad<span style='color:Red'> IS </span>(Pilot Hill (3812171)<span style='color:Red'> OR </span>Coloma (3812078)<span style='color:Red'> OR </span>Garden Valley (3812077)<span style='color:Red'> OR </span>Clarksville (3812161)<span style='color:Red'> OR </span>Shingle Springs (3812068) <span style='color:Red'>OR </span>Placerville (3812067)<span style='color:Red'>OR </span>Folsom SE (3812151)<span style='color:Red'> OR </span>Latrobe (3812058)<span style='color:Red'> OR </span>Fiddletown (3812057))

| Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Accipiter gentilis northern goshawk | ABNKC12060 | None | None | G5 | S3 | SSC |
| Agelaius tricolor tricolored blackbird | ABPBXB0020 | None | Threatened | G2G3 | S1S2 | SSC |
| Allium jepsonii Jepson's onion | PMLILO22V0 | None | None | G2 | S2 | 1 B .2 |
| Ammodramus savannarum grasshopper sparrow | ABPBXA0020 | None | None | G5 | S3 | SSC |
| Andrena blennospermatis <br> Blennosperma vernal pool andrenid bee | IHYM35030 | None | None | G2 | S2 |  |
| Antrozous pallidus pallid bat | AMACC10010 | None | None | G5 | S3 | SSC |
| Aquila chrysaetos golden eagle | ABNKC22010 | None | None | G5 | S3 | FP |
| Arctostaphylos nissenana Nissenan manzanita | PDERI040V0 | None | None | G1 | S1 | 1B. 2 |
| Ardea alba great egret | ABNGA04040 | None | None | G5 | S4 |  |
| Ardea herodias great blue heron | ABNGA04010 | None | None | G5 | S4 |  |
| Athene cunicularia burrowing owl | ABNSB10010 | None | None | G4 | S3 | SSC |
| Atractelmis wawona <br> Wawona riffle beetle | IICOL58010 | None | None | G3 | S1S2 |  |
| Balsamorhiza macrolepis big-scale balsamroot | PDAST11061 | None | None | G2 | S2 | 18.2 |
| Banksula californica <br> Alabaster Cave harvestman | ILARA14020 | None | None | GH | SH |  |
| Bombus occidentalis western bumble bee | IIHYM24250 | None | Candidate Endangered | G2G3 | S1 |  |
| Branchinecta lynchi vernal pool fairy shrimp | ICBRA03030 | Threatened | None | G3 | S3 |  |
| Buteo regalis ferruginous hawk | ABNKC19120 | None | None | G4 | S3S4 | WL |
| Buteo swainsoni <br> Swainson's hawk | ABNKC19070 | None | Threatened | G5 | S3 |  |



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database

| Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Calystegia stebbinsii <br> Stebbins' morning-glory | PDCON040H0 | Endangered | Endangered | G1 | S1 | 18. 1 |
| Calystegia vanzuukiae <br> Van Zuuk's morning-glory | PDCON040Q0 | None | None | G2Q | S2 | 1 B .3 |
| Carex cyrtostachya <br> Sierra arching sedge | PMCYP03M00 | None | None | G2 | S2 | 1 B .2 |
| Carex xerophila chaparral sedge | PMCYP03M60 | None | None | G2 | S2 | 18.2 |
| Ceanothus roderickii <br> Pine Hill ceanothus | PDRHA04190 | Endangered | Rare | G1 | S1 | 18.1 |
| Central Valley Drainage Hardhead/Squawfish Stream Central Valley Drainage Hardhead/Squawfish Stream | CARA2443CA | None | None | GNR | SNR |  |
| Chlorogalum grandiflorum <br> Red Hills soaproot | PMLILOG020 | None | None | G3 | S3 | 1B. 2 |
| Clarkia biloba ssp. brandegeeae Brandegee's clarkia | PDONA05053 | None | None | G4G5T4 | S4 | 4.2 |
| Cosumnoperla hypocrena <br> Cosumnes stripetail | IIPLE23020 | None | None | G2 | S2 |  |
| Crocanthemum suffrutescens <br> Bisbee Peak rush-rose | PDCIS020F0 | None | None | G2?Q | S2? | 3.2 |
| Desmocerus californicus dimorphus valley elderberry longhorn beetle | IICOL48011 | Threatened | None | G3T2 | S2 |  |
| Elanus leucurus white-tailed kite | ABNKC06010 | None | None | G5 | S3S4 | FP |
| Emys marmorata western pond turtle | ARAAD02030 | None | None | G3G4 | S3 | SSC |
| Erethizon dorsatum <br> North American porcupine | AMAFJ01010 | None | None | G5 | S3 |  |
| Eryngium pinnatisectum Tuolumne button-celery | PDAPIOZOPO | None | None | G2 | S2 | 18. 2 |
| Fremontodendron decumbens <br> Pine Hill flannelbush | PDSTE03030 | Endangered | Rare | G1 | S1 | 1B. 2 |
| Galium californicum ssp. sierrae El Dorado bedstraw | PDRUBONOE7 | Endangered | Rare | G5T1 | S1 | 1B. 2 |
| Haliaeetus leucocephalus bald eagle | ABNKC10010 | Delisted | Endangered | G5 | S3 | FP |
| Horkelia parryi Parry's horkelia | PDROSOWOCO | None | None | G2 | S2 | 1B. 2 |
| Hydrochara rickseckeri <br> Ricksecker's water scavenger beetle | IICOL5V010 | None | None | G2? | S2? |  |
| Lasionycteris noctivagans silver-haired bat | AMACC02010 | None | None | G5 | S3S4 |  |



## Selected Elements by Scientific Name

California Department of Fish and Wildlife
California Natural Diversity Database

| Species | Element Code | Federal Status | State Status | Global Rank | State Rank | Rare Plant Rank/CDFW SSC or FP |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Laterallus jamaicensis coturniculus California black rail | ABNME03041 | None | Threatened | G3G4T1 | S1 | FP |
| Myotis yumanensis <br> Yuma myotis | AMACC01020 | None | None | G5 | S4 |  |
| Oncorhynchus mykiss irideus pop. 11 steelhead - Central Valley DPS | AFCHA0209K | Threatened | None | G5T2Q | S2 |  |
| Packera layneae Layne's ragwort | PDAST8H1VO | Threatened | Rare | G2 | S2 | 1 B .2 |
| Pekania pennanti fisher - West Coast DPS | AMAJF01021 | None | Threatened | G5T2T3Q | S2S3 | SSC |
| Phrynosoma blainvillii coast horned lizard | ARACF 12100 | None | None | G3G4 | S3S4 | SSC |
| Rana boylii <br> foothill yellow-legged frog | AAABH01050 | None | Endangered | G3 | S3 | SSC |
| Rana draytonii <br> California red-legged frog | AAABH01022 | Threatened | None | G2G3 | S2S3 | SSC |
| Riparia riparia bank swallow | ABPAU08010 | None | Threatened | G5 | S2 |  |
| Sagittaria sanfordii <br> Sanford's arrowhead | PMALIO40Q0 | None | None | G3 | S3 | 1 B .2 |
| Spea hammondii western spadefoot | AAABF02020 | None | None | G3 | S3 | SSC |
| Thamnophis gigas giant gartersnake | ARADB36150 | Threatened | Threatened | G2 | S2 |  |
| Viburnum ellipticum oval-leaved viburnum | PDCPR07080 | None | None | G4G5 | S3? | 28.3 |
| Wyethia reticulata <br> El Dorado County mule ears | PDAST9X0DO | None | None | G2 | S2 | 18.2 |

Record Count: 53

*The database used to provide updates to the Online tnventory is under construction. View updates and changes made since May 2019 here.

## Plant List

30 matches found. Click on scientific name for details

## Search Criteria

Found in Quads 3812171, 3812078, 3812077, 3812161, 3812068, 3812067, 3812151 3812058 and 3812057 :

Q Modify Search Criteria Export to Excel Modify Columns 41 Modify Sort Display Photos

| Scientific Name | Common Name | Family | Lifeform | Blooming Period | CA Rare <br> Plant Rank | State <br> Rank | Global <br> Rank |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Allium jepsonii | Jepson's onion | Alliaceae | perennial bulbiferous herb | Apr-Aug | 1B. 2 | S2 | G2 |
| Allium sanbornii var. congdonii | Congdon's onion | Alliaceae | perennial bulbiferous herb | Apr-Jul | 4.3 | S3 | G4T3 |
| Allium sanbornii var. sanbornii | Sanborn's onion | Alliaceae | perennial bulbiferous herb | May-Sep | 4.2 | S3S4 | G4T3T4 |
| Arctostaphylos mewukka ssp. truei | True's manzanita | Ericaceae | perennial evergreen shrub | Feb-Jul | 4.2 | S3 | G4?T3 |
| Arctostaphylos nissenana | Nissenan manzanita | Ericaceae | perennial evergreen shrub | FebMar(Jun) | 1B. 2 | S1 | G1 |
| Balsamorhiza macrolepis | big-scale balsamroot | Asteraceae | perennial herb | Mar-Jun | 1B. 2 | S2 | G2 |
| Calandrinia breweri | Brewer's calandrinia | Montiaceae | annual herb | $\begin{aligned} & \text { (Jan)Mar- } \\ & \text { Jun } \end{aligned}$ | 4.2 | S4 | G4 |
| Calystegia stebbinsii | Stebbins' morningglory | Convolvulaceae | perennial rhizomatous herb | Apr-Jul | 1B. 1 | S1 | G1 |
| Calystegia vanzuukiae | Van Zuuk's morning-glory | Convolvulaceae | perennial rhizomatous herb | May-Aug | 1B. 3 | S2 | G2Q |
| Carex cyrtostachya | Sierra arching sedge | Cyperaceae | perennial herb | May-Aug | 1 B .2 | S2 | G2 |
| Carex xerophila | chaparral sedge | Cyperaceae | perennial herb | Mar-Jun | 1 B .2 | S2 | G2 |
| Ceanothus fresnensis | Fresno ceanothus | Rhamnaceae | perennial evergreen shrub | May-Jul | 4.3 | S4 | G4 |
| Ceanothus roderickii | Pine Hill ceanothus | Rhamnaceae | perennial evergreen shrub | Apr-Jun | 1B. 1 | S1 | G1 |
| Chlorogalum grandiflorum | Red Hills soaproot | Agavaceae | perennial bulbiferous herb | May-Jun | 1B. 2 | S3 | G3 |
| Clarkia biloba ssp. brandegeeae | Brandegee's clarkia | Onagraceae | annual herb | May-Jul | 4.2 | S4 | G4G5T4 |
|  | streambank spring | Montiaceae | annual herb | Feb-May | 4.2 | S3 | G5T3 |


| 7/27/2020 | CNPS Inventory Results |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Claytonia parviflora ssp. grandiflora |  |  |  |  |  |  |
| Crocanthemum suffrutescens | Bisbee Peak rushrose | Cistaceae | perennial evergreen shrub |  | Apr-Aug | 3.2 | S2? | G2?Q |
| Delphinium hansenii ssp. ewanianum | Ewan's larkspur | Ranunculaceae | perennial herb | Mar-May | 4.2 | S3 | G4T3 |
| Erigeron miser | starved daisy | Asteraceae | perennial herb | Jun-Oct | 1 B .3 | S3? | G3? |
| Eriophyllum jepsonii | Jepson's woolly sunflower | Asteraceae | perennial herb | Apr-Jun | 4.3 | S3 | G3 |
| Eryngium pinnatisectum | Tuolumne buttoncelery | Apiaceae | annual / perennial herb | May-Aug | 1 B .2 | S2 | G2 |
| Fremontodendron decumbens | Pine Hill flannelbush | Malvaceae | perennial evergreen shrub | Apr-Jul | 1 B .2 | S1 | G1 |
| Galium californicum SSp. sierrae | El Dorado bedstraw | Rubiaceae | perennial herb | May-Jun | 1B. 2 | S1 | G5T1 |
| Horkelia parryi | Parry's horkelia | Rosaceae | perennial herb | Apr-Sep | 1B. 2 | S2 | G2 |
| Lilum humboldtii ssp. humboldtii | Humboldt lily | Liliaceae | perennial bulbiferous herb | MayJul(Aug) | 4.2 | S3 | G4T3 |
| Packeralayneae | Layne's ragwort | Asteraceae | perennial herb | Apr-Aug | 1 B .2 | S2 | G2 |
| Sagittaria sanfordii | Sanford's arrowhead | Alismataceae | perennial rhizomatous herb (emergent) | MayOct(Nov) | 18.2 | S3 | G3 |
| Trichostema rubisepalum | Hernandez bluecurls | Lamiaceae | annual herb | Jun-Aug | 4.3 | S4 | G4 |
| Viburnum ellipticum | oval-leaved viburnum | Adoxaceae | perennial deciduous shrub | May-Jun | 2B. 3 | S3? | G4G5 |
| Wyethia reticulata | El Dorado County mule ears | Asteraceae | perennial herb | Apr-Aug | 1B. 2 | S2 | G2 |

## Suggested Citation

California Native Plant Society, Rare Plant Program. 2020. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website http://www.rareplants.cnps.org [accessed 27 July 2020].


## APPENDIX B

## Plant and Wildife Species Observed <br> Bean Barn 3

20 July 2020
Plant Species Observed.

| Family | Scientific Name | Common Name | $\mathrm{N} / 1^{1}$ | In <br> Bloom? | Cal-IPC ${ }^{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EUDICOTS |  |  |  |  |  |
| Anacardiaceae | Schinus molle | Pepper tree | 1 | No | Limited |
|  | Toxicodendron diversilobum | Western poison oak | N | No |  |
| Apiaceae | Daucus carota | Carrot, Queen Amne's lace | 1 | Yes |  |
|  | Torilis arvensis | Tall sock-destroyer | 1 | No | Moderate |
| Asteraceae | Artemisia douglasiana | Mugwort | N | No |  |
|  | Baccharis pilularis | Coyote brush | N | No |  |
|  | Carduus pycnocephalus ssp. pycnocephalus | Italian thistle | 1 | No | Moderate |
|  | Centaurea solstitialis | Yellow star-thistle | 1 | Yes | High |
|  | Chondrilla juncea | Skeleton weed | 1 | Yes | Moderate |
|  | Eriophyllum lanatum | Common woolly sunflower | N | No |  |
|  | Holocarpha virgata ssp. virgata | Tarweed | N | Yes |  |
|  | Hypochaeris radicata | Rough cat's-ear | 1 | No | Moderate |
|  | Lactuca serriola | Prickly lettuce | 1 | No |  |
|  | Logfia gallica (Syn. Filago gallica) | Daggerleaf cottonrose | 1 | No |  |
|  | Madia elegans | Common madia | N | Yes |  |
|  | Silybum marianum | Milk thistle | I | No |  |
|  | Sonchus asper ssp. asper | Prickly sow thistle | 1 | No |  |
|  | Tragopogon sp . | Goat's beard, Salsify | 1 | Yes |  |
| Boraginaceae | Eriodictyon californicum | California yerba santa | N | No |  |
| Brassicaceae | Hirschfeldia incana | Summer mustard | 1 | Yes | Moderate |
| Convolvulaceae | Convolvulus arvensis | Bindweed | I | Yes |  |
| Ericaceae | Arctostaphylos viscida ssp. viscida | Manzanita | N | No |  |
| Euphorbiaceae | Croton setigerus | Turkey-mullein | N | Yes |  |
| Fabaceac | Acmispon americanus var. americanus (Syn. Lotus purshianus) | Deervetch | N | Yes |  |
|  | Trifolium hirtum | Rose clover | 1 | No | Limited |
|  | Vicia sp. | Vetch | 1 | No |  |
| Fagaceae | Quercus douglasii | Blue oak | N | No |  |
|  | Quercus lobata | Valley oak | N | No |  |
|  | Quercus wislizeni var. wislizeni | Interior live oak | N | No |  |
| Geraniaceae | Erodium sp. 1 | Storksbill. filaree | 1 | No |  |
|  | Erodium sp. 2 | Storksbill, filaree | 1 | No |  |
| Lamiaceae | Salvia rosmarinus | Rosemary | 1 | No |  |
| Linaceae | Linum bienne | Flax | 1 | No |  |
| Onagraceac | Epilobium brachycarpum | Willowherb | N | No |  |
| Plantaginaceae | Kickxia spuria | Kickxia | 1 | No |  |
|  | Plantago lanceolata | English plantain | 1 | No | Limited |
| Polygonaceae | Rumex crispus | Curly dock | I | No | Limited |
| Rhamnaceae | Ceanothus cuneatus var. cuneatus | Buckbrush | N | No |  |
|  | Ceanothus lemmonii | California-lilac | N | No |  |
|  | Rhamnus ilicifolia | Hollyleaf redberry | N | No |  |
| Rosaceae | Heteromeles arbutifolia | Toyon | N | No |  |
|  | Pyrus calleryana | Bradford plum | 1 | No |  |
| Rubiaceae | Galium parisiense | Wall bedstraw | 1 | No |  |


| MONOCOTS |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Cyperaceae | Cyperus sp. | Nutsedge | -- | No |  |
| Iridaceae | Sisyrinchium bellum | Western blue-eyed-grass | N | No |  |
| Poaceae | Aegilops triuncialis | Barbed goat grass | I | No | High |
|  | Avena sp. | Wild oat | 1 | No | Moderate |
|  | Brachypodium distachyon | False brome | 1 | No | Moderate |
|  | Briza minor | Small quaking grass | 1 | No |  |
|  | Bromus diandrus | Ripgut grass | 1 | No | Moderate |
|  | Bromus hordeaceus | Soft chess | 1 | No | Limited |
|  | Bromus madritensis | Foxtail chess | 1 | No |  |
|  | Cynodon dactylon | Bermuda grass | 1 | No | Moderate |
|  | Cynosurus echinatus | Bristly dogtail grass | 1 | No | Moderate |
|  | Dactulis glomerata | Orchard grass | 1 | No | Limited |
|  | Elymus caput-medusae <br> (Syn. Taeniatherum capui-medusae) | Medusa head | I | No | High |
|  | Elymus glaucus | Blue or western wild-rye | N | No |  |
|  | Festuca peremis (Syn. Lolium perenne) | Rye grass | 1 | No | Moderate |
|  | Gastridium phleoides | Nit grass | 1 | No |  |
|  | Panicum capillare | Witch grass | N | No |  |
|  | Paspalum dilatatum | Dallis grass | I | No |  |
|  | Phalaris sp. | Canary grass | , | No |  |
|  | Stipa sp. | Needle grass | N | No |  |
| Themidaceae | Brodiaea sp. | Brodiaea | N | No |  |
| Typhaceae | Typha sp. | Cattail | N | No |  |

${ }^{1} \mathrm{~N}=$ Native to $\mathrm{CA} ; 1=$ Introduced.
${ }^{2}$ Degree of negative ecological impact (Cal-IPC 2020).

## APPENDIX C.

Photographs


Photo 2. View east from near SW corner along southern property boundary; nonnative Rosemary plants on right side of photo growing in gaps in the block wall. 20 July 2020


Photo 3. Detail of block wall shown in Photo 2. Rosemary plants cascading down face of wall. 20 July 2020


Photo 5. View west from east property boundary; Cameron Park Airport in background. Mostly nonnative herbaceous annual grasses and forbs in the BSA. 20 July 2020

Photo 4 . View west from near SE property corner. 20 July 2020


Photo 6. View SE toward native vegetation on east boundary. Nonnative yellow star-thistle in foreground. 20 July 2020

# TRAFFIC IMPACT ANALYSIS 

## FOR

BEAN BARN COFFEE
Cameron Park, El Dorado County CA

Prepared For:

## BEAN BARN INC.

P.O. Box 6323

Diamond Springs, CA 95619

Prepared By:
KDAnderson \& Associates, Inc.
3853 Taylor Road, Suite G
Loomis, California 95650
(916) 660-1555


December 15, 2020

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# TRAFFIC IMPACT ANALYSIS FOR <br> BEAN BARN COFFEE <br> Cameron Park, El Dorado County CA 

## EXECUTIVE SUMMARY

- Project Description. This study evaluates the traffic impacts associated with the construction of a coffee kiosk off of Cameron Park Drive in Cameron Park. The project is located in the southeast quadrant of the Cameron Park Drive / Mira Loma Drive intersection. Access to the site will be a single driveway located on Mira Loma Drive about 160 feet east of Cameron Park Drive. The coffee kiosk is projected to generate approximately 121 a.m. peak hour trips and 30 p.m. peak hour trips. After accounting for pass-by trips the site will generate 21 new a.m. peak hour trips and 5 new p.m. peak hour trips.

The traffic study included the following analysis scenarios:

1. Existing Traffic Conditions
2. Existing Plus Project Conditions for Bean Barn Coffee Kiosk

The project is consistent with current general plan land use and zoning conditions; therefore, a future 2040 analysis was not conducted.

- Existing Setting. The study areas addressed traffic conditions at three existing intersections. Due to Covid-19 conditions, traffic volumes are generally lower than pre-Covid19 conditions. Therefore, intersection turning movements were developed through data collected by Streetlight Data and adjusted based on County ADT counts conducted in 2019 when school was in session.


## Intersections

All intersections operate within acceptable El Dorado County LOS thresholds.

## Queues

Under current conditions queues at the Cameron Park Drive / Mira Loma Drive intersection are maintained in each turn lane.

- Existing Plus Project Impacts. The operation of the proposed project will increase the volume of traffic on the study area circulation system.


## Vehicle Miles Traveled

The proposed project is a drive-through coffee kiosk. Based on the location of the site the location provides a proximate location relative to residents and businesses in the Cameron Park area. The drive-through kiosk allows customers in this area better accessibility to the specific use, i.e. a drive-through coffee shop. As noted in the Technical Advisory on Evaluating

Transportation Impacts in CEQA locally-serving retail projects are presumed to have a less than significant transportation impact.

Intersections
All intersections will operate within acceptable El Dorado County LOS thresholds. The following mitigations are noted:

- The project shall contribute its fair share to the cost of regional circulation improvements via the existing countywide traffic impact mitigation (TIM) fee program.
- The following on-site mitigation should be constructed:
- Landscaping along the project frontage should be limited to vegetation no higher than 2 feet to provide adequate visibility along Mira Loma Drive.
- Tree limbs and bushes should be cut back or removed as practicable between the project driveway and the Point Loma Commercial Center driveway a minimum of 15 feet from edge of travel way along Mira Loma Drive.

Queues
Under Existing plus Project conditions, all queues at the Cameron Park Drive / Meder Road intersection will continue to queue within their respective turn lanes.

# TRAFFIC IMPACT ANALYSIS FOR <br> BEAN BARN COFFEE <br> Cameron Park, El Dorado County CA 

## INTRODUCTION

## Study Purpose and Objectives

This study evaluates the traffic impacts associated with the construction of a coffee kiosk project off of Cameron Park Drive in Cameron Park. The project is located in the southeast quadrant of the Cameron Park Drive / Mira Loma Drive intersection. Project access will be from Mira Loma Drive.

The 2018 CEQA Guidelines Update includes new and revised provisions for analyzing the significance of transportation impacts. Specifically, CEQA Guidelines section 15064.3 was adopted, effective December 28, 2018, and states that Vehicle Miles Travelled for land use projects "exceeding an applicable threshold of significance may indicate a significant impact." (14 CCR § 15064.3, subd. (b)(1).). This new metric took effect state-wide July 1, 2020. As a result of this new section, the significance threshold for transportation impacts in both CEQA Guidelines section 15064 and Appendix G (Environmental Checklist Form) are described in terms of VMT rather than LOS.

A project must still be evaluated individually and cumulatively to determine whether the project is consistent with the local agency's General Plan. The project was evaluated under an Existing condition. The project is consistent with the El Dorado County General Plan which identifies the project site within a commercial land use. The site is zoned Commercial, Limited and is consistent with the zoning.

The Level of Service (LOS) analysis was evaluated for General Plan consistency and to identify feasible improvements to meet the General Plan Vehicle LOS Standards. Vehicle LOS is used to identify potential improvement projects that may be included in conditions of approval for the project entitlements.

The scope of this traffic analysis has been identified through consideration of El Dorado County traffic study guidelines in consultation with El Dorado County Long Range Planning (LRP). In addition to VMT analysis, this study addresses the following scenarios for LOS analysis:

1. Existing Traffic Conditions
2. Existing Plus Project Conditions

The objective of this study is to identify those roads and street intersections that may be impacted by development of each project based on El Dorado County significance criteria. Figure 1 presents a map of the vicinity.

## Project Description

The Bean Barn Coffee project will construct a drive-through coffee kiosk in the southeast quadrant of the Cameron Park Drive / Mira Loma Drive intersection. The project will have access from Mira Loma Drive, just west of the Point Loma Commercial center driveway. The site is vacant, and the project will construct a 360 square foot coffee kiosk on the west side of the site, away from the proposed driveway. One driveway is proposed and will allow counterclockwise traffic flow around the kiosk. In addition, the site includes five parking spaces which would allow some walkup sales. Figure 2 presents the proposed site plan.


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VICINITY MAP
Transp


## EXISTING SETTING

## Study Area

This study addresses traffic conditions at three existing intersections in Cameron Park, El Dorado County. The text that follows describes the facilities included in this analysis. The quality of traffic flow is typically governed by the operation of major intersections and the daily volume of traffic along the roadways. The study locations include:

## Study Area Roadways and Intersections

The Cameron Park Drive / Virada Road intersection provides access between Green Valley Drive and US 50. The intersection is a tee with the stem, Virada Road, heading east. The intersection is about 750 feet north of the project location. The intersection is stop controlled along Virada Road. Each approach consists of single lanes.

The Cameron Park Drive / Mira Loma Drive intersection is a four-way intersection adjacent to the project site. The intersection is unsignalized with stop control along the Mira Loma Drive legs. The Cameron Park Drive approaches include a shared through-right lane and dedicated left turn lanes.

The Cameron Park Drive / Meder Road intersection is a major intersection along Cameron Park Drive and provides access between Green Valley Drive and US 50 north to south, and between Cameron Park Drive and Ponderosa Drive, west to east. The tee intersection is about $1 / 2$ mile south of the project site. The intersection is signalized and provides a dedicated left turn lane and through lane along southbound Cameron Park Drive. Northbound Cameron Drive consists of a through lane and a right turn lane while Meder Road consists of a left turn and right turn lanes.

## Alternative Transportation Modes

## Public Transit

El Dorado County Transit Authority (EDCTA) operates buses throughout El Dorado County. In the vicinity of the site, the Cameron Park / Shingle Springs loop, Route 40, operates every hour from 6:30 a.m. to 7:20 p.m. Monday through Friday. This route also provides transfers to the Route 50 Express and the Sacramento Commuter at Cambridge Road Park and Ride. The route operates in both directions along Cameron Park Drive with stops northbound at Point Loma Commercial Center and stops southbound at Meder Road.

## Non-Motorized Transportation

The available facilities for bicycles and pedestrians in the area of the project were inventoried.
Sidewalks / Trails. Due to the rural nature of Cameron Park Drive sidewalk is not present along either side of Cameron Park Drive, nor along Mira Loma Drive. The closest sidewalk is at the La Canada Drive intersection north of the site and Palmer Drive to the south.

Bicycle Facilities. Few designated bicycle routes currently exist throughout El Dorado County due to the rural nature of the county. Bicycle lanes are discontinuous along Cameron Park Drive with bike lanes available from Palmer Drive north to Hacienda Road. To the north bike lanes are present beginning about 850 feet south of La Canada Drive and continue to Maple Drive.

## Analysis Criteria

Vehicle Miles Traveled. In the El Dorado County Traffic Impact Study Guidelines, the impact of a project on LOS is an important factor in determining whether a project has a significant impact. However, recent changes to CEQA have changed how lead agencies use LOS in determining whether a project has a significant impact on transportation. As noted in the California Governor's Office of Planning and Research (OPR) document Technical Advisory on Evaluating Transportation Impacts in CEQA (California Governor's Office of Planning and Research 2018),
"Senate Bill 743 (Steinberg, 2013), which was codified in Public Resources Code section 21099, required changes to the guidelines implementing CEQA (CEQA Guidelines) (Cal. Code Regs., Title 14, Div. 6, Ch. 3, § 15000 et seq.) regarding the analysis of transportation impacts. . . OPR has proposed, and the California Natural Resources Agency (Agency) has certified and adopted, changes to the CEQA Guidelines that identify vehicle miles traveled (VMT) as the most appropriate metric to evaluate a project's transportation impacts. With the California Natural Resources Agency's certification and adoption of the changes to the CEQA Guidelines, automobile delay, as measured by "level of service" and other similar metrics, generally no longer constitutes a significant environmental effect under CEQA. (Pub. Resources Code, § 21099, subd. (b)(3).)"

Notably, the El Dorado County Traffic Impact Study Guidelines were prepared before the recent changes to CEQA due to Senate Bill 743 (Steinberg 2013). As a result, the County guidelines specify use of LOS in determining whether a project has a significant impact. Consistent with the approach described in the OPR Technical Advisory on Evaluating Transportation Impacts in CEQA, LOS will not be used in this traffic impact study as a basis for identifying significant impacts. Rather, the methods, assumptions and significance thresholds presented in the County guideline will be used to determine whether the project is consistent or inconsistent with General Plan policies on LOS, and whether the magnitude of inconsistency should be considered significant or less than significant.

Certain types of projects as identified in statute, the CEQA Guidelines, or in OPR's Technical Advisory are presumed to have a less than significant impact on VMT and therefore a less than significant impact on transportation. Generally, the identified projects contribute to efficient land use patterns enabling higher levels of walking, cycling, and transit as well as lower average trip length. These projects include, for example, projects in transit priority areas, projects consisting of residential infill or those located in low VMT areas.

Caltrans references OPR's December 2018 Technical Advisory on Evaluating Transportation Impacts in CEQA, which identifies projects and areas presumed to have a less than significant transportation impact. Those include:

1. Residential, office, or retail projects within a Transit Priority Area, where a project is within a $1 / 2$ mile of an existing or planned major transit stop or an existing stop along a high-quality transit corridor.
a. A major transit stop is defined as a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods (Pub. Resources Code, § 21064.3).
b. A high-quality transit corridor is defined as a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours (Pub. Resources Code, § 21155).
2. An area pre-screened by an agency as having low residential or office VMT:
a. An area where existing residential projects exhibit VMT per capita 15 percent or more below city or regional average.
b. An area where existing office projects exhibit VMT per capita 15 percent or more below regional average.
3. Residential projects composed of 100 percent or near-100 percent affordable housing located in any infill location. Additionally, per OPR's Technical Advisory, "Lead agencies may develop their own presumption of less than significant impact for residential projects (or residential portions of mixed use projects) containing a particular amount of affordable housing, based on local circumstances and evidence. Furthermore, a project which includes any affordable residential units may factor the effect of the affordability on VMT into the assessment of VMT generated by those units."
4. A locally-serving retail project (such a project typically reduces vehicle travel by providing a more proximate shopping destination, i.e., better accessibility).
5. Mixed-use projects composed entirely of the above low-VMT project types.
6. In any area of the state, absent substantial evidence indicating that a project would generate a potentially significant level of VMT, or inconsistency with a Sustainable Communities Strategy (SCS) or general plan, projects that generate or attract fewer than 110 trips per day generally may be assumed to cause a less-than significant transportation impact.

However, a land use project near transit may have a significant impact on VMT if it:

1. Has a floor area ratio less than 0.75 .
2. Includes more parking than required by the local permitting agency.
3. Is inconsistent with the region's Sustainable Communities Strategy (i.e., development is outside region's development footprint, or in area specified as open space).
4. Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

In very limited situations, analysis or mitigation may be appropriate in low VMT areas to address specific multimodal access management issues directly caused by the project such as issues related to line of sight caused by the placement of a driveway. These situations are to be determined based on the details of development proposals and their setting and will be addressed in future guidance.

Should a project not meet the minimum screening thresholds, a VMT analysis should be conducted. The OPR Technical Advisory on Evaluating Transportation Impacts in CEQA (California Governor's Office of Planning and Research 2018) identifies a threshold of 15 percent below the baseline for determining the significance of VMT impacts associated with residential and office land use developments. Locally-serving retail projects, such as a project that reduces vehicle travel by providing a more proximate shopping destination, i.e., better accessibility is considered to have a less than significant transportation impact.

General Plan Policy Consistency Level of Service Methodology. Level of Service Analysis has been employed to provide a basis for describing existing traffic conditions and for evaluating whether deficiencies exist within the local roadway network. Level of Service measures the quality of traffic flow and is represented by letter designations from "A" to "F", with a grade of "A" referring to the best conditions, and " F " representing the worst conditions. The guidelines and analyses used for this report follow El Dorado County standards.

Local agencies adopt minimum Level of Service standards for their facilities. The analysis techniques presented in the Highway Capacity Manual were used to calculate Level of Service and to provide a basis for describing existing traffic conditions and evaluating deficiencies in the roadway network. The $H C M 6^{\text {th }}$ Edition methodology was used to analyze all intersections.

Intersections. Various software programs have been developed to assist in calculating intersection Level of Service, and the level of sophistication of each program responds to factors that affect the overall flow of traffic. Synchro software was used for intersection analysis. Signal timing plans provided by El Dorado County were used in the Synchro analysis.

The intersection Levels of Service presented in this analysis are based on the weighted average total delay per vehicle for the intersection as a whole at signalized intersections and at locations controlled by all-way stops. The average delay experienced by motorists yielding the right of way is the basis for identification of Level of Service at locations controlled by side street stop signs. Applicable Level of Service thresholds based on average delay are shown in Table 1.

El Dorado County General Plan Intersection Thresholds of Significance. El Dorado County identifies LOS ' $E$ ' as the acceptable Level of Service on roadways and state highways within the unincorporated areas of the County in the Community Regions and LOS D in the Rural Centers and Rural Regions except as specified in the General Plan. Cameron Park is identified as a Community Region.

An intersection is considered to be deficient under El Dorado County guidelines if the project causes an intersection to change from LOS E to LOS F. Worsening of conditions at facilities already operating at unacceptable levels of service is also considered a deficiency. The County's General Plan Policy TC-Xe defines worsen as any of the following conditions:
a. a $2 \%$ increase in traffic during the a.m. peak hour, p.m. peak hour or daily trips, or
b. the addition of 100 or more daily trips, or
c. the addition of 10 or more trips during the a.m. peak hour or the p.m. peak hour.

At the time of approval of a tentative map for a single family residential subdivision of five or more parcels that worsens (defined as a project that triggers Policy TC-Xe [A] or [B] or [C]) traffic on the County road system, the County shall do one of the following: (1) condition the project to construct all road improvements necessary to maintain or attain Level of Service standards detailed in this Transportation and Circulation Element based on existing traffic plus traffic generated from the development plus forecasted traffic growth at 10-years from project submittal; or (2) ensure the commencement of construction of the necessary road improvements are included in the County's 10-year CIP.

For all other discretionary projects that worsen (defined as a project that triggers Policy TC-Xe [A] or [B] or [C]) traffic on the County road system, the County shall do one of the following: (1) condition the project to construct all road improvements necessary to maintain or attain Level of Service standards detailed in this Transportation and Circulation Element; or (2) ensure the construction of the necessary road improvements are included in the County's 20-year CIP.

County policy notes that impacts to Caltrans facilities shall use Caltrans LOS standards and significance thresholds. Caltrans uses LOS E as the significance threshold on freeway facilities in this area of El Dorado County.

TABLE 1
LEVEL OF SERVICE DEFINITIONS

| Level of <br> Service | Signalized Intersection | Unsignalized Intersection |
| :---: | :--- | :--- | :--- |$\quad$ Roadway (Daily)

Traffic Signal Warrants. The extent to which existing or projected traffic volumes may justify signalization at un-signalized intersections has been determined based on consideration of traffic signal warrant presented in the Manual of Uniform Traffic Control Devices, 2014. For this analysis, the volume thresholds associated with Warrant 3 (Peak Hour Volume) have been assessed.

## Existing Traffic Conditions

Due to the Covid-19 pandemic, travel patterns have been affected downward due to work and school closures. Intersection turning movements (ITM) are therefore, generally lower than usual traffic counts. ITM's were developed based on data analytics provided from Streetlight Data. Streetlight Data uses "Big-Data" derived travel pattern analytics against publicly available traffic movement ratios derived from traffic counts to project current ITM's. 2019 daily traffic volume
data in the project vicinity that was provided by El Dorado County was reviewed and compared to 2019 Streetlight Data in the same locations. Where appropriate, ITM's were adjusted based on the relative ADT proportions. The peak hours used for this study occurred between 7:00 and 8:00 a.m. and 5:00 to 6:00 p.m.

Intersection Levels of Service. The intersection turning movements developed through Streetlight Data are presented in Figure 3. Table 2 summarizes current operating Levels of Service at the study area intersections for each time period. All study intersections operate at acceptable Levels of Service, at LOS E or better, during the a.m. and p.m. peak hours. Additionally, a peak hour warrant analysis was conducted for the two unsignalized intersections. The Cameron Park Drive / Mira Loma Drive intersection currently meets the peak hour signal warrant in the p.m. peak hour, meeting both delay and volume segments of Warrant 3 . However, while it meets the peak hour signal warrant, the intersection operates acceptably.

TABLE 2 EXISTING PEAK HOUR LEVELS OF SERVICE AT INTERSECTIONS

|  |  |  | AM Peak Hour |  | PM Peak Hour |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | | Peak Hour |
| :---: |
| Traffic |
| Signal |
| Location |

* meets delay and volume warrants in p.m. peak hour.

Intersection Queues. Table 3 presents information regarding current peak period queuing in turn lanes at the signalized study intersection. The available storage is presented along with current peak hour traffic volumes and the $95^{\text {th }}$ percentile queue length.

The $95^{\text {th }}$ percentile queues indicate that vehicles can store within each lane without spillback into a through lane. The longest queue occurs in the westbound left turn lane with a 107 -foot queue in the p.m. peak hour. This turn lane is the extension of the westbound lane along Meder Road approaching the intersection.


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TABLE 3
EXISTING PEAK HOUR QUEUES AT SIGNALIZED INTERSECTIONS

| Location | Length (feet) | AM Peak Hour |  | PM Peak Hour |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | VPH | Queue (feet) | VPH | Queue (feet) |
| 1. Cameron Park Drive / Meder Road |  |  |  |  |  |
| SB left | 260 | 113 | 95 | 96 | 93 |
| NB right | 220 | 80 | 26 | 206 | 38 |
| WB left | 155* | 175 | 104 | 148 | 107 |
| WB right | 155 | 71 | 25 | 98 | 33 |

## PROJECT CHARACTERISTICS

The development of this project will attract traffic to the project site. The amount of additional traffic on a particular section of the street network is dependent upon two factors:

- Trip Generation, the number of new trips generated by the project, and
- Trip Distribution and Assignment, the specific routes that the new traffic takes.


## Trip Generation

Trip generation is determined by identifying the type and size of land use being developed. Recognized sources of trip generation data may then be used to calculate the total number of trip ends resulting from the day to day operation of the businesses in the project.

The trip generation for this project was calculated using trip generation rates published in the Trip Generation Manual (Institute of Transportation Engineers, 10th Edition, 2017). The project will construct a 360 square foot coffee kiosk for drive-through traffic. The kiosk will serve customers through a single driveway with counterclockwise movement through the site.

Table 4 displays the daily, a.m. peak hour, and p.m. peak hour trip generation for the proposed project. Trips generated by retail commercial projects fit into two categories. Some trips will be made by patrons who would not otherwise be on the local street system and who go out of their way to reach the site. These are "new" trips. Other trips will be made by patrons who are already in the roadway network and stop by the site as part of a trip made for another purpose. These "pass-by" trips do not add traffic to the overall system.

ITE research has suggested typical "pass-by" percentages for various land uses. The ITE Trip Generation Handbook, $3^{\text {rd }}$ Edition was used to determine pass-by rates.

After accounting for pass-by trip reductions, the commercial project is expected to generate 122 'new' daily trips, 21 'new' a.m. peak hour trips and 5 'new' p.m. peak hour trips.

TABLE 4
TRIP GENERATION

| Land Use | Unit Quantity | Size | Trips Per Unit |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Daily | AM Peak Hour |  |  | PM Peak Hour |  |  |
|  |  |  |  | In | Out | Total | In | Out | Total |
| Coffee / Donut Drive Thru / No Indoor Seating (LU 938) | KSF | 0.36 | 2,000.00 | 50\% | 50\% | 337.04 | 50\% | 50\% | 83.33 |
| Coffee / Donut Drive Thru / No Indoor Seating (LU 938) |  |  | 720 | 61 | 61 | 121 | 15 | 15 | 30 |
| Sub-Total Trips |  |  | 720 | 61 | 61 | 121 | 15 | 15 | 30 |
| Pass-By Trips |  |  |  |  |  |  |  |  |  |
| Coffee / Donut Drive Thru / No Indoor Seating (LU 938) - 83\% AM, PM, Daily |  |  | (598) | (50) | (50) | (101) | (12) | (12) | (25) |
| Total Pass-By Trips |  |  | (598) | (50) | (50) | (101) | (12) | (12) | (25) |
| Net New Trips |  |  | 122 | 10 | 10 | 21 | 3 | 3 | 5 |

KSF - thousand square feet
Numbers may not match due to rounding

## Trip Distribution \& Assignment

The distribution of project traffic was determined based on review of existing traffic counts and the travel patterns in the area relative to the land use. Table 5 presents the projected trip distribution. Traffic generated by the project is shown in Figure 4. This traffic was added to existing peak hour volumes based on the distribution percentages. Figure 5 displays the Existing plus Project generated traffic anticipated for each study intersection in both a.m. and p.m. peak hours.

TABLE 5
PROJECT TRIP DISTRIBUTION

| Direction | Distribution |
| :---: | :---: |
| North on Cameron Park Dr | $40 \%$ |
| East on Mira Loma Dr | $10 \%$ |
| South on Cameron Park Dr | $30 \%$ |
| East on Meder Rd | $20 \%$ |
| Total | $100 \%$ |



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## EXISTING PLUS PROJECT TRAFFIC IMPACTS

Vehicle Miles Traveled. The proposed project is a drive-through coffee kiosk. Based on the location of the site the location provides a proximate location relative to residents in the Cameron Park Drive area, as well as the surrounding local businesses. The drive-through kiosk allows customers in this area better accessibility to the specific use, i.e. a drive-through coffee shop. As noted in the Technical Advisory on Evaluating Transportation Impacts in CEQA locally-serving retail projects are presumed to have a less than significant transportation impact.

Intersection Levels of Service. Intersection Levels of Service were calculated and used as the basis for evaluating General Plan Consistency. Table 6 displays the peak hour Levels of Service at each study intersection and compares the existing Levels of Service with those accompanying the project. All intersections will continue to operate above the minimum El Dorado County standard (i.e., LOS E). The Cameron Park Drive / Mira Loma Drive intersection will continue to meet both delay and volume segments of Warrant 3 in the p.m. peak hour. It will also meet the volume portion of the warrant in the a.m. peak hour. While it meets the peak hour signal warrant, as noted under Existing Conditions, the intersection will continue to operate acceptably.

Intersection Queues. Table 7 identifies peak period queues with the addition of project trips. The queues in each of the turn lanes will continue to be queued within the existing pockets.

TABLE 6
PEAK HOUR INTERSECTION LEVELS OF SERVICE EXISTING PLUS PROJECT CONDITIONS

| Location | Control | AM Peak Hour |  |  |  | PM Peak Hour |  |  |  | Peak Hour <br> Traffic <br> Signal <br> Warrant <br> Met? |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Existing |  | Ex Plus Project |  | Existing |  | Ex Plus Project |  |  |
|  |  | LOS | Average Delay | LOS | Average Delay | LOS | Average Delay | LOS | Average Delay |  |
| 1. Cameron Park Dr / Virada Rd SB Left WB | WB Stop | $\begin{aligned} & \mathrm{A} \\ & \mathrm{C} \\ & \hline \end{aligned}$ | $\begin{gathered} 8.0 \\ 15.3 \\ \hline \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{C} \end{aligned}$ | $\begin{gathered} 8.0 \\ 15.4 \\ \hline \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{C} \\ & \hline \end{aligned}$ | $\begin{gathered} 9.1 \\ 19.0 \\ \hline \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{C} \end{aligned}$ | $\begin{gathered} 9.1 \\ 19.1 \end{gathered}$ | No |
| 2. Cameron Park Drive / Mira Loma Drive <br> NB Left <br> SB Left <br> EB <br> WB | $\begin{gathered} \text { EB / WB } \\ \text { Stop } \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{~A} \\ & \mathrm{~B} \\ & \mathrm{C} \end{aligned}$ | $\begin{gathered} 8.6 \\ 7.8 \\ 14.3 \\ 18.7 \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{~A} \\ & \mathrm{~B} \\ & \mathrm{C} \end{aligned}$ | $\begin{gathered} 8.5 \\ 7.9 \\ 14.7 \\ 28.2 \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{~A} \\ & \mathrm{C} \\ & \mathrm{E} \end{aligned}$ | $\begin{gathered} 8.4 \\ 9.5 \\ 20.3 \\ 39.9 \end{gathered}$ | $\begin{aligned} & \mathrm{A} \\ & \mathrm{~A} \\ & \mathrm{C} \\ & \mathrm{E} \end{aligned}$ | $\begin{gathered} 8.4 \\ 9.5 \\ 20.8 \\ 46.1 \end{gathered}$ | Yes* |
| 3. Cameron Park Drive / Meder Road | Signal | A | 3.3 | A | 3.4 | A | 3.9 | A | 3.9 | N/A |
| 4. Mira Loma Drive / Driveway NB <br> WB Left | NB Stop | --- | --- | $\begin{aligned} & \mathrm{B} \\ & \mathrm{~A} \end{aligned}$ | $\begin{array}{r} 10.0 \\ 7.4 \\ \hline \end{array}$ | --- | --- | $\begin{aligned} & \mathrm{A} \\ & \mathrm{~A} \end{aligned}$ | $\begin{aligned} & 9.9 \\ & 7.6 \\ & \hline \end{aligned}$ | No $\dagger$ |

* meets delay and volume warrant in p.m. peak hour and volume warrant in a.m. peak hour
$\dagger$ insignificant volume departing site to warrant signal

TABLE 7
EXISTING PLUS PROJECT
PEAK HOUR QUEUES AT SIGNALIZED INTERSECTIONS

| Location | Length (feet) | AM Peak Hour |  | PM Peak Hour |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | VPH | Queue (feet) | VPH | Queue (feet) |
| 1. Cameron Park Drive / Meder Road |  |  |  |  |  |
| SB left | 260 | 115 | 96 | 97 | 94 |
| NB right | 220 | 80 | 26 | 206 | 38 |
| WB left | 155* | 175 | 104 | 148 | 107 |
| WB right | 155 | 73 | 25 | 99 | 33 |

## CUMULATIVE IMPACTS (2040)

The analysis of the long range 2040 cumulative condition is intended to consider the impact of this project within the context of buildout of the General Plan circulation element occurring in 2040. This project is consistent with the General Plan which identifies the land for commercial use, and the Zoning Map which identifies the area as Commercial, Limited. Therefore, due to this consistency, a Cumulative analysis is not required.

## ON-SITE TRANSPORTATION REVIEW

An on-site review of the facilities was conducted based on the County's TIS Guidelines.
Accident Review of Local Roadways. SWITRS collision data in the project location was reviewed for the three-year period 2017 through 2019. In the vicinity of the project, within 300 feet of the Cameron Park Drive / Mira Loma Drive intersection. Seven crashes were identified in this time period. Of these, three occurred within 50 feet or within the intersection while three occurred 100 feet or more outside of the intersection on Cameron Park Drive; the seventh crash occurred along Mira Loma Drive 300 feet west of the Cameron Park Drive intersection.

A review of the three crashes occurring in the vicinity of the intersection does not indicate a recurrence of a specific type of collision as the primary collision factors included failure to yield after stopping, a broadside crash and a sideswipe. The crashes outside of the intersection include two hit objects, one being a DDUI and a broadside crash while performing a U-turn. The crash on the west side of Mira Loma Drive was categorized as an unsafe turn.

Site Circulation / Driveway Locations / Driveway Throat Depth. One driveway is proposed for the site and will be located at the far east side of the parcel. Full access will be provided, and the kiosk is situated consistent with County standards having the drive-through situated at the rear of the site, relative to the driveway. Customers will enter the site and proceed in counterclockwise movement around the perimeter. As this site contains only the drive-through coffee kiosk there is no internal site circulation other than customers entering and exiting.

El Dorado County Parking and Loading Standards identifies requirements for fast food restaurants with drive-through facilities; it is assumed that coffee kiosks would follow the same requirements. Drive-through facilities are to be located at the back of a parcel with the stacking lane physically separated from other on-site circulation. This allows any possible overflow of the stacking lane to be contained on the site. A minimum of four cars per drive-through window in addition to the car receiving service is required.

As noted earlier, the kiosk is situated at the back of the site, along the Cameron Park Drive frontage, but allowing vehicles to circulate between the kiosk and the property line. The location of the kiosk is shifted slightly south, allowing queuing on site to be maximized. The kiosk is situated to allow about nine vehicles to queue. The driveway provides a throat depth of about 50 feet; however, additional queueing is available on-site between the throat and the kiosk.

Parking and Drive-Through Requirements. Parking requirements were reviewed to determine needed parking due to the zoning code and requirements relative to projected parking demand. The County does not have a parking requirement specific to this land use. Instead, the "Restaurant and Brewpub" Use Type was used. This land use identifies that there should be one parking stall for every 250 square feet of Gross Floor Area (GFA). Under this condition and the 360 square foot kiosk, two parking stalls are required. The project layout identifies five parking stalls along the south side of the site. This will allow staffing of the kiosk to be maintained and could allow some customers to walk up and order.

Sight Distance. Sight distance was analyzed for the driveway. Available sight distance was evaluated using the standards documented in the Caltrans Highway Design Manual (HDM). Based on the locations of the driveways "Minimum Stopping Sight Distance" (MSSD) and "Corner Sight Distance" (CSD) was considered. These criteria are documented in Tables 201.1 and 405.1A of the HDM.

The speed limit along Mira Loma Drive is posted at 25 miles per hour (mph). A $35-\mathrm{mph}$ speed, 10 mph over the posted speed, was used to establish sight distance conditions for Mira Loma Drive traffic. Point Loma Commercial Center is adjacent to the project. The commercial center has a driveway access along Mira Loma Drive with the centerline of the driveway about 50 feet east of the project's east property line. Visibility of outbound Point Loma Center vehicles was reviewed to determine whether adequate visibility is available between motorists on both driveways. The Cameron Park Drive intersection is about 160 feet to the west. Sight distance to the west was considered using turning speeds used in analyzing level of service. Left turns were assumed to be made at 15 mph while right runs were issued at 9 mph . Figure 6 presents the sight lines from the approximate driveway location while Table 8 presents the corresponding MSSD, CSD and available sight distance for each of the criteria. Figure 6 also presents the line of sight for motorists exiting both the coffee kiosk and the Point Loma Commercial Center with vehicles stopped at both locations.

TABLE 8
SIGHT DISTANCE CRITERIA

| Location | MSSD | CSD | Available |
| :--- | :---: | :---: | :---: |
| Looking East on Mira Loma Dr <br> $(35 \mathrm{mph})$ | $250^{\prime}$ | $385^{\prime}$ | $400^{\prime}$ |
| Looking to SB left turn lane on Cameron Park Dr <br> $(15 \mathrm{mph})$ | $100^{\prime}$ | $165^{\prime}$ | $190^{\prime}$ |
| Looking to NB right turn lane on Cameron Park Dr <br> $(9 \mathrm{mph})$ | $50^{\prime}$ | $100^{\prime}$ | $160^{\prime}$ |



All distances should be confirmed during preparation of the site civil engineering plan set. To maintain adequate sight distance the lines of sight should be kept clear, without any landscaping materials over 2 feet in height. Signage should also be placed outside of the sight triangles where practicable. Tree limbs and bushes should be cut back or removed as practicable between the project driveway and the Point Loma Commercial Center driveway a minimum of 15 feet from edge of travel way along Mira Loma Drive.

On-Site Truck Loading Demand. The County requires an analysis of truck loading when the number of service calls exceed 10 trucks per day. The project may result in a truck delivery on an infrequent basis. Given the size of the kiosk the anticipated truck would likely be a single unit type. The number of deliveries would be less than 10 trucks per day; therefore, an analysis of truck loading is not required.

While the truck loading will not be met the site will have a truck deliver supplies to the site. The delivery truck is a single-unit truck, 30 feet long. An AutoTurn assessment was conducted to confirm that the movements interior to the site can be completed. Figure 7 presents the evaluation showing trucks able to enter the site, parking and then existing. To exit the site, the vehicle will need to back up and then turn to avoid overtopping the curbs or encroaching within the parking spaces. The drive-through lane will not be affected by the backing movement.


## FINDINGS / DEFICIENCIES / IMPROVEMENTS

The preceding analysis has identified project deficiencies that may occur without improvements to the roadway system. The text that follows identifies a strategy for implementing any improvements. Recommendations are identified for facilities that have deficiencies in the roadway network without the project. If the project causes a deficiency, improvements are identified for the facility.

## Existing Conditions

Intersections
All intersections operate within acceptable El Dorado County LOS thresholds.
Queues
Under current conditions all queues at the Cameron Park Drive / Meder Road intersection are maintained within their respective turn lanes.

## Existing Plus Project Impacts

Intersections
All intersections will operate within acceptable El Dorado County LOS thresholds. The following mitigations are noted:

- The project shall contribute its fair share to the cost of regional circulation improvements via the existing countywide traffic impact mitigation (TIM) fee program.
- The following on-site mitigation should be constructed:

0 Landscaping along the project frontage should be limited to vegetation no higher than 2 feet to provide adequate visibility along Mira Loma Drive.
o Tree limbs and bushes should be cut back or removed as practicable between the project driveway and the Point Loma Commercial Center driveway a minimum of 15 feet from edge of travel way along Mira Loma Drive.

## Queues

Under Existing plus Project conditions, all queues at the Cameron Park Drive / Meder Road intersection will continue to queue within their respective turn lanes.

## REFERENCES

1. Transportation Research Board, Highway Capacity Manual, 2000 and $6^{\text {th }}$ Edition
2. Caltrans Highway Design Manual, 2020
3. California Manual of Uniform Traffic Control Devices, 2014
4. Institute of Transportation Engineers. 2017. Trip Generation, $10^{\text {th }}$ Edition. Washington, D.C.
5. Trip Generation Handbook, Institute of Transportation Engineers, $3^{\text {rd }}$ Edition, 2017

## APPENDICES

TURNING MOVEMENT COUNTS - CAMERON PARK DR / MEDER RD


TURNING MOVEMENT PERCENTAGE


## TURNING MOVEMENT COUNTS - CAMERON PARK DR / MIRA LOMA DR

|  | Mira Loma EB Inbound |  |  | Mira Loma WB Inbound |  |  | Prk Dr Northbound s/o Mira Loma ilCam Park Dr NB Inbound s/o Viradk |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB Left | EB Thru | EB Right | WB Left | WB Thru | WB Right | NB Left | NB Thru | NB Right | SB Left | SB Thru | SB Right |
| Day Part |  |  |  |  |  |  |  |  |  |  |  |  |
| 0: All Day (12am-12am) | 72 | 25 | 386 | 526 | 33 | 508 | 516 | 5,004 | 581 | 582 | 4,619 | 73 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1: 6am (6am-7am) | - | - | 10 | 54 | - | 52 | 21 | 100 | 3 | 4 | 440 |  |
| 2: 7am (7am-8am) | - | - | 17 | 54 | - | 74 | 38 | 227 | 15 | 8 | 445 | 8 |
| 3: 8am (8am-9am) | - | 7 | 22 | 40 | - | 37 | 58 | 165 | 15 | 15 | 254 | 17 |
| 4: 3pm (3pm-4pm) | - | 7 | 44 | 16 | 6 | 32 | 41 | 471 | 33 | 60 | 323 | - |
| 5: 4pm (4pm-5pm) | 9 | - | 49 | 30 | - | 27 | 52 | 467 | 60 | 81 | 333 | 10 |
| 6: 5pm (5pm-6pm) | 8 | - | 25 | 34 | - | 37 | 28 | 558 | 83 | 60 | 417 | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |

turning movement percentage

|  | Mira Loma EB Inbound |  |  | Mira Loma WB Inbound |  |  | rk Dr Northbound s/o Mira Loma ilCam Park Dr NB Inbound s/o Virads |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB Left | EB Thru | EB Right | WB Left | WB Thru | WB Right | NB Left | NB Thru | NB Right | SB Left | SB Thru | SB Right |
| Day Part |  |  |  |  |  |  |  |  |  |  |  |  |
| O: All Day (12am-12am) | 15\% | 5\% | 80\% | 49\% | 3\% | 48\% | 8\% | 82\% | 10\% | 11\% | 88\% | 1\% |
| 1: 6am (6am-7am) | 0\% | 0\% | 100\% | 51\% | 0\% | 49\% | 17\% | 81\% | 2\% | 1\% | 99\% | 0\% |
| 2: 7am (7am-8am) | 0\% | 0\% | 100\% | 42\% | 0\% | 58\% | 14\% | 81\% | 5\% | 2\% | 97\% | 2\% |
| 3: 8am (8am-9am) | 0\% | 24\% | 76\% | 52\% | 0\% | 48\% | 24\% | 69\% | 6\% | 5\% | 89\% | 6\% |
| 4: 3pm (3pm-4pm) | 0\% | 14\% | 86\% | 30\% | 11\% | 59\% | 8\% | 86\% | 6\% | 16\% | 84\% | 0\% |
| 5: 4pm (4pm-5pm) | 16\% | 0\% | 84\% | 53\% | 0\% | 47\% | 9\% | 81\% | 10\% | 19\% | 79\% | 2\% |
| 6: 5 pm ( $5 \mathrm{pm}-6 \mathrm{pm}$ ) | 24\% | 0\% | 76\% | 48\% | 0\% | 52\% | 4\% | 83\% | 12\% | 13\% | 87\% | 0\% |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |

## turning movement counts - Cameron park dr / virada rd

| Day Part | EB Left | EB Thru | EB Right | Virada WB Inbound |  |  | Cam Park Dr NB Inbound s/o ViraddCam Park Dr SB Inbound n/o Virad |  |  |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | WBLeft WBThru WBRight |  |  | NB Left NBThru NBRight |  |  | SB Left | SB Thru | SB Right |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 : All Day (12am-12am) | - | - | - | 179 | - | 146 | - | 5,420 | 294 | 159 | 5,179 | - | 11,377 |
| 1: 6am (6am-7am) | - | - | - | 6 | - | 3 | - | 147 | 1 | 2 | 453 | - | 612 |
| 2: 7am (7am-8am) | - | - | - | 27 | - | 15 | - | 289 | 15 | 8 | 451 | - | 805 |
| 3: 8 am (8am-9am) | - | - | - | 17 | - | 7 | - | 195 | 9 | 9 | 275 | - | 512 |
| 4: 3 pm (3pm-4pm) | - | - | - | 12 | - | 7 | - | 487 | 28 | 11 | 379 | - | 924 |
| 5: 4pm (4pm-5pm) | - | - | - | 7 | - | 14 | - | 498 | 27 | 17 | 415 | - | 978 |
| 6: 5pm (5pm-6pm) | - | - | - | 12 | - | 19 | - | 586 | 34 | 11 | 469 | - | 1,131 |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - | - |

TURNING MOVEMENT PERCENTAGE

| Day Part |  |  |  | Virada WB Inbound |  |  | Cam Park Dr NB Inbound s/o Virad |  |  | Cam Park Dr SB Inbound n/o Viradz |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB Left | EB Thru | $\underline{\text { EB Right }}$ | WB Left | WB Thru | WB Right | NB Left | NB Thru | NB Right |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1: 6am (6am-7am) | - | - | - | 67\% | 0\% | 33\% | 0\% | 99\% | 1\% | 0\% | 100\% | 0\% |
| 2: 7am (7am-8am) | - | - | - | 64\% | 0\% | 36\% | 0\% | 95\% | 5\% | 2\% | 98\% | 0\% |
| 3: 8am (8am-9am) | - | - | - | 71\% | 0\% | 29\% | 0\% | 96\% | 4\% | 3\% | 97\% | 0\% |
| 4:3pm (3pm-4pm) | - | - | - | 63\% | 0\% | 37\% | 0\% | 95\% | 5\% | 3\% | 97\% | 0\% |
| 5: 4pm (4pm-5pm) | - | - | - | 33\% | 0\% | 67\% | 0\% | 95\% | 5\% | 4\% | 96\% | 0\% |
| 6: 5pm (5pm-6pm) | - | - | - | 39\% | 0\% | 61\% | 0\% | 95\% | 5\% | 2\% | 98\% | 0\% |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |

TURNING MOVEMENT COUNTS

| Day Part | Mira Loma WB Inbound |  |  | Mira Loma east of DW INBOUND WLLoma Driveway NB Inbound to Mird |  |  |  |  |  | SB Left | SB Thru | SB Right |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB Left | EB Thru | EB Right | WB Left | WB Thru | WB Right | NB Left | NB Thru | NB Right |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 : All Day (12am-12am) | - | 977 | 139 | 118 | 927 | - | 147 | - | 160 | - | - | - |
| 1: 6am (6am-7am) | - | 4 | 2 | 5 | 97 | - | - | - | - | - | - | - |
| 2: 7 am (7am-8am) | - | 13 | 9 | 7 | 104 | - | - | - | 3 | - | - | - |
| 3: 8am (8am-9am) | - | 31 | 13 | 11 | 56 | - | - | - | - | - | - | - |
| 4: 9am (9am-10am) | - | 23 | 22 | 17 | 58 | - | 7 | - | 10 | - | - | - |
| 5: 3pm (3pm-4pm) | - | 93 | 8 | 7 | 56 | - | 12 | - | 11 | - | - | - |
| 6: 4pm (4pm-5pm) | - | 120 | 10 | 6 | 50 | - | 12 | - | 21 | - | - | - |
| 7: 5pm (5pm-6pm) | - | 138 | 7 | 12 | 53 | - | 24 | - | 18 | - | - | - |
| 8: 6 pm ( $6 \mathrm{pm}-7 \mathrm{pm}$ ) | - | 88 | 4 | 5 | 54 | - | 9 | - | 9 | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | . |

TURNING MOVEMENT PERCENTAGE

| Day Part | Mira Loma WB Inbound |  |  | Mira Loma east of DW INBOUND WLoma Driveway NB Inbound to Mird |  |  |  |  |  | SB Left | SB Thru | SB Right |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EB Left | EB Thru | EB Right | WB Left | WB Thru | WB Right | NB Left | NB Thru | NB Right |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0: All Day (12am-12am) | 0\% | 88\% | 12\% | 11\% | 89\% | 0\% | 48\% | 0\% | 52\% | - | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1: 6am (6am-7am) | 0\% | 67\% | 33\% | 5\% | 95\% | 0\% | - | - | - | - | - | - |
| 2: 7 am (7am-8am) | 0\% | 59\% | 41\% | 6\% | 94\% | 0\% | 0\% | 0\% | 100\% | - | - | - |
| 3: 8am (8am-9am) | 0\% | 70\% | 30\% | 16\% | 84\% | 0\% | - | - | - | - | - | - |
| 4: 9am (9am-10am) | 0\% | 51\% | 49\% | 23\% | 77\% | 0\% | 41\% | 0\% | 59\% | - | - | - |
| 5: 3pm (3pm-4pm) | 0\% | 92\% | 8\% | 11\% | 89\% | 0\% | 52\% | 0\% | 48\% | - | - | - |
| 6: 4 pm (4pm-5pm) | 0\% | 92\% | 8\% | 11\% | 89\% | 0\% | 36\% | 0\% | 64\% | - | - | - |
| 7: 5pm (5pm-6pm) | 0\% | 95\% | 5\% | 18\% | 82\% | 0\% | 57\% | 0\% | 43\% | - | - | - |
| 8: $6 \mathrm{pm}(6 \mathrm{pm}-7 \mathrm{pm})$ | 0\% | 96\% | 4\% | 8\% | 92\% | 0\% | 50\% | 0\% | 50\% | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |
|  | - | - | - | - | - | - | - | - | - | - | - | - |

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 6, 2019

| Count Statio City/Town: Road Name Lanes: | 1100200 <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | ```72 0.02 100 Ft. N. of Robin Lane NORTHBOUND``` |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 6 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 16 | 11 | 19 | 12 | 15 | 14 | 24 | 16 | 14 |
| 200 | 13 | 6 | 13 | 13 | 11 | 13 | 9 | 11 | 11 |
| 300 | 12 | 4 | 7 | 5 | 5 | 6 | 11 | 7 | 5 |
| 400 | 13 | 5 | 3 | 14 | 12 | 9 | 6 | 9 | 9 |
| 500 | 6 | 15 | 21 | 17 | 15 | 15 | 7 | 14 | 17 |
| 600 | 13 | 48 | 43 | 50 | 46 | 38 | 23 | 37 | 45 |
| 700 | 28 | 108 | 107 | 72 | 93 | 100 | 31 | 77 | 96 |
| 800 | 37 | 139 | 186 | 158 | 165 | 170 | 89 | 135 | 164 |
| 900 | 88 | 212 | 226 | 221 | 245 | 230 | 189 | 202 | 227 |
| 1000 | 160 | 254 | 265 | 260 | 249 | 322 | 247 | 251 | 270 |
| 1100 | 203 | 288 | 327 | 321 | 323 | 334 | 319 | 302 | 319 |
| 1200 | 263 | 358 | 415 | 392 | 390 | 428 | 389 | 376 | 397 |
| 1300 | 350 | 470 | 440 | 464 | 426 | 450 | 408 | 430 | 450 |
| 1400 | 350 | 409 | 429 | 407 | 391 | 474 | 402 | 409 | 422 |
| 1500 | 346 | 432 | 415 | 423 | 395 | 481 | 351 | 406 | 429 |
| 1600 | 289 | 491 | 491 | 443 | 467 | 502 | 323 | 429 | 479 |
| 1700 | 319 | 509 | 527 | 421 | 437 | 496 | 327 | 434 | 478 |
| 1800 | 280 | 487 | 579 | 468 | 486 | 519 | 320 | 448 | 508 |
| 1900 | 221 | 336 | 373 | 333 | 344 | 357 | 235 | 314 | 349 |
| 2000 | 186 | 224 | 245 | 205 | 177 | 247 | 203 | 212 | 220 |
| 2100 | 102 | 145 | 130 | 99 | 114 | 168 | 153 | 130 | 131 |
| 2200 | 69 | 81 | 95 | 74 | 91 | 118 | 91 | 88 | 92 |
| 2300 | 47 | 30 | 45 | 34 | 39 | 58 | 48 | 43 | 41 |
| 2400 | 31 | 31 | 27 | 23 | 14 | 34 | 41 | 29 | 26 |
| Totals | 3442 | 5093 | 5428 | 4929 | 4950 | 5583 | 4246 | 4810 | 5197 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 263 | 358 | 415 | 392 | 390 | 428 | 389 | 376 | 397 |
| PM Peak Hr | 1:00 | 5:00 | 6:00 | 6:00 | 6:00 | 6:00 | 1:00 | 6:00 | 6:00 |
| PM Count | 350 | 509 | 579 | 468 | 486 | 519 | 408 | 448 | 508 |

TOTAL ADT:
9,788

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 6, 2019

| Count Statio City/Town: Road Name Lanes: | 1100200 <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | ```72 0.02 100 Ft. N. of Robin Lane SOUTHBOUND``` |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 6 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 18 | 12 | 13 | 14 | 11 | 11 | 16 | 14 | 12 |
| 200 | 11 | 6 | 8 | 13 | 15 | 11 | 12 | 11 | 11 |
| 300 | 14 | 6 | 5 | 3 | 6 | 3 | 4 | 6 | 5 |
| 400 | 9 | 1 | 6 | 3 | 8 | 3 | 9 | 6 | 4 |
| 500 | 9 | 30 | 35 | 28 | 38 | 21 | 12 | 25 | 30 |
| 600 | 12 | 61 | 80 | 53 | 55 | 66 | 18 | 49 | 63 |
| 700 | 21 | 159 | 129 | 119 | 161 | 134 | 50 | 110 | 140 |
| 800 | 29 | 212 | 197 | 209 | 198 | 219 | 107 | 167 | 207 |
| 900 | 80 | 222 | 292 | 255 | 308 | 261 | 143 | 223 | 268 |
| 1000 | 143 | 249 | 246 | 270 | 251 | 293 | 211 | 238 | 262 |
| 1100 | 200 | 290 | 328 | 269 | 301 | 328 | 291 | 287 | 303 |
| 1200 | 255 | 356 | 350 | 342 | 307 | 364 | 360 | 333 | 344 |
| 1300 | 286 | 389 | 404 | 374 | 372 | 395 | 350 | 367 | 387 |
| 1400 | 299 | 377 | 383 | 393 | 369 | 434 | 333 | 370 | 391 |
| 1500 | 273 | 384 | 349 | 357 | 347 | 427 | 333 | 353 | 373 |
| 1600 | 263 | 410 | 369 | 350 | 352 | 422 | 317 | 355 | 381 |
| 1700 | 285 | 406 | 372 | 332 | 372 | 382 | 302 | 350 | 373 |
| 1800 | 253 | 368 | 455 | 334 | 322 | 384 | 270 | 341 | 373 |
| 1900 | 172 | 282 | 319 | 243 | 245 | 264 | 205 | 247 | 271 |
| 2000 | 138 | 200 | 220 | 138 | 141 | 141 | 138 | 159 | 168 |
| 2100 | 81 | 103 | 96 | 72 | 76 | 100 | 85 | 88 | 89 |
| 2200 | 71 | 68 | 72 | 53 | 70 | 77 | 66 | 68 | 68 |
| 2300 | 41 | 33 | 66 | 34 | 33 | 52 | 49 | 44 | 44 |
| 2400 | 23 | 21 | 27 | 21 | 22 | 39 | 34 | 27 | 26 |
| Totals | 2986 | 4645 | 4821 | 4279 | 4380 | 4831 | 3715 | 4237 | 4591 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 9:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 255 | 356 | 350 | 342 | 308 | 364 | 360 | 333 | 344 |
| PM Peak Hr | 2:00 | 4:00 | 6:00 | 2:00 | 1:00 | 2:00 | 1:00 | 2:00 | 2:00 |
| PM Count | 299 | 410 | 455 | 393 | 372 | 434 | 350 | 370 | 391 |

TOTAL ADT: 9,788

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1100200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | 62 $0.02$ <br> 100 Ft. N. of Robin Lane NORTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \\ \hline \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 19 | 5 | 19 | 13 | 20 | 22 | 22 | 17 | 16 |
| 200 | 10 | 6 | 8 | 11 | 8 | 12 | 11 | 9 | 9 |
| 300 | 12 | 4 | 6 | 7 | 6 | 12 | 6 | 8 | 7 |
| 400 | 2 | 4 | 8 | 7 | 5 | 5 | 5 | 5 | 6 |
| 500 | 10 | 19 | 25 | 17 | 19 | 24 | 8 | 17 | 21 |
| 600 | 8 | 38 | 56 | 55 | 47 | 54 | 25 | 40 | 50 |
| 700 | 27 | 121 | 100 | 124 | 135 | 129 | 38 | 96 | 122 |
| 800 | 79 | 173 | 195 | 208 | 200 | 177 | 86 | 160 | 191 |
| 900 | 219 | 208 | 261 | 247 | 249 | 258 | 196 | 234 | 245 |
| 1000 | 220 | 280 | 280 | 305 | 267 | 300 | 306 | 280 | 286 |
| 1100 | 268 | 306 | 376 | 306 | 319 | 386 | 440 | 343 | 339 |
| 1200 | 319 | 422 | 443 | 432 | 452 | 486 | 488 | 435 | 447 |
| 1300 | 333 | 451 | 555 | 518 | 534 | 532 | 496 | 488 | 518 |
| 1400 | 293 | 401 | 536 | 500 | 470 | 515 | 455 | 453 | 484 |
| 1500 | 270 | 451 | 474 | 500 | 505 | 529 | 448 | 454 | 492 |
| 1600 | 216 | 431 | 509 | 527 | 498 | 557 | 427 | 452 | 504 |
| 1700 | 199 | 469 | 527 | 507 | 552 | 499 | 345 | 443 | 511 |
| 1800 | 194 | 434 | 521 | 518 | 516 | 489 | 356 | 433 | 496 |
| 1900 | 132 | 369 | 310 | 381 | 303 | 384 | 400 | 326 | 349 |
| 2000 | 66 | 173 | 230 | 228 | 171 | 306 | 153 | 190 | 222 |
| 2100 | 45 | 94 | 126 | 128 | 102 | 167 | 75 | 105 | 123 |
| 2200 | 18 | 72 | 55 | 82 | 83 | 132 | 40 | 69 | 85 |
| 2300 | 16 | 20 | 33 | 51 | 48 | 62 | 35 | 38 | 43 |
| 2400 | 9 | 21 | 20 | 15 | 24 | 32 | 24 | 21 | 22 |
| Totals | 2984 | 4972 | 5673 | 5687 | 5533 | 6069 | 4885 | 5115 | 5587 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 319 | 422 | 443 | 432 | 452 | 486 | 488 | 435 | 447 |
| PM Peak Hr | 1:00 | 5:00 | 1:00 | 4:00 | 5:00 | 4:00 | 1:00 | 1:00 | 1:00 |
| PM Count | 333 | 469 | 555 | 527 | 552 | 557 | 496 | 488 | 518 |

TOTAL ADT:
10,438

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | ```1100200 Cameron Park Cameron Park Drive 2``` |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $\begin{aligned} & 62 \\ & 0.02 \\ & 100 \text { Ft. N. of Robin Lane } \\ & \text { SOUTHBOUND } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 28 | 12 | 7 | 11 | 11 | 10 | 20 | 14 | 10 |
| 200 | 10 | 2 | 7 | 8 | 13 | 12 | 9 | 9 | 8 |
| 300 | 8 | 5 | 10 | 11 | 9 | 5 | 6 | 8 | 8 |
| 400 | 6 | 3 | 9 | 7 | 7 | 10 | 5 | 7 | 7 |
| 500 | 6 | 8 | 44 | 45 | 45 | 33 | 12 | 28 | 35 |
| 600 | 5 | 45 | 81 | 87 | 80 | 80 | 25 | 58 | 75 |
| 700 | 12 | 117 | 138 | 151 | 143 | 141 | 41 | 106 | 138 |
| 800 | 59 | 146 | 214 | 189 | 189 | 220 | 84 | 157 | 192 |
| 900 | 110 | 165 | 286 | 304 | 290 | 297 | 190 | 235 | 268 |
| 1000 | 184 | 200 | 317 | 309 | 313 | 333 | 282 | 277 | 294 |
| 1100 | 199 | 236 | 337 | 334 | 306 | 374 | 378 | 309 | 317 |
| 1200 | 236 | 330 | 385 | 391 | 337 | 408 | 437 | 361 | 370 |
| 1300 | 233 | 366 | 435 | 465 | 450 | 417 | 410 | 397 | 427 |
| 1400 | 199 | 361 | 424 | 461 | 425 | 420 | 416 | 387 | 418 |
| 1500 | 187 | 372 | 412 | 466 | 446 | 447 | 358 | 384 | 429 |
| 1600 | 163 | 359 | 417 | 414 | 425 | 514 | 332 | 375 | 426 |
| 1700 | 189 | 400 | 374 | 430 | 379 | 411 | 286 | 353 | 399 |
| 1800 | 153 | 344 | 356 | 396 | 311 | 366 | 263 | 313 | 355 |
| 1900 | 100 | 277 | 304 | 271 | 217 | 311 | 262 | 249 | 276 |
| 2000 | 72 | 158 | 190 | 166 | 126 | 192 | 130 | 148 | 166 |
| 2100 | 49 | 81 | 77 | 90 | 140 | 116 | 84 | 91 | 101 |
| 2200 | 36 | 48 | 50 | 47 | 87 | 79 | 72 | 60 | 62 |
| 2300 | 16 | 28 | 35 | 46 | 39 | 63 | 47 | 39 | 42 |
| 2400 | 10 | 24 | 22 | 21 | 38 | 33 | 25 | 25 | 28 |
| Totals | 2270 | 4087 | 4931 | 5120 | 4826 | 5292 | 4174 | 4386 | 4851 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 236 | 330 | 385 | 391 | 337 | 408 | 437 | 361 | 370 |
| PM Peak Hr | 1:00 | 5:00 | 1:00 | 3:00 | 1:00 | 4:00 | 2:00 | 1:00 | 3:00 |
| PM Count | 233 | 400 | 435 | 466 | 450 | 514 | 416 | 397 | 429 |

TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1200200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $\begin{aligned} & 62 \\ & 0.16 \\ & 100 \text { Ft. N. of Coach Ln } \\ & \text { NORTHBOUND } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 60 | 12 | 45 | 52 | 53 | 42 | 108 | 53 | 41 |
| 200 | 24 | 11 | 24 | 36 | 34 | 31 | 50 | 30 | 27 |
| 300 | 28 | 7 | 24 | 22 | 32 | 39 | 32 | 26 | 25 |
| 400 | 20 | 14 | 25 | 22 | 20 | 24 | 35 | 23 | 21 |
| 500 | 23 | 36 | 49 | 44 | 43 | 53 | 26 | 39 | 45 |
| 600 | 43 | 88 | 128 | 123 | 134 | 146 | 92 | 108 | 124 |
| 700 | 100 | 212 | 266 | 314 | 285 | 340 | 142 | 237 | 283 |
| 800 | 230 | 353 | 398 | 413 | 413 | 433 | 232 | 353 | 402 |
| 900 | 496 | 432 | 528 | 539 | 522 | 548 | 433 | 500 | 514 |
| 1000 | 588 | 572 | 604 | 609 | 586 | 668 | 658 | 612 | 608 |
| 1100 | 626 | 630 | 721 | 677 | 661 | 758 | 864 | 705 | 689 |
| 1200 | 640 | 747 | 845 | 842 | 814 | 874 | 970 | 819 | 824 |
| 1300 | 685 | 871 | 1066 | 1072 | 1000 | 1030 | 1000 | 961 | 1008 |
| 1400 | 615 | 872 | 1078 | 1033 | 958 | 1090 | 1046 | 956 | 1006 |
| 1500 | 536 | 926 | 1012 | 1038 | 1016 | 1028 | 970 | 932 | 1004 |
| 1600 | 516 | 898 | 1036 | 1006 | 1024 | 1093 | 870 | 920 | 1011 |
| 1700 | 481 | 943 | 1120 | 1079 | 1075 | 1034 | 794 | 932 | 1050 |
| 1800 | 488 | 964 | 1070 | 1051 | 1052 | 993 | 811 | 918 | 1026 |
| 1900 | 366 | 876 | 903 | 938 | 788 | 920 | 951 | 820 | 885 |
| 2000 | 242 | 620 | 642 | 632 | 496 | 730 | 540 | 557 | 624 |
| 2100 | 160 | 369 | 450 | 400 | 465 | 536 | 274 | 379 | 444 |
| 2200 | 108 | 232 | 250 | 306 | 333 | 418 | 196 | 263 | 308 |
| 2300 | 68 | 135 | 145 | 178 | 204 | 276 | 134 | 163 | 188 |
| 2400 | 46 | 82 | 91 | 98 | 108 | 124 | 86 | 91 | 101 |
| Totals | 7189 | 10902 | 12520 | 12524 | 12116 | 13228 | 11314 | 11399 | 12258 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 640 | 747 | 845 | 842 | 814 | 874 | 970 | 819 | 824 |
| PM Peak Hr | 1:00 | 6:00 | 5:00 | 5:00 | 5:00 | 4:00 | 2:00 | 1:00 | 5:00 |
| PM Count | 685 | 964 | 1120 | 1079 | 1075 | 1093 | 1046 | 961 | 1050 |

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | 1200200 <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $\begin{aligned} & 62 \\ & 0.16 \\ & 100 \text { Ft. N. of Coach Ln } \\ & \text { SOUTHBOUND } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| Day Time | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 77 | 20 | 28 | 52 | 49 | 40 | 72 | 48 | 38 |
| 200 | 28 | 14 | 26 | 32 | 32 | 30 | 47 | 30 | 27 |
| 300 | 30 | 20 | 36 | 30 | 34 | 31 | 32 | 30 | 30 |
| 400 | 32 | 23 | 30 | 44 | 43 | 46 | 34 | 36 | 37 |
| 500 | 30 | 41 | 123 | 100 | 109 | 112 | 76 | 84 | 97 |
| 600 | 46 | 127 | 208 | 232 | 238 | 234 | 138 | 175 | 208 |
| 700 | 94 | 220 | 373 | 408 | 383 | 426 | 177 | 297 | 362 |
| 800 | 290 | 389 | 615 | 604 | 585 | 635 | 372 | 499 | 566 |
| 900 | 486 | 540 | 788 | 874 | 812 | 840 | 598 | 705 | 771 |
| 1000 | 684 | 704 | 896 | 840 | 840 | 956 | 840 | 823 | 847 |
| 1100 | 683 | 751 | 948 | 956 | 858 | 1010 | 1082 | 898 | 905 |
| 1200 | 718 | 960 | 1127 | 1099 | 970 | 1124 | 1189 | 1027 | 1056 |
| 1300 | 734 | 1176 | 1299 | 1258 | 1214 | 1226 | 1234 | 1163 | 1235 |
| 1400 | 668 | 1104 | 1142 | 1198 | 1126 | 1119 | 1085 | 1063 | 1138 |
| 1500 | 572 | 1063 | 1153 | 1162 | 1154 | 1238 | 1042 | 1055 | 1154 |
| 1600 | 559 | 1137 | 1184 | 1138 | 1136 | 1360 | 968 | 1069 | 1191 |
| 1700 | 569 | 1116 | 1216 | 1229 | 1186 | 1135 | 764 | 1031 | 1176 |
| 1800 | 516 | 1079 | 1175 | 1164 | 1047 | 1151 | 798 | 990 | 1123 |
| 1900 | 384 | 946 | 950 | 871 | 710 | 959 | 792 | 802 | 887 |
| 2000 | 235 | 552 | 582 | 540 | 487 | 666 | 493 | 508 | 565 |
| 2100 | 178 | 298 | 334 | 323 | 542 | 438 | 312 | 346 | 387 |
| 2200 | 144 | 187 | 208 | 230 | 328 | 396 | 235 | 247 | 270 |
| 2300 | 85 | 134 | 98 | 138 | 150 | 213 | 146 | 138 | 147 |
| 2400 | 40 | 74 | 81 | 94 | 98 | 118 | 90 | 85 | 93 |
| Totals | 7882 | 12675 | 14620 | 14616 | 14131 | 15503 | 12616 | 13149 | 14309 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 718 | 960 | 1127 | 1099 | 970 | 1124 | 1189 | 1027 | 1056 |
| PM Peak Hr | 1:00 | 1:00 | 1:00 | 1:00 | 1:00 | 4:00 | 1:00 | 1:00 | 1:00 |
| PM Count | 734 | 1176 | 1299 | 1258 | 1214 | 1360 | 1234 | 1163 | 1235 |

TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:

| Count Statio City/Town: Road Name Lanes: | $1600200$ <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | ```6 3 0 . 5 4 500 Ft. S. of Hacienda Dr. NORTHBOUND``` |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 6 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 75 | 53 | 46 | 47 | 49 | 49 | 74 | 56 | 49 |
| 200 | 47 | 23 | 17 | 18 | 29 | 29 | 33 | 28 | 23 |
| 300 | 47 | 13 | 16 | 11 | 7 | 14 | 37 | 21 | 12 |
| 400 | 48 | 11 | 7 | 10 | 13 | 17 | 15 | 17 | 12 |
| 500 | 21 | 28 | 22 | 18 | 19 | 20 | 11 | 20 | 21 |
| 600 | 19 | 68 | 69 | 63 | 59 | 74 | 29 | 54 | 67 |
| 700 | 54 | 167 | 169 | 167 | 169 | 164 | 90 | 140 | 167 |
| 800 | 74 | 364 | 369 | 333 | 366 | 401 | 159 | 295 | 367 |
| 900 | 159 | 418 | 463 | 446 | 444 | 449 | 300 | 383 | 444 |
| 1000 | 318 | 441 | 428 | 399 | 411 | 463 | 426 | 412 | 428 |
| 1100 | 384 | 511 | 506 | 489 | 465 | 538 | 509 | 486 | 502 |
| 1200 | 530 | 611 | 618 | 601 | 546 | 634 | 619 | 594 | 602 |
| 1300 | 658 | 701 | 637 | 690 | 658 | 675 | 662 | 669 | 672 |
| 1400 | 666 | 669 | 667 | 705 | 695 | 785 | 728 | 702 | 704 |
| 1500 | 659 | 810 | 752 | 736 | 753 | 869 | 666 | 749 | 784 |
| 1600 | 691 | 917 | 917 | 856 | 882 | 956 | 725 | 849 | 906 |
| 1700 | 588 | 1012 | 1008 | 934 | 924 | 746 | 697 | 844 | 925 |
| 1800 | 639 | 1065 | 1002 | 974 | 1012 | 656 | 648 | 857 | 942 |
| 1900 | 509 | 786 | 757 | 712 | 784 | 701 | 534 | 683 | 748 |
| 2000 | 444 | 546 | 578 | 446 | 490 | 538 | 430 | 496 | 520 |
| 2100 | 327 | 407 | 436 | 388 | 391 | 393 | 403 | 392 | 403 |
| 2200 | 214 | 220 | 303 | 235 | 267 | 296 | 264 | 257 | 264 |
| 2300 | 130 | 140 | 149 | 143 | 147 | 196 | 215 | 160 | 155 |
| 2400 | 77 | 81 | 84 | 83 | 87 | 133 | 103 | 93 | 94 |
| Totals | 7378 | 10062 | 10020 | 9504 | 9667 | 9796 | 8377 | 9258 | 9810 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 530 | 611 | 618 | 601 | 546 | 634 | 619 | 594 | 602 |
| PM Peak Hr | 4:00 | 6:00 | 5:00 | 6:00 | 6:00 | 4:00 | 2:00 | 6:00 | 6:00 |
| PM Count | 691 | 1065 | 1008 | 974 | 1012 | 956 | 728 | 857 | 942 |

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 6, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1600200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $63$ <br> 0.54 <br> 500 Ft. S. of Hacienda Dr. SOUTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 6 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{gathered} \hline \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 42 | 28 | 20 | 20 | 25 | 31 | 34 | 29 | 25 |
| 200 | 39 | 22 | 14 | 13 | 17 | 15 | 33 | 22 | 16 |
| 300 | 39 | 17 | 12 | 8 | 14 | 20 | 15 | 18 | 14 |
| 400 | 31 | 31 | 29 | 28 | 27 | 30 | 26 | 29 | 29 |
| 500 | 36 | 90 | 84 | 94 | 83 | 70 | 38 | 71 | 84 |
| 600 | 58 | 243 | 235 | 251 | 264 | 246 | 91 | 198 | 248 |
| 700 | 107 | 483 | 496 | 519 | 498 | 493 | 189 | 398 | 498 |
| 800 | 179 | 765 | 808 | 820 | 835 | 807 | 319 | 648 | 807 |
| 900 | 311 | 740 | 744 | 780 | 717 | 797 | 526 | 659 | 756 |
| 1000 | 415 | 588 | 646 | 561 | 583 | 654 | 599 | 578 | 606 |
| 1100 | 573 | 614 | 610 | 605 | 578 | 655 | 636 | 610 | 612 |
| 1200 | 598 | 679 | 670 | 619 | 641 | 687 | 747 | 663 | 659 |
| 1300 | 663 | 702 | 621 | 707 | 700 | 708 | 701 | 686 | 688 |
| 1400 | 649 | 690 | 651 | 628 | 637 | 718 | 621 | 656 | 665 |
| 1500 | 588 | 695 | 691 | 675 | 647 | 727 | 581 | 658 | 687 |
| 1600 | 543 | 781 | 799 | 598 | 638 | 788 | 591 | 677 | 721 |
| 1700 | 541 | 757 | 692 | 644 | 682 | 588 | 595 | 643 | 673 |
| 1800 | 501 | 643 | 659 | 599 | 635 | 533 | 553 | 589 | 614 |
| 1900 | 351 | 554 | 526 | 478 | 517 | 556 | 436 | 488 | 526 |
| 2000 | 295 | 352 | 376 | 254 | 230 | 355 | 286 | 307 | 313 |
| 2100 | 229 | 217 | 245 | 193 | 204 | 193 | 245 | 218 | 210 |
| 2200 | 147 | 131 | 145 | 114 | 153 | 164 | 171 | 146 | 141 |
| 2300 | 78 | 93 | 100 | 83 | 67 | 123 | 123 | 95 | 93 |
| 2400 | 55 | 36 | 45 | 45 | 51 | 77 | 73 | 55 | 51 |
| Totals | 7068 | 9951 | 9918 | 9336 | 9443 | 10035 | 8229 | 9140 | 9737 |
| AM Peak Hr | 12:00 | 8:00 | 8:00 | 8:00 | 8:00 | 8:00 | 12:00 | 12:00 | 8:00 |
| AM Count | 598 | 765 | 808 | 820 | 835 | 807 | 747 | 663 | 807 |
| PM Peak Hr | 1:00 | 4:00 | 4:00 | 1:00 | 1:00 | 4:00 | 1:00 | 1:00 | 4:00 |
| PM Count | 663 | 781 | 799 | 707 | 700 | 788 | 701 | 686 | 721 |

TOTAL ADT:
19,547

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
February 28, 2019

| Count Statio City/Town: Road Name Lanes: | $1700200$ <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | ```TLS #2 1.81 200 Ft. S. of Meder Rd. SOUTHBOUND``` |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 3 | 4 | 5 | 6 | 28 | 1 | 2 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \\ \hline \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 41 | 19 | 19 | 22 | 19 | 20 | 31 | 24 | 20 |
| 200 | 21 | 12 | 7 | 13 | 18 | 16 | 23 | 16 | 13 |
| 300 | 21 | 22 | 16 | 8 | 19 | 16 | 27 | 18 | 16 |
| 400 | 18 | 18 | 27 | 21 | 25 | 23 | 18 | 21 | 23 |
| 500 | 22 | 76 | 67 | 71 | 65 | 60 | 32 | 56 | 68 |
| 600 | 44 | 210 | 196 | 180 | 193 | 190 | 80 | 156 | 194 |
| 700 | 89 | 365 | 386 | 399 | 371 | 381 | 113 | 301 | 380 |
| 800 | 174 | 645 | 631 | 652 | 622 | 643 | 223 | 513 | 639 |
| 900 | 292 | 587 | 599 | 603 | 623 | 633 | 337 | 525 | 609 |
| 1000 | 364 | 459 | 503 | 428 | 456 | 515 | 456 | 454 | 472 |
| 1100 | 432 | 476 | 479 | 486 | 483 | 530 | 486 | 482 | 491 |
| 1200 | 407 | 562 | 488 | 493 | 529 | 579 | 530 | 513 | 530 |
| 1300 | 468 | 583 | 555 | 591 | 606 | 650 | 512 | 566 | 597 |
| 1400 | 459 | 623 | 514 | 509 | 556 | 622 | 512 | 542 | 565 |
| 1500 | 400 | 569 | 564 | 662 | 652 | 648 | 507 | 572 | 619 |
| 1600 | 337 | 625 | 674 | 530 | 624 | 658 | 463 | 559 | 622 |
| 1700 | 364 | 622 | 621 | 557 | 587 | 697 | 443 | 556 | 617 |
| 1800 | 357 | 593 | 537 | 519 | 555 | 695 | 431 | 527 | 580 |
| 1900 | 294 | 408 | 427 | 417 | 485 | 508 | 316 | 408 | 449 |
| 2000 | 206 | 227 | 215 | 226 | 246 | 305 | 255 | 240 | 244 |
| 2100 | 148 | 151 | 159 | 169 | 175 | 217 | 182 | 172 | 174 |
| 2200 | 97 | 114 | 115 | 98 | 137 | 151 | 163 | 125 | 123 |
| 2300 | 63 | 53 | 66 | 73 | 86 | 102 | 103 | 78 | 76 |
| 2400 | 41 | 52 | 38 | 38 | 48 | 63 | 72 | 50 | 48 |
| Totals | 5159 | 8071 | 7903 | 7765 | 8180 | 8922 | 6315 | 7474 | 8168 |
| AM Peak Hr | 11:00 | 8:00 | 8:00 | 8:00 | 9:00 | 8:00 | 12:00 | 9:00 | 8:00 |
| AM Count | 432 | 645 | 631 | 652 | 623 | 643 | 530 | 525 | 639 |
| PM Peak Hr | 1:00 | 4:00 | 4:00 | 3:00 | 3:00 | 5:00 | 1:00 | 3:00 | 4:00 |
| PM Count | 468 | 625 | 674 | 662 | 652 | 697 | 512 | 572 | 622 |

TOTAL ADT:


TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $1700200$ <br> Cameron Park Cameron Park Drive $2$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $\begin{aligned} & \text { TLS \#4 } \\ & \mathbf{1 . 8 1} \\ & 200 \text { Ft. S. of Meder Rd. } \\ & \text { SOUTHBOUND } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 20 | 21 | 22 | 16 | 17 | 18 | 19 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \\ \hline \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 59 | 25 | 18 | 14 | 25 | 25 | 55 | 32 | 21 |
| 200 | 33 | 15 | 11 | 20 | 11 | 16 | 29 | 19 | 15 |
| 300 | 18 | 14 | 14 | 15 | 12 | 16 | 16 | 15 | 14 |
| 400 | 25 | 32 | 29 | 19 | 25 | 18 | 23 | 24 | 25 |
| 500 | 18 | 71 | 57 | 64 | 64 | 66 | 29 | 53 | 64 |
| 600 | 42 | 204 | 218 | 203 | 206 | 192 | 93 | 165 | 205 |
| 700 | 100 | 375 | 383 | 397 | 387 | 379 | 119 | 306 | 384 |
| 800 | 173 | 648 | 683 | 714 | 659 | 620 | 257 | 536 | 665 |
| 900 | 354 | 618 | 623 | 626 | 652 | 639 | 389 | 557 | 632 |
| 1000 | 419 | 470 | 477 | 562 | 518 | 496 | 471 | 488 | 505 |
| 1100 | 466 | 451 | 498 | 499 | 467 | 531 | 577 | 498 | 489 |
| 1200 | 508 | 575 | 538 | 557 | 534 | 546 | 606 | 552 | 550 |
| 1300 | 476 | 622 | 584 | 568 | 537 | 613 | 555 | 565 | 585 |
| 1400 | 479 | 627 | 551 | 583 | 574 | 574 | 566 | 565 | 582 |
| 1500 | 449 | 599 | 593 | 592 | 663 | 640 | 510 | 578 | 617 |
| 1600 | 444 | 582 | 660 | 623 | 613 | 717 | 491 | 590 | 639 |
| 1700 | 411 | 582 | 593 | 633 | 634 | 628 | 485 | 567 | 614 |
| 1800 | 395 | 599 | 657 | 611 | 549 | 575 | 449 | 548 | 598 |
| 1900 | 353 | 445 | 493 | 488 | 475 | 479 | 331 | 438 | 476 |
| 2000 | 231 | 247 | 274 | 253 | 266 | 337 | 227 | 262 | 275 |
| 2100 | 158 | 156 | 176 | 193 | 189 | 226 | 220 | 188 | 188 |
| 2200 | 110 | 107 | 111 | 95 | 137 | 158 | 173 | 127 | 122 |
| 2300 | 54 | 76 | 64 | 85 | 73 | 148 | 128 | 90 | 89 |
| 2400 | 38 | 42 | 30 | 39 | 52 | 108 | 88 | 57 | 54 |
| Totals | 5813 | 8182 | 8335 | 8453 | 8322 | 8747 | 6887 | 7820 | 8408 |
| AM Peak Hr | 12:00 | 8:00 | 8:00 | 8:00 | 8:00 | 9:00 | 12:00 | 9:00 | 8:00 |
| AM Count | 508 | 648 | 683 | 714 | 659 | 639 | 606 | 557 | 665 |
| PM Peak Hr | 2:00 | 2:00 | 4:00 | 5:00 | 3:00 | 4:00 | 2:00 | 4:00 | 4:00 |
| PM Count | 479 | 627 | 660 | 633 | 663 | 717 | 566 | 590 | 639 |

TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $1700200$ <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $\begin{aligned} & \text { TLS \#4 } \\ & 1.81 \\ & 200 \text { Ft. S. of Meder Rd. } \\ & \text { NORTHBOUND } \end{aligned}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 20 | 21 | 22 | 16 | 17 | 18 | 19 | Weekly | Wk Day |
| Day Time | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 73 | 28 | 31 | 40 | 40 | 23 | 74 | 44 | 32 |
| 200 | 45 | 24 | 16 | 13 | 14 | 24 | 34 | 24 | 18 |
| 300 | 27 | 6 | 14 | 7 | 9 | 14 | 21 | 14 | 10 |
| 400 | 16 | 9 | 18 | 15 | 17 | 14 | 19 | 15 | 15 |
| 500 | 6 | 20 | 14 | 18 | 18 | 18 | 21 | 16 | 18 |
| 600 | 11 | 52 | 61 | 61 | 58 | 58 | 19 | 46 | 58 |
| 700 | 40 | 219 | 239 | 236 | 237 | 227 | 64 | 180 | 232 |
| 800 | 85 | 402 | 399 | 404 | 397 | 392 | 121 | 314 | 399 |
| 900 | 214 | 437 | 415 | 456 | 400 | 385 | 261 | 367 | 419 |
| 1000 | 267 | 372 | 377 | 374 | 398 | 368 | 351 | 358 | 378 |
| 1100 | 379 | 415 | 437 | 458 | 408 | 432 | 473 | 429 | 430 |
| 1200 | 395 | 503 | 466 | 512 | 449 | 497 | 531 | 479 | 485 |
| 1300 | 496 | 588 | 547 | 549 | 543 | 561 | 536 | 546 | 558 |
| 1400 | 500 | 636 | 557 | 629 | 561 | 586 | 555 | 575 | 594 |
| 1500 | 456 | 625 | 717 | 638 | 659 | 708 | 550 | 622 | 669 |
| 1600 | 500 | 683 | 713 | 711 | 659 | 758 | 543 | 652 | 705 |
| 1700 | 479 | 788 | 819 | 788 | 787 | 785 | 537 | 712 | 793 |
| 1800 | 489 | 831 | 842 | 816 | 827 | 827 | 491 | 732 | 829 |
| 1900 | 416 | 589 | 602 | 631 | 614 | 603 | 402 | 551 | 608 |
| 2000 | 302 | 325 | 420 | 423 | 440 | 415 | 350 | 382 | 405 |
| 2100 | 261 | 270 | 331 | 328 | 342 | 343 | 236 | 302 | 323 |
| 2200 | 156 | 157 | 198 | 177 | 165 | 279 | 228 | 194 | 195 |
| 2300 | 90 | 103 | 107 | 107 | 115 | 167 | 194 | 126 | 120 |
| 2400 | 53 | 67 | 50 | 50 | 71 | 118 | 134 | 78 | 71 |
| Totals | 5756 | 8149 | 8390 | 8441 | 8228 | 8602 | 6745 | 7759 | 8362 |
| AM Peak Hr | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 395 | 503 | 466 | 512 | 449 | 497 | 531 | 479 | 485 |
| PM Peak Hr | 2:00 | 6:00 | 6:00 | 6:00 | 6:00 | 6:00 | 2:00 | 6:00 | 6:00 |
| PM Count | 500 | 831 | 842 | 816 | 827 | 827 | 555 | 732 | 829 |

TOTAL ADT:
16,770

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 6, 2019

| Count Statio City/Town: Road Name Lanes: | 1800200 <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $73$ <br> 2.39 <br> 600 Ft. N. of Mira Loma Dr. NORTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 6 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 56 | 29 | 36 | 28 | 34 | 41 | 50 | 39 | 34 |
| 200 | 31 | 18 | 19 | 13 | 15 | 14 | 19 | 18 | 16 |
| 300 | 31 | 13 | 16 | 15 | 7 | 14 | 31 | 18 | 13 |
| 400 | 45 | 16 | 15 | 12 | 16 | 12 | 13 | 18 | 14 |
| 500 | 17 | 24 | 12 | 15 | 15 | 13 | 5 | 14 | 16 |
| 600 | 21 | 59 | 54 | 49 | 44 | 50 | 35 | 45 | 51 |
| 700 | 43 | 166 | 184 | 183 | 187 | 182 | 95 | 149 | 180 |
| 800 | 58 | 333 | 342 | 345 | 348 | 334 | 110 | 267 | 340 |
| 900 | 107 | 348 | 385 | 359 | 349 | 395 | 221 | 309 | 367 |
| 1000 | 206 | 308 | 284 | 266 | 308 | 325 | 318 | 288 | 298 |
| 1100 | 290 | 330 | 342 | 347 | 335 | 355 | 353 | 336 | 342 |
| 1200 | 331 | 365 | 353 | 327 | 334 | 390 | 388 | 355 | 354 |
| 1300 | 402 | 444 | 394 | 448 | 485 | 439 | 417 | 433 | 442 |
| 1400 | 421 | 407 | 455 | 472 | 423 | 546 | 468 | 456 | 461 |
| 1500 | 433 | 555 | 553 | 535 | 540 | 592 | 362 | 510 | 555 |
| 1600 | 457 | 573 | 619 | 529 | 568 | 661 | 418 | 546 | 590 |
| 1700 | 426 | 665 | 650 | 535 | 576 | 532 | 463 | 550 | 592 |
| 1800 | 367 | 674 | 629 | 607 | 627 | 586 | 401 | 556 | 625 |
| 1900 | 304 | 484 | 454 | 436 | 441 | 450 | 357 | 418 | 453 |
| 2000 | 262 | 325 | 356 | 268 | 289 | 341 | 245 | 298 | 316 |
| 2100 | 230 | 257 | 267 | 231 | 220 | 241 | 210 | 237 | 243 |
| 2200 | 133 | 141 | 167 | 123 | 139 | 186 | 161 | 150 | 151 |
| 2300 | 84 | 90 | 100 | 80 | 99 | 119 | 130 | 100 | 98 |
| 2400 | 46 | 60 | 57 | 45 | 54 | 89 | 80 | 62 | 61 |
| Totals | 4801 | 6684 | 6743 | 6268 | 6453 | 6907 | 5350 | 6172 | 6611 |
| AM Peak Hr | 12:00 | 12:00 | 9:00 | 9:00 | 9:00 | 9:00 | 12:00 | 12:00 | 9:00 |
| AM Count | 331 | 365 | 385 | 359 | 349 | 395 | 388 | 355 | 367 |
| PM Peak Hr | 4:00 | 6:00 | 5:00 | 6:00 | 6:00 | 4:00 | 2:00 | 6:00 | 6:00 |
| PM Count | 457 | 674 | 650 | 607 | 627 | 661 | 468 | 556 | 625 |

TOTAL ADT:
13,276

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 6, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1800200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $73$ <br> 2.39 <br> 600 Ft. N. of Mira Loma Dr. SOUTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 6 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 45 | 22 | 24 | 15 | 20 | 27 | 33 | 27 | 22 |
| 200 | 22 | 14 | 13 | 10 | 13 | 20 | 27 | 17 | 14 |
| 300 | 22 | 10 | 10 | 8 | 8 | 16 | 15 | 13 | 10 |
| 400 | 28 | 17 | 21 | 19 | 17 | 17 | 15 | 19 | 18 |
| 500 | 29 | 58 | 46 | 56 | 50 | 47 | 29 | 45 | 51 |
| 600 | 37 | 141 | 126 | 129 | 141 | 129 | 54 | 108 | 133 |
| 700 | 69 | 328 | 337 | 376 | 332 | 341 | 112 | 271 | 343 |
| 800 | 111 | 483 | 532 | 519 | 560 | 524 | 189 | 417 | 524 |
| 900 | 195 | 474 | 480 | 457 | 455 | 510 | 329 | 414 | 475 |
| 1000 | 260 | 320 | 383 | 352 | 398 | 420 | 389 | 360 | 375 |
| 1100 | 342 | 345 | 377 | 367 | 370 | 394 | 397 | 370 | 371 |
| 1200 | 412 | 403 | 360 | 366 | 422 | 437 | 462 | 409 | 398 |
| 1300 | 455 | 459 | 397 | 393 | 433 | 468 | 443 | 435 | 430 |
| 1400 | 376 | 406 | 428 | 421 | 405 | 460 | 384 | 411 | 424 |
| 1500 | 367 | 502 | 512 | 536 | 474 | 555 | 388 | 476 | 516 |
| 1600 | 361 | 565 | 595 | 425 | 500 | 612 | 396 | 493 | 539 |
| 1700 | 363 | 546 | 497 | 451 | 514 | 537 | 398 | 472 | 509 |
| 1800 | 360 | 462 | 477 | 449 | 470 | 517 | 349 | 441 | 475 |
| 1900 | 253 | 420 | 421 | 326 | 351 | 397 | 302 | 353 | 383 |
| 2000 | 235 | 273 | 281 | 208 | 174 | 283 | 229 | 240 | 244 |
| 2100 | 174 | 191 | 192 | 159 | 151 | 160 | 179 | 172 | 171 |
| 2200 | 119 | 111 | 131 | 94 | 115 | 144 | 147 | 123 | 119 |
| 2300 | 60 | 71 | 78 | 63 | 59 | 104 | 113 | 78 | 75 |
| 2400 | 43 | 41 | 46 | 33 | 49 | 66 | 68 | 49 | 47 |
| Totals | 4738 | 6662 | 6764 | 6232 | 6481 | 7185 | 5447 | 6216 | 6665 |
| AM Peak Hr | 12:00 | 8:00 | 8:00 | 8:00 | 8:00 | 8:00 | 12:00 | 8:00 | 8:00 |
| AM Count | 412 | 483 | 532 | 519 | 560 | 524 | 462 | 417 | 524 |
| PM Peak Hr | 1:00 | 4:00 | 4:00 | 3:00 | 5:00 | 4:00 | 1:00 | 4:00 | 4:00 |
| PM Count | 455 | 565 | 595 | 536 | 514 | 612 | 443 | 493 | 539 |

TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name: Lanes: | $\begin{aligned} & 1800200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $69$ <br> 2.39 <br> 600 Ft. N. of Mira Loma Dr. NORTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| Day Time | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 70 | 32 | 23 | 28 | 24 | 39 | 41 | 37 | 29 |
| 200 | 34 | 14 | 16 | 11 | 24 | 20 | 42 | 23 | 17 |
| 300 | 24 | 11 | 7 | 9 | 15 | 13 | 28 | 15 | 11 |
| 400 | 9 | 6 | 16 | 13 | 17 | 10 | 24 | 14 | 12 |
| 500 | 16 | 15 | 17 | 17 | 25 | 21 | 13 | 18 | 19 |
| 600 | 22 | 47 | 43 | 57 | 57 | 39 | 25 | 41 | 49 |
| 700 | 48 | 114 | 128 | 167 | 166 | 204 | 74 | 129 | 156 |
| 800 | 84 | 227 | 274 | 340 | 340 | 359 | 122 | 249 | 308 |
| 900 | 175 | 255 | 344 | 369 | 386 | 422 | 219 | 310 | 355 |
| 1000 | 301 | 279 | 302 | 330 | 293 | 333 | 304 | 306 | 307 |
| 1100 | 297 | 327 | 363 | 347 | 315 | 347 | 393 | 341 | 340 |
| 1200 | 295 | 344 | 391 | 372 | 396 | 399 | 481 | 383 | 380 |
| 1300 | 329 | 354 | 481 | 528 | 541 | 474 | 489 | 457 | 476 |
| 1400 | 250 | 342 | 482 | 477 | 434 | 487 | 470 | 420 | 444 |
| 1500 | 337 | 434 | 530 | 605 | 579 | 596 | 454 | 505 | 549 |
| 1600 | 285 | 453 | 546 | 539 | 612 | 645 | 433 | 502 | 559 |
| 1700 | 250 | 480 | 622 | 615 | 744 | 629 | 407 | 535 | 618 |
| 1800 | 273 | 531 | 651 | 675 | 728 | 620 | 405 | 555 | 641 |
| 1900 | 251 | 466 | 486 | 494 | 551 | 545 | 469 | 466 | 508 |
| 2000 | 197 | 323 | 291 | 332 | 378 | 407 | 319 | 321 | 346 |
| 2100 | 146 | 214 | 225 | 248 | 340 | 272 | 190 | 234 | 260 |
| 2200 | 112 | 126 | 145 | 173 | 255 | 332 | 169 | 187 | 206 |
| 2300 | 64 | 90 | 81 | 104 | 121 | 166 | 134 | 109 | 112 |
| 2400 | 37 | 53 | 56 | 51 | 79 | 106 | 104 | 69 | 69 |
| Totals | 3906 | 5537 | 6520 | 6901 | 7420 | 7485 | 5809 | 6225 | 6773 |
| AM Peak Hr | 10:00 | 12:00 | 12:00 | 12:00 | 12:00 | 9:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 301 | 344 | 391 | 372 | 396 | 422 | 481 | 383 | 380 |
| PM Peak Hr | 3:00 | 6:00 | 6:00 | 6:00 | 5:00 | 4:00 | 1:00 | 6:00 | 6:00 |
| PM Count | 337 | 531 | 651 | 675 | 744 | 645 | 489 | 555 | 641 |

TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1800200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $69$ <br> 2.39 <br> 600 Ft. N. of Mira Loma Dr. SOUTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 35 | 15 | 18 | 18 | 18 | 19 | 34 | 22 | 18 |
| 200 | 16 | 9 | 14 | 17 | 16 | 14 | 28 | 16 | 14 |
| 300 | 26 | 8 | 19 | 21 | 9 | 18 | 20 | 17 | 15 |
| 400 | 21 | 18 | 17 | 20 | 26 | 19 | 22 | 20 | 20 |
| 500 | 23 | 34 | 48 | 52 | 45 | 39 | 28 | 38 | 44 |
| 600 | 39 | 110 | 134 | 156 | 166 | 147 | 69 | 117 | 143 |
| 700 | 80 | 221 | 259 | 370 | 362 | 335 | 115 | 249 | 309 |
| 800 | 161 | 318 | 439 | 492 | 518 | 544 | 189 | 380 | 462 |
| 900 | 282 | 334 | 474 | 481 | 448 | 487 | 325 | 404 | 445 |
| 1000 | 322 | 328 | 408 | 359 | 412 | 419 | 417 | 381 | 385 |
| 1100 | 335 | 368 | 372 | 383 | 413 | 415 | 516 | 400 | 390 |
| 1200 | 359 | 378 | 390 | 421 | 410 | 441 | 522 | 417 | 408 |
| 1300 | 377 | 432 | 450 | 442 | 484 | 478 | 502 | 452 | 457 |
| 1400 | 294 | 410 | 446 | 474 | 520 | 424 | 464 | 433 | 455 |
| 1500 | 319 | 412 | 447 | 565 | 483 | 529 | 420 | 454 | 487 |
| 1600 | 296 | 479 | 516 | 502 | 512 | 564 | 464 | 476 | 515 |
| 1700 | 332 | 435 | 492 | 528 | 501 | 643 | 373 | 472 | 520 |
| 1800 | 272 | 497 | 513 | 509 | 564 | 560 | 372 | 470 | 529 |
| 1900 | 245 | 382 | 402 | 413 | 419 | 480 | 467 | 401 | 419 |
| 2000 | 175 | 245 | 294 | 239 | 310 | 340 | 288 | 270 | 286 |
| 2100 | 133 | 179 | 154 | 152 | 327 | 202 | 195 | 192 | 203 |
| 2200 | 95 | 108 | 98 | 133 | 273 | 150 | 176 | 148 | 152 |
| 2300 | 58 | 69 | 60 | 84 | 131 | 111 | 130 | 92 | 91 |
| 2400 | 32 | 26 | 30 | 36 | 58 | 59 | 74 | 45 | 42 |
| Totals | 4327 | 5815 | 6494 | 6867 | 7425 | 7437 | 6210 | 6368 | 6808 |
| AM Peak Hr | 12:00 | 12:00 | 9:00 | 8:00 | 8:00 | 8:00 | 12:00 | 12:00 | 8:00 |
| AM Count | 359 | 378 | 474 | 492 | 518 | 544 | 522 | 417 | 462 |
| PM Peak Hr | 1:00 | 6:00 | 4:00 | 3:00 | 6:00 | 5:00 | 1:00 | 4:00 | 6:00 |
| PM Count | 377 | 497 | 516 | 565 | 564 | 643 | 502 | 476 | 529 |

TOTAL ADT:

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 7, 2019

| Count Statio City/Town: Road Name Lanes: | $1900200$ <br> Cameron Park Cameron Park Drive 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $69$ $3.35$ <br> 200 Ft. S. of Green Valley Rd. NORTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 13 | 7 | 8 | 9 | Weekly | Wk Day |
| Day <br> Time | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 29 | 16 | 22 |  | 25 | 26 | 24 |  | 22 |
| 200 | 14 | 8 | 9 |  | 12 | 8 | 8 |  | 9 |
| 300 | 24 | 6 | 8 |  | 5 | 5 | 16 |  | 6 |
| 400 | 21 | 11 | 11 |  | 13 | 6 | 13 |  | 10 |
| 500 | 14 | 28 | 17 |  | 15 | 17 | 9 |  | 19 |
| 600 | 19 | 77 | 65 |  | 60 | 61 | 29 |  | 66 |
| 700 | 32 | 164 | 183 |  | 181 | 176 | 97 |  | 176 |
| 800 | 54 | 319 | 300 |  | 341 | 316 | 122 |  | 319 |
| 900 | 118 | 332 | 402 |  | 348 | 341 | 208 |  | 356 |
| 1000 | 197 | 262 | 277 |  | 259 | 254 | 305 |  | 263 |
| 1100 | 266 | 281 | 253 |  | 264 | 298 | 310 |  | 274 |
| 1200 | 281 | 332 | 298 |  | 254 | 309 | 314 |  | 298 |
| 1300 | 297 | 371 | 318 |  | 342 | 336 | 339 |  | 342 |
| 1400 | 307 | 362 | 335 |  | 327 | 404 | 376 |  | 357 |
| 1500 | 354 | 405 | 421 |  | 425 | 460 | 273 |  | 428 |
| 1600 | 378 | 434 | 445 |  | 410 | 455 | 318 |  | 436 |
| 1700 | 314 | 465 | 459 |  | 431 | 415 | 341 |  | 443 |
| 1800 | 293 | 501 | 431 |  | 437 | 439 | 305 |  | 452 |
| 1900 | 219 | 351 | 338 |  | 326 | 322 | 240 |  | 334 |
| 2000 | 191 | 207 | 253 |  | 202 | 251 | 173 |  | 228 |
| 2100 | 145 | 167 | 186 |  | 148 | 175 | 152 |  | 169 |
| 2200 | 102 | 102 | 117 |  | 101 | 129 | 95 |  | 112 |
| 2300 | 53 | 52 | 56 |  | 53 | 87 | 68 |  | 62 |
| 2400 | 30 | 32 | 36 |  | 18 | 47 | 44 |  | 33 |
| Totals | 3752 | 5285 | 5240 |  | 4997 | 5337 | 4179 |  | 5215 |
| AM Peak Hr | 12:00 | 9:00 | 9:00 |  | 9:00 | 9:00 | 12:00 |  | 9:00 |
| AM Count | 281 | 332 | 402 |  | 348 | 341 | 314 |  | 356 |
| PM Peak Hr | 4:00 | 6:00 | 5:00 |  | 6:00 | 3:00 | 2:00 |  | 6:00 |
| PM Count | 378 | 501 | 459 |  | 437 | 460 | 376 |  | 452 |

TOTAL ADT: 9,957

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
March 7, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1900200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $69$ $3.35$ <br> 200 Ft. S. of Green Valley Rd. SOUTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 10 | 11 | 12 | 13 | 7 | 8 | 9 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 31 | 11 | 15 |  | 23 | 21 | 23 |  | 18 |
| 200 | 22 | 9 | 7 |  | 6 | 12 | 23 |  | 9 |
| 300 | 11 | 5 | 8 |  | 7 | 7 | 7 |  | 7 |
| 400 | 13 | 8 | 11 |  | 6 | 7 | 10 |  | 8 |
| 500 | 24 | 39 | 26 |  | 27 | 29 | 18 |  | 30 |
| 600 | 15 | 63 | 57 |  | 72 | 65 | 23 |  | 64 |
| 700 | 41 | 169 | 171 |  | 167 | 184 | 64 |  | 173 |
| 800 | 54 | 282 | 331 |  | 361 | 342 | 125 |  | 329 |
| 900 | 118 | 348 | 351 |  | 329 | 365 | 188 |  | 348 |
| 1000 | 174 | 223 | 285 |  | 277 | 292 | 253 |  | 269 |
| 1100 | 235 | 237 | 258 |  | 233 | 267 | 277 |  | 249 |
| 1200 | 262 | 300 | 249 |  | 288 | 305 | 348 |  | 286 |
| 1300 | 328 | 335 | 287 |  | 301 | 334 | 310 |  | 314 |
| 1400 | 259 | 287 | 298 |  | 276 | 315 | 276 |  | 294 |
| 1500 | 272 | 360 | 368 |  | 345 | 400 | 277 |  | 368 |
| 1600 | 256 | 434 | 436 |  | 391 | 482 | 285 |  | 436 |
| 1700 | 287 | 401 | 353 |  | 390 | 399 | 289 |  | 386 |
| 1800 | 253 | 342 | 337 |  | 340 | 380 | 255 |  | 350 |
| 1900 | 187 | 295 | 324 |  | 285 | 293 | 202 |  | 299 |
| 2000 | 181 | 187 | 208 |  | 147 | 202 | 177 |  | 186 |
| 2100 | 113 | 172 | 142 |  | 116 | 113 | 133 |  | 136 |
| 2200 | 82 | 83 | 85 |  | 94 | 112 | 96 |  | 94 |
| 2300 | 33 | 54 | 53 |  | 42 | 97 | 85 |  | 62 |
| 2400 | 25 | 22 | 28 |  | 26 | 41 | 45 |  | 29 |
| Totals | 3276 | 4666 | 4688 |  | 4549 | 5064 | 3789 |  | 4742 |
| AM Peak Hr | 12:00 | 9:00 | 9:00 |  | 8:00 | 9:00 | 12:00 |  | 9:00 |
| AM Count | 262 | 348 | 351 |  | 361 | 365 | 348 |  | 348 |
| PM Peak Hr | 1:00 | 4:00 | 4:00 |  | 4:00 | 4:00 | 1:00 |  | 4:00 |
| PM Count | 328 | 434 | 436 |  | 391 | 482 | 310 |  | 436 |

TOTAL ADT: 9,957

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019


TOTAL ADT:
10,075

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $\begin{aligned} & 1900200 \\ & \text { Cameron Park } \\ & \text { Cameron Park Drive } \\ & 2 \end{aligned}$ |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $66$ $3.35$ <br> 200 Ft. S. of Green Valley Rd. SOUTHBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 27 | 28 | 29 | 30 | 31 | 25 | 26 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 26 | 11 | 18 | 13 | 9 | 9 | 28 | 16 | 12 |
| 200 | 17 | 7 | 10 | 10 | 6 | 7 | 21 | 11 | 8 |
| 300 | 19 | 3 | 11 | 18 | 7 | 9 | 20 | 12 | 10 |
| 400 | 11 | 6 | 7 | 10 | 12 | 9 | 7 | 9 | 9 |
| 500 | 16 | 15 | 18 | 30 | 26 | 20 | 12 | 20 | 22 |
| 600 | 22 | 55 | 62 | 80 | 91 | 84 | 29 | 60 | 74 |
| 700 | 42 | 107 | 137 | 195 | 180 | 172 | 77 | 130 | 158 |
| 800 | 90 | 182 | 291 | 318 | 352 | 342 | 126 | 243 | 297 |
| 900 | 180 | 214 | 348 | 344 | 289 | 340 | 231 | 278 | 307 |
| 1000 | 208 | 234 | 306 | 251 | 327 | 316 | 282 | 275 | 287 |
| 1100 | 273 | 270 | 250 | 275 | 292 | 286 | 348 | 285 | 275 |
| 1200 | 270 | 286 | 290 | 329 | 324 | 326 | 385 | 316 | 311 |
| 1300 | 281 | 336 | 345 | 319 | 377 | 331 | 346 | 334 | 342 |
| 1400 | 225 | 304 | 317 | 345 | 397 | 300 | 343 | 319 | 333 |
| 1500 | 243 | 289 | 347 | 427 | 362 | 381 | 323 | 339 | 361 |
| 1600 | 245 | 371 | 413 | 353 | 391 | 441 | 353 | 367 | 394 |
| 1700 | 267 | 350 | 389 | 386 | 375 | 480 | 317 | 366 | 396 |
| 1800 | 216 | 370 | 386 | 387 | 413 | 411 | 277 | 351 | 393 |
| 1900 | 193 | 300 | 327 | 314 | 323 | 360 | 290 | 301 | 325 |
| 2000 | 148 | 214 | 230 | 188 | 220 | 263 | 198 | 209 | 223 |
| 2100 | 114 | 128 | 124 | 137 | 267 | 158 | 174 | 157 | 163 |
| 2200 | 85 | 93 | 86 | 83 | 196 | 118 | 142 | 115 | 115 |
| 2300 | 45 | 48 | 40 | 64 | 85 | 80 | 97 | 66 | 63 |
| 2400 | 18 | 26 | 16 | 24 | 33 | 33 | 61 | 30 | 26 |
| Totals | 3254 | 4219 | 4768 | 4900 | 5354 | 5276 | 4487 | 4608 | 4903 |
| AM Peak Hr | 11:00 | 12:00 | 9:00 | 9:00 | 8:00 | 8:00 | 12:00 | 12:00 | 12:00 |
| AM Count | 273 | 286 | 348 | 344 | 352 | 342 | 385 | 316 | 311 |
| PM Peak Hr | 1:00 | 4:00 | 4:00 | 3:00 | 6:00 | 5:00 | 4:00 | 4:00 | 5:00 |
| PM Count | 281 | 371 | 413 | 427 | 413 | 480 | 353 | 367 | 396 |

TOTAL ADT:
10,075

| EL DORA <br> DEPARTMENT OF <br> Summary Beginning: |  |  |  |  | COU <br> ANS | RTA <br> tober | N $2019$ |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Count Station: City/Town: Road Name: Lanes: | $1050135$ <br> Cameron Park Meder Road 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $\begin{aligned} & \text { TLS \#4 } \\ & 0.04 \\ & 200 \text { Ft. E. of Cameron Park Dr. } \\ & \text { EASTBOUND } \end{aligned}$ |  |  |  |
| Date | 20 | 21 | 22 | 16 | 17 | 18 | 19 | Weekly | Wk Day |
| $\begin{gathered} \text { Day } \\ \text { Time } \end{gathered}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 23 | 6 | 6 | 11 | 7 | 7 | 16 | 11 | 7 |
| 200 | 9 | 4 | 3 | 5 | 4 | 8 | 6 | 6 | 5 |
| 300 | 6 | 1 | 5 | 3 | 3 | 2 | 10 | 4 | 3 |
| 400 | 4 | 3 | 2 | 2 | 6 | 5 | 4 | 4 | 4 |
| 500 | 1 | 2 | 0 | 2 | 1 | 2 | 4 | 2 | 1 |
| 600 | 2 | 6 | 12 | 7 | 9 | 10 | 1 | 7 | 9 |
| 700 | 6 | 202 | 224 | 224 | 230 | 223 | 16 | 161 | 221 |
| 800 | 26 | 201 | 184 | 197 | 183 | 191 | 36 | 145 | 191 |
| 900 | 50 | 92 | 123 | 183 | 132 | 124 | 84 | 113 | 131 |
| 1000 | 85 | 113 | 107 | 106 | 134 | 110 | 102 | 108 | 114 |
| 1100 | 111 | 120 | 113 | 118 | 116 | 127 | 135 | 120 | 119 |
| 1200 | 106 | 126 | 129 | 147 | 134 | 114 | 160 | 131 | 130 |
| 1300 | 156 | 261 | 140 | 173 | 163 | 155 | 155 | 172 | 178 |
| 1400 | 159 | 210 | 189 | 198 | 229 | 189 | 170 | 192 | 203 |
| 1500 | 145 | 223 | 266 | 285 | 249 | 290 | 160 | 231 | 263 |
| 1600 | 161 | 230 | 238 | 217 | 216 | 264 | 178 | 215 | 233 |
| 1700 | 151 | 221 | 259 | 253 | 223 | 227 | 167 | 214 | 237 |
| 1800 | 157 | 246 | 286 | 269 | 279 | 229 | 146 | 230 | 262 |
| 1900 | 113 | 209 | 207 | 212 | 203 | 186 | 120 | 179 | 203 |
| 2000 | 113 | 111 | 151 | 132 | 119 | 165 | 85 | 125 | 136 |
| 2100 | 66 | 89 | 94 | 99 | 97 | 117 | 84 | 92 | 99 |
| 2200 | 40 | 46 | 66 | 63 | 61 | 101 | 75 | 65 | 67 |
| 2300 | 23 | 16 | 34 | 28 | 31 | 68 | 54 | 36 | 35 |
| 2400 | 21 | 9 | 11 | 8 | 19 | 53 | 48 | 24 | 20 |
| Totals | 1734 | 2747 | 2849 | 2942 | 2848 | 2967 | 2016 | 2586 | 2871 |
| AM Peak Hr | 11:00 | 7:00 | 7:00 | 7:00 | 7:00 | 7:00 | 12:00 | 7:00 | 7:00 |
| AM Count | 111 | 202 | 224 | 224 | 230 | 223 | 160 | 161 | 221 |
| PM Peak Hr | 4:00 | 1:00 | 6:00 | 3:00 | 6:00 | 3:00 | 4:00 | 3:00 | 3:00 |
| PM Count | 161 | 261 | 286 | 285 | 279 | 290 | 178 | 231 | 263 |

TOTAL ADT: $\mathbf{6 , 0 0 0}$

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 25, 2019

| Count Statio City/Town: Road Name Lanes: | $1050135$ <br> Cameron Park Meder Road 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | ```TLS #4 0.04 200 Ft. E. of Cameron Park Dr. WESTBOUND``` |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 20 | 21 | 22 | 16 | 17 | 18 | 19 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 34 | 4 | 4 | 4 | 3 | 3 | 18 | 10 | 4 |
| 200 | 6 | 4 | 5 | 3 | 3 | 2 | 8 | 4 | 3 |
| 300 | 9 | 3 | 2 | 4 | 1 | 4 | 3 | 4 | 3 |
| 400 | 10 | 11 | 6 | 3 | 11 | 4 | 4 | 7 | 7 |
| 500 | 2 | 22 | 16 | 17 | 17 | 16 | 10 | 14 | 18 |
| 600 | 6 | 53 | 59 | 55 | 56 | 53 | 19 | 43 | 55 |
| 700 | 32 | 180 | 201 | 176 | 190 | 195 | 36 | 144 | 188 |
| 800 | 47 | 323 | 324 | 325 | 312 | 316 | 93 | 249 | 320 |
| 900 | 116 | 213 | 217 | 252 | 220 | 250 | 148 | 202 | 230 |
| 1000 | 153 | 145 | 171 | 203 | 187 | 182 | 169 | 173 | 178 |
| 1100 | 147 | 152 | 153 | 162 | 139 | 165 | 152 | 153 | 154 |
| 1200 | 159 | 188 | 167 | 205 | 191 | 164 | 201 | 182 | 183 |
| 1300 | 165 | 259 | 204 | 216 | 208 | 205 | 160 | 202 | 218 |
| 1400 | 134 | 301 | 195 | 264 | 280 | 233 | 172 | 226 | 255 |
| 1500 | 132 | 258 | 262 | 255 | 326 | 295 | 151 | 240 | 279 |
| 1600 | 138 | 202 | 267 | 236 | 197 | 351 | 152 | 220 | 251 |
| 1700 | 144 | 189 | 206 | 224 | 205 | 191 | 143 | 186 | 203 |
| 1800 | 136 | 197 | 247 | 224 | 180 | 194 | 180 | 194 | 208 |
| 1900 | 95 | 117 | 141 | 174 | 152 | 142 | 94 | 131 | 145 |
| 2000 | 76 | 62 | 103 | 61 | 94 | 90 | 74 | 80 | 82 |
| 2100 | 58 | 30 | 52 | 84 | 69 | 88 | 59 | 63 | 65 |
| 2200 | 45 | 27 | 27 | 26 | 49 | 52 | 38 | 38 | 36 |
| 2300 | 13 | 11 | 16 | 18 | 16 | 41 | 37 | 22 | 20 |
| 2400 | 8 | 4 | 11 | 7 | 15 | 78 | 19 | 20 | 23 |
| Totals | 1865 | 2955 | 3056 | 3198 | 3121 | 3314 | 2140 | 2807 | 3129 |
| AM Peak Hr | 12:00 | 8:00 | 8:00 | 8:00 | 8:00 | 8:00 | 12:00 | 8:00 | 8:00 |
| AM Count | 159 | 323 | 324 | 325 | 312 | 316 | 201 | 249 | 320 |
| PM Peak Hr | 1:00 | 2:00 | 4:00 | 2:00 | 3:00 | 4:00 | 6:00 | 3:00 | 3:00 |
| PM Count | 165 | 301 | 267 | 264 | 326 | 351 | 180 | 240 | 279 |

TOTAL ADT: $\mathbf{6 , 0 0 0}$

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 1, 2019


TOTAL ADT:
4,213

## EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

Count Summary Beginning:
October 1, 2019

| Count Statio City/Town: Road Name Lanes: | $1200135$ <br> Cameron Park Meder Road 2 |  |  | Counter ID: <br> Mile Post: <br> Location: <br> Direction: |  | $71$ $2.33$ <br> 500 Ft. W. of Ponderosa Rd. WESTBOUND |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Date | 6 | 7 | 1 | 2 | 3 | 4 | 5 | Weekly | Wk Day |
| $\begin{array}{\|c} \hline \text { Day } \\ \text { Time } \end{array}$ | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Average | Avg. |
| 100 | 4 | 3 | 7 | 2 | 6 | 6 | 11 | 6 | 5 |
| 200 | 6 | 4 | 2 | 6 | 2 | 3 | 7 | 4 | 3 |
| 300 | 4 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 400 | 2 | 0 | 0 | 1 | 0 | 2 | 2 | 1 | 1 |
| 500 | 1 | 1 | 4 | 2 | 2 | 1 | 0 | 2 | 2 |
| 600 | 4 | 8 | 7 | 9 | 7 | 5 | 5 | 6 | 7 |
| 700 | 4 | 107 | 165 | 207 | 198 | 175 | 23 | 126 | 170 |
| 800 | 13 | 151 | 150 | 166 | 137 | 143 | 28 | 113 | 149 |
| 900 | 31 | 81 | 82 | 89 | 94 | 99 | 58 | 76 | 89 |
| 1000 | 41 | 66 | 65 | 60 | 80 | 75 | 71 | 65 | 69 |
| 1100 | 82 | 95 | 70 | 81 | 81 | 86 | 107 | 86 | 83 |
| 1200 | 90 | 120 | 74 | 86 | 99 | 94 | 106 | 96 | 95 |
| 1300 | 89 | 236 | 131 | 148 | 260 | 141 | 110 | 159 | 183 |
| 1400 | 88 | 243 | 165 | 83 | 110 | 160 | 82 | 133 | 152 |
| 1500 | 83 | 113 | 192 | 355 | 230 | 217 | 106 | 185 | 221 |
| 1600 | 84 | 158 | 225 | 146 | 162 | 218 | 128 | 160 | 182 |
| 1700 | 86 | 142 | 182 | 174 | 217 | 154 | 140 | 156 | 174 |
| 1800 | 55 | 170 | 196 | 218 | 207 | 121 | 95 | 152 | 182 |
| 1900 | 62 | 129 | 171 | 141 | 138 | 81 | 79 | 114 | 132 |
| 2000 | 50 | 69 | 94 | 104 | 94 | 91 | 66 | 81 | 90 |
| 2100 | 32 | 41 | 72 | 86 | 118 | 100 | 43 | 70 | 83 |
| 2200 | 15 | 30 | 26 | 37 | 86 | 47 | 33 | 39 | 45 |
| 2300 | 11 | 14 | 15 | 22 | 13 | 23 | 27 | 18 | 17 |
| 2400 | 5 | 5 | 8 | 7 | 6 | 20 | 11 | 9 | 9 |
| Totals | 942 | 1989 | 2104 | 2231 | 2349 | 2064 | 1340 | 1860 | 2147 |
| AM Peak Hr | 12:00 | 8:00 | 7:00 | 7:00 | 7:00 | 7:00 | 11:00 | 7:00 | 7:00 |
| AM Count | 90 | 151 | 165 | 207 | 198 | 175 | 107 | 126 | 170 |
| PM Peak Hr | 1:00 | 2:00 | 4:00 | 3:00 | 1:00 | 4:00 | 5:00 | 3:00 | 3:00 |
| PM Count | 89 | 243 | 225 | 355 | 260 | 218 | 140 | 185 | 221 |

TOTAL ADT:
4,213






## Notes

User approved pedestrian interval to be less than phase max green.


2: Cameron Park Dr \& Mira Loma Dr

| Intersection |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Int Delay, s/veh | 3.3 |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |  |
| Lane Configurations |  | ${ }_{4}$ |  |  | ${ }_{\dagger}$ |  | 7 | F |  | 7 | F |  |  |
| Traffic Vol, veh/h | 8 | 0 | 25 | 34 | 0 | 38 | 29 | 586 | 87 | 63 | 438 | 6 |  |
| Future Vol, veh/h | 8 | 0 | 25 | 34 | 0 | 38 | 29 | 586 | 87 | 63 | 438 | 6 |  |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Sign Control Sto | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |  |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |  |
| Storage Length |  | - | - | - | - | - | 200 | - | - | 150 | - | - |  |
| Veh in Median Storage, \# |  | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |  |
| Grade, \% | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |  |
| Peak Hour Factor | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |  |
| Heavy Vehicles, \% | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| Mvmt Flow | 9 | 0 | 27 | 37 | 0 | 41 | 32 | 637 | 95 | 68 | 476 | 7 |  |



| Minor Lane/Major Mvmt | NBL | NBT | NBR EBLn1WBLn1 | SBL | SBT | SBR |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :--- |
| Capacity (veh/h) | 1080 | - | - | 271 | 179 | 873 | - |



## Notes

User approved pedestrian interval to be less than phase max green.


| HCM 6th TWSC |  |  |  |  |  |  |  |  |  |  |  | Existing plus Project AM |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2: Cameron Park Dr \& Mira Loma Dr |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Intersection |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Int Delay, s/veh | 6.3 |  |  |  |  |  |  |  |  |  |  |  |  |
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |  |
| Lane Configurations |  | 4 |  |  | \$ |  | \% | F |  | \% | F |  |  |
| Traffic Vol, veh/h | 5 | 0 | 17 | 91 | 3 | 94 | 38 | 223 | 39 | 41 | 439 | 7 |  |
| Future Vol, veh/h | 5 | 0 | 17 | 91 | 3 | 94 | 38 | 223 | 39 | 41 | 439 | 7 |  |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| Sign Control Stor | Stop | Stop | Stop | Stop | Stop | Stop | Free | Free | Free | Free | Free | Free |  |
| RT Channelized | - | - | None | - | - | None | - | - | None | - | - | None |  |
| Storage Length | - | - | - | - | - | - | 200 | - | - | 150 | - | - |  |
| Veh in Median Storage, \# | \# | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |  |
| Grade, \% | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - |  |
| Peak Hour Factor | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |  |
| Heavy Vehicles, \% | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |
| Mvmt Flow | 5 | 0 | 18 | 99 | 3 | 102 | 41 | 242 | 42 | 45 | 477 | 8 |  |



## Notes

User approved pedestrian interval to be less than phase max green.





$\begin{array}{lr}\text { Scenario } 16: 45 \mathrm{pm} \mathrm{10/07/2020} \text { Baseline } & \text { Synchro } 11 \text { Report } \\ \text { Page } 2\end{array}$

|  | $\checkmark$ | 4 | $\dagger$ | $p$ |  | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Configurations | \% | 「 | $\uparrow$ | 「 | 7 | $\uparrow$ |
| Traffic Volume (veh/h) | 148 | 99 | 577 | 206 | 97 | 458 |
| Future Volume (veh/h) | 148 | 99 | 577 | 206 | 97 | 458 |
| Initial Q (Qb), veh | 0 | 0 | 0 | 0 | 0 | 0 |
| Ped-Bike Adj(A_pbT) | 1.00 | 1.00 |  | 1.00 | 1.00 |  |
| Parking Bus, Adj | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Work Zone On Approach | No |  | No |  |  | No |
| Adj Sat Flow, veh/h/ln | 1870 | 1870 | 1870 | 1870 | 1870 | 1870 |
| Adj Flow Rate, veh/h | 161 | 108 | 627 | 224 | 105 | 498 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Percent Heavy Veh, \% | 2 | 2 | 2 | 2 | 2 | 2 |
| Cap, veh/h | 0 | 0 | 836 | 708 | 157 | 1337 |
| Arrive On Green | 0.00 | 0.00 | 0.45 | 0.45 | 0.09 | 0.72 |
| Sat Flow, veh/h | 0 |  | 1870 | 1585 | 1781 | 1870 |
| Grp Volume(v), veh/h | 0.0 |  | 627 | 224 | 105 | 498 |
| Grp Sat Flow(s),veh/h/ln |  |  | 1870 | 1585 | 1781 | 1870 |
| Q Serve(g_s), s |  |  | 5.6 | 1.8 | 1.1 | 2.1 |
| Cycle Q Clear(g_c), s |  |  | 5.6 | 1.8 | 1.1 | 2.1 |
| Prop In Lane |  |  |  | 1.00 | 1.00 |  |
| Lane Grp Cap(c), veh/h |  |  | 836 | 708 | 157 | 1337 |
| V/C Ratio(X) |  |  | 0.75 | 0.32 | 0.67 | 0.37 |
| Avail Cap(c_a), veh/h |  |  | 2898 | 2456 | 801 | 3739 |
| HCM Platoon Ratio |  |  | 1.00 | 1.00 | 1.00 | 1.00 |
| Upstream Filter(l) |  |  | 1.00 | 1.00 | 1.00 | 1.00 |
| Uniform Delay (d), s/veh |  |  | 4.6 | 3.6 | 8.8 | 1.1 |
| Incr Delay (d2), s/veh |  |  | 0.5 | 0.1 | 1.8 | 0.1 |
| Initial Q Delay(d3),s/veh |  |  | 0.0 | 0.0 | 0.0 | 0.0 |
| \%ile BackOfQ(50\%),veh/ln |  |  | 0.1 | 0.0 | 0.2 | 0.0 |
| Unsig. Movement Delay, s/veh |  |  |  |  |  |  |
| LnGrp Delay(d),s/veh |  |  | 5.1 | 3.7 | 10.6 | 1.2 |
| LnGrp LOS |  |  | A | A | B | A |
| Approach Vol, veh/h |  |  | 851 |  |  | 603 |
| Approach Delay, s/veh |  |  | 4.7 |  |  | 2.8 |
| Approach LOS |  |  | A |  |  | A |
| Timer - Assigned Phs | 1 | 2 |  |  |  | 6 |
| Phs Duration ( $G+Y+R \mathrm{c}$ ), $s$ | 5.4 | 14.6 |  |  |  | 20.0 |
| Change Period ( $\mathrm{Y}+\mathrm{Rc}$ ), s | 3.6 | 5.7 |  |  |  | 5.7 |
| Max Green Setting (Gmax), s | 9.0 | 31.0 |  |  |  | 40.0 |
| Max Q Clear Time (g_c+11), s | 3.1 | 7.6 |  |  |  | 4.1 |
| Green Ext Time (p_c), s | 0.0 | 1.4 |  |  |  | 1.0 |
| Intersection Summary |  |  |  |  |  |  |
| HCM 6th Ctrl DelayHCM 6th LOS |  |  | 3.9 |  |  |  |
|  |  |  | A |  |  |  |

HCM A

## Notes

User approved pedestrian interval to be less than phase max green.

| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 0.7 |  |  |  |  |  |
| Movement | EBT | EBR | WBL | WBT | NBL | NBR |
| Lane Configurations | F |  |  | A |  |  |
| Traffic Vol, veh/h | 149 | 14 | 2 | 70 | 15 | 1 |
| Future Vol, veh/h | 149 | 14 | 2 | 70 | 15 | 1 |
| Conflicting Peds, \#hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - None | - | None |  |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, \# | 0 | - | - | 0 | 0 | - |
| Grade, $\%$ | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 92 | 92 | 92 | 92 | 92 | 92 |
| Heavy Vehicles, \% | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 162 | 15 | 2 | 76 | 16 | 1 |


| Major/Minor | Major1 |  | Major2 |  | Minor1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Conflicting Flow All | 0 | 0 | 177 | 0 | 250 | 170 |
| Stage 1 | - | - | - | - | 170 | - |
| Stage 2 | - | - | - | - | 80 | - |
| Critical Hdwy | - | - | 4.12 | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | - | - | 2.218 | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | - | - | 1399 | - | 739 | 874 |
| Stage 1 | - | - | - |  | 860 |  |
| Stage 2 | - | - | - | - | 943 | - |
| Platoon blocked, \% | - | - |  | - |  |  |
| Mov Cap-1 Maneuver | - | - | 1399 | - | 738 | 874 |
| Mov Cap-2 Maneuver | - | - | - | - | 738 | - |
| Stage 1 | - | - | - | - | 860 | - |
| Stage 2 | - | - | - | - | 942 | - |
|  |  |  |  |  |  |  |
| Approach | EB |  | WB |  | NB |  |
| HCM Control Delay, s | 0 |  | 0.2 |  | 9.9 |  |
| HCM LOS |  |  |  |  | A |  |
|  |  |  |  |  |  |  |
| Minor Lane/Major Mvmt |  | NBLn1 | EBT | EBR | WBL | WBT |
| Capacity (veh/h) |  | 45 | - | - | 1399 | - |
| HCM Lane V/C Ratio |  |  | - |  | 0.002 | - |
| HCM Control Delay (s) |  | . 9 | - | - | 7.6 | 0 |
| HCM Lane LOS |  | A | - | - | A | A |
| HCM 95th \%tile Q(veh) |  | 0.1 | - | - | 0 | - |

3: Meder Rd \& Cameron Park Dr

|  | 7 | 4 | $\uparrow$ | $p$ |  | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Group Flow (vph) | 190 | 77 | 233 | 87 | 123 | 482 |
| v/c Ratio | 0.41 | 0.16 | 0.39 | 0.15 | 0.38 | 0.50 |
| Control Delay | 16.9 | 5.4 | 15.1 | 4.8 | 22.4 | 8.8 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 16.9 | 5.4 | 15.1 | 4.8 | 22.4 | 8.8 |
| Queue Length 50th (ft) | 31 | 0 | 35 | 0 | 20 | 46 |
| Queue Length 95th (ft) | 104 | 25 | 125 | 26 | 95 | 187 |
| Internal Link Dist (ft) | 1158 |  | 1009 |  |  | 2407 |
| Turn Bay Length (ft) |  | 150 |  | 215 | 250 |  |
| Base Capacity (vph) | 1107 | 1019 | 1566 | 1344 | 575 | 1736 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.17 | 0.08 | 0.15 | 0.06 | 0.21 | 0.28 |

Intersection Summary

3: Meder Rd \& Cameron Park Dr

|  | $\dagger$ | 4 | $\uparrow$ | $p$ | , | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Group Flow (vph) | 161 | 107 | 626 | 224 | 104 | 497 |
| v/c Ratio | 0.41 | 0.25 | 0.62 | 0.23 | 0.39 | 0.38 |
| Control Delay | 23.4 | 6.7 | 17.1 | 2.9 | 29.5 | 6.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 23.4 | 6.7 | 17.1 | 2.9 | 29.5 | 6.6 |
| Queue Length 50th (ft) | 40 | 0 | 135 | 0 | 27 | 52 |
| Queue Length 95th (ft) | 107 | 33 | \#430 | 38 | 93 | 188 |
| Internal Link Dist (ft) | 1158 |  | 1009 |  |  | 2407 |
| Turn Bay Length (ft) |  | 150 |  | 215 | 250 |  |
| Base Capacity (vph) | 916 | 870 | 1274 | 1153 | 463 | 1592 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.18 | 0.12 | 0.49 | 0.19 | 0.22 | 0.31 |

## Intersection Summary

\# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

3: Meder Rd \& Cameron Park Dr

|  | $\dagger$ | 4 | $\dagger$ | $P$ | $\checkmark$ | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Group Flow (vph) | 190 | 79 | 236 | 87 | 125 | 485 |
| v/c Ratio | 0.41 | 0.17 | 0.39 | 0.15 | 0.38 | 0.50 |
| Control Delay | 16.9 | 5.4 | 15.1 | 4.8 | 22.5 | 8.8 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 16.9 | 5.4 | 15.1 | 4.8 | 22.5 | 8.8 |
| Queue Length 50th (ft) | 31 | 0 | 36 | 0 | 21 | 47 |
| Queue Length 95th (ft) | 104 | 25 | 127 | 26 | 96 | 188 |
| Internal Link Dist (ft) | 1158 |  | 1009 |  |  | 2407 |
| Turn Bay Length (ft) |  | 150 |  | 215 | 250 |  |
| Base Capacity (vph) | 1104 | 1017 | 1562 | 1341 | 574 | 1736 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.17 | 0.08 | 0.15 | 0.06 | 0.22 | 0.28 |

Intersection Summary

3: Meder Rd \& Cameron Park Dr

|  | 7 | 4 | $\uparrow$ | $p$ | ) | $\downarrow$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lane Group | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Group Flow (vph) | 161 | 108 | 627 | 224 | 105 | 498 |
| v/c Ratio | 0.41 | 0.25 | 0.62 | 0.23 | 0.39 | 0.38 |
| Control Delay | 23.4 | 6.6 | 17.2 | 2.9 | 29.6 | 6.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 23.4 | 6.6 | 17.2 | 2.9 | 29.6 | 6.6 |
| Queue Length 50th (ft) | 41 | 0 | 135 | 0 | 27 | 52 |
| Queue Length 95th (ft) | 107 | 33 | \#431 | 38 | 94 | 188 |
| Internal Link Dist (ft) | 1158 |  | 1009 |  |  | 2407 |
| Turn Bay Length (ft) |  | 150 |  | 215 | 250 |  |
| Base Capacity (vph) | 915 | 870 | 1273 | 1152 | 463 | 1590 |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.18 | 0.12 | 0.49 | 0.19 | 0.23 | 0.31 |

## Intersection Summary

\# 95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
$K D A$

| Exist AM | Sat Dec 12, 2020 10:34:11 | Page 2-1 |
| :---: | :---: | :---: |
| Exist AM |  |  |
|  | ignal Warrant Summary Report |  |
| Intersection | Base Met | Future Met |
|  | [Del / Vol] | [Del / Vol] |
| \# 1 Cam Prk / Virada | No / No | No / No |
| \# 2 Cam Prk / Mira Loma | No / No | No / Yes |

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```
Exist + Project AM
```

Peak Hour Delay Signal Warrant Report

Intersection \#1 Cam Prk / Virada

Future Volume Alternative: Peak Hour Warrant NOT Met

| Approach: | North Bound |  |  |  |  | South Bound |  |  |  |  | East Bound |  |  |  | West Bound |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement: | L |  | T | - | R | L | - | T | - | R | L | T | - | R | L | T | - | R |
| Control: | Stop Sign |  |  |  |  | Stop Sign |  |  |  |  | Uncontrolled |  |  |  | Uncontrolled |  |  |  |
| Lanes: | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 1! 0 | 0 | 0 |
| Initial Vol: |  | 0 | 307 |  | 16 |  | 8 | 478 |  | 0 |  | 0 |  | 0 | 27 | 0 |  | 15 |
| ApproachDel: |  |  | 12.2 |  |  |  |  | 5.8 |  |  |  | , |  |  | xx | x |  |  |

Approach[northbound][lanes=1][control=Stop Sign]
Signal Warrant Rule \#1: [vehicle-hours=1.1]
FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule \#2: [approach volume=323]
SUCCEED - Approach volume greater than or equal to 100 for one lane approach.
Signal Warrant Rule \#3: [approach count=3][total volume=851]
SUCCEED - Total volume greater than or equal to 650 for intersection with less than four approaches.

```
Approach[southbound][lanes=1][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=2.1]
    FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule #2: [approach volume=486]
    SUCCEED - Approach volume greater than or equal to 100 for one lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=851]
    SUCCEED - Total volume greater than or equal to 650 for intersection
                        with less than four approaches.
```


Peak Hour Volume Signal Warrant Report [Rural]
Intersection \#1 Cam Prk / Virada

Future Volume Alternative: Peak Hour Warrant NOT Met


## SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4 -hour or 8 -hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.



| Exist PM | Sat Dec 12, 2020 10:28:27 | Page 2-1 |
| :---: | :---: | :---: |
| Exist PM |  |  |
|  | Signal Warrant Summary Report |  |
| Intersection | Base Met | Future Met |
|  | [Del / Vol] | [Del / Vol] |
| \# 1 Cam Prk / Virada | No / No | No / No |
| \# 2 Cam Prk / Mira Loma | Yes / Yes | Yes / Yes |



Future Volume Alternative: Peak Hour Warrant NOT Met

| Approach: | North Bound |  |  |  |  | South Bound |  |  |  | East Bound |  |  |  | West Bound |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Movement: | L | - | T | - | R | L | T | - | R | L | T | - | R |  | T | - | R |
| Control: | Stop Sign |  |  |  |  | Stop Sign |  |  |  | Uncontrolled |  |  |  | Uncontrolled |  |  |  |
| Lanes: | 0 | 0 | 0 | 1 | 0 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  | 1! | 0 | 0 |
| Initial Vol: |  | 0 | 616 |  | 36 | 12 | 493 |  | 0 |  | 0 |  | 0 | 12 | 0 |  | 19 |
| ApproachDel: |  |  | 1.2 |  |  |  | 6.6 |  |  |  | x |  |  |  | x |  |  |

Approach[northbound] [lanes=1][control=Stop Sign]
Signal Warrant Rule \#1: [vehicle-hours=3.8]
FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule \#2: [approach volume=652]
SUCCEED - Approach volume greater than or equal to 100 for one lane approach.
Signal Warrant Rule \#3: [approach count=3][total volume=1188]
SUCCEED - Total volume greater than or equal to 650 for intersection with less than four approaches.

Approach[southbound] [lanes=1] [control=Stop Sign]
Signal Warrant Rule \#1: [vehicle-hours=2.3]
FAIL - Vehicle-hours less than 4 for one lane approach.
Signal Warrant Rule \#2: [approach volume=505]
SUCCEED - Approach volume greater than or equal to 100 for one lane approach.
Signal Warrant Rule \#3: [approach count=3][total volume=1188]
SUCCEED - Total volume greater than or equal to 650 for intersection with less than four approaches.


## SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4 -hour or 8 -hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.


| Exist + Project PM |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Peak Hour Delay Signal Warrant Report |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Intersection \#2 Cam Prk / Mira Loma <br>  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Future Volume Alternative: Peak Hour Warrant Met |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Control: Stop Sign Stop Sign Uncontrolled Uncontrolled |  |  |  |  |  |  |  |  |  |  |
| $\begin{array}{lcccccccccccccccc}\text { Lanes: } & 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 & 1 & 0 & 0 & 0 & 1! & 0 & 0 & 0 \\ \text { Initial Vol: } & 29 & 580 & & 95 & 68 & 434 & & 6 & & 8 & 0 & 25 & \end{array}$ |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Signal Warrant Rule \#1: [vehicle-hours=7.0] |  |  |  |  |  |  |  |  |  |  |
| SUCCEED - Vehicle-hours >= 5 for two or more lane approach. |  |  |  |  |  |  |  |  |  |  |
| Signal Warrant Rule \#2: [approach volume=704] |  |  |  |  |  |  |  |  |  |  |
| SUCCEED - Approach volume >= 150 for two or more lane approach. |  |  |  |  |  |  |  |  |  |  |
| Signal Warrant Rule \#3: [approach count=4][total volume=1332] |  |  |  |  |  |  |  |  |  |  |
| SUCCEED - Total volume greater than or equal to 800 for intersection |  |  |  |  |  |  |  |  |  |  |

Approach[southbound] [lanes=2] [control=Stop Sign]
Signal Warrant Rule \#1: [vehicle-hours=3.0]
FAIL - Vehicle-hours less than 5 for two or more lane approach.
Signal Warrant Rule \#2: [approach volume=508]
SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule \#3: [approach count=4][total volume=1332]
SUCCEED - Total volume greater than or equal to 800 for intersection with four or more approaches.

Peak Hour Volume Signal Warrant Report [Rural]

Intersection \#2 Cam Prk / Mira Loma

Future Volume Alternative: Peak Hour Warrant Met


## SIGNAL WARRANT DISCLAIMER

This peak hour signal warrant analysis should be considered solely as an "indicator" of the likelihood of an unsignalized intersection warranting a traffic signal in the future. Intersections that exceed this warrant are probably more likely to meet one or more of the other volume based signal warrant (such as the 4 -hour or 8 -hour warrants).

The peak hour warrant analysis in this report is not intended to replace a rigorous and complete traffic signal warrant analysis by the responsible jurisdiction. Consideration of the other signal warrants, which is beyond the scope of this software, may yield different results.


[^0]:    ${ }^{a}$ Status: $\mathrm{E}=$ Endangered; $\mathrm{T}=$ Threatened; $\mathrm{P}=$ Proposed; $\mathrm{C}=$ Candidate; $\mathbf{R}=$ Califomia Rare; * $=$ Possibly extinct; $\mathrm{SSC}=\mathrm{CDFW}$ Species of Special Concerm; $\mathrm{FP}=\mathrm{CDFW}$ Fully Protected; Prot $=\mathrm{CDFW}$ Protected; $\mathrm{CH}=$ Critical habitat designated.
    CNPS Rare Plant Rank: $1 A=$ Presumed Extinct in $C A ; 1 B=$ Rare or Endangered ( $\mathrm{R} / \mathrm{E}$ ) in CA and elsewhere; $2=\mathrm{R} / \mathrm{E}$ in CA and more common elsewhere; $3=$ Need more information; $4=$ Plants of limited distribution; $0.1=$ Seriously endangered in $C A ; 0.2=$ Fairly endangered in $\mathrm{CA} ; 0.3=$ Not very endangered in CA .
    ${ }^{1}$ Source: $1=$ USFWS letter: $2=$ CNDDB

