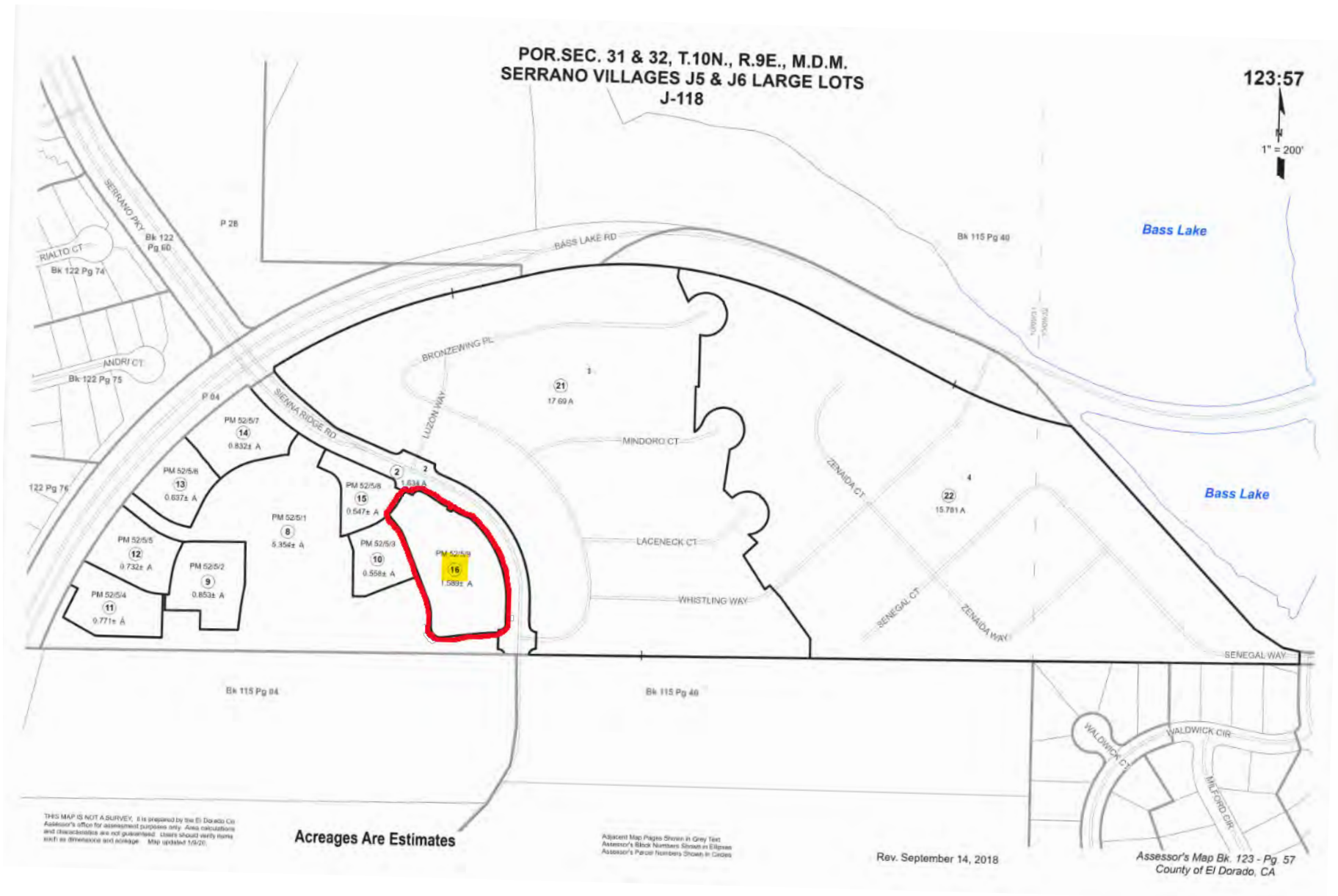


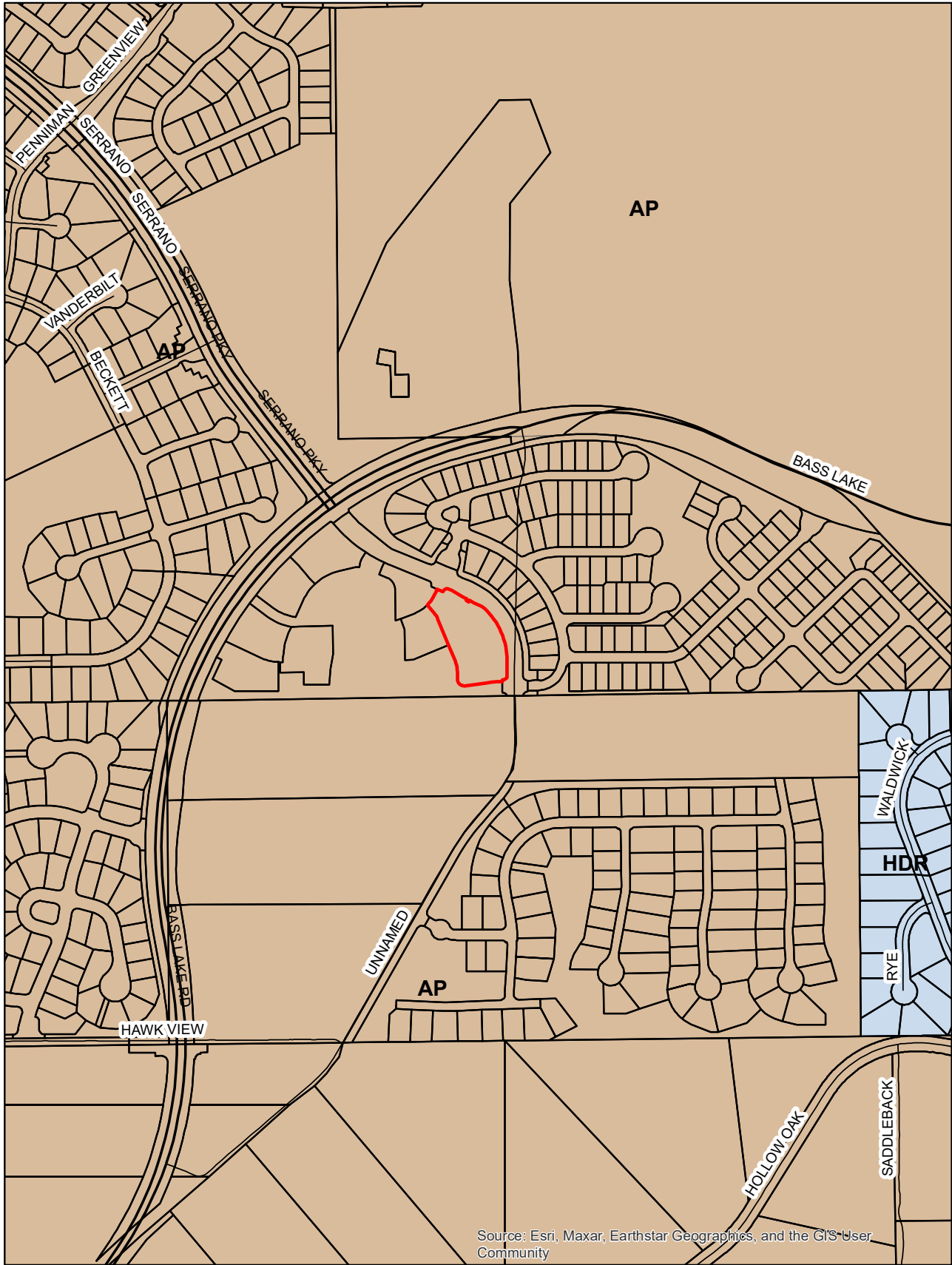
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack
 Exhibit A: Location/Vicinity Map



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit B: Assessor's Parcel Map

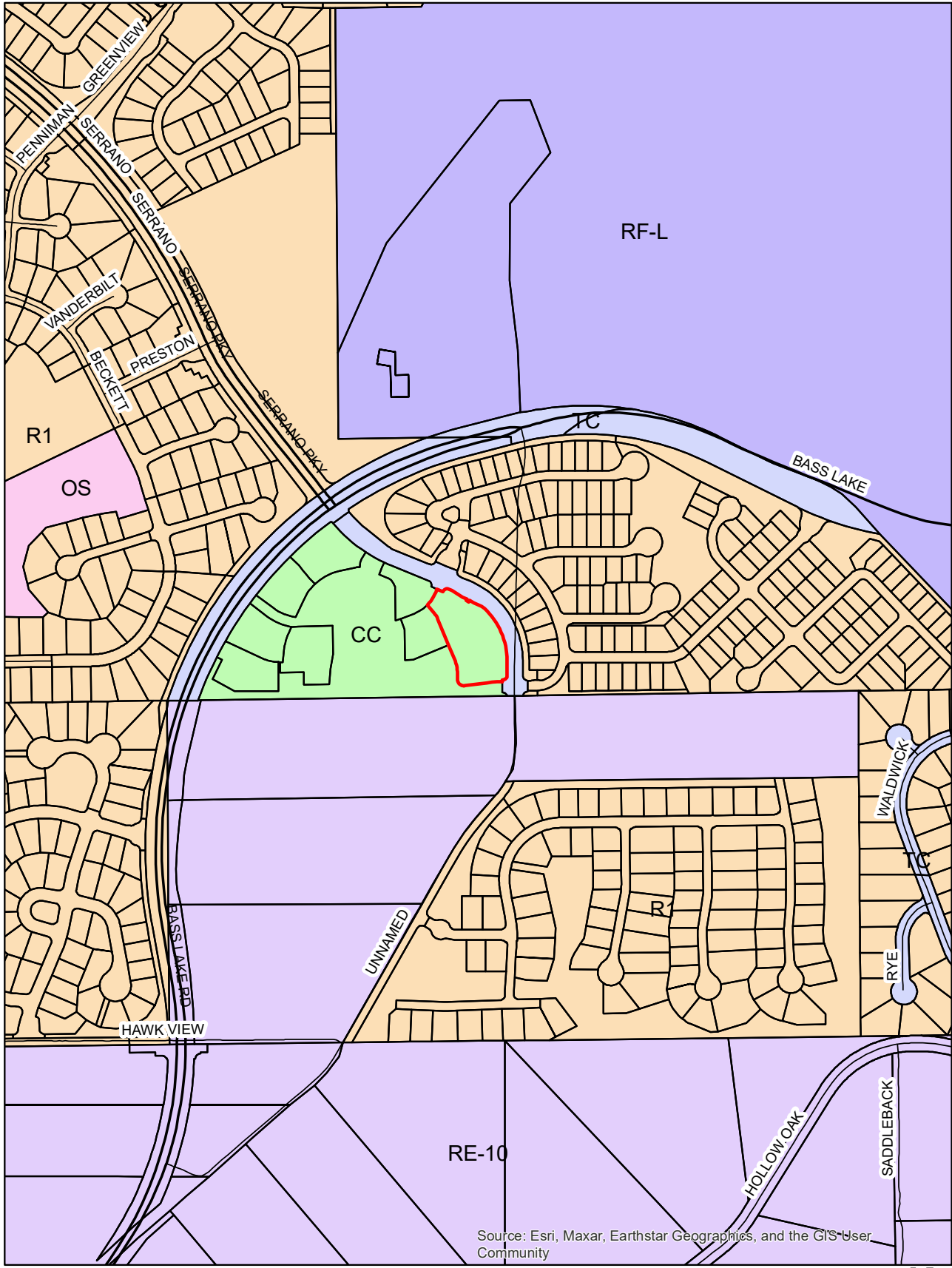


Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

0 0.075 0.15 0.3 0.45 0.6 Miles

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack
Exhibit C: General Plan Land Use Map





Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack
 Exhibit D: Zoning Map

NEW CAR WASH FACILITY



NEW QUICK QUACK CAR WASH FACILITY
 SIENNA RIDGE CENTER
 BASS LAKE ROAD AND SIENNA RIDGE DRIVE
 EL DORADO HILLS, CA 95762
 APN: 123-570-01-100
 PARCEL 9
 QUICK QUACK SITE I.D. #6-126

CONTACT INFORMATION

APPLICANT: QUICK QUACK DEVELOPMENT II, LLC
 ATTN: EFRAN GORONA
 1280 LEAD HILL BLVD #200
 ROSSVILLE, CA 95861
 #916.846.2100
 EFRAN@CONTDRIVEDIRTY.COM

ARCHITECT: CRM ARCHITECTS
 ATTN: BRUCE LARGOSE
 5800 STANFORD RANCH #120
 ROCKLIN, CA 95765
 #916.491.8000
 BLARGOSE@CRMARCHITECTS.COM

DRAWING INDEX

NO.	DRAWING TITLE
A1.0	COVER SHEET/INDEX
1	ALTA SURVEY
2	ALTA SURVEY
UT1	UTILITY PLAN
SR1	SHADING PLAN
SR2	GRADING SECTIONS
A2.0	OVERALL SITE PLAN
A2.1	SITE PLAN
A2.2	LANDSCAPE PLAN
A2.3	PHOTOMETRIC PLAN
A3.0	FLOOR PLAN
A3.1	ROOF PLAN
A3.2	FLOOR ELEVATIONS PLAN
A4.0	CAR WASH EXTERIOR ELEVATIONS
A4.1	CAR WASH EXTERIOR ELEVATIONS
A4.2	COLOR ELEVATIONS
A4.3	COLOR ELEVATIONS
A5.0	PAY CANOPY ELEVATIONS
A5.1	VACUUM CANOPYS
A6.0	SITE ELEMENTS

PROJECT SUMMARY

THE PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
 CONSTRUCTION OF
 NEW CAR WASH FACILITY INCLUDING BUT NOT LIMITED TO:
 NEW CONCRETE PARKS, DRIVE WHEELS CURBS, LANDSCAPING,
 VACUUM STATIONS, UTILITIES, AND ALL ASSOCIATED FIXTURES,
 FURNISHINGS AND EQUIPMENT.

PROJECT INFORMATION

EXISTING ZONING:	CC-PD
PROPOSED ZONING:	CC-PD
APN:	123-570-01-010
SITE AREA:	64,218 +/- S.F.
SITE ACRE:	1,484 +/- ACRE
NEW LANDSCAPE AREA:	8,670 S.F.
EXISTING LANDSCAPE AREA:	17,746 S.F.
TOTAL LANDSCAPE %:	38%
QUICK QUACK PARKING:	
VACUUM STALL PARKING:	18 STALLS
PARKING STALLS:	18 STALLS
ADA PARKING:	1 STALL
TOTAL BUILDING AREA:	3,596 S.F.
TOTAL PROPOSED CANOPY AREA:	2,541 S.F.
TOTAL PROPOSED ENCLOSURE AREA:	420 S.F.
TOTAL COMBINED AREA:	4,568 S.F.
FAR OF AREA OF WORK:	388 FAR
PROPOSED CARWASH AREA:	3,596 S.F.
STORIES:	1 STORY
HEIGHT:	24'-0"
CONSTRUCTION TYPE:	VB
OCCUPANCY:	B
SPRINKLERS:	NO
PROPOSED PAY STATION CANOPY AREA:	440 S.F.
STORIES:	1 STORY
HEIGHT:	4'-8"
CONSTRUCTION TYPE:	VB
OCCUPANCY:	B
SPRINKLERS:	NO
PROPOSED NORTH VACUUM CANOPY AREA:	430 S.F.
STORIES:	1 STORY
HEIGHT:	4'-8"
CONSTRUCTION TYPE:	VB
OCCUPANCY:	B
SPRINKLERS:	NO
PROPOSED SOUTH VACUUM CANOPY AREA:	1146 S.F.
STORIES:	1 STORY
HEIGHT:	4'-8"
CONSTRUCTION TYPE:	VB
OCCUPANCY:	B
SPRINKLERS:	NO
PROPOSED TRASH ENCLOSURE AREA:	178 S.F.
STORIES:	1 STORY
HEIGHT:	11'-0"
CONSTRUCTION TYPE:	VB
OCCUPANCY:	N/A
SPRINKLERS:	NO
PROPOSED VACUUM ENCLOSURE AREA EACH:	121 S.F.
STORIES:	1 STORY
HEIGHT:	11'-0"
CONSTRUCTION TYPE:	VB
OCCUPANCY:	N/A
SPRINKLERS:	NO

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CRM Architects & Planners, Inc.
 1000 Boulevard Road, Suite 100
 El Dorado Hills, CA 95762
 Phone: (916) 491-8000

REVISIONS

#	DATE	DESCRIPTION
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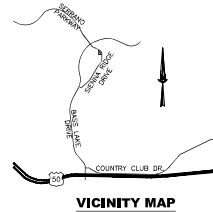
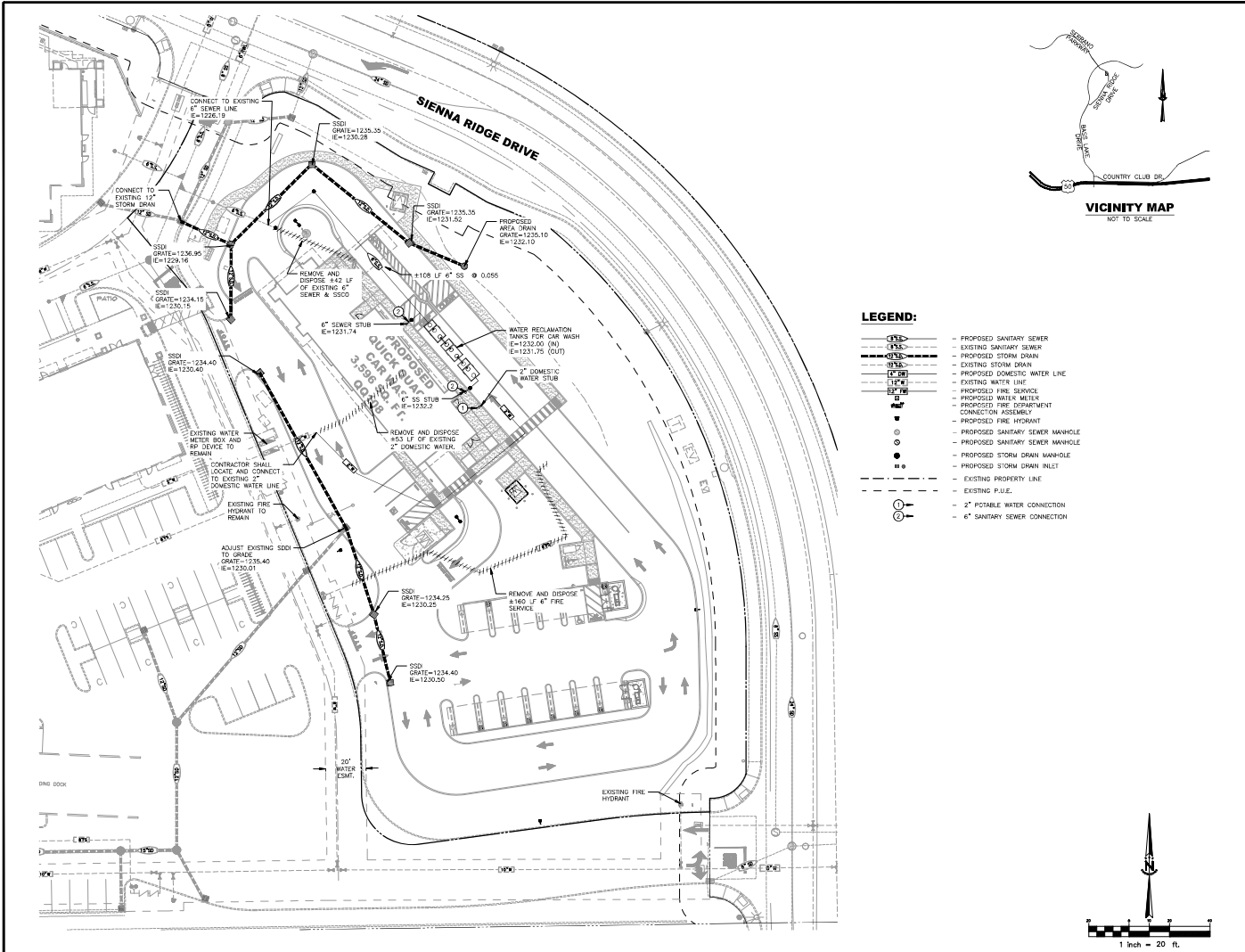
QUICK QUACK CAR WASH STORE #6-126
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA

COVER SHEET INDEX

DATE	DESCRIPTION
CRM PROJECT #	1007
DATE	11/20/23
PROJECT #	123-570-01-100
PROJECT NAME	NEW QUICK QUACK CAR WASH FACILITY
PROJECT ADDRESS	SIENNA RIDGE CENTER, BASS LAKE ROAD AND SIENNA RIDGE DRIVE, EL DORADO HILLS, CA 95762
PROJECT CONTACT	EFRAN GORONA, 1280 LEAD HILL BLVD #200, ROSSVILLE, CA 95861, #916.846.2100
ARCHITECT CONTACT	BRUCE LARGOSE, 5800 STANFORD RANCH #120, ROCKLIN, CA 95765, #916.491.8000
SCALE	AS SHOWN

PLANNING DOCUMENTS

A1.0



RSC ENGINEERING
 1432 Moody Road, Suite 150
 Pasadena, CA 91106
 Phone: 626.796.3300 Fax: 626.796.4400



- LEGEND:**
- PROPOSED SANITARY SEWER
 - - - EXISTING SANITARY SEWER
 - - - PROPOSED STORM DRAIN
 - - - EXISTING STORM DRAIN
 - - - PROPOSED DOMESTIC WATER LINE
 - - - EXISTING WATER LINE
 - - - EXISTING FIRE SERVICE
 - - - PROPOSED WATER METER
 - - - PROPOSED FIRE DEPARTMENT CONNECTION ASSEMBLY
 - PROPOSED FIRE HYDRANT
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED STORM DRAIN MANHOLE
 - PROPOSED STORM DRAIN INLET
 - - - EXISTING PROPERTY LINE
 - - - EXISTING P.U.E.
 - - 2" POTABLE WATER CONNECTION
 - - 6" SANITARY SEWER CONNECTION

REVISIONS

DATE	DESCRIPTION

QUICK QUACK CAR WASH
 STORE #6-028
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA.

PRELIMINARY UTILITY PLAN

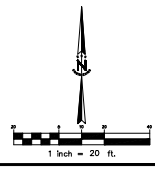
DATE: MAY 4, 2022
 CDM PROJECT #: 997

Any documents and/or data used in the preparation of this plan were not independently verified by the engineer. The engineer is not responsible for the accuracy or completeness of any data or information provided by others. The engineer is not responsible for any errors or omissions in this plan, or for any consequences arising from the use of this plan. The engineer is not responsible for any actions taken by others based on this plan.

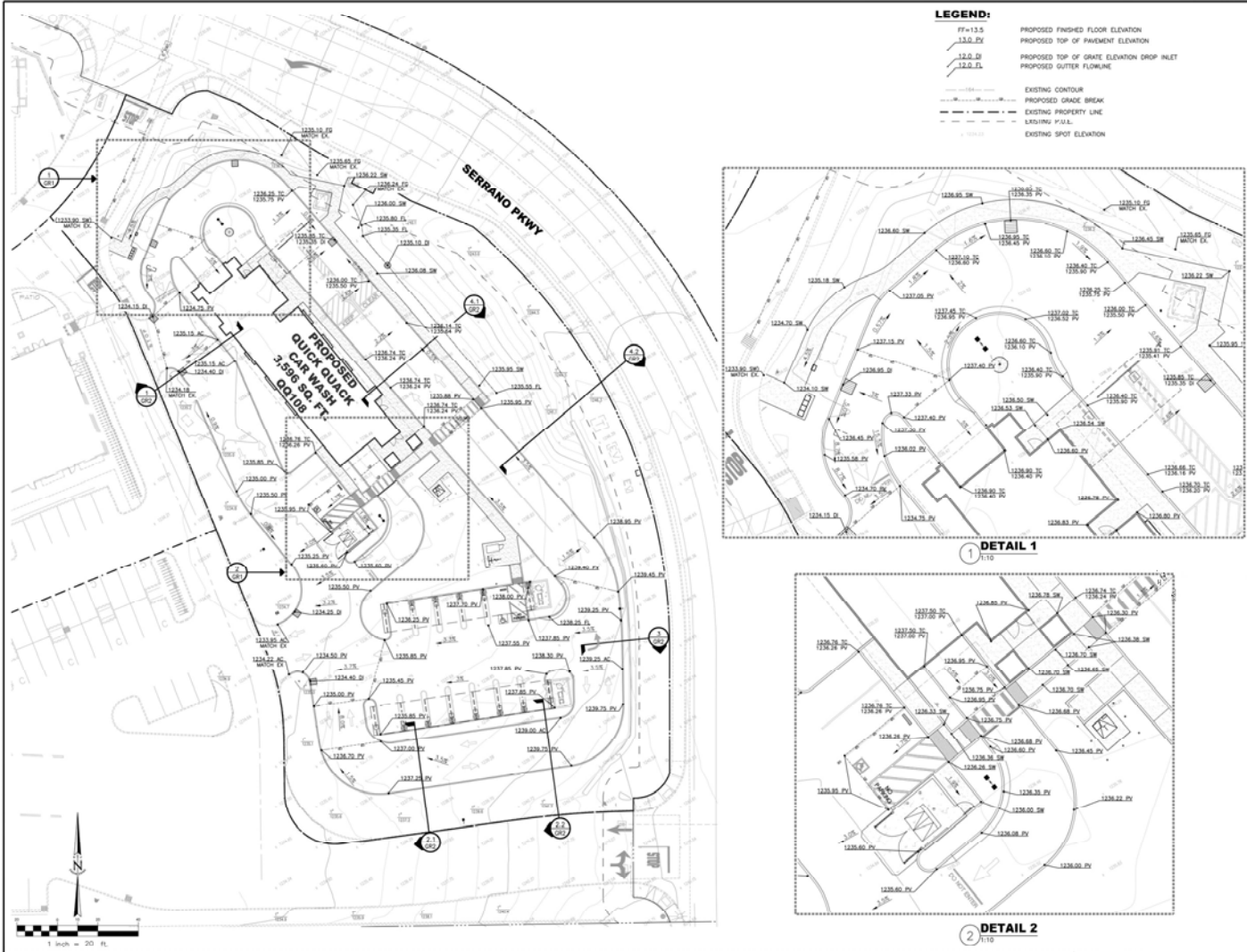


PLANNING DOCUMENTS

UT1



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit E: Site Plan Sheet Set



REVISIONS

NO.	DATE	DESCRIPTION
1		ISSUED FOR PERMITTING

**QUICK QUACK CAR WASH
STORE #6-126
SERRANO BLVD. ROAD,
EL DORADO HILLS, CA.**

**PRELIMINARY
GRADING PLAN**

DATE: MAY 4 2022
CIVIL PROJECT #:

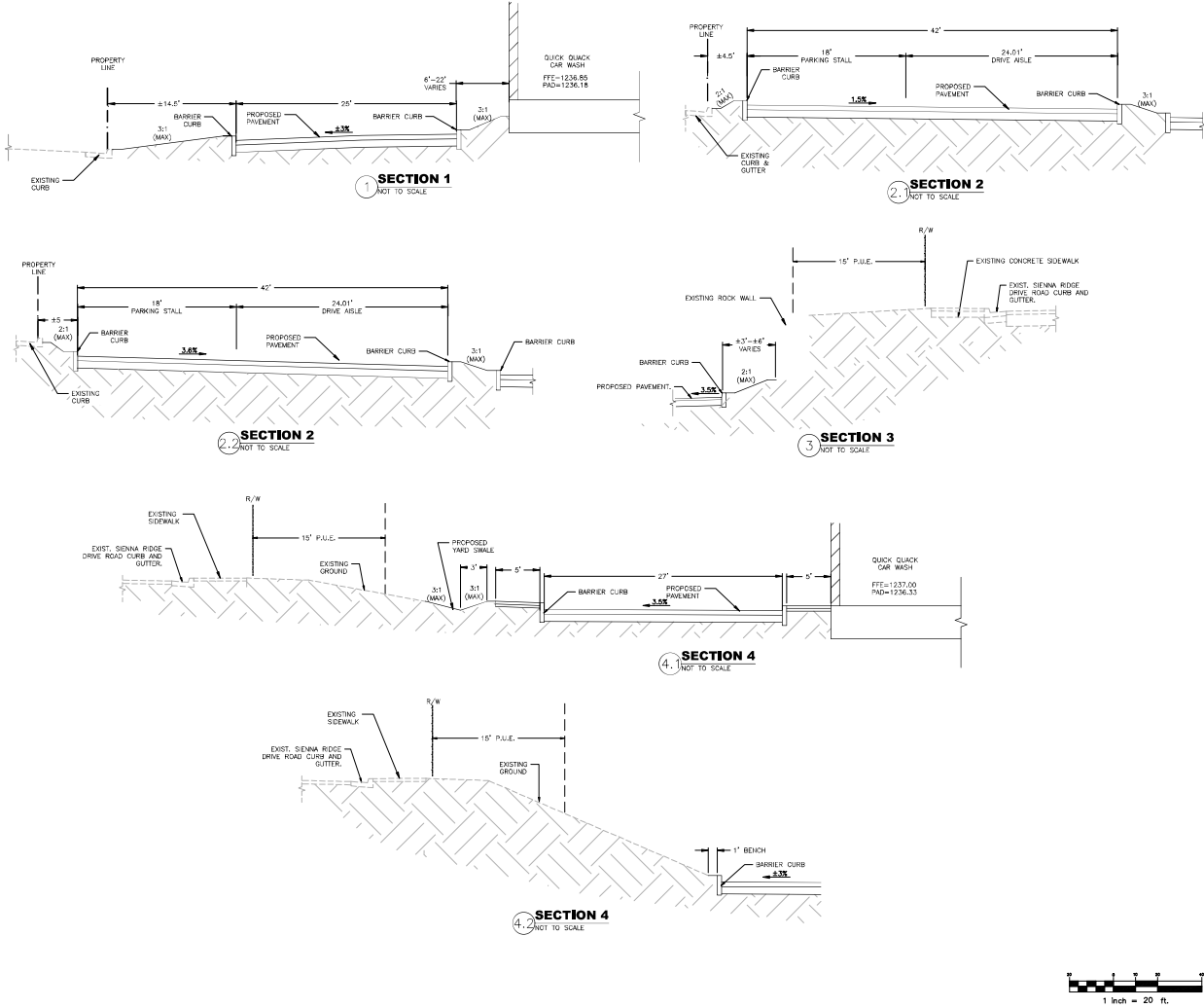
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PLANNING DOCUMENTS

GR1

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit E: Site Plan Sheet Set



RSC ENGINEERING
 1400 Honey Ridge Drive, Suite 100
 Phoenix, AZ 85024
 Phone: 602.734.1300 Fax: 602.734.4408



REVISIONS

#	DATE	DESCRIPTION
1		
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QUICK QUACK CAR WASH
STORE #8-008
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA.

PRELIMINARY GRADING SECTIONS

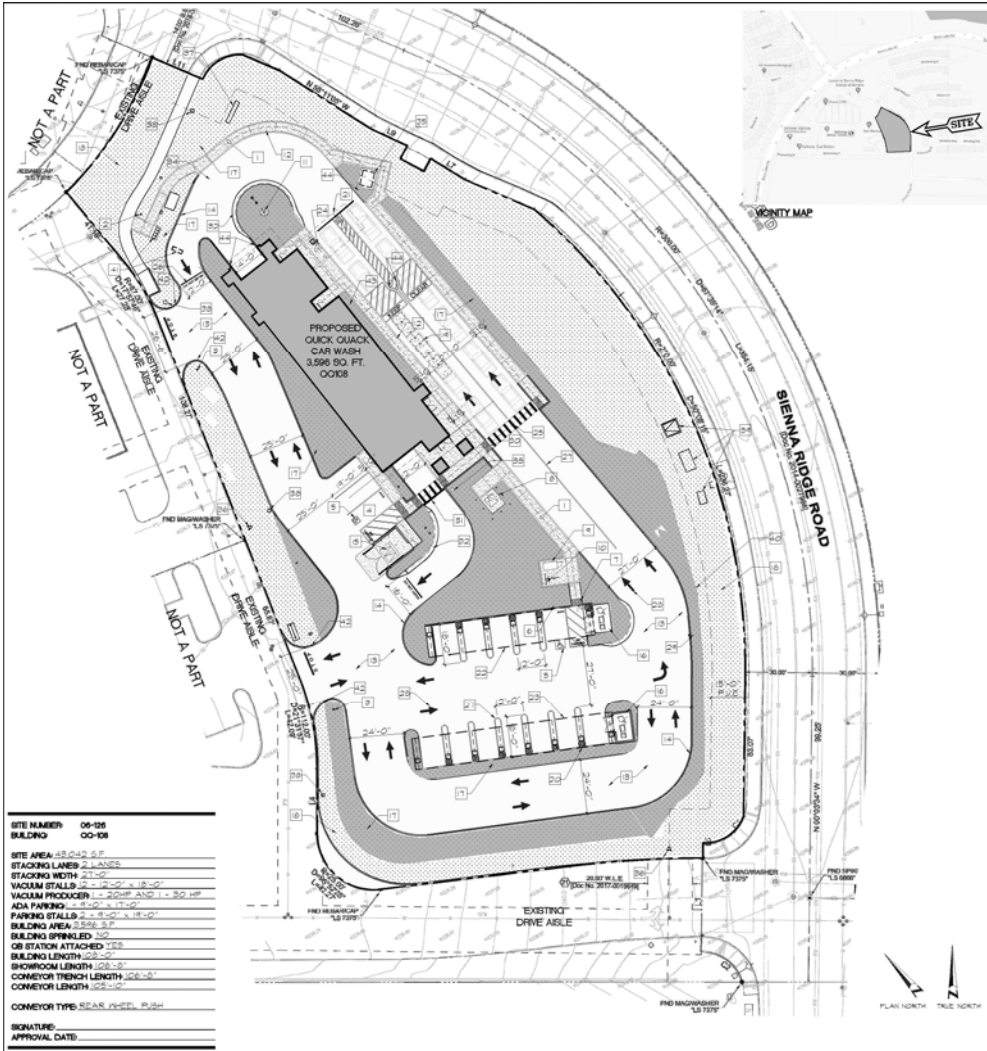
DATE: MAY 4, 2028
 CIVIL PROJECT #: 2027

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GR2

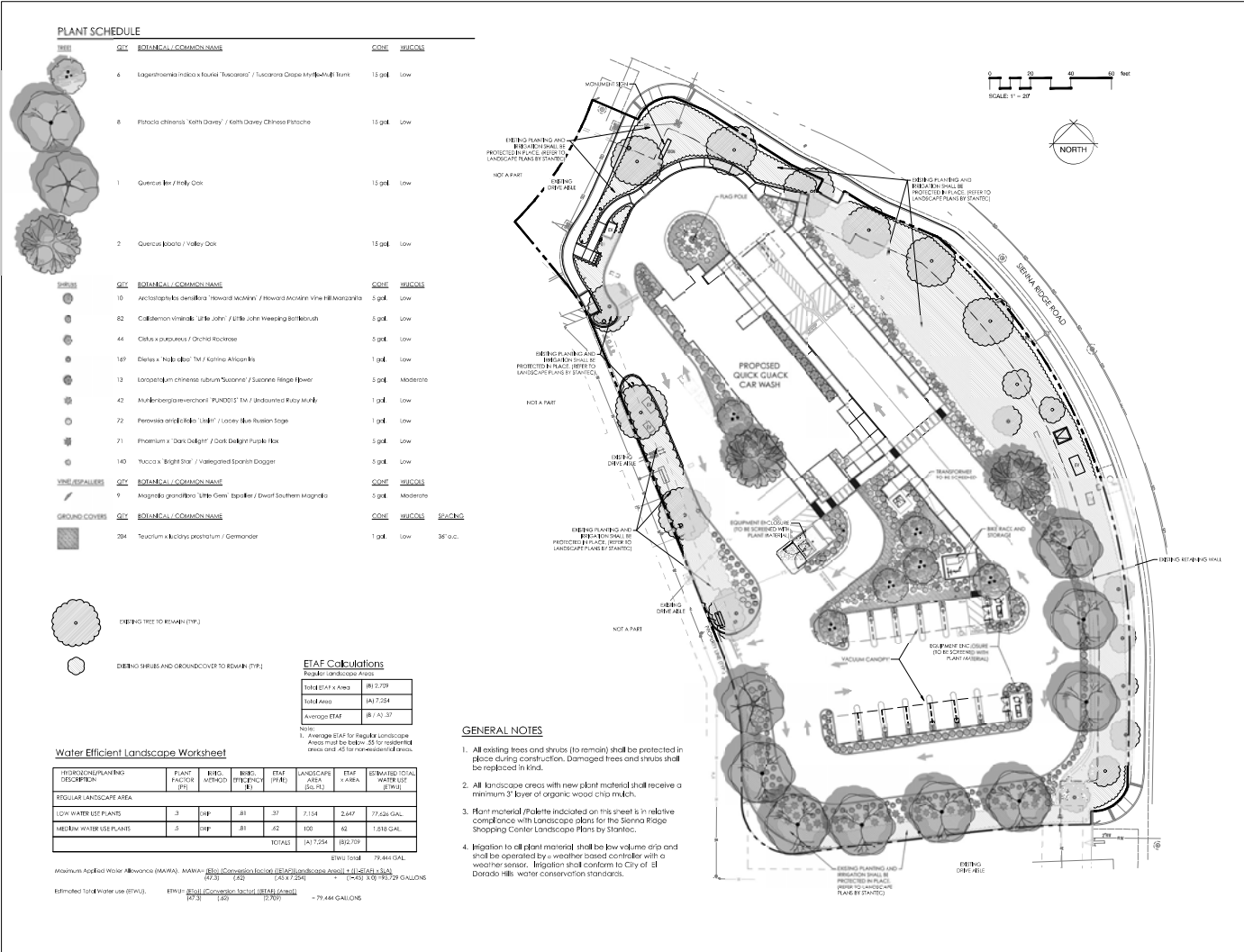


- KEYNOTES**
- ADA PATH OF TRAVEL SHOWN DASHED.
 - NEW GALVANIZED STEEL POLE WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE AT ACCESSIBLE PATH OF TRAVEL.
 - NEW GALVANIZED STEEL POLE WITH TON AWAY SIGNAGE AT EACH ENTRANCE.
 - NEW VAN ACCESSIBLE PARKING STALL - PAINT ACCESSIBLE LOADING ZONE WITH 4" WIDE STRIPING WITH TWO COATS OF HIGHWAY BLUE PAVEMENT MARKING PAINT. PAINT THE WORDS "NO PARKING" IN 12" HIGH LETTERS WITHIN THE LOADING ZONE.
 - NEW INTERNATIONAL SYMBOL PAVEMENT MARKING TWO PLACES.
 - NEW ACCESSIBLE PARKING SIGN TWO PLACES.
 - NEW TRUNCATED DOME (TYPICAL 6 PLACES).
 - NEW ELECTRICAL TRANSFORMER. VERIFY EXACT LOCATION WITH ELECTRIC COMPANY.
 - NEW LONG TERM BIKE LOCKER. CYCLE CARE PRO PARK STANDARD 2 DOOR MODEL. COLOR SANDSTONE RAL 1016.
 - NEW STAINLESS STEEL REBORN BICYCLE RACK. DERB MODEL BR2H-50.
 - 30 FOOT FLAG POLE. STYLE "MEMORIAL" UNCOMMON USA, INC. CLEAR ANODIZED ALUMINUM BRUSH FINISH. INSTALL PER MANUFACTURER'S INSTALLATION GUIDELINES.
 - NEW CONCRETE WALK. MEDIUM BROOM FINISH PERPENDICULAR TO PATH OF TRAVEL. SLOPE NOT TO EXCEED 5% IN DIRECTION OF TRAVEL. CROSS SLOPE NOT TO EXCEED 2% PER SOils REPORT.
 - NEW CONCRETE DRIVE SLAB - THICKNESS AND REINFORCEMENT PER SOils REPORT RECOMMENDATIONS.
 - HEAVY BROOM FINISH PERPENDICULAR TO TRAFFIC.
 - NEW 6" CONCRETE CURB (TYPICAL). SEE FINAL GRADING PLAN AT TIME OF CONSTRUCTION FOR BARRIER CURB LOCATIONS.
 - NEW MASONRY TRASH ENCLOSURE. PRECAST REINFORCED CONCRETE. LOADING APPROX PER SOLID MASTE COMPANY REQUIREMENTS AND PER SOils REPORT RECOMMENDATIONS. SEE DRAWINGS A6.0.
 - NEW MASONRY VACUUM EQUIPMENT ENCLOSURE (TYPICAL 2 PLACES). SEE DRAWING A6.0.
 - NEW LANDSCAPING - SEE LANDSCAPE DRAWINGS.
 - EXISTING LANDSCAPING TO REMAIN. EXISTING IRRIGATION TO BE MODIFIED AS NEEDED.
 - EXISTING LANDSCAPING AND IRRIGATION TO REMAIN. PROTECT IN PLACE. SEE LANDSCAPE DRAWINGS.
 - NEW UNDERGROUND CLARIFYING SYSTEM (3 - 1500 GAL TANKS). SEE CIVIL DRAWINGS.
 - NEW TOMMY BALL 38" DIAMETER SPHERICAL TRASH CONTAINER (TYPICAL 1) TYPICAL AT ELEVEN VACUUM STATIONS. TESTING FINISH. COLOR ORANGE.
 - NEW 14'-0" X 28'-6" RAY CANOPY - SEE DRAWINGS A5.0.
 - NEW 14'-0" X 74'-0" NORTH VACUUM CANOPY - SEE DRAWINGS A5.1.
 - NEW 14'-0" X 80'-0" SOUTH VACUUM CANOPY - SEE DRAWINGS A5.1.
 - NEW DISPLAY PRICE SIGN (TYPICAL 2 PLACES).
 - NEW HIGHWAY PAINT WHITE 12" WIDE @ 3'-0" O.C. PEDESTRIAN STRIPING.
 - NEW HIGHWAY PAINT YELLOW 18" @ 10' NOT ENTER.
 - NEW HIGHWAY PAINT YELLOW 4" STRIPING.
 - NEW HIGHWAY PAINT YELLOW PAVEMENT MARKINGS (TYPICAL).
 - NEW LED SITE LIGHTS (TYPICAL 6 PLACES) - SEE PHOTOMETRIC PLAN.
 - NEW FLUSH SURFACE AT TRANSITION (TYPICAL).
 - NEW FRENCH DRAIN.
 - NEW ROLLED CURB (TYPICAL).
 - NEW TRUMP SIGN - REFERENCE ONLY UNDER SEPARATE PERMIT.
 - SELECTIVE DEMOLITION OF EXISTING PAVING AND CURBS WITHIN LIMITS OF CONSTRUCTION PROJECT. IN PLACE EXISTING LANDSCAPING AND IRRIGATION TO REMAIN.
 - EXISTING ELECTRICAL ENCLOSURE TO REMAIN. ADD BOLLARDS ADJACENT TO NEW QUEUING LANE.
 - EXISTING FIRE HYDRANT TO REMAIN.
 - EXISTING MONUMENT SIGN TO REMAIN.
 - EXISTING SITE LIGHT TO REMAIN.
 - EXISTING ELECTRICAL VAULTS AND TRANSFORMER TO REMAIN.
 - EXISTING RETAINING WALL TO REMAIN.
 - REMOVE EXISTING MAIL BOXES ON SITE AND RELOCATE TO NEW LOCATION ADJACENT TO NEW WALK.
 - SKIMP EXISTING CURB. TIE NEW CURB INTO REMAINING EXISTING CURB. SWALL AND DRYPACK 44 DOWEL.
 - PLANTER AREA FOR PLANTING AT GREEN SCREEN WALL TRELLISES.
 - NEW 5" DIAMETER 8'-0" TALL CONCRETE FILLED PIPE BOLLARD WITH INTEGRALLY COLORED SAFETY YELLOW POLYETHYLENE PIPE SLEEVE PROTECTOR. MANUFACTURER: ENCORE COMPANY PRODUCTS INC. OR EQUIVALENT.
- REVISIONS**
- | NO. | DATE | DESCRIPTION |
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| 1 | 12/15/16 | ISSUE FOR PERMIT |
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| 100 | 12/15/16 | ISSUE FOR PERMIT |
- QUICK QUACK CAR WASH STORE #8-188**
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA
- SITE PLAN**
- DATE:** 12/15/16
DRN PROJECT #: 2016-0004
ISSUE FOR PERMIT: 12/15/16
- PLANNING DOCUMENTS**
- SEAL**
 MICHAEL J. BROWN
 No. C-29480
 (Ren. 11/30/21)
 STATE OF CALIFORNIA
 ENGINEER

CRM Architects & Planners, Inc.
 10000 S. BROADWAY, SUITE 100, DENVER, CO 80231
 PHONE: 303.733.1111 FAX: 303.733.1112

QUICK QUACK CAR WASH

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit E: Site Plan Sheet Set



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1000 W. Broadway, Suite 1000, El Dorado Hills, CA 95762
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Quick Quack CAR WASH

REVISIONS

DATE	DESCRIPTION
APRIL 2022	

QUICK QUACK CAR WASH STORE #6-125
SIENNA RIDGE ROAD
EL DORADO HILLS, CA

LANDSCAPE PLAN

DATE: APRIL 2022
CRM PROJECT #: 2022

OLIVE STREET LANDSCAPE ARCHITECTURE
P.O. BOX 208
EL DORADO HILLS, CA 95762
TEL: 916.437.1000 FAX: 916.437.1001
www.olivestreetlandscape.com

PLANNING DOCUMENTS

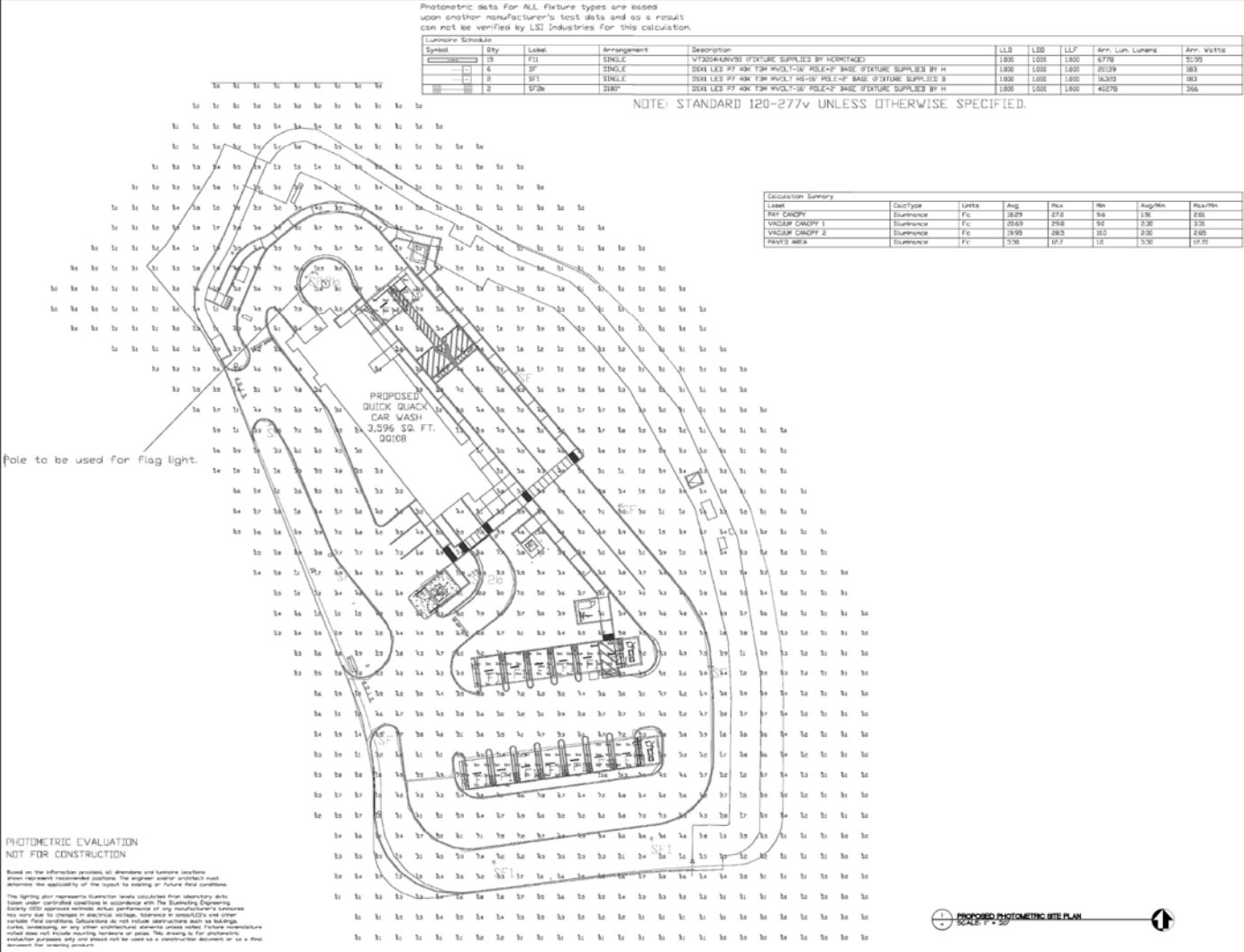
A2.2

Photometric data for ALL fixture types are based upon another manufacturer's test data and as a result can not be verified by LSI Industries for this calculation.

Symbol	Qty	Label	Arrangement	Description	LL0	LL0	LL1	App. Lum. Lumens	App. Watts
13	1	F11	SINGLE	V-TROUBLESHOOTER FIXTURE SUPPLIED BY HERITAGE	1,000	1,000	1,000	6,718	5125
4	4	SF	SINGLE	DSX1 LED 77 40K T3M MVCL-T-24 POLE-LP BASE FIXTURE SUPPLIED BY H	1,000	1,000	1,000	20,339	183
7	2	SPL	SINGLE	DSX1 LED 77 40K T3M MVCL-T-24 POLE-LP BASE FIXTURE SUPPLIED BY H	1,000	1,000	1,000	16,349	183
8	2	SPL	SINGLE	DSX1 LED 77 40K T3M MVCL-T-24 POLE-LP BASE FIXTURE SUPPLIED BY H	1,000	1,000	1,000	40,278	256

NOTE: STANDARD 120-277v UNLESS OTHERWISE SPECIFIED.

Location Summary	CalcType	Lumens	Avg	Max	Min	Avg/ftm	Max/ftm
RAW CANOPY	Evacuation	FC	38.89	27.0	5.6	1.96	2.05
VACUUM CANOPY 1	Evacuation	FC	25.69	29.8	5.0	2.38	3.31
VACUUM CANOPY 2	Evacuation	FC	23.95	28.5	1.0	2.00	2.65
PAVED AREA	Evacuation	FC	5.70	12.7	1.0	5.70	12.13



PHOTOMETRIC EVALUATION NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent estimated conditions. The engineer/architect must determine the feasibility of the layout to existing or future floor conditions.

This lighting plan represents a preliminary study calculated from independent data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaire may vary due to changes in electronic settings, tolerance in manufacturing and other variable field conditions. Calculations do not include obstructions such as buildings, terrain, etc. or any other architectural elements which may affect the distribution of light. This drawing is for informational purposes only and should not be used as a construction document or as a final document for any other purpose.

© 2017 CUP22-0014/PD-R22-0004 SIENNA RIDGE QUICK QUACK EXHIBIT E: SITE PLAN SHEET SET

CRM Architects & Planners, Inc.
 11111 Sienna Ridge Road, Suite 100, El Dorado Hills, CA 95762
 (916) 438-1111

REVISIONS

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QUICK QUACK CAR WASH STORE #6-128
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA

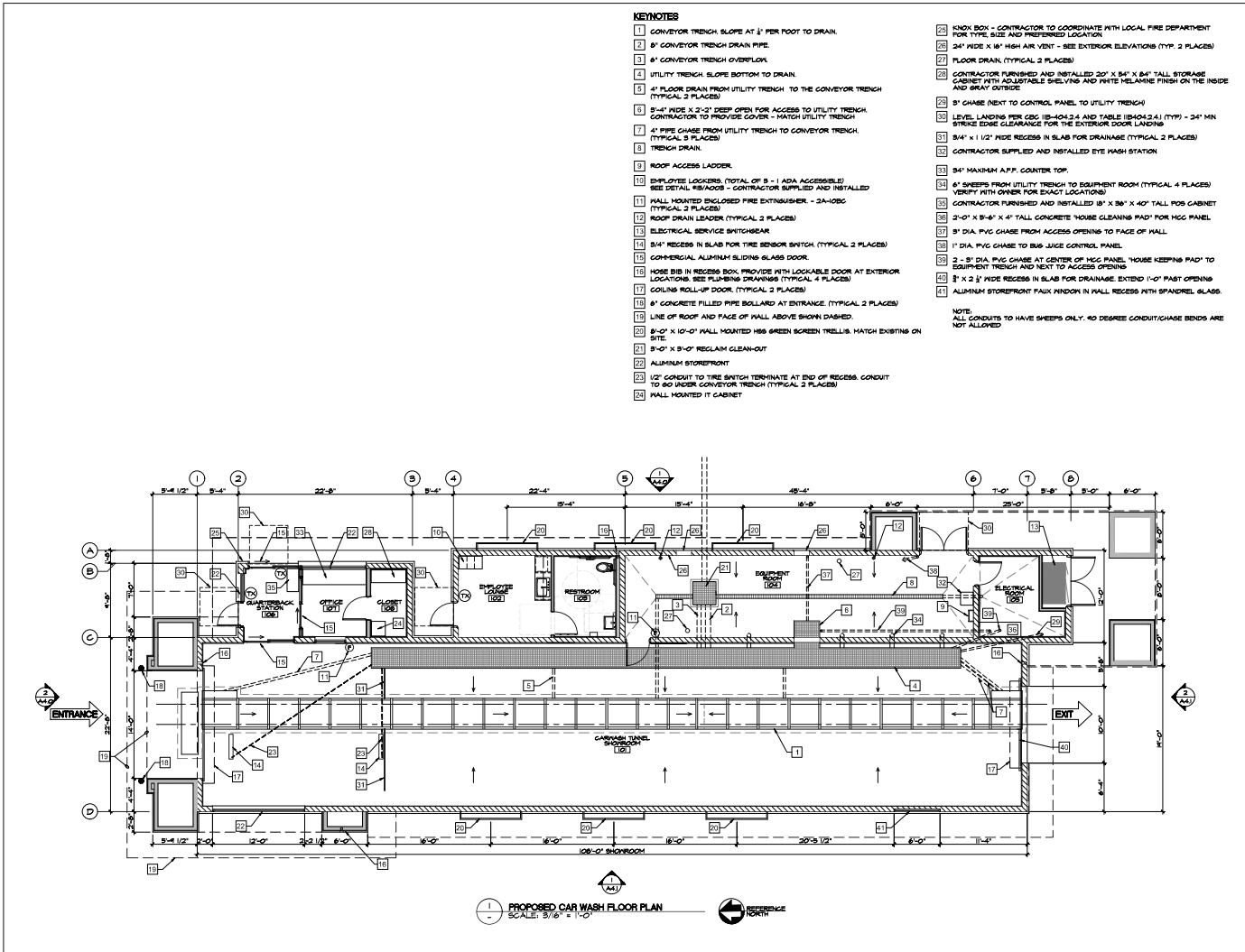
PHOTOMETRIC SITE PLAN

DATE: DECEMBER 2017
 CUP22-0014/PD-R22-0004

REGISTERED PROFESSIONAL ENGINEER
 NO. C-29485
 EXPIRES 11/30/23
 STATE OF CALIFORNIA

PLANNING DOCUMENTS

A2.3



KEYNOTES

- | | |
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| <p>1 CONVEYOR TRENCH SLOPE AT 1/4" PER FOOT TO DRAIN.</p> <p>2 8" CONVEYOR TRENCH DRAIN PIPE.</p> <p>3 4" CONVEYOR TRENCH (3 PLACES).</p> <p>4 UTILITY TRENCH SLOPE BOTTOM TO DRAIN.</p> <p>5 4" FLOOR DRAIN FROM UTILITY TRENCH TO THE CONVEYOR TRENCH (TYPICAL 2 PLACES).</p> <p>6 3'-4" WIDE X 2'-2" DEEP OPEN FOR ACCESS TO UTILITY TRENCH. CONTRACTOR TO PROVIDE COVER - MATCH UTILITY TRENCH.</p> <p>7 4" PIPE CHASE FROM UTILITY TRENCH TO CONVEYOR TRENCH (TYPICAL 3 PLACES).</p> <p>8 TRENCH DRAIN.</p> <p>9 ROOF ACCESS LADDER.</p> <p>10 EMPLOYEE LOCKERS (TOTAL OF 8 - 1 ADA ACCESSIBLE). SEE DETAIL REVISIONS - CONTRACTOR SUPPLIED AND INSTALLED.</p> <p>11 WALL MOUNTED ENCLOSED FIRE EXTINGUISHER - 2A-10BC (TYPICAL 2 PLACES).</p> <p>12 ROOF DRAIN LEADER (TYPICAL 2 PLACES).</p> <p>13 ELECTRICAL SERVICE SWITCHGEAR.</p> <p>14 3/4" RECESS IN SLAB FOR FIRE SENSOR SWITCH (TYPICAL 2 PLACES).</p> <p>15 COMMERCIAL ALUMINUM SLIDING GLASS DOOR.</p> <p>16 HOSE BIB IN RECESS BOX PROVIDE WITH LOCKABLE DOOR AT EXTERIOR LOCATIONS. SEE PLUMBING DRAWINGS (TYPICAL 4 PLACES).</p> <p>17 COLLAPSE ROLLUP DOOR (TYPICAL 2 PLACES).</p> <p>18 4" CONCRETE FILLED PIPE BOLLARD AT ENTRANCE (TYPICAL 2 PLACES).</p> <p>19 LINE OF ROOF AND FACE OF WALL ABOVE SHOWN DASHED.</p> <p>20 8'-0" X 10'-0" WALL MOUNTED HSS GREEN SCREEN TRELLIS. MATCH EXISTING ON SITE.</p> <p>21 3'-0" X 3'-0" REGLAM CLEAN-OUT.</p> <p>22 ALUMINUM STOREFRONT.</p> <p>23 1/2" CONDUIT TO FIRE SWITCH TERMINATE AT END OF RECESS. CONDUIT TO GO UNDER CONVEYOR TRENCH (TYPICAL 2 PLACES).</p> <p>24 WALL MOUNTED IT CABINET.</p> | <p>25 KNOX BOX - CONTRACTOR TO COORDINATE WITH LOCAL FIRE DEPARTMENT FOR TYPE, SIZE AND PREFERRED LOCATION.</p> <p>26 3/4" WIDE X 1/4" HIGH AIR VENT - SEE EXTERIOR ELEVATIONS (TYP. 2 PLACES).</p> <p>27 FLOOR DRAIN (TYPICAL 2 PLACES).</p> <p>28 CONTRACTOR FURNISHED AND INSTALLED 20" X 34" X 84" TALL STORAGE CABINET WITH ADJUSTABLE SHELVING AND WHITE MELAMINE FINISH ON THE INSIDE AND GREAT OUTSIDE.</p> <p>29 3" CHASE NEXT TO CONTROL PANEL TO UTILITY TRENCH.</p> <p>30 LEVEL LANDINGS FOR CBC (18'-0" X 24" AND TABLE (18'-0" X 24") (TYP) - 24" MIN STRIKE EDGE CLEARANCE FOR THE EXTERIOR DOOR LANDINGS.</p> <p>31 3/4" X 1 1/2" RECESS IN SLAB FOR DRAINAGE (TYPICAL 2 PLACES).</p> <p>32 CONTRACTOR SUPPLIED AND INSTALLED EYE WASH STATION.</p> <p>33 3/4" MAXIMUM A.P.F. COUNTER TOP.</p> <p>34 6" SHEEPS FROM UTILITY TRENCH TO EQUIPMENT ROOM (TYPICAL 4 PLACES). VERIFY WITH OWNER FOR EXACT LOCATIONS).</p> <p>35 CONTRACTOR FURNISHED AND INSTALLED 18" X 36" X 40" TALL ROS CABINET.</p> <p>36 2'-0" X 3'-4" X 4" TALL CONCRETE HOSE CLEANING PAD FOR HCC PANEL.</p> <p>37 3" DIA. PVC CHASE FROM ACCESS OPENING TO FACE OF WALL.</p> <p>38 1" DIA. PVC CHASE TO BUG JUICE CONTROL PANEL.</p> <p>39 2 - 3" DIA. PVC CHASE AT CENTER OF HCC PANEL HOSE KEEPING PAD TO EQUIPMENT TRENCH AND NEXT TO ACCESS OPENING.</p> <p>40 3" X 2 1/2" WIDE RECESS IN SLAB FOR DRAINAGE. EXTEND 1'-0" PAST OPENING.</p> <p>41 ALUMINUM STOREFRONT PAUX WINDOW IN HALL RECESS WITH SPANREL GLASS.</p> |
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- NOTE:
ALL CONDUITS TO HAVE SHEEPS ONLY. 90 DEGREE CONDUIT/CHASE BENDS ARE NOT ALLOWED.

CRM Architects & Planners, Inc.
 1000 S. GARDEN AVENUE, SUITE 100
 GARDEN GROVE, CA 92640
 PHONE: (714) 441-1100

REVISIONS	DATE	DESCRIPTION

QUICK QUACK CAR WASH
 STORE #0-120
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA

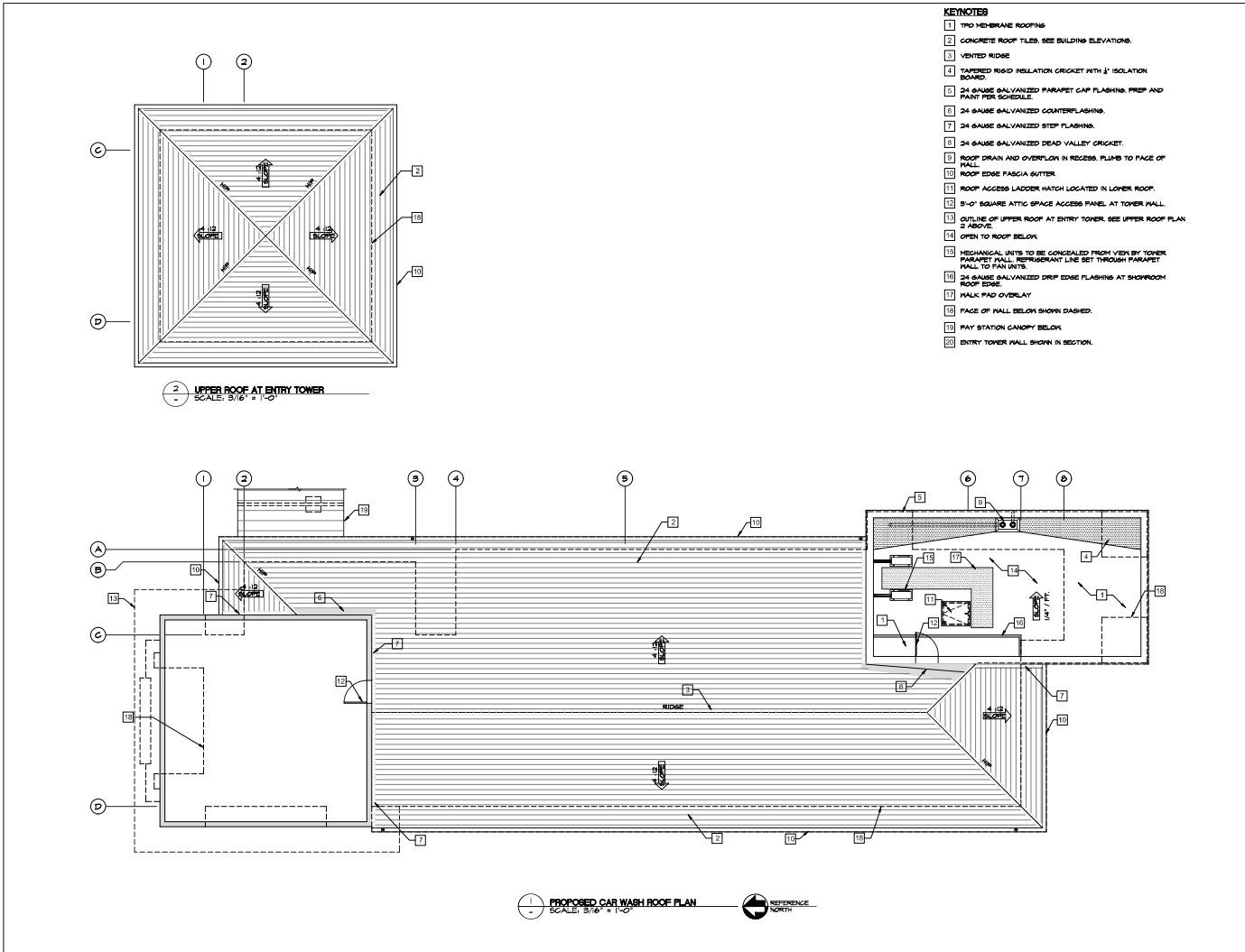
FLOOR PLAN

DATE: DECEMBER 2007
 ORN PROJECT #: 2007

PLANNING DOCUMENTS

A3.0

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit E: Site Plan Sheet Set



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10000 Wilshire Blvd., Suite 1000
Beverly Hills, CA 90210
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A3.1



REVISIONS

DATE	DESCRIPTION

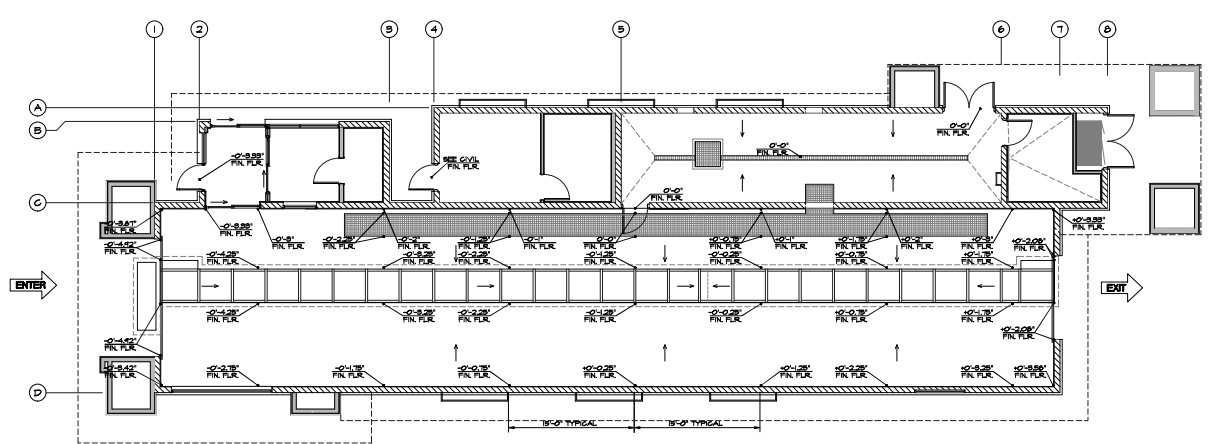
**QUICK QUACK CAR WASH
 STORE #3-129
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA.**

FINISH FLOOR ELEVATIONS

DATE	DESCRIPTION



PLANNING DOCUMENTS
A3.2



1 CAR WASH FINISH FLOOR ELEVATIONS
 SCALE: 3/16" = 1'-0"



1 SITE PERSPECTIVE OR SCALE: N/A



2 SITE PERSPECTIVE OR SCALE: N/A



1880 LEAD HILL BLVD, STE. 260, ROSEVILLE, CA 95691

QUICK QUACK
STORE #26-126
8379 BASS LAKE ROAD
EL DORADO HILLS, CA
EL DORADO COUNTY

REVISIONS

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PERSPECTIVE DRAWINGS

DATE: 04/14/2023

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CONSTRUCTION DOCUMENTS

A3.04



3 SITE RENDERING 03
SCALE: N.T.S.



4 SITE RENDERING 04
SCALE: N.T.S.



1890 LEAD HILL BLVD., STE. 100, ROSEVILLE, CA 95661

QUICK QUACK
STORE #26-126
3379 BASS LAKE ROAD
EL DORADO HILLS, CA
EL DORADO COUNTY

REVISIONS

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PERSPECTIVE DRAWINGS

DATE: 04/14/2023

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A3.05



⑤ SITE RENDERING 05
SCALE: 1/8" = 1'-0"



⑥ SITE RENDERING 05
SCALE: 1/8" = 1'-0"



1340 LEAD HILL BLVD., STE. 100, ROSEVILLE, CA 95681

QUICK QUACK
STORE # 26-126
3379 BASS LAKE ROAD
EL DORADO HILLS, CA
EL DORADO COUNTY

REVISIONS

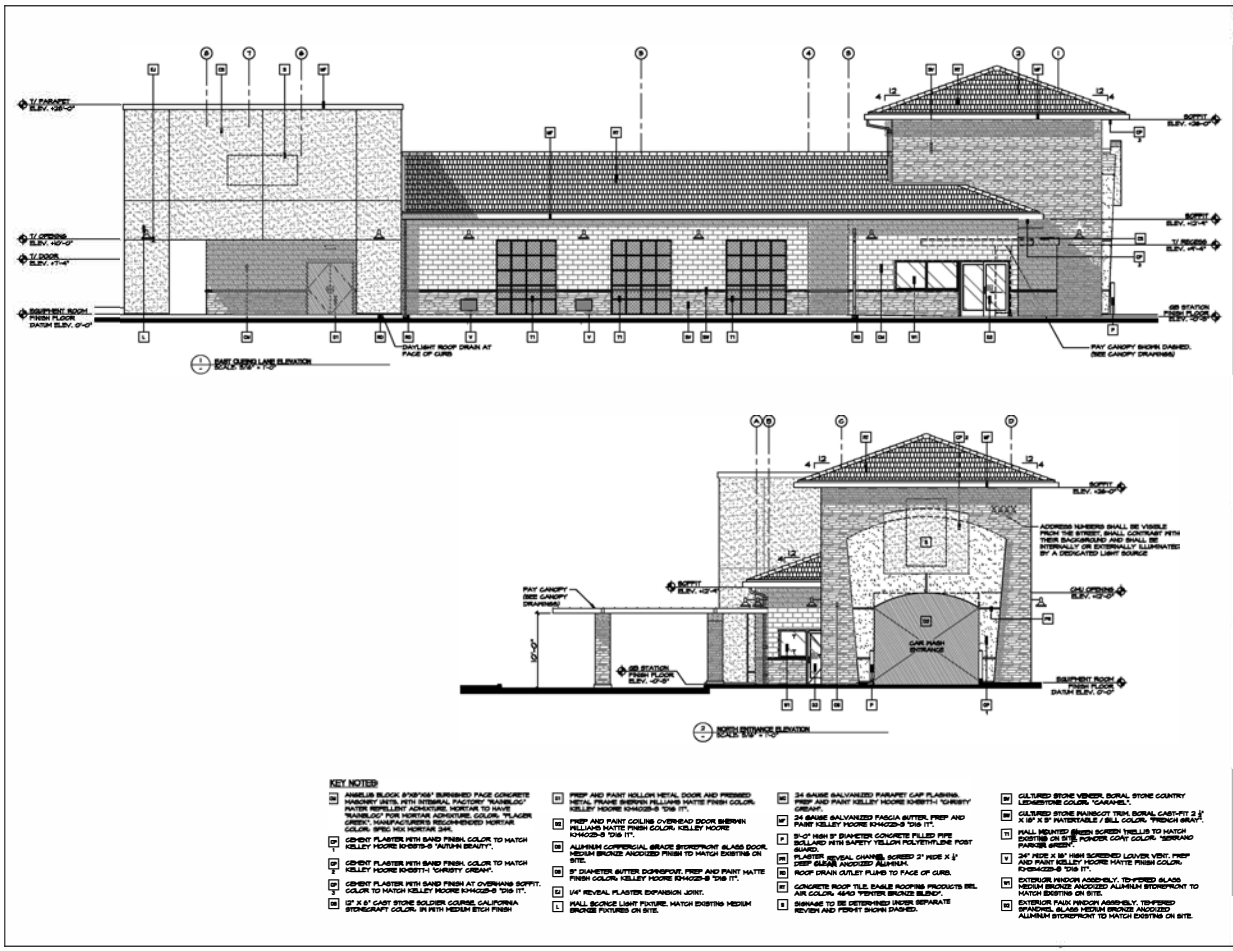
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PERSPECTIVE DRAWINGS

DATE: 04/14/2023

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QUICK QUACK CAR WASH
 STORE #6-128
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA

EXTERIOR ELEVATIONS

DWG NO. EX-1000-001
 DATE 08/11/2010

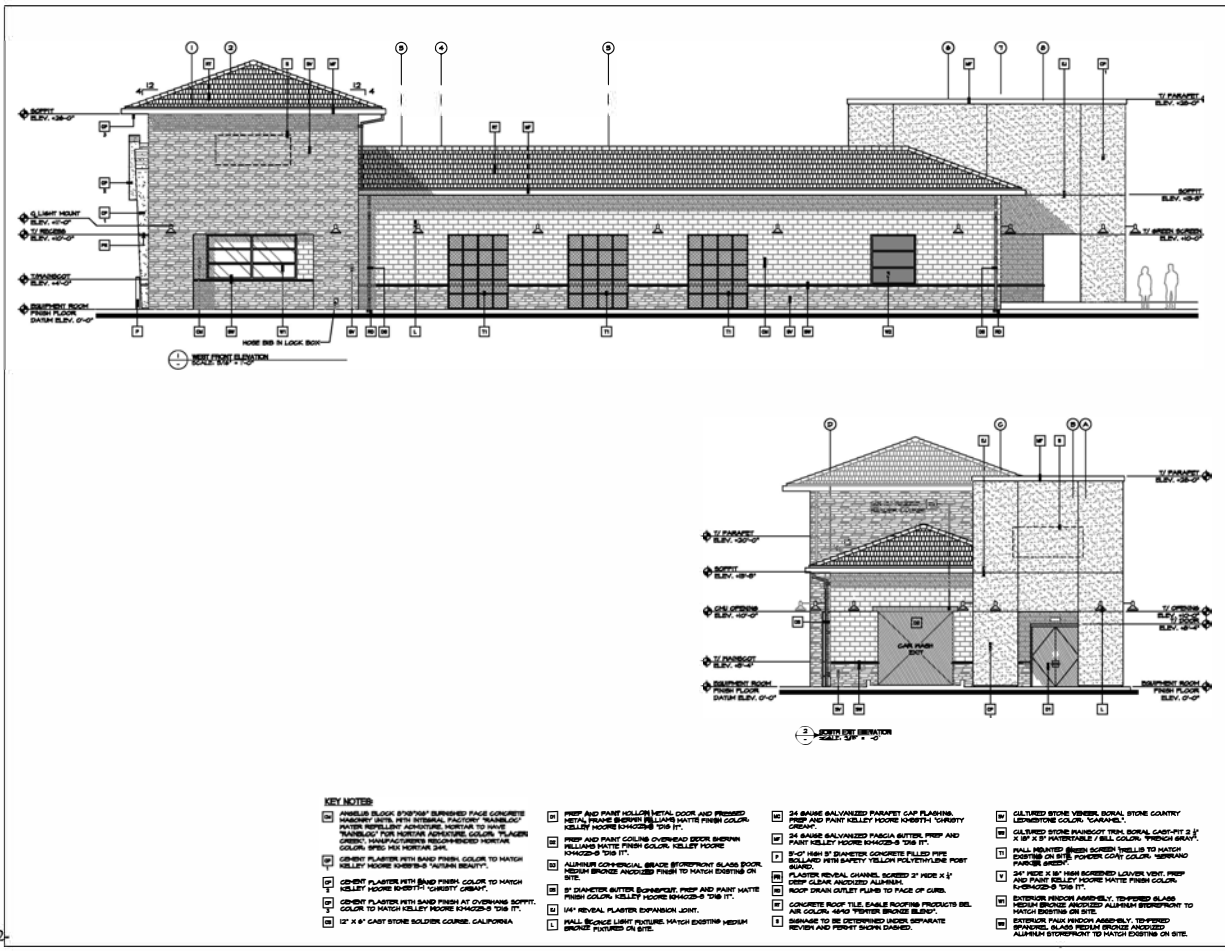
PROJECT NO. 2010-001



PLANNING DOCUMENTS

A4.0

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit E: Site Plan Sheet Set



CRM Architects & Planners, Inc.
 10000 El Dorado Hills Road, Suite 100
 El Dorado Hills, CA 95623
 Phone: (916) 437-1111
 Fax: (916) 437-1112

Quick Quack CAR WASH

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BUILDING ELEVATIONS

DATE: _____ ENGINEER: _____
 OR PROJECT #: _____ REV: _____

PLANNING DOCUMENTS

A4.1

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit E: Site Plan Sheet Set



EAST ELEVATION
NW - 1-C



NORTH ELEVATION
SW - 1-C

MATERIAL LEGEND

- CONCRETE ROOF TILE: SHAGLE ROOFING PRODUCTS BELAIR
COLOR: #480 'FLEWTER BRONZE BLEND'
- CULTURED STONE: BOMAL STONELEDGESTONE
COLOR: 'CARAMEL COUNTRY'
- CONCRETE MASONRY: ANGELUS BLOCK BURNISHED FACE
COLOR: 'PLACER CREEK'
- CEMENT PLASTER: SAND FINISH
COLOR: MATCH KELLEY MOORE KM059-3 'AUTUMN BEAUTY'
- CEMENT PLASTER: SAND FINISH
COLOR: MATCH KELLEY MOORE KM057-1 'CHRISTY CREAM'
- CEMENT PLASTER UNDER EAVES: SAND FINISH
AND PAINTED METAL: DOORS: MATCHED FINISH
COLOR: KELLEY MOORE KM023-3 'DUSK FT'
- PAINTED METAL: MATTE FINISH
COLOR: MATCH EXISTING ON SITE 'SERRANO PARKER GREEN'
- BUILDING SIGNAGE TO BE DETERMINED
SHOWN DASHED

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 (916) 424-4444

REVISIONS
 # DATE DESCRIPTION

#	DATE	DESCRIPTION

QUICK QUACK CAR WASH
 STORE #0-200
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA

COLORS BUILDING ELEVATIONS

DATE	DESCRIPTION

PLANNING LANDSCAPE

A4.2



WEST ELEVATION

3/8" = 1'-0"



SOUTH ELEVATION

3/8" = 1'-0"

MATERIAL LEGEND

- CONCRETE ROOF TILE: SHALE ROOFING PRODUCTS BELAIR
COLOR: #880 'PREWER BRONZE BLEND'
 - CULTURED STONE: BOMAL STONELEDGESTONE
COLOR: 'CARAMEL COUNTRY'
 - CONCRETE MASONRY: ANGELUS BLOCK BURNISHED FACE
COLOR: 'PLACER CREEK'
 - CEMENT PLASTER: SAND FINISH
COLOR: MATCH KELLEY MOORE KM5974-3 'AUTUMN BEAUTY'
 - CEMENT PLASTER: SAND FINISH
COLOR: MATCH KELLEY MOORE KM5974-1 'CHRISTY CREAM'
 - CEMENT PLASTER UNDERLAVES: SAND FINISH
AND PAINTED METAL LOOKS: MATTE FINISH
COLOR: KELLEY MOORE KM4024-3 'DOD IT'
 - PAINTED METAL: MATTE FINISH
COLOR: MATCH EXISTING ON SITE 'SERRANO PARKER GREEN'
- BRIDGE TO BE DETERMINED
□ SHOW UNKIND

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970.944.2222

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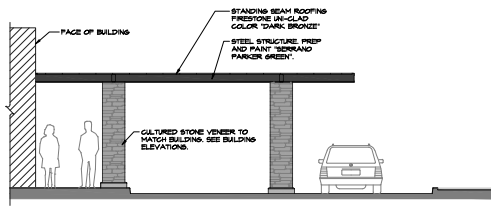
**QUICK QUACK CAR WASH
STORE #6-128
SIENNA RIDGE ROAD
EL DORADO HILLS, CA**

**COLOR OF BUILDING
ELEVATIONS**

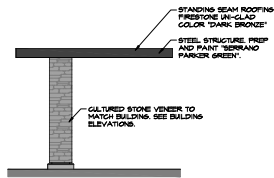
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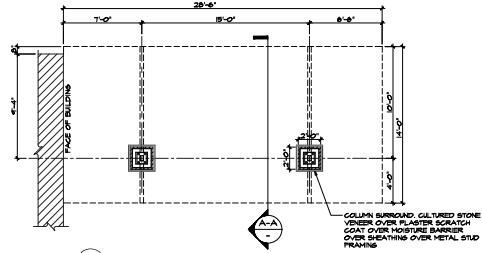
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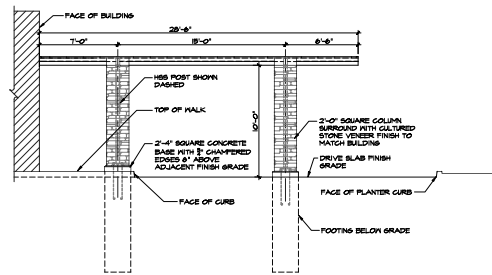
3 PAY STATION CANOPY COLOR ELEVATION
SCALE: 1/4" = 1'-0"



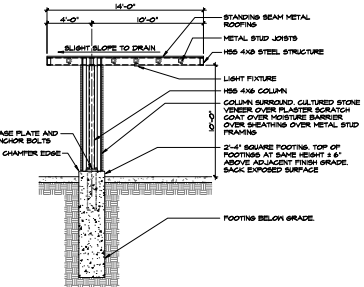
4 TYPICAL CANOPY SIDE COLOR ELEVATION
SCALE: 1/4" = 1'-0"



1 PAY STATION CANOPY PLAN
SCALE: 1/4" = 1'-0"



2 PAY STATION CANOPY ELEVATION
SCALE: 1/4" = 1'-0"



A-A TYPICAL CANOPY SECTION
SCALE: 1/4" = 1'-0"

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QUICK QUACK CAR WASH
STORE #6-08
SIENNA RIDGE ROAD
EL DORADO HILLS, CA

PAY CANOPY

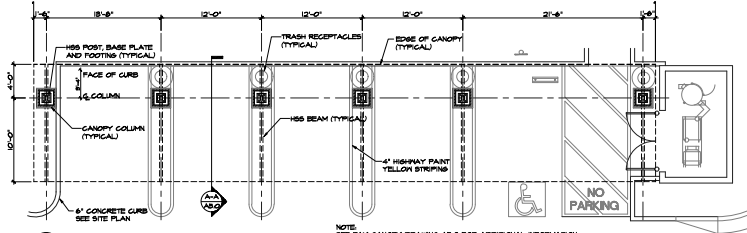
DATE: DECEMBER 2012
CRM PROJECT # 2012

PREPARED BY: [Redacted]
CHECKED BY: [Redacted]
DATE: 12/12/12

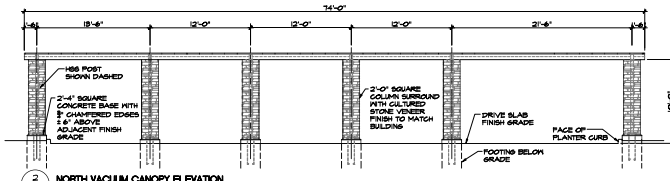


PLANNING DOCUMENTS

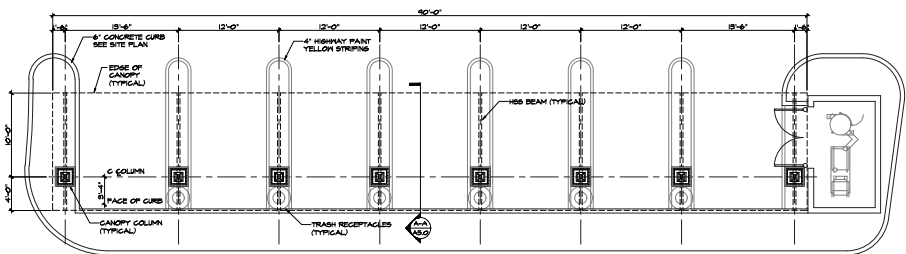
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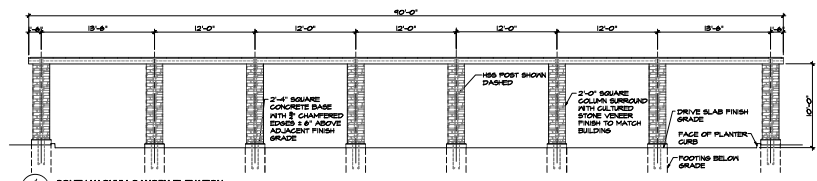
1 NORTH VACUUM CANOPY PLAN
SCALE: 1/4" = 1'-0"



2 NORTH VACUUM CANOPY ELEVATION
SCALE: 1/4" = 1'-0"



3 SOUTH VACUUM CANOPY PLAN
SCALE: 1/4" = 1'-0"



4 SOUTH VACUUM CANOPY ELEVATION
SCALE: 1/4" = 1'-0"

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10000 North 10th Street, Suite 100
Phoenix, AZ 85020
Phone: (602) 955-1100



REVISIONS	DATE	DESCRIPTION

QUICK QUACK CAR WASH
STORE #6-108
SIENNA RIDGE ROAD
EL DORADO HILLS, CA

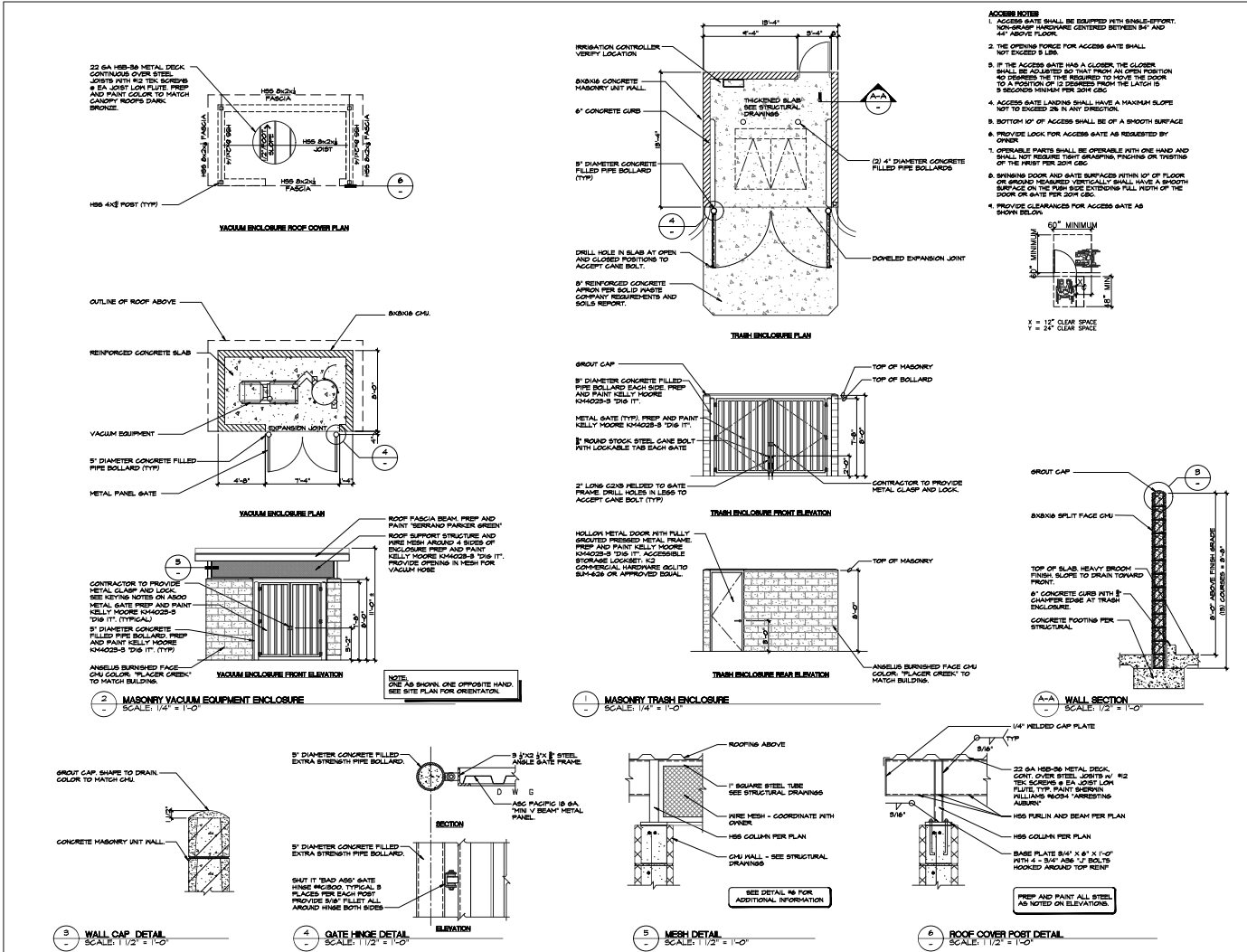
VACUUM CANOPY PLANS

DATE	DECEMBER 2007
CRM PROJECT #	2007



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A5.1



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 Culver City, CA 90230
 Phone: (310) 471-1100

Quick Quack CAR WASH

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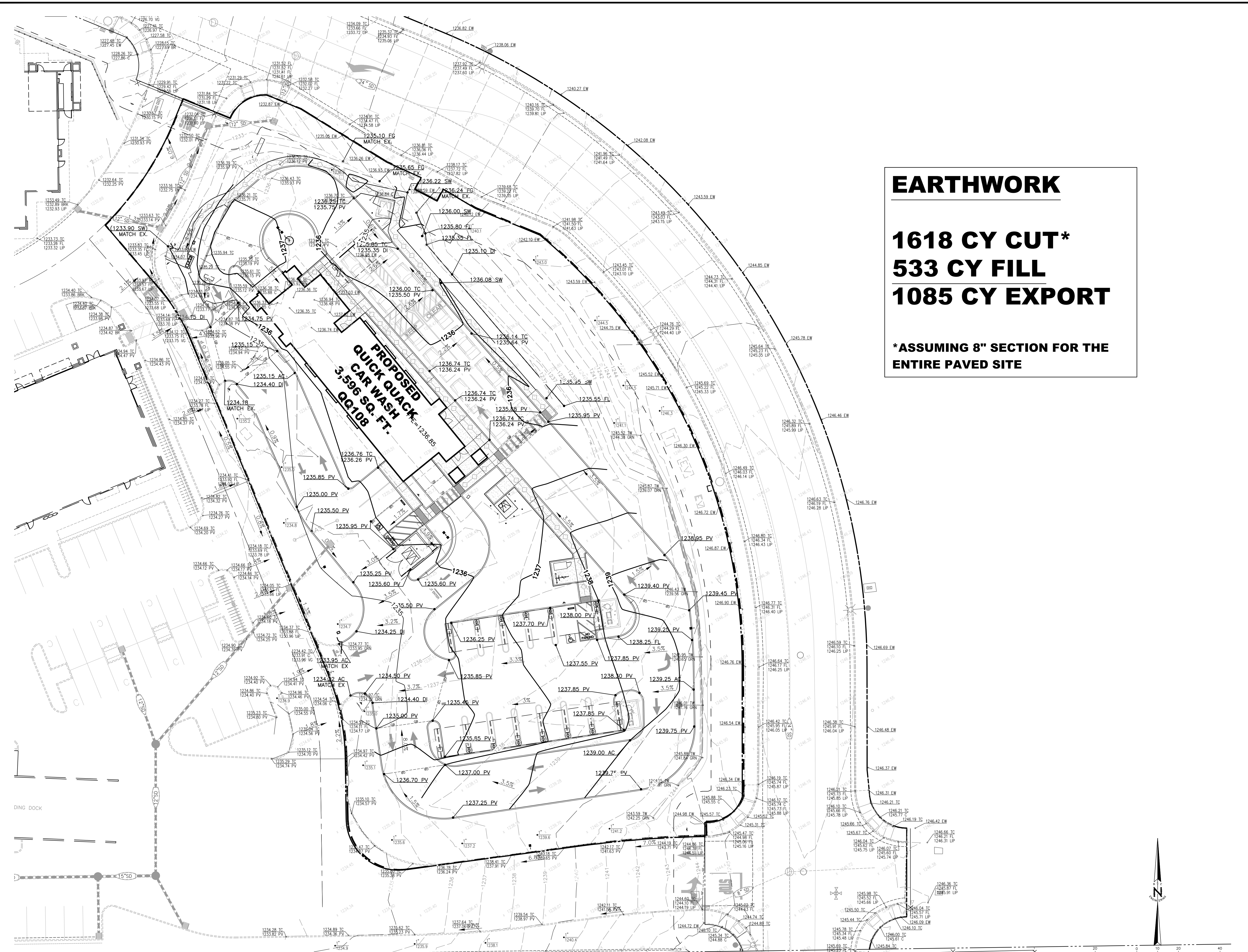
QUICK QUACK CAR WASH STORE #6-08
 SIENNA RIDGE ROAD
 EL DORADO HILLS, CA

SITE ELEMENTS ENCLOSURES

DATE: DECEMBER 2008
 CHM PROJECT #: 2008

PLANNING DOCUMENTS

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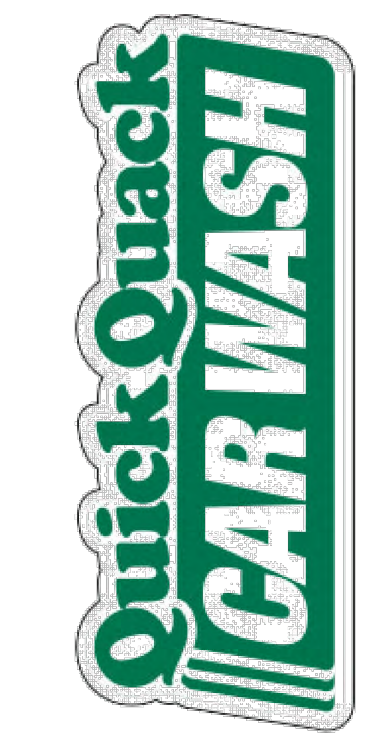
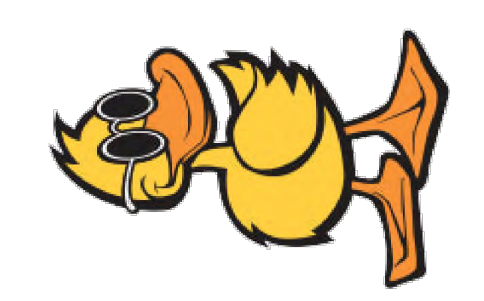
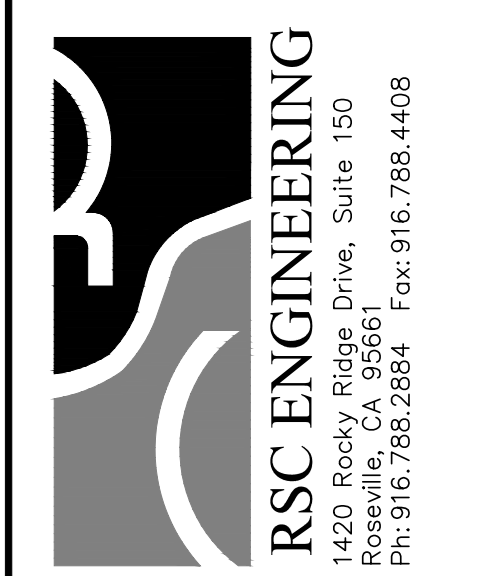


EARTHWORK

1618 CY CUT*
533 CY FILL
1085 CY EXPORT

*ASSUMING 8" SECTION FOR THE ENTIRE PAVED SITE

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit F: Preliminary Grading Plans



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QUICK QUACK CAR WASH
STORE #6-126
SIENNA RIDGE ROAD
EL DORADO HILLS, CA.

PRELIMINARY GRADING PLAN

DATE: MAY 4, 2022
 CRM PROJECT #: 2087

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GR1

DATE PLOTTED: 05/04/2022 10:01 AM
 PLOT FILE: C:\Users\jvandenb\OneDrive\Desktop\2022\CUP22-0014\PD-R22-0004\GR1.dwg
 PLOT SCALE: 1" = 20'



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit G: Photosimulations



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit G: Photosimulations



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit G: Photosimulations



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit G: Photosimulations



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit G: Photosimulations



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit G: Photosimulations

Quick Quack Car Wash (Store #6-126) – El Dorado CA

Noise Impact Study

County of El Dorado, CA

Prepared for:

Quick Quack Development II, LLC
Mr. Vance A. Shannon
1380 Lead Hill Blvd #260
Roseville, CA 95661

Prepared by:

MD Acoustics, LLC
Francisco Irarrazabal
1197 Los Angeles Avenue, Ste 256
Simi Valley, CA 93065

Date: 10/6/2021



Noise Study Reports | Vibration Studies | Air Quality | Greenhouse Gas | Health Risk Assessments

P) AZ - 602.774.1950

P) CA - 805.426.4477

www.mdacoustics.com
info@mdacoustics.com

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit H: Noise Impact Study

23-1931 D 35 of 213

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1.0 Executive Summary

1.1 Project Description and Site Location Study Area

The project proposes developing a 3,596 square foot car wash tunnel with twelve (12) vacuum bays on an approximately 43,042 square foot lot. The project car wash is proposed to operate during the allowable daytime and evening hours (7 AM to 10 PM). The site location is at 3379 Bass Lake Road in the unincorporated community of El Dorado Hills in El Dorado County, CA as shown in Exhibit A. According to County's general plan land use map, the land uses directly surrounding the project include commercial to the north and west and residential uses to the east and south. Exhibit B illustrates the site plan used for this study.

1.2 Findings and Conclusions

Two (2) locations were selected at the south and east property lines to determine baseline ambient noise. Three (3) 20-min measurements were averaged at each location to represent the ambient noise condition within the project vicinity. Ambient noise data indicate the average noise level registered were 54 and 58 dBA Leq. The predominant noise impacting the existing commercial uses is traffic noise propagating from Sienna Ridge Road and construction equipment working nearby.

This study compares the project's operational noise levels to two (2) different noise assessment scenarios: 1) Project only operational noise level projections, 2) Project plus ambient noise level projections.

Project-only operational noise levels are anticipated to range between 32 to 46 dBA Leq at adjacent commercial and residential uses. The "project only" noise projections to the adjacent uses are below the County's daytime limits of 55 dBA for Community Regions and 50 dBA for evening time, as outlined within the County's Municipal Code (see Section 130.37.060 (a)).

Project plus ambient noise level projections are anticipated to measure up to 58 dBA Leq, depending on the location of the receptor. This assessment evaluates the baseline noise condition and compares the project's worst-case operational noise level to the measured noise level (during the project's proposed hours of operation).

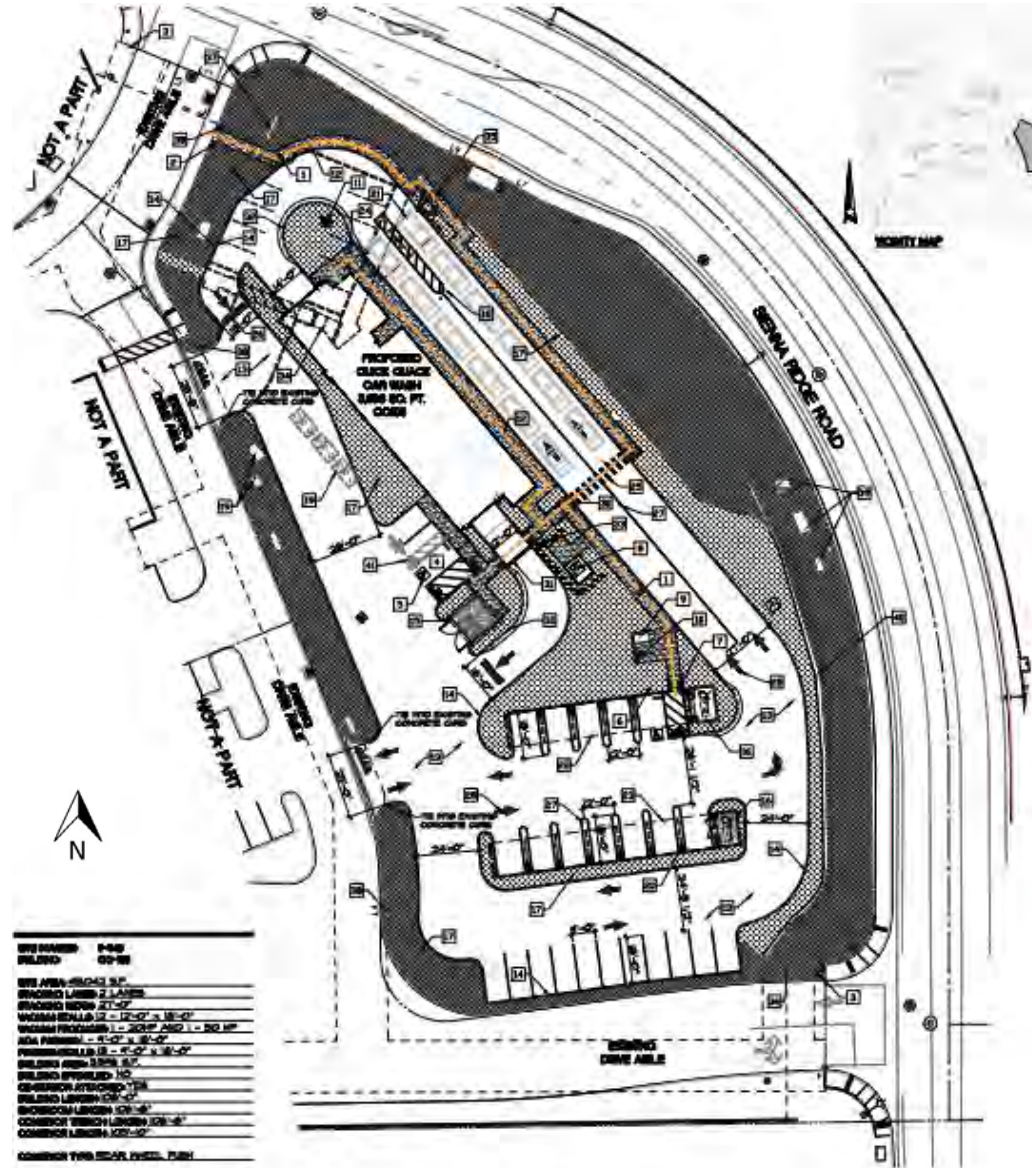
The following outlines the project design features:

1. The project will incorporate 12 Sonny with inlet silencer package or Peco blowers systems to meet these acoustical benchmarks.
2. The tunnel exit and entrance should be lined at least 25' from each opening with acoustically absorptive material. See Appendix B
3. The project proposes to house the vacuum turbine motors inside a CMU enclosure.

Exhibit A Location Map



Exhibit B
 Site Plan



2.0 Fundamentals of Noise

This section of the report provides basic information about noise and presents some of the terms used in the report.

2.1 Sound, Noise, and Acoustics

Sound is a disturbance created by a moving or vibrating source and is capable of being detected by the hearing organs. Sound may be thought of as mechanical energy of a moving object transmitted by pressure waves through a medium to a human ear. For traffic or stationary noise, the medium of concern is air. *Noise* is defined as sound that is loud, unpleasant, unexpected, or unwanted.

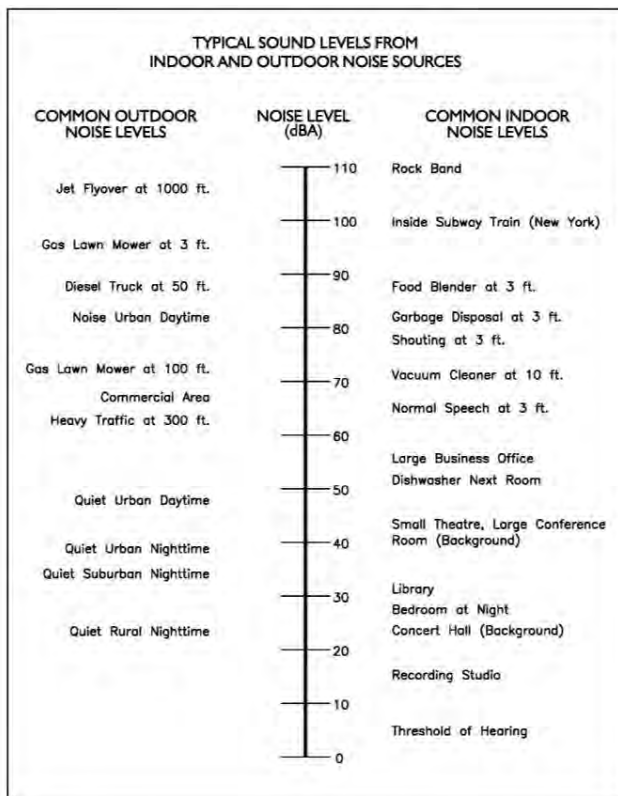
2.2 Frequency and Hertz

A continuous sound is described by its *frequency* (pitch) and its *amplitude* (loudness). Frequency relates to the number of pressure oscillations per second. Low-frequency sounds are low in pitch (bass sounding) and high-frequency sounds are high in pitch (squeak). These oscillations per second (cycles) are commonly referred to as Hertz (Hz). The human ear can hear from the bass pitch starting at 20 Hz to the high pitch of 20,000 Hz.

2.3 Sound Pressure Levels and Decibels

The *amplitude* of a sound determines its loudness. The loudness of sound increases or decreases as the amplitude increases or decreases. Sound pressure amplitude is measured in units of micro-Newton per square inch meter ($\mu\text{N}/\text{m}^2$), also called micro-Pascal (μPa). One μPa is approximately one hundred billionths (0.0000000001) of normal atmospheric pressure. Sound pressure level (SPL or L_p) is used to describe in logarithmic units the ratio of actual sound pressures to a reference pressure squared. These units are called decibels, abbreviated dB. Exhibit C illustrates references sound levels for different noise sources.

Exhibit C: Typical A-Weighted Noise Levels



2.4 Addition of Decibels

Because decibels are on a logarithmic scale, sound pressure levels cannot be added or subtracted by simple plus or minus addition. When two sounds of equal SPL are combined, they will produce an SPL 3 dB greater than the original single SPL. In other words, sound energy must be doubled to produce a 3 dB increase. If two sounds differ by approximately 10 dB, the higher sound level is the predominant sound.

2.5 Human Response to Changes in Noise Levels

In general, the healthy human ear is most sensitive to sounds between 1,000 Hz and 5,000 Hz, and it perceives a sound within that range as being more intense than a sound with a higher or lower frequency with the same magnitude. For purposes of this report as well as with most environmental documents, the A-scale weighting is typically reported in terms of A-weighted decibel (dBA), a scale designed to account for the frequency-dependent sensitivity of the ear. Typically, the human ear can barely perceive a change in the noise level of 3 dB. A change in 5 dB is readily perceptible, and a change in 10 dB is perceived as being twice or half as loud. As previously discussed, a doubling of sound energy results in a 3 dB increase in sound, which means that a doubling of sound energy (e.g. doubling the volume of traffic on a highway) would result in a barely perceptible change in sound level.

2.6 Noise Descriptors

Noise in our daily environment fluctuates over time. Some noise levels occur in regular patterns, others are random. Some noise levels are constant while others are sporadic. Noise descriptors were created to describe the different time-varying noise levels.

A-Weighted Sound Level: The sound pressure level in decibels as measured on a sound level meter using the A-weighted filter network. The A-weighting filter de-emphasizes the very low and very high-frequency components of the sound in a manner similar to the response of the human ear. A numerical method of rating human judgment of loudness.

Ambient Noise Level: The composite of noise from all sources, near and far. In this context, the ambient noise level constitutes the normal or existing level of environmental noise at a given location.

Community Noise Equivalent Level (CNEL): The average equivalent A-weighted sound level during a 24-hour day, obtained after the addition of five (5) decibels to sound levels in the evening from 7:00 to 10:00 PM and after the addition of ten (10) decibels to sound levels in the night before 7:00 AM and after 10:00 PM.

Decibel (dB): A unit for measuring the amplitude of a sound, equal to 20 times the logarithm to the base 10 of the ratio of the pressure of the sound measured to the reference pressure, which is 20 micro-pascals.

dB(A): A-weighted sound level (see definition above).

Equivalent Sound Level (LEQ): The sound level corresponding to a steady noise level over a given sample period with the same amount of acoustic energy as the actual time-varying noise level. The energy average noise level during the sample period.

Habitable Room: Any room meeting the requirements of the Uniform Building Code, or other applicable regulations, which is intended to be used for sleeping, living, cooking, or dining purposes, excluding such enclosed spaces as closets, pantries, bath or toilet rooms, service rooms, connecting corridors, laundries, unfinished attics, foyers, storage spaces, cellars, utility rooms, and similar spaces.

L(n): The A-weighted sound level exceeded during a certain percentage of the sample time. For example, L10 in the sound level exceeded 10 percent of the sample time. Similarly L50, L90, and L99, etc.

Noise: Any unwanted sound or sound which is undesirable because it interferes with speech and hearing, or is intense enough to damage hearing, or is otherwise annoying. The State Noise Control Act defines noise as "...excessive undesirable sound...".

Outdoor Living Area: Outdoor spaces that are associated with residential land uses typically used for passive recreational activities or other noise-sensitive uses. Such spaces include patio areas, barbecue areas, jacuzzi areas, etc. associated with residential uses; outdoor patient recovery or resting areas associated with hospitals, convalescent hospitals, or rest homes; outdoor areas associated with places of worship which have a significant role in services or other noise-sensitive activities; and outdoor school facilities routinely used for educational purposes which may be adversely impacted by noise. Outdoor areas usually not included in this definition are: front yard areas, driveways, greenbelts, maintenance areas and storage areas associated with residential land uses; exterior areas at hospitals that are not used for patient activities; outdoor areas associated with places of worship and principally used for short-term social gatherings; and, outdoor areas associated with school facilities that are not typically associated with educational uses prone to adverse noise impacts (for example, school play yard areas).

Percent Noise Levels: See L(n).

Sound Level (Noise Level): The weighted sound pressure level obtained by the use of a sound level meter having a standard frequency filter for attenuating part of the sound spectrum.

Sound Level Meter: An instrument, including a microphone, an amplifier, an output meter, and frequency weighting networks for the measurement and determination of noise and sound levels.

Single Event Noise Exposure Level (SENEL): The dB(A) level which, if it lasted for one second, would produce the same A-weighted sound energy as the actual event.

2.7 Sound Propagation

As sound propagates from a source it spreads geometrically. Sound from a small, localized source (i.e., a point source) radiates uniformly outward as it travels away from the source in a spherical pattern. The sound level attenuates at a rate of 6 dB per doubling of distance. The movement of vehicles down a roadway makes the source of the sound appear to propagate from a line (i.e., line source) rather than a point source. This line source results in the noise propagating from a roadway in a cylindrical spreading versus a spherical spreading that results from a point source. The sound level attenuates for a line source at a rate of 3 dB per doubling of distance.

As noise propagates from the source, it is affected by the ground and atmosphere. Noise models use hard site (reflective surfaces) and soft site (absorptive surfaces) to help calculate predicted noise levels. Hard site conditions assume no excessive ground absorption between the noise source and the receiver. Soft site conditions such as grass, soft dirt, or landscaping attenuate noise at a rate of 1.5 dB per doubling of distance. When added to the geometric spreading, the excess ground attenuation results in an overall noise attenuation of 4.5 dB per doubling of distance for a line source and 7.5 dB per doubling of distance for a point source.

Research has demonstrated that atmospheric conditions can have a significant effect on noise levels when noise receivers are located 200 feet from a noise source. Wind, temperature, air humidity, and turbulence can further impact how far sound can travel

3.0 Ground-Borne Vibration Fundamentals

3.1 Vibration Descriptors

Ground-borne vibrations consist of rapidly fluctuating motions within the ground that have an average motion of zero. The effects of ground-borne vibrations typically only cause a nuisance to people, but at extreme vibration levels, damage to buildings may occur. Although ground-borne vibration can be felt outdoors, it is typically only an annoyance to people indoors where the associated effects of the shaking of a building can be notable. Ground-borne noise is an effect of ground-borne vibration and only exists indoors since it is produced from noise radiated from the motion of the walls and floors of a room and may also consist of the rattling of windows or dishes on shelves.

Several different methods are used to quantify vibration amplitude.

PPV – Known as the peak particle velocity (PPV) which is the maximum instantaneous peak in vibration velocity, typically given in inches per second.

RMS – Known as root mean squared (RMS) can be used to denote vibration amplitude

VdB – A commonly used abbreviation to describe the vibration level (VdB) for a vibration source.

3.2 Vibration Perception

Typically, developed areas are continuously affected by vibration velocities of 50 VdB or lower. These continuous vibrations are not noticeable to humans whose threshold of perception is around 65 VdB. Outdoor sources that may produce perceptible vibrations are usually caused by construction equipment, steel-wheeled trains, and traffic on rough roads, while smooth roads rarely produce perceptible ground-borne noise or vibration. To counter the effects of ground-borne vibration, the Federal Transit Administration (FTA) has published guidance relative to vibration impacts. According to the FTA, fragile buildings can be exposed to ground-borne vibration levels of 0.3 inches per second without experiencing structural damage.

3.3 Vibration Propagation

There are three main types of vibration propagation: surface, compression, and shear waves. Surface waves, or Rayleigh waves, travel along the ground's surface. These waves carry most of their energy along an expanding circular wavefront, similar to ripples produced by throwing a rock into a pool of water. P-waves, or compression waves, are body waves that carry their energy along an expanding spherical wavefront. The particle motion in these waves is longitudinal (i.e., in a "push-pull" fashion). P-waves are analogous to airborne sound waves. S-waves, or shear waves, are also body waves that carry energy along an expanding spherical wavefront. However, unlike P-waves, the particle motion is transverse, or side-to-side and perpendicular to the direction of propagation.

As vibration waves propagate from a source, the vibration energy decreases in a logarithmic nature and the vibration levels typically decrease by 6 VdB per doubling of the distance from the vibration source. As stated above, this drop-off rate can vary greatly depending on the soil but has been shown to be effective enough for screening purposes, in order to identify potential vibration impacts that may need to be studied through actual field tests.

4.0 Regulatory Setting

The proposed project is located in the unincorporated place of El Dorado Hills in the County of El Dorado, California, and noise regulations are addressed through the efforts of various federal, state, and local government agencies. The agencies responsible for regulating noise are discussed below.

4.1 Federal Regulations

The adverse impact of noise was officially recognized by the federal government in the Noise Control Act of 1972, which serves three purposes:

- Publicize noise emission standards for interstate commerce
- Assist state and local abatement efforts
- Promote noise education and research

The Federal Office of Noise Abatement and Control (ONAC) originally was tasked with implementing the Noise Control Act. However, it was eventually eliminated leaving other federal agencies and committees to develop noise policies and programs. Some examples of these agencies are as follows: The Department of Transportation (DOT) assumed a significant role in noise control through its various agencies. The Federal Aviation Agency (FAA) is responsible for regulating noise from aircraft and airports. The Federal Highway Administration (FHWA) is responsible for regulating noise from the interstate highway system. The Occupational Safety and Health Administration (OSHA) is responsible for the prohibition of excessive noise exposure to workers. The Housing and Urban Development (HUD) is responsible for establishing noise regulations as it relates to exterior/interior noise levels for new HUD-assisted housing developments near high noise areas.

The federal government advocates those local jurisdictions use their land use regulatory authority to arrange new developments in such a way that "noise sensitive" uses are either prohibited from being constructed adjacent to a highway or that the developments are planned and constructed in such a manner that potential noise impacts are minimized.

Since the federal government has preempted the setting of standards for noise levels that can be emitted by the transportation source, the city is restricted to regulating the noise generated by the transportation system through nuisance abatement ordinances and land use planning.

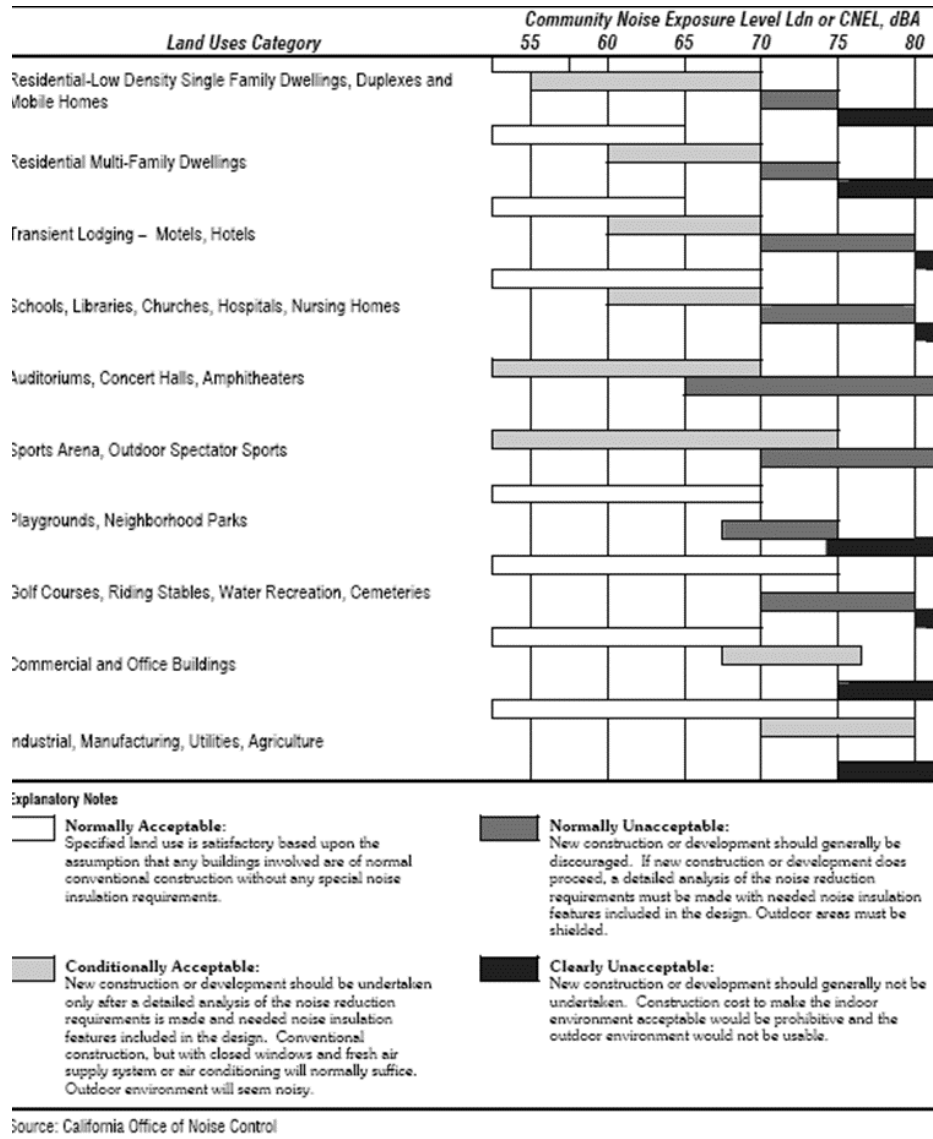
4.2 State Regulations

Established in 1973, the California Department of Health Services Office of Noise Control (ONC) was instrumental in developing regularity tools to control and abate noise for use by local agencies. One significant model is the "Land Use Compatibility for Community Noise Environments Matrix." The matrix allows the local jurisdiction to clearly delineate the compatibility of sensitive uses with various incremental levels of noise.

The State of California has established noise insulation standards as outlined in Title 24 and the Uniform Building Code (UBC) which in some cases requires acoustical analyses to outline exterior noise levels and to ensure interior noise levels do not exceed the interior threshold. The State mandates that the legislative body of each County and city adopt a noise element as part of its comprehensive general

plan. The local noise element must recognize the land use compatibility guidelines published by the State Department of Health Services. The guidelines rank noise land use compatibility in terms of normally acceptable, conditionally acceptable, normally unacceptable, and clearly unacceptable as illustrated in Exhibit D.

Exhibit D: Land Use Compatibility Guidelines



4.3 El Dorado County Noise Regulations

The County of El Dorado outlines their noise regulations and standards within the Municipal Code and the Noise Element of the County General Plan Chapter 6.

County of El Dorado General Plan

The Noise Element outlined in Chapter 6 Public Health, Safety and Noise Element outlines the County's acceptable noise levels and defines the objective 6.5.1 to protect existing noise-sensitive developments from new uses that would generate noise levels incompatible with those uses and, conversely, discourage noise-sensitive uses from locating near to sources of high noise levels.

The Noise Element defines exterior limits for two sources; the transportation noise sources (Table 6-1) and non-transportation sources (Table 6-2). Those tables are in agreement with the County Municipal Code for noise performance. The proposed project is subjected to the noise limits outlines in Table 6-2 from the General Plan.

TABLE 6-2 NOISE LEVEL PERFORMANCE PROTECTION STANDARDS FOR NOISE SENSITIVE LAND USES AFFECTED BY NON-TRANSPORTATION* SOURCES						
Noise Level Descriptor	Daytime 7 a.m. - 7 p.m.		Evening 7 p.m. - 10 p.m.		Night 10 p.m. - 7 a.m.	
	Community	Rural	Community	Rural	Community	Rural
Hourly L _{eq} , dB	55	50	50	45	45	40
Maximum level, dB	70	60	60	55	55	50
<p>Notes: Each of the noise levels specified above shall be lowered by five dB for simple tone noises, noises consisting primarily of speech or music, or for recurring impulsive noises. These noise level standards do not apply to residential units established in conjunction with industrial or commercial uses (e.g., caretaker dwellings). The County can impose noise level standards which are up to 5 dB less than those specified above based upon determination of existing low ambient noise levels in the vicinity of the project site. In Community areas the exterior noise level standard shall be applied to the property line of the receiving property. In Rural Areas the exterior noise level standard shall be applied at a point 100' away from the residence. The above standards shall be measured only on property containing a noise sensitive land use as defined in Objective 6.5.1. This measurement standard may be amended to provide for measurement at the boundary of a recorded noise easement between all effected property owners and approved by the County.</p> <p>*Note: For the purposes of the Noise Element, transportation noise sources are defined as traffic on public roadways, railroad line operations and aircraft in flight. Control of noise from these sources is preempted by Federal and State regulations. Control of noise from facilities of regulated public facilities is preempted by California Public Utilities Commission (CPUC) regulations. All other noise sources are subject to local regulations. Non-transportation noise sources may include industrial operations, outdoor recreation facilities, HVAC units, schools, hospitals, commercial land uses, other outdoor land use, etc.</p>						

In addition to the noise standards, the County has outlined goal, objective, and policies to reduce potential noise impacts and are presented below:

Goal, Objective, and Policies

Goal: Ensure that County residents are not subjected to noise beyond the acceptable levels.

Objective 6.5.1: Protection of noise-sensitive development

Protect existing noise-sensitive developments(e.g., hospitals, schools, churches and residential) from new uses that would generate noise levels incompatible with those uses and, conversely, discourage noise-sensitive uses from locating near sources of high noise levels.

Applicable policies for this project are listed below:

Policy 6.5.1.2: Where proposed non-residential land uses are likely to produce noise levels exceeding the performance standards of Table 6-2 at existing or planned noise-sensitive uses, an acoustical analysis shall be required as part of the environmental review process so that noise mitigation may be included in the project design.

Policy 6.5.1.3: Where noise mitigation measures are required to achieve the standards of Tables 6-1 and 6-2, the emphasis of such measures shall be placed upon site planning and project design. The use of noise barriers shall be considered a means of achieving the noise standards only after all other practical design-related noise mitigation measures have been integrated into the project and the noise barriers are not incompatible with the surroundings.

Policy 6.5.1.7: Noise created by new proposed non-transportation noise sources shall be mitigated so as not to exceed the noise level standards of Table 6-2 for noise-sensitive uses.

Policy 6.5.1.11: The standards outlined in Tables 6-3, 6-4, and 6-5 shall not apply to those activities associated with actual construction of a project as long as such construction occurs between the hours of 7 a.m. and 7 p.m., Monday through Friday, and 8 a.m. and 5 p.m. on weekends, and on federally recognized holidays. Further, the standards outlined in Tables 6-3, 6-4, and 6-5 shall not apply to public projects to alleviate traffic congestion and safety hazards.

Policy 6.5.1.13: When determining the significance of impacts and appropriate mitigation to reduce those impacts for new development projects, including ministerial development, the following criteria shall be taken into consideration:

- A. In areas in which ambient noise levels are in accordance with the standards in Table 6-2, increases in ambient noise levels caused by new nontransportation noise sources that exceed 5 dBA shall be considered significant; and
- B. In areas in which ambient noise levels are not in accordance with the standards in Table 6-2, increases in ambient noise levels caused by new nontransportation noise sources that exceed 3 dBA shall be considered significant.

El Dorado County – Noise Ordinance

Title 9, "Public Peace, Morals and Welfare," Chapter 9.16 "Noise" establishes the noise regulations for noise from or onto highways.

Chapter 130.37 contains noise standards that comply with General Plan Goal 6.5 and supplements County Code Chapter 9.16 by establishing acceptable noise levels for both noise-sensitive land uses and noise-generating land uses. Section 130.37.060 "Noise standards" outlines the County's exterior noise limits as it relates to non-transportation noise sources. The code uses Table 130.37.060.1 for noise limits illustration. Table 6-2 from the County's General Plan is equivalent to the table presented in the code.

Sec. 130.37.060 – Noise Standards

The following standards shall apply to all development projects for which an acoustic analysis is required:

- A. Noise sensitive land uses affected by non-transportation noise sources shall not exceed standards set forth in Table 130.37.060.1 (Noise Level Performance Standards for Noise Sensitive Land Uses Affected by Non-Transportation Sources) below in this Section:

NOISE LEVEL PERFORMANCE STANDARDS FOR NOISE SENSITIVE LAND USES AFFECTED BY NON-TRANSPORTATION SOURCES						
Noise Level Descriptor	Daytime 7 a.m.—7 p.m.		Evening 7 p.m.—10 p.m.		Night 10 p.m.—7 a.m.	
Community/ Rural Centers	Rural Regions	Community/ Rural Centers	Rural Regions	Community/ Rural Centers	Rural Regions	
Hourly Leq, dBA	55	50	50	45	45	40
Maximum level, dBA	70	60	60	55	55	50

Section 130.37.020 – Exemptions

- I. Construction (e.g., construction, alteration or repair activities) during daylight hours provided that all construction equipment shall be fitted with factory installed muffling devices and maintained in good working order.

Section 130.37.080 – Noise Level Measurements

B. Ambient Sound Levels. Compliance with the above standards shall be determined by measuring the existing noise level with a sound level meter using slow response, with the sound source at issue remaining silent. The ambient sound level shall be determined based on the mean average of not less than three 20 minute measurements for any given time period. Additional noise measurements may be necessary to ensure that the ambient sound level is adequately determined.

5.0 Study Method and Procedure

The following section describes the noise modeling procedures and assumptions used for this assessment.

5.1 Noise Measurement Procedure and Criteria

Noise measurements are taken to determine the existing noise levels. A noise receiver or receptor is any location in the noise analysis in which noise might produce an impact. The following criteria are used to select measurement locations and receptors:

- Locations expected to receive the highest noise impacts, such as the first row of houses
- Locations that are acoustically representative and equivalent of the area of concern
- Human land usage
- Sites clear of major obstruction and contamination

MD conducted the sound level measurements in accordance with Federal Highway Transportation (FHWA) and Caltrans (TeNS) technical noise specifications. All measurement equipment meets American National Standards Institute (ANSI) specifications for sound level meters (S1.4-1983 identified in Chapter 19.68.020.AA). The following gives a brief description of the Caltrans Technical Noise Supplement procedures for sound level measurements:

- Microphones for sound level meters were placed 5-feet above the ground for all measurements
- Sound level meters were calibrated (Larson Davis CAL 200) before and after each measurement
- Following the calibration of equipment, a windscreen was placed over the microphone
- Frequency weighting was set on "A" and slow response
- Results of the long-term noise measurements were recorded on field data sheets
- During any short-term noise measurements, any noise contaminations such as barking dogs, local traffic, lawnmowers, or aircraft fly-overs were noted
- Temperature and sky conditions were observed and documented

5.2 Noise Measurement Location

The noise monitoring location was selected based on the nearest sensitive receptors relative to the proposed onsite noise sources and also considering the requirements established by Section 130.37.080(B). Three (3) short-term 20-min noise measurements were conducted at two locations at or near the project site and are illustrated in Exhibit E. Appendix A includes photos, the field sheet, and measured noise data.

5.3 Stationary Noise Modeling

SoundPLAN (SP) acoustical modeling software was utilized to model future worst-case stationary noise impacts to the adjacent land uses. SP is capable of evaluating multiple stationary noise source impacts at various receiver locations. SP's software utilizes algorithms (based on the inverse square law and reference equipment noise level data) to calculate noise level projections. The software allows the user to input specific noise sources, spectral content, sound barriers, building placement, topography, and sensitive receptor locations.

The future worst-case noise level projections were modeled using referenced sound level data for the various stationary on-site sources (vacuums, vacuum turbine motors, and car wash blowers at the exit). The model assumes that the car wash tunnel is approximately 108 feet long with an approximate 10 foot tall by 12-foot wide exit opening.

The blowers (a 12 Sonny with inlet silencer package Blower System) were modeled at 10 to 12 feet high as a point source. It is anticipated that blowers will be located approximately 5 to 10 feet inside the exit of the tunnel. Also, the tunnel is assumed to be lined with acoustic absorptive material (See Appendix B) 25 feet from each exit and entrance opening. The reference equipment sound level data is provided in Appendix B.

The SP model (see Situation 1, Appendix C) assumes a total of 12 vacuums and the dryer system are operating simultaneously (worst-case scenario) when in actuality, the noise will be intermittent and lower in noise level. The project proposes to house the vacuum turbine motor (25 HP or 30 HP turbine) inside a 4-sided 8-foot tall CMU enclosure. The reference vacuum equipment sound level data is provided in Appendix B. All other noise-producing equipment (e.g., compressors, pumps) will be housed within mechanical equipment rooms.

Modeling assumes that project operations occur during daytime hours of 7AM to 10PM which is within the County's daytime and evening allowable stationary noise hours.

5.4 FHWA Roadway Construction Noise Model

The construction noise analysis utilizes the Federal Highway Administration (FHWA) Roadway Construction Noise Model (RNCM), together with several key construction parameters. Key inputs include distance to the sensitive receiver, equipment usage, % usage factor, and baseline parameters for the project site.

The project was analyzed based on the different construction phases. Construction noise is expected to be loudest during the grading, concrete, and building phases of construction. The construction noise calculation output worksheet is located in Appendix D. The following assumptions relevant to short-term construction noise impacts were used:

- It is estimated that construction will occur over 7 months. Construction noise is expected to be the loudest during the grading, concrete, and building phases.

Exhibit E Measurement Locations

= Short-Term
Monitoring Location



6.0 Existing Noise Environment

Three (3) short-term measurements at two locations were performed at or near the project site vicinity, having a total of 6 measurements. Noise measurements were taken to determine the existing ambient noise levels. Noise data indicates that traffic and construction machinery are the primary sources of noise impacting the site and the surrounding area. The ambient data shows the existing noise levels are exceeding the daytime County's noise limit for community region uses (55 dBA) at the east location. On the other hand, the south measuring location is below the daytime County's noise limit for community regions.

6.1 Short-Term Noise Measurement Results

The results of the short-term noise data are presented in Table 1.

Table 1: Short-Term Noise Measurement Data¹

Location - #Rec	20-min dB(A)					
	Start	Stop	L _{eq}	L _{MAX}	L _{MIN}	L _{eq} AVG
ST1 - #1	9:00 AM	9:20 AM	53.6	67.7	42.8	54.0
ST1 - #2	9:20 AM	9:40 AM	56.4	73.0	38.8	
ST1 - #3	9:40 AM	10:00 AM	51.9	72.8	40.8	
ST2 - #1	8:50 AM	9:10 AM	55.5	75.5	43.1	58.1
ST2 - #2	9:10 AM	9:30 AM	57.3	75.9	40.6	
ST2 - #3	9:30 AM	9:50 AM	61.5	82.7	39.5	
Notes:						
¹ Short-term noise monitoring locations (ST1 & ST2) are illustrated in Exhibit E.						

Noise data indicates the ambient noise level ranges between 38.8 dBA Lmin to 82.7 dBA Lmax over the monitoring period. The averaged Leq is 54.0 dBA for location ST1 and 58.1 dBA for ST2. Additional field notes and photographs are provided in Appendix A.

For this evaluation, MD has utilized the equivalent noise level (measured during estimated hours of operation) averaged from three 20-min readings, as established per Section 130.37.080 (B), and has compared the project's projected noise levels to the representative ambient level.

7.0 Future Noise Environment Impacts

This assessment analyzes future noise impacts as a result of the project. The analysis details the estimated exterior/interior noise levels. Stationary noise impacts are analyzed from the on-site noise sources such as dryers/blowers (associated with car wash equipment).

7.1 Future Exterior Noise

The following outlines the exterior noise levels associated with the proposed project.

7.1.1 Noise Impacts to Off-Site Receptors Due to Stationary Sources

Sensitive receptors that may be affected by project operational noise include existing commercial to the north and west, and residential to the east and south. The worst-case stationary noise was modeled using SoundPLAN acoustical modeling software. Worst-case assumes the blowers are always operational when in reality, the noise will be intermittent and cycle on/off depending on customer usage. Project car wash operations are assumed to occur within 7AM to 10PM, which falls within the daytime and evening per the County's noise ordinance (Section 130.37.060).

A total of three (3) receptors were modeled to evaluate the proposed project's operational impact. A receptor is denoted by a yellow dot. All yellow dots represent either a calibration point, property line, or a sensitive receptor such as an outdoor sensitive area (courtyard, patio, backyard, etc).

This study compares the project's operational noise levels to two (2) different noise assessment scenarios: 1) Project Only operational noise level projections, 2) Project plus ambient noise level projections.

Project Operational Noise Levels

Exhibit F shows the "project only" operational noise levels at the property lines and/or sensitive receptor area. Operational noise levels at the adjacent uses are anticipated to range between 32 dBA to 46 dBA Leq (depending on the location).

The "project only" noise projections to the property lines are below the daytime County's limit of 55 dBA for community regions and below the 50 dBA evening time limit for community regions, as outlined within the County's noise ordinance (see Section 4.3 of this report).

Project Plus Ambient Operational Noise Levels

Table 2 demonstrates the project plus the ambient (measured average level) noise levels. Project plus ambient noise level projections are anticipated to range between 54 to 58 dBA Leq at nearby receptors (R1 – R3). The "project plus ambient" noise projections to the adjacent uses are exceeding the County's daytime limit at receivers 1 and 3. The project only contribution to the total noise at said receivers does not increase the ambient noise.

Table 2: Worst-case Predicted Operational Noise Level¹

Receptor ¹	Floor	Existing Ambient Noise Level (dBA, Leq) ²	Project Noise Level (dBA, Leq) ³	Total Combined Noise Level (dBA, Leq)	Daytime (7AM - 10PM) Non-transp. Noise Limit Exterior (dBA, Leq) ⁴	Exceeds Exterior Standard	Change in Noise Level as Result of Project
1	1	58	32	58	55	Yes	0
2	1	54	40	54	55	No	0
3	1	58	46	58	55	Yes	0

Notes:
¹ Receptor 1 represents commercial uses, 2 & 3 represents residential.
² See Table 1 representative ambient noise condition. Also, Appendix A shows the noise monitoring field sheet and pictures.
³ See Exhibit F for the operational noise level projections at said receptors.
⁴ Per Section 130.37.060 from the County's Municipal Code.
⁵ The county's noise ordinance does not establish criteria for ambient noise level exceeding the limit. For this evaluation, MD uses the conservative standard for ambient noise exceeding the noise limit (project noise not increasing ambient noise level).

As shown in Table 2, the project does not increase the ambient noise level. The project was compared to the existing measured baseline condition (58 & 54 dBA, Leq) to the operational plus ambient noise condition to show the change in noise level. Table 2 provides the anticipated change in noise level as a result of the proposed project. The existing noise levels are anticipated to increase between 0.0 to 0.3 dBA, Leq at the receptor locations analyzed.

Table 3 provides the characteristics associated with changes in noise levels.

Table 3: Change in Noise Level Characteristics¹

Changes in Intensity Level, dBA	Changes in Apparent Loudness
1	Not perceptible
3	Just perceptible
5	Clearly noticeable
10	Twice (or half) as loud

1. https://www.fhwa.dot.gov/Environment/noise/regulations_and_guidance/polguide/polguide02.cfm

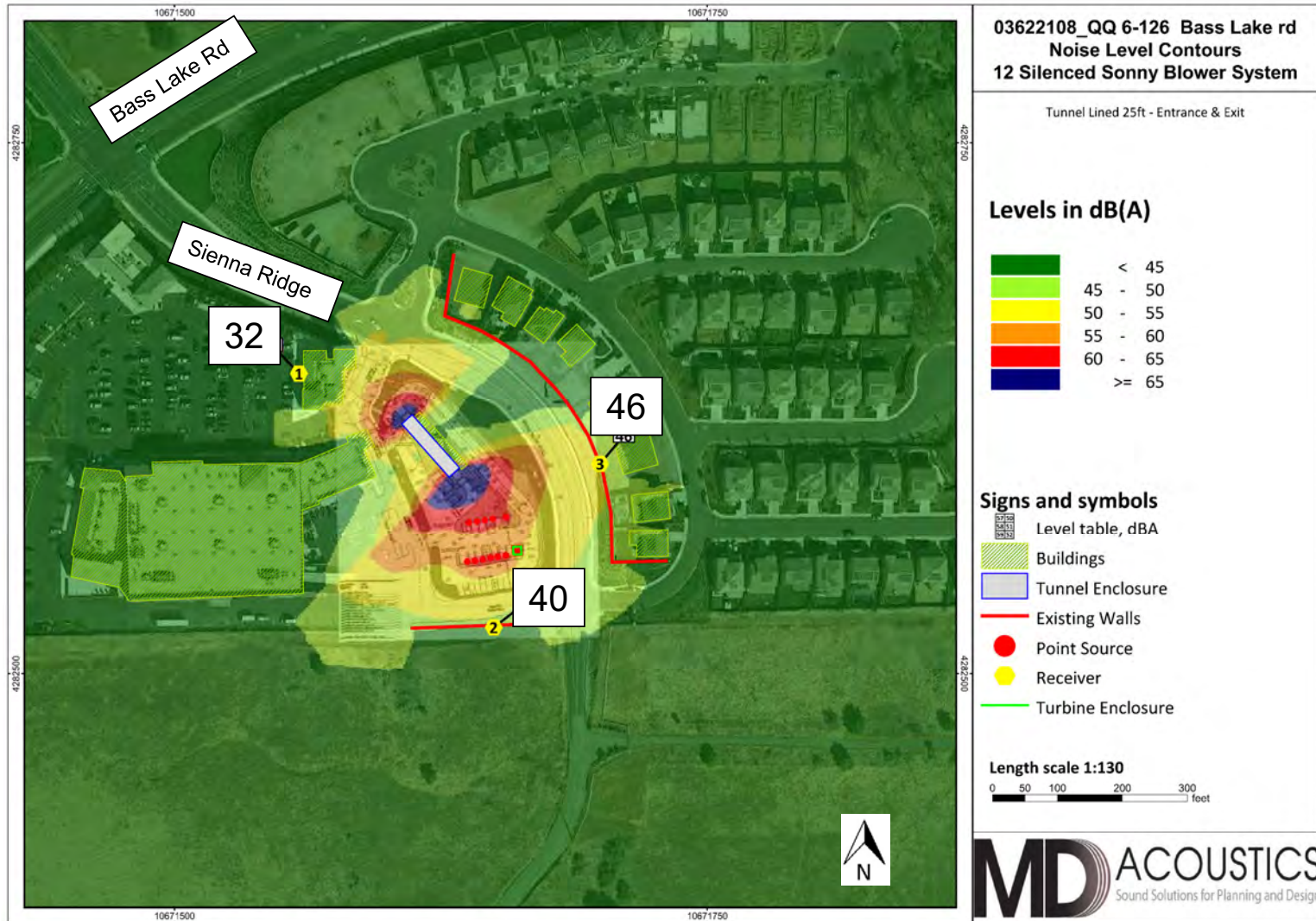
When comparing the change in noise level to acoustic characteristics outlined within Table 3, the noise level increase would be "Not Perceptible" at the receptors.

7.2 Project Design Features

The following project design features are provided to ensure compliance with the noise ordinance:

1. The project will incorporate 12 Sonny with inlet silencer package or Peco blowers systems to meet these acoustical benchmarks.
2. The tunnel exit and entrance should be lined at least 25' from each opening with acoustically absorptive material. See Appendix B
3. The project proposes to house the vacuum turbine motors inside a CMU enclosure.

Exhibit F Operational Noise Levels Contours



8.0 Construction Noise Impact

The degree of construction noise may vary for different project site areas and vary depending on the construction activities. Noise levels associated with the construction will vary with the different phases of construction.

8.1 Construction Noise

The Environmental Protection Agency (EPA) has compiled data regarding the noise-generated characteristics of typical construction activities. The data is presented in Table 4.

Table 4: Typical Construction Equipment Noise Levels¹

Type	Lmax (dBA) at 50 Feet
Backhoe	80
Truck	88
Concrete Mixer	85
Pneumatic Tool	85
Pump	76
Saw, Electric	76
Air Compressor	81
Generator	81
Paver	89
Roller	74
Notes:	
¹ Referenced Noise Levels from the FTA noise and vibration manual.	

Construction noise is considered a short-term impact and would be considered significant if construction activities are taken outside the allowable times as described in the County's Noise Ordinance Section 130.37.020 (I). Construction is anticipated to occur during the permissible hours according to the County's Municipal Code. Construction noise will have a temporary or periodic increase in the ambient noise level above the existing within the project vicinity. Furthermore, noise reduction measures are provided to further reduce construction noise. The impact is considered less than significant. However, construction noise level projections are provided in Appendix D.

Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Noise levels will be the loudest during the grading phase. A likely worst-case construction noise scenario during grading assumes the use of a grader, a dozer, an excavator, and a backhoe operating at 200 feet from the nearest noise-sensitive residential receptor across Sienna Ridge Rd. at the north-east property line.

Assuming a usage factor of 40 percent for each piece of equipment, unmitigated noise levels at 200 feet have the potential to reach 72 dBA L_{eq} at the nearest sensitive receptors (residential uses to the north-east) during grading which is exempt by noise ordinance limits per the County's ordinance code Section 130.37.020 (I). Appendix D shows the calculation worksheets for construction noise and vibration analysis.

8.2 Construction Vibration

Construction activities can produce vibration that may be felt by adjacent land uses. The construction of the proposed project would not require the use of equipment such as pile drivers, which are known to generate substantial construction vibration levels. The primary vibration source during construction may be from a bulldozer. A large bulldozer has a vibration impact of 0.089 inches per second peak particle velocity (PPV) at 25 feet which is perceptible but below any risk to architectural damage.

The fundamental equation used to calculate vibration propagation through average soil conditions and distance is as follows:

$$PPV_{\text{equipment}} = PPV_{\text{ref}} (100/D_{\text{rec}})^n$$

Where: PPV_{ref} = reference PPV at 100ft.

D_{rec} = distance from equipment to receiver in ft.

$n = 1.1$ (the value related to the attenuation rate through the ground)

The thresholds from the Caltrans Transportation and Construction Induced Vibration Guidance Manual in Table 5 (below) provides general thresholds and guidelines as to the vibration damage potential from vibratory impacts.

Table 5: Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources	Continuous/Frequent Intermittent Sources
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.2	0.1
Historic and some old buildings	0.5	0.25
Older residential structures	0.5	0.3
New residential structures	1.0	0.5
Modern industrial/commercial buildings	2.0	0.5

Source: Table 19, Transportation and Construction Vibration Guidance Manual, Caltrans, Sept. 2013.
 Note: Transient sources create a single isolated vibration event, such as blasting or drop balls. Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

Table 6 gives approximate vibration levels for particular construction activities. This data provides a reasonable estimate for a wide range of soil conditions.

Table 6: Vibration Source Levels for Construction Equipment¹

Equipment	Peak Particle Velocity (inches/second) at 25 feet	Approximate Vibration Level LV (dVB) at 25 feet
Pile driver (impact)	1.518 (upper range)	112
	0.644 (typical)	104
Pile driver (sonic)	0.734 upper range	105
	0.170 typical	93
Clam shovel drop (slurry wall)	0.202	94
Hydromill	0.008 in soil	66
(slurry wall)	0.017 in rock	75
Vibratory Roller	0.21	94
Hoe Ram	0.089	87
Large bulldozer	0.089	87
Caisson drill	0.089	87
Loaded trucks	0.076	86
Jackhammer	0.035	79
Small bulldozer	0.003	58

¹ Source: Transit Noise and Vibration Impact Assessment, Federal Transit Administration, May 2006.

At a distance of 200 feet (distance to the residential structure from the center of the site property), a large bulldozer would yield a worst-case 0.009 PPV (in/sec) which may be barely perceptible for short periods of time during grading along the north-eastern property line of the project site but is below any threshold of damage. The impact is less than significant, and no mitigation is required. Appendix D shows the calculation worksheets for construction noise and vibration analysis.

8.3 Construction Noise Reduction Measures

Construction operations must follow the County's General Plan and the Noise Ordinance, which states that construction, repair, or excavation work performed must occur within the permissible hours. To further ensure that construction activities do not disrupt the adjacent land uses, the following measures should be taken:

1. Construction should occur during the permissible hours as defined in Section 130.37.060.
2. During construction, the contractor shall ensure all construction equipment is equipped with appropriate noise attenuating devices.
3. The contractor should locate equipment staging areas that will create the greatest distance between construction-related noise/vibration sources and sensitive receptors nearest the project site during all project construction.
4. Idling equipment should be turned off when not in use.
5. Equipment shall be maintained so that vehicles and their loads are secured from rattling and banging.

9.0 *References*

State of California General Plan Guidelines: 1998. Governor's Office of Planning and Research
El Dorado County: Municipal Code Chapter 130.37
El Dorado County: General Plan Chapter 6 – Public Health, Safety, and Noise Element.

Appendix A:
Photographs and Field Measurement Data

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit H: Noise Impact Study

20-Minute Continuous Noise Measurement Datasheet

Project: Quick Quack Car Wash (Store #6-126)
Site Address/Location: 3379 Bass Lake Rd., El Dorado Hills, CA 95762
Date: 9/9/2021
Field Tech/Engineer: Jason Schuyler

Site Observations: Cloudy sky 5/8, measurement was performed at the south & east lot lines. Ambient noise consisted of traffic along Sienna Ridge Rd and construction equipment at surrounding lots.

General Location:
Sound Meter: ST-1: NTi Audio SN: A2A-07095-E0
ST-2: Larson Davis 831 SN: 0003714
Settings: A-weighted, slow, 1-sec, 20-minute interval
Meteorological Con.: 70 degrees F, 3 mph wind, western direction
Site ID: ST-1 & ST-2

Site Topo: Flat

Ground Type: Hard site conditions, reflective

Noise Source(s) w/ Distance:

1 - meter is approx 120' from Sienna Ridge CL.

2 - meter is approx 60' from Sienna Ridge CL.

Figure 1: Monitoring Locations



Figure 2: ST-1 Photo



Figure 3: ST-2 Photo



20-Minute Continuous Noise Measurement Datasheet - Cont.

Project: Quick Quack Car Wash (Store #6-126)
Site Address/Location: 3379 Bass Lake Rd., El Dorado Hills, CA 95762
Site ID: ST-1 & ST-2

Figure 4: ST-1 Photo



Figure 5: ST-2 Photo

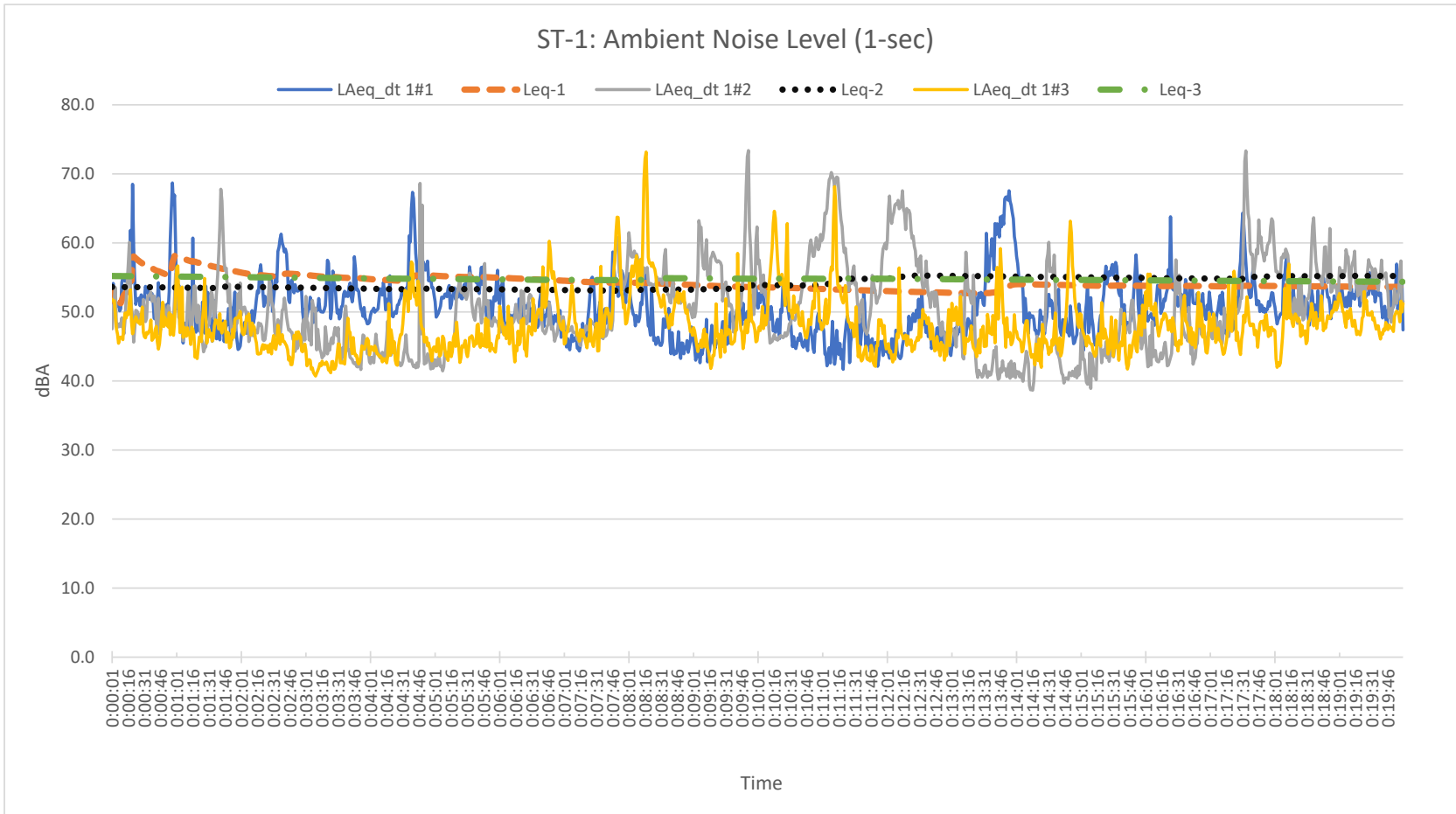


Table 1: 20-Min Baseline Noise Measurement Summary

Location-#Rec	Start	Stop	Leq	Lmax	Lmin	Leq_avg
1-#1	9:00 AM	9:19 AM	53.6	67.7	42.8	54.0
1-#2	9:20 AM	9:39 AM	56.4	73.0	38.8	
1-#3	9:40 AM	9:59 AM	51.9	72.8	40.8	
2-#1	8:50 AM	9:10 AM	55.5	75.5	43.1	58.1
2-#2	9:10 AM	9:30 AM	57.3	75.9	40.6	
2-#3	9:30 AM	9:50 AM	61.5	82.7	39.5	

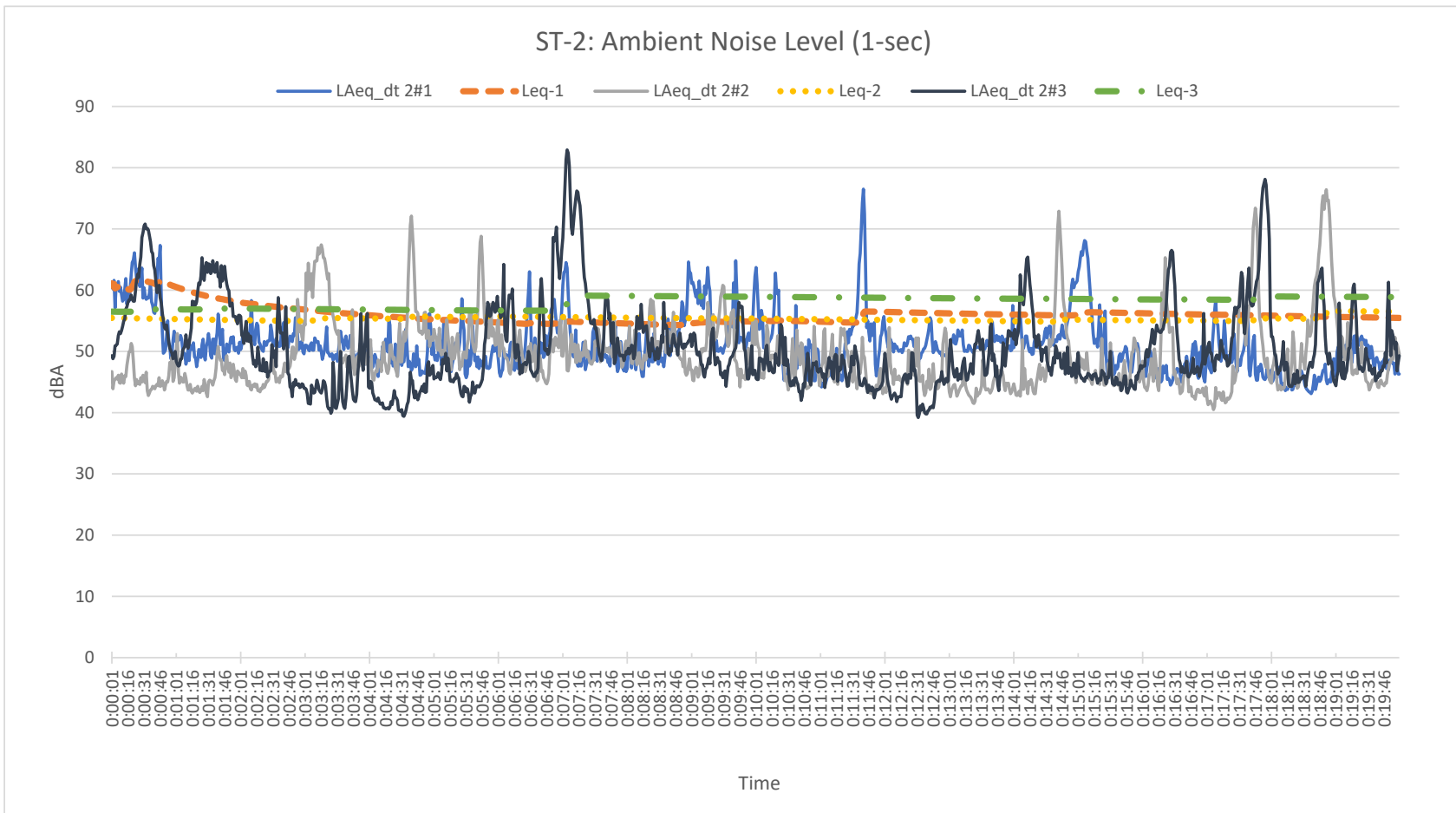
20-Minute Continuous Noise Measurement Datasheet - Cont.

Project: Quick Quack Car Wash (Store #6-126)
Site Address/Location: 3379 Bass Lake Rd., El Dorado Hills, CA 95762
Site ID: ST-1



20-Minute Continuous Noise Measurement Datasheet - Cont.

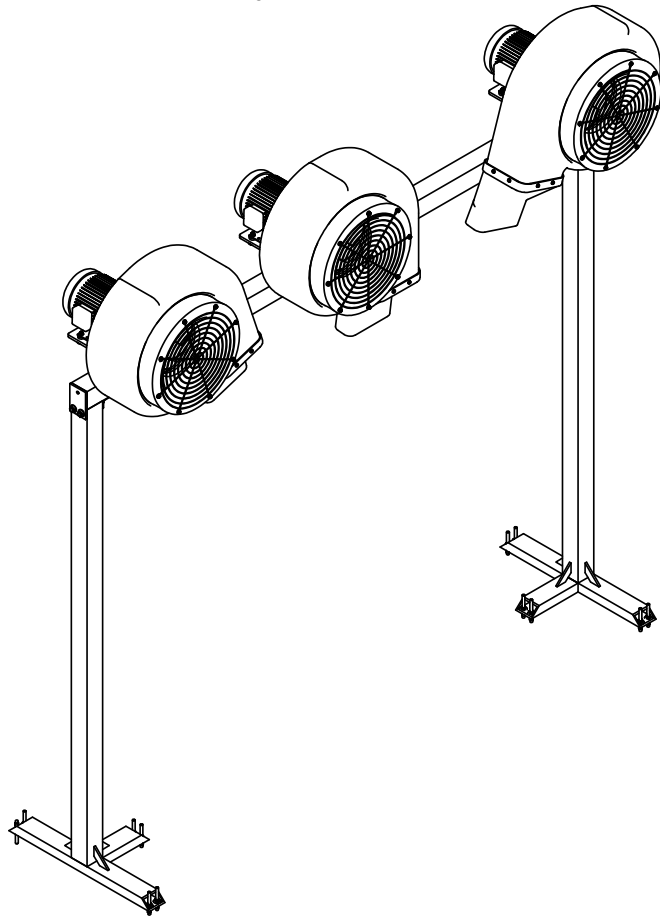
Project: Quick Quack Car Wash (Store #6-126)
Site Address/Location: 3379 Bass Lake Rd., El Dorado Hills, CA 95762
Site ID: ST-2



Appendix B:
Manufacturers Cut Sheet

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit H: Noise Impact Study

Enviromental Noise with Dryer OFF: 70 dba



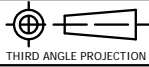
10 Feet
90-dba

20 Feet
86-dba

50 Feet
79-dba

100 Feet
75-dba

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack
Exhibit H: Noise Impact Study

 THIRD ANGLE PROJECTION BREAK ALL SHARP CORNERS PART TO BE FREE OF BURRS. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES	MACHINING TOLERANCES FRACTION ± 1/16" .XX DECIMAL ± 0.030 .XXX DECIMAL ± 0.005 ANGULARITY ± 2° FINISH 125	DRAWN LVerdecia APPROVED	8/26/2011 8/1/2012	SONNY'S ENTERPRISES THE CARWASH FACTORY	
		CATEGORY BLOWER	DESCRIPTION BLOWER ASSEMBLY, ONE ARCH 45HP	PART NUMBER BL1-45HP-1	SHEET 2 OF 2

MATERIAL

Product Features

- Gain flexibility in complying with noise ordinances that limit the allowable noise levels in some zoned areas.
- Blower Inlet Silencer retrofits to an existing Sonny's blower to reduce noise level by up to 7 decibels at 50 feet (depending on site specific architecture and other variables).
- Available in three colors: **Blue (# 20018006)**, **Black (# 20018005)** and **Red (# 20018008)**



Note: Hardware is not included. Order a self-tapping screw kit (# **10013134**) for each silencer.

INSTALLATION

Tools

1. Safety Glasses
2. Cordless Drill
3. Drive Socket Set
4. 8’ Ladder

Consumables

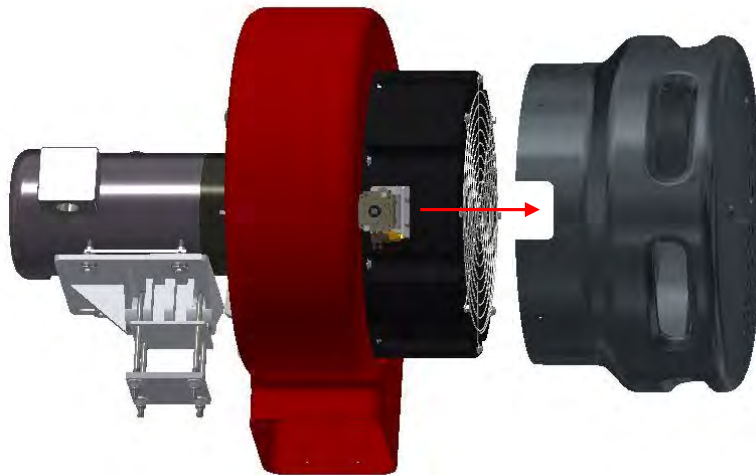
None

Work Force

Two (2) persons

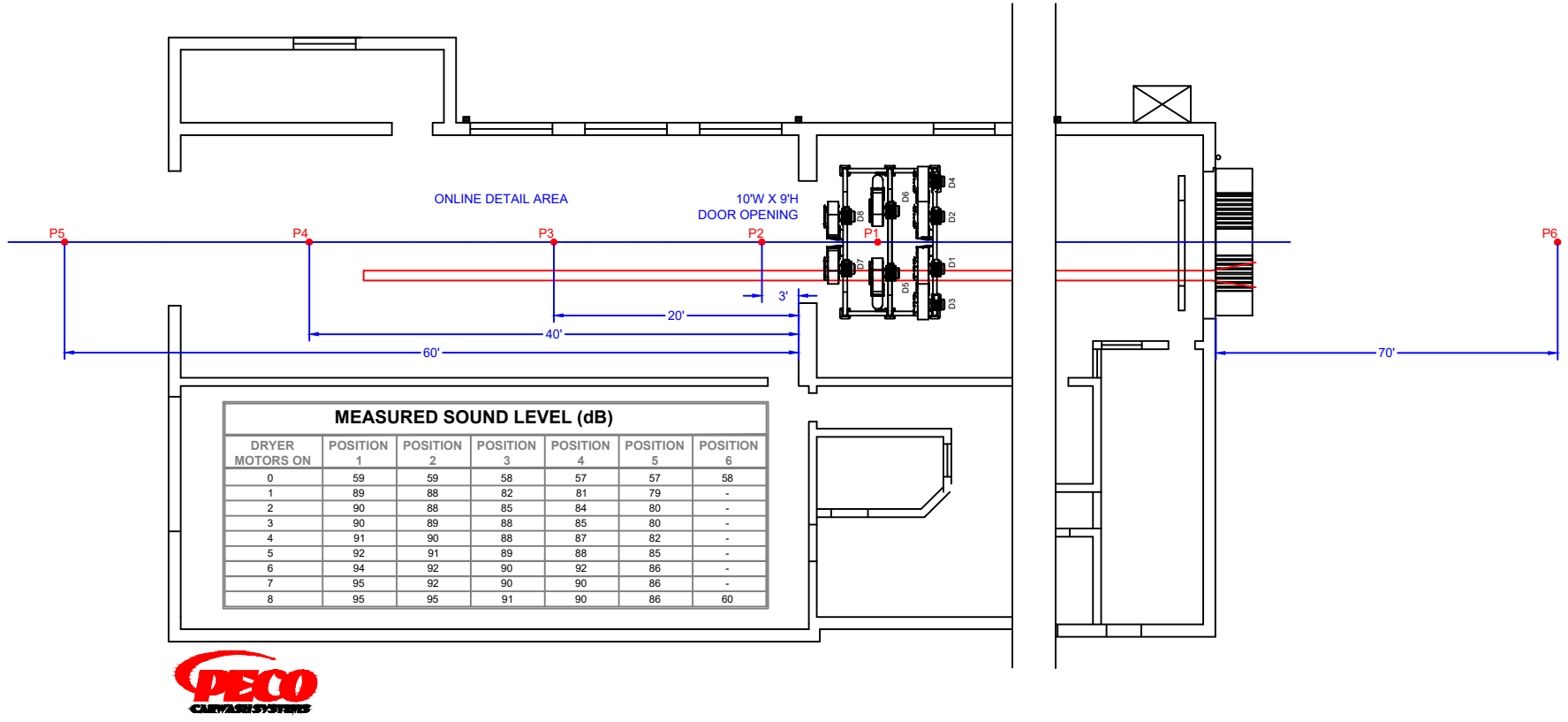
Time (assuming no problems)

15 - 30 minutes



Caution: You must shut off all power to the conveyor and lock out the Motor Control Center before starting this install.

1. Shut off all power to the conveyor, blowers and lock out the Motor Control Center.
2. Insert the silencer over the venturi. For the gator silencer option, align notches to the gator actuator bracket (as pictured above).
3. Using the existing holes on the Silencer housing, affix the silencer to the gator housing using (8) of the provided self-tapping screws (# 10013134).
4. Avoid over-torquing the self-tapping screws to prevent stripping the plastic housing.



CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit H: Noise Impact Study

Project: SuperStar Car Wash Chula Vista
Site Location: 1555 W Warner Rd, Gilbert, AZ 85233
Date: 4/5/2018
Field Tech/Engineer: Robert Pearson
Source/System: Vacutec System

Site Observations:
Clear sky, measurements were performed within 1.5ft of source. Measurements were performed while the vacuum was positioned at three (3) different positions. Holstered, unholstered and inside a car. This data is utilized for acoustic modeling purposes and represents an average sound level at a vacuum station.

Location: Vac Bay 1
Sound Meter: NTI XL2 **SN:** A2A-05967-E0
Settings: Z-weighted, slow, 1-sec, 10-sec duration
Meteorological Cond.: 80 degrees F, 2 mph wind

Table 1: Summary Measurement Data

Source	System	Overall dB(A)	3rd Octave Band Data (dBA)																														
			20	25	31.5	40	50	63	80	100	125	160	200	250	315	400	500	630	800	1K	1.25K	1.6K	2K	2.5K	3.15K	4K	5K	6.3K	8K	10K	12.5K	16K	20K
Vacutec (Holstered)	Vacuum	63.3	9	17	22	29	31	35	40	41	44	43	46	48	47	49	51	51	51	52	53	52	52	50	52	53	50	47	47	48	45	39	30
Vacutec (Un Holstered)	Vacuum	80.7	6	19	22	28	34	37	40	43	47	46	48	48	48	49	54	55	58	58	62	65	68	70	74	75	73	69	67	65	63	60	55
Vacutec (Inside Car)	Vacuum	69.6	16	28	31	38	42	45	49	51	52	55	60	61	57	55	59	53	55	56	54	57	57	57	57	57	55	54	51	48	46	42	36
Arth. Average Level*	Vacuum	71.2	11	21	25	32	36	39	43	45	47	48	52	53	51	51	55	53	55	55	56	58	59	59	59	59	56	55	53	51	47	40	

* Refers to the arithmetic average of all measurements. This measurement represents an average of the multiple vacuum positions.

Figure 1: Example Measurement Position

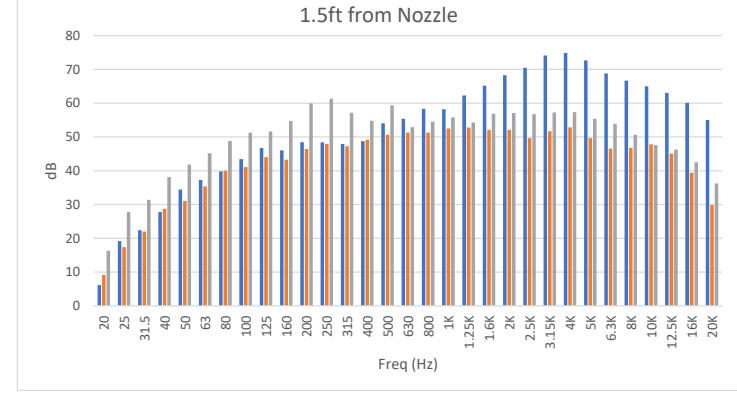
Figure 1: Holstered



Figure 2: Un Holstered



Figure 3: Inside Car





SOUND LEVEL METER READINGS

MODEL: FT-DD-T340HP4 (40hp VACSTAR TURBINE VACUUM PRODUCER)

READING ONE: 43 DB-A, 3 FEET FROM TURBINE @ 45° ANGLE
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

READING TWO: 36 DB-A, 10 FEET FROM TURBINE @ 45° ANGLE
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

READING THREE: 24 DB-A, 20 FEET FROM TURBINE @ 45° ANGLE
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

READING FOUR: 12 DB-A, 30 FEET FROM TURBINE @ 45° ANGLE
AND NO BACKGROUND NOISE OR OUTSIDE INTERFERENCE.

NOTE: THESE READINGS WERE TAKEN OUTSIDE OF 8'x10'x8' CINDER BLOCK ENCLOSURE WITH CONCRETE SLAB AND WOOD JOIST ROOF.

SOUND LEVEL METER USED:

SIMPSON MODEL #40003 – MSHA APPROVED.
MEETS OSHA & WALSH-HEALY REQUIREMENTS FOR NOISE CONTROL.
CONFORMS TO ANSI S1.4-1983, IEC 651 SPECS FOR METER TYPE.

Vacutech
1350 Hi-Tech Drive, Sheridan WY, 82801
PHONE: (800) 917-9444 FAX: (303) 675-1988
EMAIL: info@vacutechllc
WEB SITE: vacutechllc.com

Appendix I

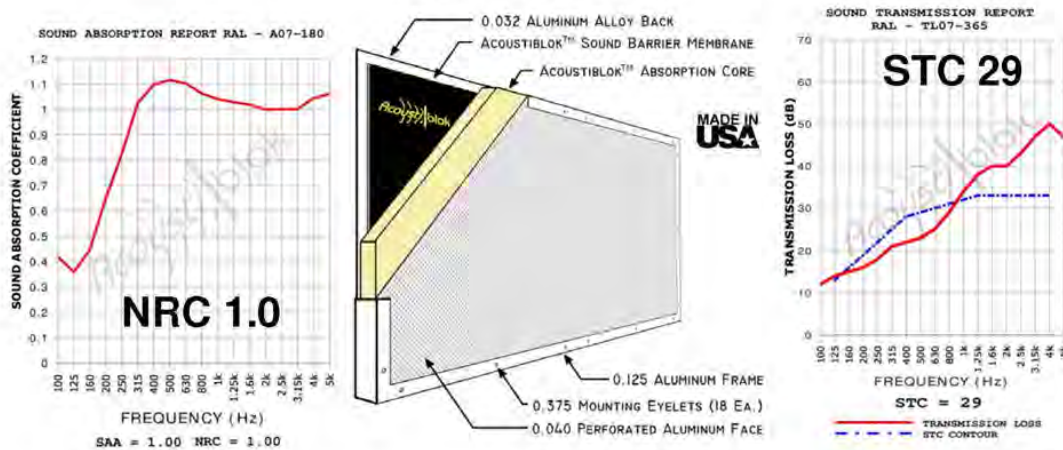


100% Recyclable



North American Office
Acoustiblok, Inc.
 6900 Interbay Boulevard
 Tampa, FL 33618 USA
 Phone: 813-980-1400
 Fax: 813-549-2653
 www.acoustiblok.com
 sales@acoustiblok.com

Industrial Model All Weather Sound Panel™ (Pat. Pend)
Technical Data



Acoustiblok All Weather Sound Panels™ achieve high STC and NRC ratings. They have been specifically designed to withstand outdoor exposure in full sunlight, extreme weather conditions, and harsh industrial environments. (NRC of 1.0 is the highest sound absorption rating possible)

All Weather Sound Panels include an internal layer of U.L. classified Acoustiblok sound isolation material plus a specifically engineered 2" thick weather proof sound absorbing material.

Specifications:		
NRC (Noise Reduction Coefficient):	1.00 *	Gross dimensions: up to 48" x 120"x 2.423", ± 0.125" custom sizes available on special order.
STC (Sound Transmission Class):	29 *	Frame construction: 0.125" welded corrosion resistant 6063-T5 aluminum, mill finish, eyelets: 0.375" (18 ea.)
Weight: (8' panel)	104 lbs	Front face: 0.040 corrosion resistant 5052-H32 aluminum alloy, 3/32" round holes staggered on 5/32" centers.
UL Std 723 fire resistance: Flame spread 0, smoke developed 0.		Back face: 0.032 corrosion resistant 5052-H32 aluminum alloy, mill finish.
UV tolerant, animal resistant, washable, does not support mold growth.		

* Independent Testing by accredited NVLAP testing facility in compliance with ASTM E90, E 413, and other applicable industry standards.

Subject to change without notice, contact Acoustiblok for details.

Product Name

QuietFiber® Hydrophobic Noise Absorption Material – QF2

For Manufacturer Info:

Contact:

Acoustiblok, Inc.
6900 Interbay Boulevard
Tampa, FL 33616
Call - (813) 980-1400
Fax - (813)849-6347
Email - sales@acoustiblok.com
www.acoustiblok.com

Product Description

Basic Use

QuietFiber hydrophobic noise absorption material is an easily installed solution to many noise problems. It is engineered specifically for maximum noise absorption and is used extensively for industrial and commercial applications and is now being successfully introduced into non-industrial environments where reverberant sound and echo is a problem.

QuietFiber® QF2

QuietFiber is rated at the highest noise reduction level – NRC 1.00. Areas of high noise levels including sound reverberation can be resolved easily and economically by introducing QuietFiber into as much of the area as possible. The amount of noise reduction in highly reflective rooms will be directly relative to how much of the QuietFiber material can be installed into the room.

Unlike other fibrous materials which do not have the same high NRC ratings, QuietFiber is hydrophobic, meaning it will not absorb nor combine with water. Marine noise reduction applications are endless.



QuietFiber® QF2

- Highest noise absorption rating of NRC 1.00
- Non Silica
- Virtually fireproof – Class A fire rating
 - 0 Smoke + 0 Flame Development
- Hydrophobic – will not combine with water
- Will not support mold or mildew growth
- Available in plain, black or white face
- Full outdoor weather and U.V. tolerant
- Significant sound benefit v. fiberglass
- Install on top of acoustical ceiling tiles
- High temperature capable
- Comprised of up to 90% recycled material
- 100% recyclable

Product Name

QuietFiber® Hydrophobic Noise Absorption Material – QF2

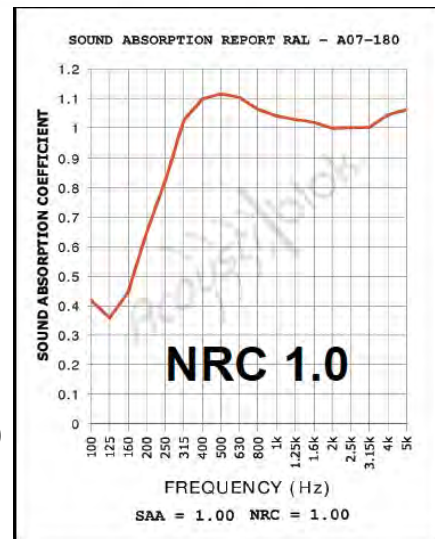
NRC 1.0 Rated	125hz	250hz	500hz	1000hz	2000hz	4000hz
	0.36	0.79	1.15	1.04	1.01	1.04

Technical Data:

- ASTM C 423 – NRC 1.00
- ASTM E 84 – Class 1, 0 Flame 0 Smoke
- ASTM C 518 – R 4.2 per inch
- ASTM C 518 – 0.24 @ 75°F (24°C)

Standards Compliance:

- ASTM C 665 Non-Corrosive Type I
- ASTM C 612 1A, 1B, II, III
- ASTM E 136 Rated Non-combustible per NFPA Standard 220
- ASTM C 1104 Absorption less than 1% by volume
- ASTM C 356 Linear shrinkage <2% @ 1200°F (650°C)



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Appendix C:
SoundPLAN Input/Outputs

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit H: Noise Impact Study

QQ 6-126 Bass Lake rd

Octave spectra of the sources in dB(A) - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

Name	Source type	I or A m,m ²	Li dB(A)	R'w dB	L'w dB(A)	Lw dB(A)	KI dB	KT dB	LwMax dB(A)	DO-Wall dB	Time histogram	Emission spectrum	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	Area	18.09	86.8	57.0	37.0	49.5	0.0	0.0		3	100%/24h	298_Facade 01		42.6	47.2	42.2	33.6	21.7	9.0		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	Area	81.86	75.4	57.0	27.7	46.8	0.0	0.0		3	100%/24h	300_Facade 02		43.6	43.2	35.9	27.3	15.2	2.3		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	Area	16.24	78.0	57.0	29.7	41.8	0.0	0.0		3	100%/24h	302_Facade 03		37.9	38.6	32.1	23.4	11.2	-1.8		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	Area	81.86	75.4	57.0	27.7	46.8	0.0	0.0		3	100%/24h	304_Facade 04_		43.6	43.2	35.9	27.3	15.2	2.3		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	Area	118.20	76.1	57.0	28.0	48.7	0.0	0.0		0	100%/24h	293_Roof 01_		45.0	45.4	38.7	30.0	17.9	5.0		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Area	11.15	86.8	0.0	86.8	97.3	0.0	0.0		3	100%/24h	299_Transmissive area 01		84.1	91.0	92.2	92.6	84.6	74.9		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Area	13.01	78.8	0.0	78.8	90.0	0.0	0.0		3	100%/24h	303_Transmissive area 01		81.0	84.2	84.2	84.6	76.4	66.4		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	Area	34.29	83.7	57.0	34.4	49.8	0.0	0.0		3	100%/24h	305_Transmissive area 04_		44.0	47.2	41.7	33.1	21.1	8.4		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Area	34.29	83.7	57.0	34.4	49.8	0.0	0.0		3	100%/24h	301_Transmissive area 05_		44.1	47.2	41.7	33.1	21.1	8.4		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Area	34.29	74.0	57.0	26.4	41.8	0.0	0.0		3	100%/24h	365_Transmissive area 05_		38.6	38.1	30.8	22.0	9.8	-3.2		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Area	34.29	74.0	57.0	26.4	41.7	0.0	0.0		3	100%/24h	364_Transmissive area 05_		38.6	38.0	30.8	22.0	9.8	-3.2		

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QQ 6-126 Bass Lake rd
Octave spectra of the sources in dB(A) - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

3

Name	Source type	I or A	Li	R'w	L'w	Lw	KI	KT	LwMax	DO-Wall	Time histogram	Emission spectrum	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m,m²	dB(A)	dB	dB(A)	dB(A)	dB	dB	dB(A)	dB			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Area	49.52	86.3	57.0	36.5	53.4	0.0	0.0		0	100%/24h	294_Transmissive area 06_		46.5	51.0	46.1	37.6	25.6	12.9		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Area	49.52	75.3	57.0	27.1	44.1	0.0	0.0		0	100%/24h	366_Transmissive area 06_		40.2	40.7	34.2	25.4	13.1	-0.1		
Turbine Enlosure	Point				80.2	80.2	0.0	0.0		0	100%/24h	Turbine	61.6	68.4	75.0	71.8	70.5	72.4	71.8	67.0	58.4
Vac 1	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 2	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 3	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 4	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 5	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 6	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 7	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 8	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 9	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 10	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9
Vac 11	Point				73.8	73.8	0.0	0.0		0	100%/24h	Vacutech - in car	55.2	62.0	68.6	65.4	64.0	66.0	65.4	60.6	51.9

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QQ 6-126 Bass Lake rd
Contribution level - 003 - 12 Sonny - Silenced - Lined 25ft -

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Source	Source group	Source ty	Tr. lane	LrD dB(A)	A dB	
Receiver 10671558,4282641 FI G LrD,lim dB(A) LrD 31.6 dB(A) Sigma(LrD) 0.0 dB(A)						
Turbine Enlosure	Default industrial noise	Point		5.0	0.0	
Vac 1	Default industrial noise	Point		1.5	0.0	
Vac 2	Default industrial noise	Point		1.4	0.0	
Vac 3	Default industrial noise	Point		1.9	0.0	
Vac 4	Default industrial noise	Point		1.7	0.0	
Vac 5	Default industrial noise	Point		1.3	0.0	
Vac 6	Default industrial noise	Point		0.7	0.0	
Vac 7	Default industrial noise	Point		0.5	0.0	
Vac 8	Default industrial noise	Point		0.4	0.0	
Vac 9	Default industrial noise	Point		0.2	0.0	
Vac 10	Default industrial noise	Point		0.1	0.0	
Vac 11	Default industrial noise	Point		-0.1	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	Default industrial noise	Area		-17.0	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Default industrial noise	Area		-13.4	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Default industrial noise	Area		-19.8	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	Default industrial noise	Area		-16.6	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Default industrial noise	Area		29.1	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	Default industrial noise	Area		-18.4	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-17.9	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-21.9	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	Default industrial noise	Area		-17.0	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Default industrial noise	Area		27.9	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	Default industrial noise	Area		-13.8	0.0	

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QQ 6-126 Bass Lake rd
Contribution level - 003 - 12 Sonny - Silenced - Lined 25ft -

9

Source	Source group	Source ty	Tr. lane	LrD dB(A)	A dB	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	Default industrial noise	Area		-13.6	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-16.9	0.0	
Receiver 10671650,4282522 FI G LrD,lim dB(A) LrD 40.2 dB(A) Sigma(LrD) 0.0 dB(A)						
Turbine Enlosure	Default industrial noise	Point		21.5	0.0	
Vac 1	Default industrial noise	Point		16.9	0.0	
Vac 2	Default industrial noise	Point		16.9	0.0	
Vac 3	Default industrial noise	Point		16.9	0.0	
Vac 4	Default industrial noise	Point		16.8	0.0	
Vac 5	Default industrial noise	Point		16.6	0.0	
Vac 6	Default industrial noise	Point		20.6	0.0	
Vac 7	Default industrial noise	Point		20.8	0.0	
Vac 8	Default industrial noise	Point		20.9	0.0	
Vac 9	Default industrial noise	Point		20.8	0.0	
Vac 10	Default industrial noise	Point		20.7	0.0	
Vac 11	Default industrial noise	Point		20.4	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	Default industrial noise	Area		-11.8	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Default industrial noise	Area		-7.4	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Default industrial noise	Area		-19.5	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	Default industrial noise	Area		-5.2	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Default industrial noise	Area		39.6	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	Default industrial noise	Area		-17.9	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-14.8	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-24.1	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	Default industrial noise	Area		-23.4	0.0	

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QQ 6-126 Bass Lake rd
Contribution level - 003 - 12 Sonny - Silenced - Lined 25ft -

9

Source	Source group	Source ty	Tr. lane	LrD dB(A)	A dB	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Default industrial noise	Area		19.9	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	Default industrial noise	Area		-8.8	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	Default industrial noise	Area		-5.4	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-15.1	0.0	
Receiver 10671700,4282599 FI G LrD,lim dB(A) LrD 46.5 dB(A) Sigma(LrD) 0.0 dB(A)						
Turbine Enlosure	Default industrial noise	Point		22.4	0.0	
Vac 1	Default industrial noise	Point		19.6	0.0	
Vac 2	Default industrial noise	Point		20.1	0.0	
Vac 3	Default industrial noise	Point		20.5	0.0	
Vac 4	Default industrial noise	Point		21.0	0.0	
Vac 5	Default industrial noise	Point		21.9	0.0	
Vac 6	Default industrial noise	Point		18.5	0.0	
Vac 7	Default industrial noise	Point		18.9	0.0	
Vac 8	Default industrial noise	Point		19.3	0.0	
Vac 9	Default industrial noise	Point		19.7	0.0	
Vac 10	Default industrial noise	Point		20.1	0.0	
Vac 11	Default industrial noise	Point		14.5	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	Default industrial noise	Area		-10.8	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Default industrial noise	Area		-3.7	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	Default industrial noise	Area		-15.5	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	Default industrial noise	Area		-2.1	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Default industrial noise	Area		46.4	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	Default industrial noise	Area		-16.3	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-13.7	0.0	

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**QQ 6-126 Bass Lake rd
Contribution level - 003 - 12 Sonny - Silenced - Lined 25ft -**

9

Source	Source group	Source ty	Tr. lane	LrD dB(A)	A dB	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-22.7	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	Default industrial noise	Area		-20.5	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	Default industrial noise	Area		22.5	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	Default industrial noise	Area		-15.8	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	Default industrial noise	Area		-12.0	0.0	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	Default industrial noise	Area		-21.8	0.0	

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SoundPLAN 8.2

QQ 6-126 Bass Lake rd
Contribution spectra - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

23

Source	Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz																								
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)																								
Receiver 10671558,4282641 Fl G LrD,lim dB(A) LrD 31.6 dB(A) Sigma(LrD) 0.0 dB(A)																																																					
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	LrD	-16.6								-21.5					-19.1						-26.2									-34.5						-46.6									-61.4								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	LrD	-18.4								-19.8					-24.6						-33.6									-41.9						-54.1									-68.7								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	LrD	-17.0								-18.7					-22.5						-31.6									-41.0						-54.0									-68.7								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	LrD	-13.8								-15.0					-20.4						-30.5									-38.9						-51.4									-66.2								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	LrD	-17.0								-19.2					-21.7						-31.1									-39.7						-52.1									-66.7								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	LrD	29.1								18.7					23.4						23.5									23.9						16.5									4.7								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	LrD	27.9								24.3					22.1						19.5									19.4						10.3									-1.5								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	LrD	-13.6								-16.9					-17.1						-25.3									-34.3						-46.2									-60.9								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-17.9								-20.6					-22.0						-29.3									-37.7						-49.6									-64.3								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-16.9								-18.1					-23.6						-33.6									-42.9						-55.9									-70.8								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-21.9								-23.3					-28.2						-37.2									-45.5						-57.9									-72.4								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	LrD	-13.4								-18.2					-15.9						-23.7									-32.9						-45.3									-60.0								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	LrD	-19.8								-22.0					-24.2						-33.7									-42.9						-55.3									-69.9								
Turbine Enclosure	LrD	5.0	-21.4	-19.5	-13.6	-10.7	-8.8	-5.8	-8.2	-8.3	-6.3	-2.8	-2.8	-7.9	-10.9	-7.9	-15.0	-12.2	-11.3	-13.5	-10.1	-10.5	-11.1	-12.1	-13.6	-17.9	-22.4	-30.7	-41.4									-41.4															
Vac 1	LrD	1.5	-23.6	-21.5	-15.6	-12.8	-11.1	-8.4	-10.8	-11.1	-9.3	-6.6	-6.7	-11.8	-14.8	-11.9	-18.9	-17.2	-16.3	-18.5	-14.2	-14.6	-15.1	-15.9	-17.1	-21.0	-24.9	-32.1	-41.3									-41.3															
Vac 2	LrD	1.4	-23.7	-21.6	-15.7	-12.9	-11.1	-8.5	-11.0	-11.2	-9.4	-6.8	-6.9	-12.0	-15.1	-12.1	-19.2	-17.4	-16.5	-18.7	-14.4	-14.8	-15.3	-16.2	-17.4	-21.3	-25.3	-32.6	-42.0									-42.0															
Vac 3	LrD	1.9	-23.2	-21.1	-15.0	-12.0	-10.1	-7.3	-9.9	-10.2	-8.6	-6.3	-6.6	-11.8	-15.0	-12.1	-19.2	-17.3	-16.6	-18.8	-14.5	-14.9	-15.5	-16.3	-17.6	-21.6	-25.6	-33.1	-42.6									-42.6															

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QQ 6-126 Bass Lake rd

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Contribution spectra - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

Source	Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Vac 4	LrD	1.7	-23.4	-21.2	-15.2	-12.2	-10.3	-7.5	-10.1	-10.5	-8.9	-6.5	-6.8	-12.1	-15.2	-12.3	-19.4	-17.5	-16.7	-19.0	-14.7	-15.1	-15.7	-16.6	-17.9	-21.9	-26.0	-33.5	-43.2
Vac 5	LrD	1.3	-23.5	-21.3	-15.3	-12.3	-10.5	-7.7	-10.4	-10.8	-9.2	-7.0	-7.3	-12.5	-15.6	-12.8	-19.9	-17.8	-17.1	-19.3	-15.0	-15.5	-16.1	-17.0	-18.3	-22.4	-26.6	-34.4	-44.3
Vac 6	LrD	0.7	-24.3	-22.3	-16.3	-13.5	-11.8	-9.1	-11.7	-11.9	-10.1	-7.3	-7.4	-12.5	-15.5	-12.6	-19.6	-18.2	-17.4	-19.6	-15.2	-15.6	-16.2	-17.1	-18.5	-22.5	-26.7	-34.5	-44.4
Vac 7	LrD	0.5	-24.5	-22.4	-16.5	-13.7	-12.0	-9.3	-11.9	-12.1	-10.3	-7.5	-7.6	-12.7	-15.7	-12.8	-19.8	-18.3	-17.5	-19.7	-15.4	-15.8	-16.4	-17.3	-18.7	-22.8	-27.0	-34.9	-44.9
Vac 8	LrD	0.4	-24.5	-22.5	-16.6	-13.8	-12.1	-9.4	-12.0	-12.3	-10.4	-7.7	-7.8	-12.9	-15.9	-13.0	-20.0	-18.5	-17.6	-19.9	-15.5	-15.9	-16.5	-17.5	-18.9	-23.0	-27.3	-35.3	-45.5
Vac 9	LrD	0.2	-24.7	-22.6	-16.7	-14.0	-12.3	-9.5	-12.2	-12.4	-10.6	-7.9	-8.0	-13.1	-16.1	-13.2	-20.2	-18.6	-17.8	-20.0	-15.7	-16.1	-16.7	-17.6	-19.1	-23.3	-27.6	-35.6	-46.0
Vac 10	LrD	0.1	-24.7	-22.7	-16.8	-14.0	-12.3	-9.6	-12.3	-12.5	-10.7	-8.1	-8.2	-13.2	-16.3	-13.3	-20.4	-18.7	-17.9	-20.1	-15.8	-16.2	-16.9	-17.8	-19.3	-23.5	-27.9	-36.0	-46.4
Vac 11	LrD	-0.1	-24.8	-22.8	-16.9	-14.1	-12.3	-9.7	-12.4	-12.7	-10.9	-8.2	-8.3	-13.4	-16.5	-13.5	-20.6	-18.9	-18.1	-20.3	-16.0	-16.4	-17.0	-18.0	-19.5	-23.8	-28.2	-36.4	-47.0
26	LrD																												
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50	LrD																												
Receiver 10671650.4282522 Fl G LrD,lim dB(A) LrD 40.2 dB(A) Sigma(LrD) 0.0 dB(A)																													
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	LrD	-5.2								-10.0			-7.7			-15.1			-25.7			-40.4				-57.2			

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QQ 6-126 Bass Lake rd
Contribution spectra - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

23

Source	Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	LrD	-17.9								-19.6			-23.4			-33.4			-43.4			-56.3				-71.5				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	LrD	-23.4								-25.7			-27.9			-37.2			-46.6			-60.3				-76.1				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	LrD	-8.8								-10.9			-13.4			-23.0			-33.6			-48.2				-65.3				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	LrD	-11.8								-14.6			-15.5			-25.0			-35.8			-51.1				-69.0				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	LrD	39.6								31.2			35.5			34.2			32.0			22.0				8.3				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	LrD	19.9								14.7			14.3			11.6			13.6			5.1				-7.4				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	LrD	-5.4								-9.2			-8.5			-16.3			-27.1			-41.6				-58.4				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-14.8								-17.9			-18.3			-26.6			-36.4			-49.1				-63.8				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-15.1								-17.2			-19.9			-29.5			-40.2			-55.3				-73.3				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-24.1								-25.7			-29.6			-39.7			-49.6			-62.8				-78.5				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	LrD	-7.4								-11.9			-10.1			-17.8			-28.5			-43.6				-60.9				
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	LrD	-19.5								-21.8			-24.0			-32.3			-43.3			-58.8				-77.3				
Turbine Enclosure	LrD	21.5	-7.1	-4.5	2.0	5.3	7.5	10.5	9.2	9.1	11.0	14.2	14.2	9.1	6.1	9.1	2.1	4.0	3.9	0.9	3.2	2.1	1.0	0.5	0.1	-2.6	-4.6	-9.1	-14.3	
Vac 1	LrD	16.9	-15.0	-12.3	-5.7	-2.0	0.6	4.1	3.4	3.8	6.2	9.7	10.0	5.3	2.5	5.6	-1.2	0.0	0.1	-2.9	0.2	-0.9	-2.1	-3.4	-4.3	-7.2	-9.5	-14.6	-20.5	
Vac 2	LrD	16.9	-15.0	-12.3	-5.6	-2.0	0.6	4.2	3.4	3.8	6.2	9.7	10.0	5.3	2.5	5.6	-1.2	0.0	0.1	-2.9	0.2	-0.9	-2.1	-3.4	-4.2	-7.1	-9.5	-14.5	-20.5	
Vac 3	LrD	16.9	-15.0	-12.3	-5.6	-2.0	0.6	4.2	3.4	3.8	6.2	9.7	10.0	5.3	2.5	5.6	-1.2	0.0	0.1	-2.9	0.2	-0.9	-2.1	-3.4	-4.2	-7.1	-9.5	-14.5	-20.5	
Vac 4	LrD	16.8	-15.1	-12.4	-5.7	-2.1	0.5	4.1	3.3	3.8	6.1	9.6	9.9	5.2	2.4	5.6	-1.3	0.0	0.0	-3.0	0.1	-0.9	-2.1	-3.5	-4.3	-7.2	-9.6	-14.7	-20.7	
Vac 5	LrD	16.6	-15.2	-12.5	-5.9	-2.2	0.4	3.9	3.1	3.6	6.0	9.5	9.8	5.0	2.2	5.4	-1.5	-0.2	-0.2	-3.1	0.0	-1.1	-2.3	-3.7	-4.6	-7.5	-9.9	-15.0	-21.1	
Vac 6	LrD	20.6	-11.4	-8.7	-2.0	1.6	4.2	7.8	7.2	7.6	10.0	13.4	13.7	9.0	6.2	9.4	2.5	4.0	4.1	1.2	4.0	3.0	1.9	0.7	0.0	-2.6	-4.5	-8.8	-13.8	

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QQ 6-126 Bass Lake rd
Contribution spectra - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

23

Source	Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Vac 7	LrD	20.8	-11.2	-8.5	-1.8	1.8	4.4	8.0	7.4	7.8	10.2	13.6	13.9	9.2	6.4	9.6	2.7	4.2	4.3	1.3	4.2	3.1	2.0	0.8	0.2	-2.3	-4.2	-8.5	-13.4
Vac 8	LrD	20.9	-11.1	-8.4	-1.7	1.9	4.5	8.1	7.4	7.9	10.3	13.7	14.0	9.2	6.4	9.6	2.7	4.3	4.3	1.4	4.2	3.2	2.1	0.9	0.3	-2.3	-4.1	-8.4	-13.3
Vac 9	LrD	20.8	-11.2	-8.5	-1.8	1.8	4.4	7.9	7.3	7.8	10.2	13.5	13.8	9.1	6.3	9.5	2.6	4.1	4.2	1.3	4.1	3.1	2.0	0.8	0.2	-2.4	-4.3	-8.6	-13.5
Vac 10	LrD	20.7	-11.3	-8.6	-2.0	1.7	4.3	7.8	7.2	7.7	10.0	13.4	13.7	9.0	6.2	9.4	2.5	4.0	4.1	1.2	4.0	3.0	1.9	0.7	0.0	-2.6	-4.5	-8.8	-13.7
Vac 11	LrD	20.4	-11.6	-8.9	-2.2	1.5	4.1	7.6	7.0	7.4	9.8	13.2	13.5	8.8	6.0	9.1	2.3	3.8	3.8	0.9	3.8	2.7	1.6	0.4	-0.3	-2.9	-4.8	-9.2	-14.2
26	LrD																												
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50	LrD																												
Receiver 10671700,4282599 Fl G LrD,lim dB(A) LrD 46.5 dB(A) Sigma(LrD) 0.0 dB(A)																													
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 01	LrD	-2.1									-9.6																		
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 02	LrD	-16.3									-19.4																		

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QQ 6-126 Bass Lake rd
Contribution spectra - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

23

Source	Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 03	LrD	-20.5								-23.9			-23.7			-33.5			-44.2			-57.6								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Facade 04	LrD	-15.8								-18.3			-19.8			-30.2			-40.5			-53.4								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Roof 01	LrD	-10.8								-15.2			-13.3			-22.9			-34.2			-49.7								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	LrD	46.4								33.9			41.1			41.5			40.8			32.4								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 01	LrD	22.5								16.1			18.4			15.0			14.8			6.5								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 04	LrD	-12.0								-16.4			-14.6			-23.2			-33.3			-46.2								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-13.7								-18.6			-16.0			-24.8			-34.4			-46.2								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-21.8								-24.2			-25.8			-36.3			-46.5			-59.7								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 05	LrD	-22.7								-25.5			-26.2			-37.0			-47.1			-59.6								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	LrD	-3.7								-11.3			-5.5			-12.2			-21.6			-35.1								
001 - 12 Sonny Tunnel - Silenced - Lined 50ft-Transmissive area 06	LrD	-15.5								-20.1			-17.9			-27.2			-37.5			-53.0								
Turbine Enclosure	LrD	22.4	-10.0	-7.3	-0.7	2.8	5.2	8.5	7.3	7.5	9.6	15.8	16.0	11.2	8.4	11.5	4.6	6.3	6.4	3.4	5.8	4.7	3.4	2.0	0.3	-3.8	-7.3	-13.1	-19.9	
Vac 1	LrD	19.6	-16.5	-13.8	-7.0	-3.3	-0.6	3.2	2.5	3.1	5.7	11.6	12.3	8.0	5.9	9.5	3.2	5.0	5.6	3.1	6.9	6.2	5.4	4.3	2.9	-1.1	-4.9	-11.9	-20.2	
Vac 2	LrD	20.1	-16.0	-13.3	-6.5	-2.8	0.0	3.7	3.0	3.6	6.2	12.1	12.8	8.5	6.4	10.0	3.7	5.4	6.0	3.5	7.2	6.5	5.7	4.6	3.2	-0.7	-4.4	-11.2	-19.3	
Vac 3	LrD	20.5	-15.5	-12.8	-6.0	-2.3	0.4	4.1	3.5	4.1	6.7	12.6	13.3	9.0	6.8	10.5	4.2	5.9	6.4	3.9	7.6	6.9	6.1	5.0	3.6	-0.2	-3.9	-10.5	-18.4	
Vac 4	LrD	21.0	-15.0	-12.3	-5.5	-1.8	1.0	4.7	4.0	4.7	7.3	13.1	13.8	9.5	7.3	11.0	4.7	6.3	6.8	4.3	8.0	7.3	6.5	5.5	4.1	0.3	-3.3	-9.8	-17.5	
Vac 5	LrD	21.9	-14.0	-11.3	-4.6	-0.8	1.9	5.6	5.0	5.7	8.3	14.1	14.8	10.5	8.2	11.9	5.4	7.0	7.5	5.0	8.5	7.8	7.0	5.9	4.6	0.8	-2.6	-8.9	-16.2	
Vac 6	LrD	18.5	-17.5	-14.7	-8.0	-4.3	-1.6	2.1	1.3	1.9	4.5	10.5	11.2	6.9	4.7	8.4	2.1	4.1	4.6	2.2	6.0	5.4	4.6	3.5	1.9	-2.2	-6.2	-13.5	-22.4	
Vac 7	LrD	18.9	-17.2	-14.5	-7.8	-4.0	-1.3	2.4	1.6	2.3	4.9	10.9	11.6	7.3	5.1	8.8	2.4	4.4	5.0	2.5	6.4	5.7	4.9	3.8	2.4	-1.7	-5.6	-12.8	-21.5	
Vac 8	LrD	19.3	-16.6	-13.8	-7.1	-3.4	-0.7	2.9	2.2	2.8	5.4	11.3	12.0	7.7	5.5	9.2	2.8	4.8	5.4	2.9	6.7	6.1	5.3	4.2	2.8	-1.2	-5.1	-12.1	-20.6	

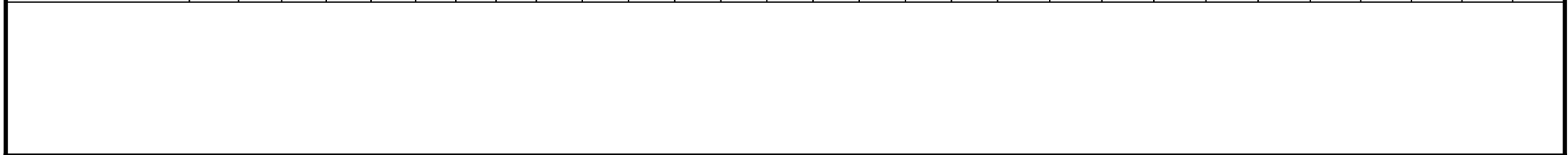
MD Acoustics 1197 E Los Angeles Ave, Unit C 256 Simi Valley, CA 93065 USA

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QQ 6-126 Bass Lake rd
Contribution spectra - 003 - 12 Sonny - Silenced - Lined 25ft - Entrance & Exit': Outdoor SP

23

Source	Time slice	Sum	25Hz	31.5Hz	40Hz	50Hz	63Hz	80Hz	100Hz	125Hz	160Hz	200Hz	250Hz	315Hz	400Hz	500Hz	630Hz	800Hz	1kHz	1.25kHz	1.6kHz	2kHz	2.5kHz	3.15kHz	4kHz	5kHz	6.3kHz	8kHz	10kHz	
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Vac 9	LrD	19.7	-16.1	-13.4	-6.7	-3.0	-0.3	3.4	2.6	3.3	5.8	11.7	12.4	8.1	5.9	9.6	3.3	5.2	5.7	3.3	7.1	6.4	5.6	4.6	3.2	-0.8	-4.5	-11.4	-19.7	
Vac 10	LrD	20.1	-15.8	-13.0	-6.3	-2.6	0.1	3.7	3.0	3.6	6.2	12.1	12.8	8.5	6.3	10.0	3.7	5.5	6.1	3.6	7.4	6.7	5.9	4.9	3.5	-0.4	-4.0	-10.8	-19.0	
Vac 11	LrD	14.5	-16.3	-13.8	-7.4	-4.1	-1.8	1.4	0.2	0.3	2.4	7.9	8.1	3.2	0.3	3.4	-3.6	-2.4	-2.4	-5.4	-2.3	-3.5	-4.8	-6.2	-8.0	-12.1	-15.3	-21.2	-28.1	
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Appendix D:
Construction Noise Modeling Output

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit H: Noise Impact Study

Activity	L_{eq} at 200 feet dBA	L_{Max} at 200 feet dBA
Grading	72	73
Building Construction	68	69
Paving	69	72

Equipment Summary	Reference (dBA) 50 ft Lmax
Rock Drills	96
Jack Hammers	82
Pneumatic Tools	85
Pavers	80
Dozers	85
Scrappers	87
Haul Trucks	88
Cranes	82
Portable Generators	80
Rollers	80
Tractors	80
Front-End Loaders	86
Hydraulic Excavators	86
Graders	86
Air Compressors	86
Trucks	86

Grading

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements

No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor ¹	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA)		Energy	
								Lmax	Leq		
1	Grader	86	1	40	200	0.5	0	70.9	67.0	4976339.63	
2	Dozer	85	1	40	200	0.5	0	69.9	66.0	3952847.08	
3	Excavator	86	1	40	200	0.5	0	70.9	67.0	4976339.63	
4	Tractor/Backhoe	80	1	40	200	0.5	0	64.9	61.0	1250000	
								Lmax*	73	Leq	72
								Lw	105	Lw	103

Source: MD Acoustics, July 2018.

1- Percentage of time that a piece of equipment is operating at full power.

dBA – A-weighted Decibels

Lmax- Maximum Level

Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding Leq dBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA
50	15.2	0.5	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57
60	18.3	0.5	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55
70	21.3	0.5	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53
80	24.4	0.5	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
90	27.4	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
100	30.5	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
110	33.5	0.5	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
120	36.6	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
130	39.6	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
140	42.7	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
150	45.7	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
160	48.8	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
170	51.8	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
180	54.9	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
190	57.9	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
200	61.0	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
210	64.0	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
220	67.1	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
230	70.1	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
240	73.1	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
250	76.2	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
260	79.2	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
270	82.3	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
280	85.3	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
290	88.4	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
300	91.4	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
310	94.5	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
320	97.5	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
330	100.6	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
340	103.6	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
350	106.7	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
360	109.7	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
370	112.8	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35

Building Construction

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements											
No.	Equipment Description	Reference (dBA)	Quantity	Usage Factor ¹	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA)		Energy	
		50 ft Lmax						Lmax	Leq		
1	Cranes	82	1	40	200	0.5	0	66.9	63.0	1981116.49	
2	Forklift/Tractor	80	1	40	200	0.5	0	64.9	61.0	1250000	
3	Generator	80	1	40	200	0.5	0	64.9	61.0	1250000	
4	Tractor/Backhoe	80	1	40	200	0.5	0	64.9	61.0	1250000	
								Lmax*	69	Leq	68
								Lw	101	Lw	99

Source: MD Acoustics, July 2018.

1- Percentage of time that a piece of equipment is operating at full power.

dBA – A-weighted Decibels

Lmax- Maximum Level

Leq- Equivalent Level

Feet	Meters	Ground Effect	No Shielding Leq dBA	1 dBA Shielding Leq dBA	2 dBA Shielding Leq dBA	3 dBA Shielding Leq dBA	4 dBA Shielding Leq dBA	5 dBA Shielding Leq dBA	6 dBA Shielding Leq dBA	7 dBA Shielding Leq dBA	8 dBA Shielding Leq dBA	9 dBA Shielding Leq dBA	10 dBA Shielding Leq dBA	11 dBA Shielding Leq dBA	12 dBA Shielding Leq dBA	13 dBA Shielding Leq dBA	14 dBA Shielding Leq dBA	15 dBA Shielding Leq dBA	
50	15.2	0.5	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
60	18.3	0.5	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
70	21.3	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48
80	24.4	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
90	27.4	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
100	30.5	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
110	33.5	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
120	36.6	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
130	39.6	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
140	42.7	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
150	45.7	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
160	48.8	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
170	51.8	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
180	54.9	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
190	57.9	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
200	61.0	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
210	64.0	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
220	67.1	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
230	70.1	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
240	73.1	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
250	76.2	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34
260	79.2	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34
270	82.3	0.5	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
280	85.3	0.5	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
290	88.4	0.5	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32
300	91.4	0.5	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32
310	94.5	0.5	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32
320	97.5	0.5	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
330	100.6	0.5	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
340	103.6	0.5	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31
350	106.7	0.5	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30
360	109.7	0.5	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30
370	112.8	0.5	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30

Paving

Noise Level Calculation Prior to Implementation of Noise Attenuation Requirements											
No.	Equipment Description	Reference (dBA) 50 ft Lmax	Quantity	Usage Factor ¹	Distance to Receptor (ft)	Ground Effect	Shielding (dBA)	Calculated (dBA)		Energy	
								Lmax	Leq		
1	Pavers	86	1	40	200	0.5	0	70.9	67.0	4976339.63	
2	Rollers	80	1	40	200	0.5	0	64.9	61.0	1250000	
3	Paving Equipment	80	1	40	200	0.5	0	64.9	61.0	1250000	
								Lmax*	72	Leq	69
								Lw	104	Lw	100

Source: MD Acoustics, July 2018.

1- Percentage of time that a piece of equipment is operating at full power.

dBA – A-weighted Decibels

Lmax- Maximum Level

Leq- Equivalent Level

Feet	Meters	Ground Effect	No	1 dBA	2 dBA	3 dBA	4 dBA	5 dBA	6 dBA	7 dBA	8 dBA	9 dBA	10 dBA	11 dBA	12 dBA	13 dBA	14 dBA	15 dBA
			Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA	Shielding Leq dBA
50	15.2	0.5	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54
60	18.3	0.5	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52
70	21.3	0.5	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50
80	24.4	0.5	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
90	27.4	0.5	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47
100	30.5	0.5	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46
110	33.5	0.5	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45
120	36.6	0.5	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44
130	39.6	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
140	42.7	0.5	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43
150	45.7	0.5	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42
160	48.8	0.5	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41
170	51.8	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
180	54.9	0.5	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40
190	57.9	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
200	61.0	0.5	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
210	64.0	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
220	67.1	0.5	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38
230	70.1	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
240	73.1	0.5	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37
250	76.2	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
260	79.2	0.5	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36
270	82.3	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
280	85.3	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
290	88.4	0.5	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35
300	91.4	0.5	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34
310	94.5	0.5	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34
320	97.5	0.5	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34
330	100.6	0.5	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
340	103.6	0.5	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
350	106.7	0.5	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33
360	109.7	0.5	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32
370	112.8	0.5	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32

VIBRATION LEVEL IMPACT		
Project:	QQ Car Wash (Store #6-126) - El Dorado Hills	Date: 9/9/21
Source:	Large Bulldozer	
Scenario:	Unmitigated	
Location:	Project Site	
Address:		
PPV = PPVref(25/D)^n (in/sec)		

DATA INPUT		
Equipment =	2	Large Bulldozer
Type		
INPUT SECTION IN BLUE		
PPVref =	0.089	Reference PPV (in/sec) at 25 ft.
D =	200.00	Distance from Equipment to Receiver (ft)
n =	1.10	Vibration attenuation rate through the ground
Note: Based on reference equations from Vibration Guidance Manual, California Department of Transportation, 2006, pgs 38-43.		

DATA OUT RESULTS		
PPV =	0.009	IN/SEC
OUTPUT IN RED		

El Dorado Hills Quick Quack Transportation Impact Analysis Report

Prepared for:
El Dorado County

July 11, 2023

RS22-4198

FEHR  PEERS

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit I: Traffic Impact Assessment

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Introduction

Report Overview

This report presents the results of a transportation impact study (TIS) completed for the proposed Quick Quack Car Wash (project) in El Dorado Hills, California, which is the unincorporated area of El Dorado County (County).

The purpose of this impact analysis is to identify potential impacts to transportation facilities under existing conditions. The project is consistent with the General Plan land use designation and zoning. Therefore, the cumulative analysis is covered by the transportation analysis completed for the General Plan.

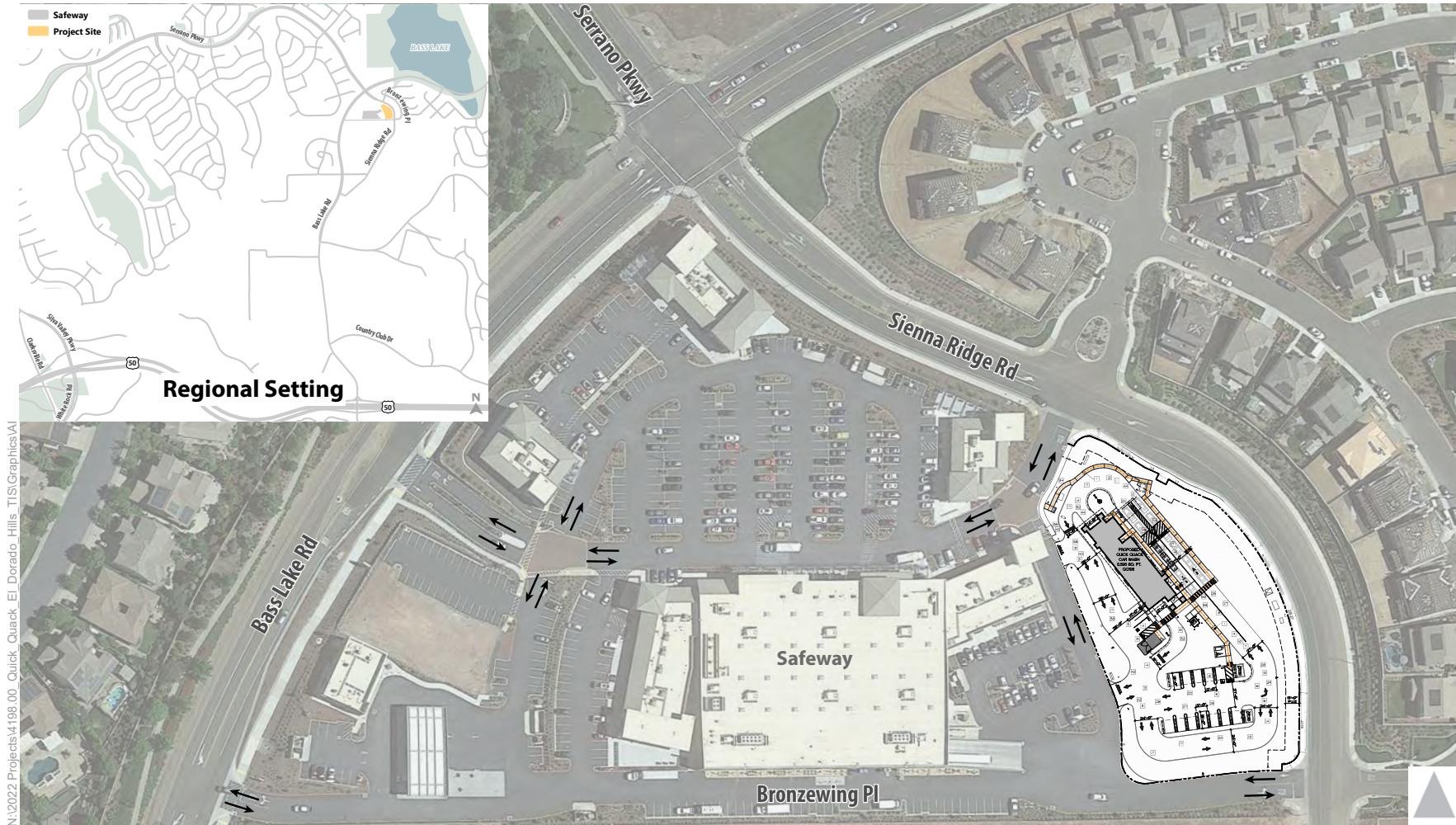
The remaining sections of this report document the proposed project, analysis methodologies and impacts.

Project Description

Figure 1 shows the proposed project and access locations. The proposed project includes the development of a car wash, including 3,596 square-foot of building area, located on the west side of Sienna Ridge Road, south of Luzon Way. The project also includes a drive through with two storage lanes (totaling about 400 feet of storage or storage for 16 to 20 vehicles), 12 vacuum canopy parking stalls with one van accessible, three parking stalls with one van accessible, and a trash collection enclosure. As shown in **Figure 1**, the project site has two access points from an existing north/south internal circulatory roadway in the Sienna Ridge Shopping Center that provides access to Bronzewing Place and its intersection with Sienna Ridge Road and to the Sienna Ridge Road/Luzon Way intersection. No new driveways are proposed on Sienna Ridge Road. Consequently, all site access occurs from the existing shopping center.

Project Scoping

The scope of the transportation impact analysis was developed through coordination with the El Dorado County Community Development Agency (Long Range Planning). This study was performed in accordance with the *El Dorado County Transportation Impact Study Guidelines, November 2014*.



N:\2022 Projects\4198_00_Quick_Quack_EI_Dorado_Hills_TIS\Graphics\A



Site Plan Provided by CRM Architects & Planners, Inc.

Figure 1
Proposed Project

Regulatory Setting

Existing transportation policies, laws, and regulations that would apply to the proposed project are summarized below. This information provides a context for the impact discussion related to the project's consistency with applicable regulatory requirements.

State (SB 743)

Passed in 2013, SB 743 changes the focus of transportation impact analysis in CEQA from measuring impacts to drivers, to measuring the impact of driving. The change is being made by replacing LOS with vehicle miles of travel (VMT). This shift in transportation impact focus is intended to better align transportation impact analysis and mitigation outcomes with the State's goals to reduce greenhouse gas (GHG) emissions, encourage infill development, and improve public health through more active transportation. Level of service or other delay metrics may still be used to evaluate the impact of projects on drivers as part of land use entitlement review and impact fee programs.

In January 2019, the Natural Resources Agency finalized updates to the CEQA Guidelines including the incorporation of SB 743 modifications. The Guidelines' changes were approved by the Office of Administrative Law and are now in effect. Specific to SB 743, Section 15064.3(c) states, "A lead agency may elect to be governed by the provisions of this section immediately. The provisions apply statewide as of July 1, 2020.

To help aid lead agencies with SB 743 implementation, the Governor's Office of Planning and Research (OPR) produced the [Technical Advisory on Evaluating Transportation Impacts in CEQA](#)¹ (December 2018) that provide guidance about the variety of implementation questions they face with respect to shifting to a VMT metric. Key guidance from this document includes:

- VMT is the most appropriate metric to evaluate a project's transportation impact.
- OPR recommends tour- and trip-based travel models to estimate VMT, but ultimately defers to local agencies to determine the appropriate tools.
- OPR recommends measuring VMT for residential and office projects on a "per rate" basis.
- OPR recommends that a per capita or per employee VMT that is fifteen percent below that of existing development may be a reasonable threshold. In other words, an office project that generates VMT per employee that is more than 85 percent of the regional VMT per employee could

¹ Governor's Office of Planning and Research. *Technical Advisory on Evaluating Transportation Impacts in CEQA*. December 2018. https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

result in a significant impact. OPR notes that this threshold is supported by evidence that connects this level of reduction to the State's emissions goals.

- OPR recommends that where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds described above should apply.
- Lead agencies have the discretion to set or apply their own significance thresholds.

County of El Dorado

The County of El Dorado provides for the mobility of people and goods within El Dorado Hills, which is an unincorporated area of the County. The Transportation and Circulation Element of the El Dorado County General Plan (Amended August 2019) outlines goals and policies that coordinate the transportation and circulation system with planned land uses. The following goals and their associated policies are relevant to the project:

- GOAL TC-1: To plan for and provide a unified, coordinated, and cost-efficient countywide road and highway system that ensures the safe, orderly, and efficient movement of people and goods.
- GOAL TC-X: To coordinate planning and implementation of roadway improvements with new development to maintain adequate levels of service on County roads. (The LOS policy specific to this project is described in Section 3.2.)
- GOAL TC-2: To promote a safe and efficient transit system that provides service to all residents, including senior citizens, youths, the disabled, and those without access to automobiles that also helps to reduce congestion, and improves the environment.
- GOAL TC-3: To reduce travel demand on the County's road system and maximize the operating efficiency of transportation facilities, thereby reducing the quantity of motor vehicle emissions and the amount of investment required in new or expanded facilities.
- GOAL TC-4: To provide a safe, continuous, and easily accessible non-motorized transportation system that facilitates the use of the viable alternative transportation modes.
- GOAL TC-5: To provide safe, continuous, and accessible sidewalks and pedestrian facilities as a viable alternative transportation mode.

The El Dorado County Community Development Agency's (CDA) *Transportation Impact Study Guidelines* (El Dorado County, 2014) set forth the protocols and procedures for conducting transportation analysis in the County, including the identification of the study area (TIS Guidelines). All the study intersections for the proposed project are within the County's jurisdiction. This traffic analysis is consistent with the TIS Guidelines. In Addition, the project is subject to Measure E, which was adopted June 6, 2016, and became official on July 29, 2016.

Analysis Methodology

Analysis Procedures



Each study roadway facility was analyzed using the concept of Level of Service (LOS). LOS is a qualitative measure of traffic operating conditions whereby a letter grade, from A (the best) to F (the worst), is assigned. These grades represent the perspective of drivers and are an indication of the comfort and convenience associated with driving. In general, LOS A represents free-flow conditions with no congestion, and LOS F represents long delays and a facility that is operating at or near its functional capacity.

Intersections

Traffic operations at the study intersections were analyzed using procedures and methodologies contained in the *Highway Capacity Manual 6th Edition (HCM)*, Transportation Research Board, 2016, as confirmed with County staff. These methodologies were applied using Synchro software. **Table 1** displays the delay range associated with each LOS category for signalized and unsignalized intersections based on the HCM. The HCM methodology determines the level of service (LOS) at signalized intersections by comparing the average control delay (i.e., delay resulting from initial deceleration, queue move-up time, time stopped, and final acceleration) per vehicle at the intersection to the established thresholds. The LOS for traffic signal controlled and all-way stop controlled intersections is based on the average control delay for the entire intersection. For side-street stop-controlled intersections, the LOS is evaluated separately for each individual movement with delay reported for the critical (i.e., worst case) turning movement. The following procedures and assumptions were applied for the analysis of existing and cumulative conditions:

- Roadway geometric data was gathered using aerial photographs and field observations.
- Peak hour traffic volumes were entered according to the peak hour of each intersection.
- The peak hour factor (PHF) was calculated based on traffic counts and applied by approach.
- The counted pedestrian and bicycle volumes were used with a minimum of two pedestrians per approach per peak hour.
- Heavy vehicle percentages were based on traffic counts and applied by movement.
- Signal phasing and timings were based on existing signal timing sheets provided by El Dorado County and field observations.
- Speeds for the model network were based on the posted speed limit.

TABLE 1: INTERSECTION LEVEL OF SERVICE CRITERIA

Level-of-Service	Average Control Delay (seconds/vehicle)		Description
	Signalized 	Stop Controlled 	
A	< 10.0	< 10.0	Very low delay. At signalized intersections, most vehicles do not stop.
B	10.1 to 20.0	10.1 to 15.0	Generally good progression of vehicles. Slight delays.
C	>20.1 to 35.0	>15.1 to 25.0	Fair progression. At signalized intersections, increased number of stopped vehicles.
D	>35.1 to 55.0	>25.1 to 35.0	Noticeable congestion. At signalized intersections, large portion of vehicles stopped.
E	>55.1 to 80.0	>35.1 to 50.0	Poor progression. High delays and frequent cycle failure.
F	>80.0	>50.0	Oversaturation. Forced flow. Extensive queuing.

Source: *Highway Capacity Manual 6th Edition (HCM)*, Transportation Research Board, 2016.

Vehicle Miles Traveled (VMT)

To analyze VMT, the El Dorado County travel demand forecasting model was applied using both its' Trip Length Adjustment and Intrazonal VMT Estimation post processing procedures as documented in the *El Dorado County Model Update – Gap Analysis Memorandum (Fehr & Peers, May 2020)* and the *El Dorado County VMT Threshold Peer Review Memorandum (DKS, June 2020)*. The VMT analysis does not reflect the Built Environment Sensitivity adjustment.

Performance Measures

The following outlined performance measures used to evaluate the project's consistency with the policy of the El Dorado County General Plan.

For most transportation and circulation impacts, policies from the *2004 El Dorado County General Plan* (Amended August 2019) and the El Dorado County CDA's *Transportation Impact Study Guidelines* (El Dorado County, 2014) were used. Implementation of the project would be inconsistent with El Dorado County General Plan if it causes any of the following outcomes:

- General Plan Circulation Policy TC-Xd provides Level of Service standards for County-maintained roads and state highways as follows²:
 - Level of Service (LOS) for County-maintained roads and state highways within the unincorporated areas of the county shall not be worse than LOS E in the Community Regions or LOS D in the Rural Centers and Rural Regions except as specified in Table TC-2. The volume to capacity ratio of the roadway segments listed in Table TC-2 as applicable shall not exceed the ratio specified in that table. (*Note: None of the study roadways are presented in Table TC-2*)
 - If a project causes the peak hour level of service or volume/capacity ratio on a county road or state highway that would otherwise meet the County standards (without the project) to exceed County LOS thresholds, then the impact shall be considered significant.
 - If any county road or state highway fails to meet the above listed county standards for peak hour LOS or volume/capacity ratios without the proposed project, and the project will worsen conditions on the road or highway, then the impact shall be considered significant. The term worsen is defined for the purpose of this paragraph according to General Plan Policy TC-Xe as follows:
 - A. A two (2) percent increase in traffic during the AM peak hour, PM peak hour or daily, OR

² *El Dorado County Community Development Agency's Transportation Impact Study Guidelines*

- B. The addition of 100 or more daily trips, OR
- C. The addition of 10 or more trips during the AM peak hour or the PM peak hour.

Thresholds of Significance

In 2019, the El Dorado County Transportation Commission completed a study entitled the “El Dorado County and City of Placerville SB 743 Implementation Plan” (July 19, 2019) to support El Dorado County and the City of Placerville with implementation of SB 743, including the selection of VMT analysis methodology, setting thresholds of significance, and potential mitigation.

With Resolution 141-2020 (October 6, 2020), the Board of Supervisors of the County of El Dorado adopted VMT thresholds of significance for purposes of analyzing transportation impacts under CEQA.

The County’s VMT thresholds consider the VMT performance of residential and office components of a project separately, using the efficiency metrics of VMT per capita and VMT per employee, respectively. For retail components of a project, the county-wide VMT effect is analyzed. The El Dorado County VMT thresholds of significance are summarized below for each of these components:

- Residential – 15% below baseline unincorporated countywide VMT per Capita
- Commercial Office – 15% below baseline unincorporated countywide VMT per Employee
- Commercial Retail – No net increase in VMT

Existing Conditions

Study Area

Based on coordination with the El Dorado County Community Development Agency (Long Range Planning) staff, the expected distribution of project trips, and review of the *Transportation Impact Study Guidelines*, the following study intersections were selected for analysis during both the AM and PM peak hours.

Existing Intersections:

1. Bass Lake Road/Serrano Parkway/Sienna Ridge Road
2. Bass Lake Road/Bronzewing Place (full access Safeway driveway)
3. Sienna Ridge Road/Luzon Way
4. Sienna Ridge Road/Bronzewing Place

Roadway Network

The characteristics of the roadway system near the project site are described below. Where applicable, the roadway designation given in the *2004 El Dorado County General Plan* (amended August 2019) is provided.

Bass Lake Road is a two-lane roadway that generally follows at north-south alignment from north of US 50 to Green Valley Road. The County's General Plan identifies Bass Lake Road as a four-lane divided road near US 50 transitioning to a two-lane road north of Country Club Drive. Bass Lake Road serves about 11,000 vehicles per day north of US 50 and about 8,500 vehicles per day north of Serrano Parkway.

Sienna Ridge Road is a two-lane collector roadway that provides access to the Sienna Ridge shopping and single family residential land uses and includes sidewalks on both sides of the roadway. Sienna Ridge is not identified on the General Plan Circulation Map.

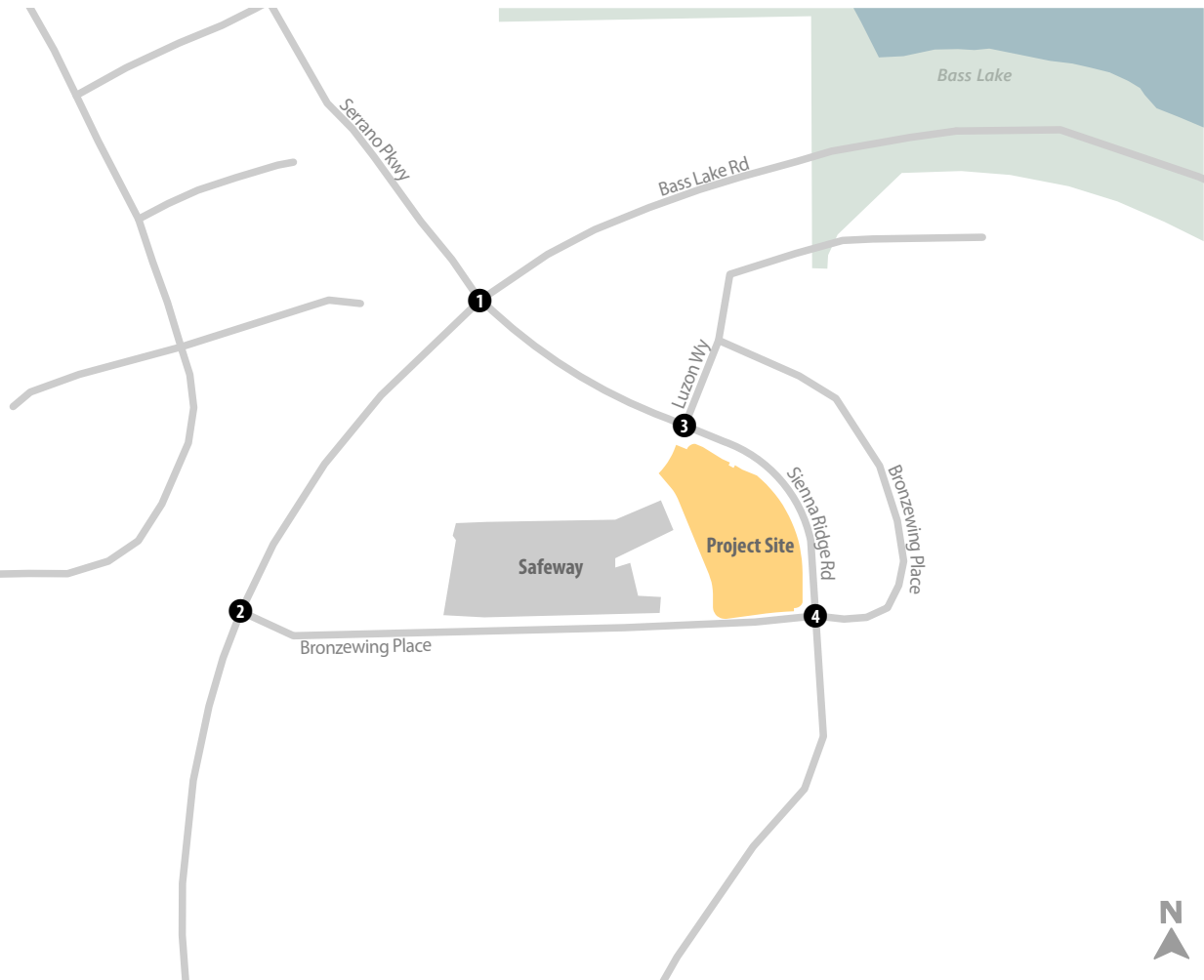
Serrano Parkway is an east-west roadway that primarily serves residential land uses west of Bass Lake Road. The roadway provides one lane in each direction with a landscaped median between Bass Lake Road to Villagio Drive where it transitions to two lanes in each direction to Silva Valley Parkway. The existing roadway matches the General Plan designation. Serrano Parkway serves about 6,400 vehicles per day west of Bass Lake Road and includes Class II on-street bike lanes and sidewalks.

Existing Conditions Peak Hour Traffic Volumes

Intersection counts were collected to determine the existing traffic operations of study facilities. The weather conditions were dry and local schools were in session during the traffic count data collection.

For study intersections, AM peak period (6 AM to 9 AM) and PM peak period (4 PM to 7 PM) intersection turning movement counts from the El Dorado Hills Bass Lake Regional Park Project, (LSA, December 2021) at the Bass Lake Road/Serrano Parkway/Sienna Ridge Road intersection and traffic counts collected at the study driveways in late August 2022 were used for the intersection operations analysis. The weather was clear and local schools were in session during the data collection.

Figure 2 provides peak hour traffic volumes, lane configurations and traffic controls at each of the study intersections.



1. Bass Lake Rd/Serrano Pkwy/Sienna Ridge Rd	2. Bass Lake Rd/Bronzewing Place	3. Sienna Ridge Rd/Luzon Way	4. Sienna Ridge Rd/Bronzewing Place
<p> Bass Lake Rd: 11 (64) left, 12 (45) through, 42 (30) right Serrano Pkwy: 26 (25) left, 150 (427) through, 116 (206) right, 1 (2) left Sienna Ridge Rd: 0 (2) left, 21 (59) through, 354 (308) right, 60 (54) left Signal: Bass Lake Rd (left), Sienna Ridge Rd (right) </p>	<p> Bass Lake Rd: 142 (507) left, 49 (46) right Bronzewing Place: 413 (372) left, 35 (77) right Signal: Bass Lake Rd (left) </p>	<p> Sienna Ridge Rd: 137 (108) left, 3 (2) through, 0 (0) right Luzon Way: 74 (60) left, 0 (2) right Signal: Sienna Ridge Rd (left), Luzon Way (right) </p>	<p> Sienna Ridge Rd: 3 (0) left, 0 (0) through, 41 (55) right Bronzewing Place: 66 (54) left, 6 (0) through, 0 (0) right Signal: Sienna Ridge Rd (left), Bronzewing Place (right) </p>

- 1** Study Intersection
- Traffic Signal
- Stop Sign
- Turn Lane
- AM (PM) Peak Hour Traffic Volume

Figure 2

Peak Hour Traffic Volumes and Lane Configurations - Existing Conditions



Existing Conditions Peak Hour Vehicle Level of Service

Intersections

Table 2 summarizes existing conditions AM and PM peak hour Level of Service (LOS) for the study intersections. The LOS of a facility is a qualitative measure used to describe operating conditions. LOS ranges from A (best), which represents short delays, to LOS F (worst), which represents long delays and a facility that is operating at or near its functional capacity.

As described above, an intersection that is operating at LOS E or better in a Community Region is considered to operate at an acceptable level. **Table 2** shows that all study intersections operate acceptably at LOS E or better during both peak hours. Detailed LOS analysis sheets are contained in **Appendix A**. See **Table 1** for a definition of LOS as it relates to intersection delay.

TABLE 2: PEAK HOUR LEVEL OF SERVICE – EXISTING CONDITIONS (INTERSECTION)

Intersection	Traffic Control	Peak Hour LOS / Delay (seconds)	
		AM	PM
1. Bass Lake Road/Serrano Parkway/Sienna Ridge Road	Signal	C / 25	C / 28
2. Bass Lake Road/Bronzewing Place (full access Safeway driveway)	SSSC	C / 16	C / 21
3. Sienna Ridge Road/Luzon Way	SSSC	B / 14	C / 18
4. Sienna Ridge Road/Bronzewing Place	SSSC	A / 0	A / 0

Notes:

Source: Fehr & Peers, 2023

Pedestrian Circulation

Sidewalks exist on the improved frontages. The Bass lake Road/Serrano Parkway/Sienna Ridge Road intersection has pedestrian crossings with marked crosswalks on all four legs.

Bicycle Circulation

Bicycle facilities are classified into three categories:

- Class I Bicycle Path– Off-street bike paths within exclusive right-of-way; usually shared with pedestrians.
- Class II Bicycle Lane – Striped on-road bike lanes adjacent to the outside travel lane on preferred corridors for biking
- Class III Bicycle Route – Shared on-road facility, usually delineated by signage and pavement markings.
- Class IV Separated Bikeway – On-road protected bike lane separated from traffic with a vertical feature like flexible posts, inflexible barriers, or on-street parking.

Class II bike lanes exist on improved frontages. The lanes are generally 5 feet with, including the curb. The segment on the north side of Sienna Ridge (east of Bass Lake Road) is about 8 feet wide.

Existing Plus Project Conditions

Trip Generation

This study estimates the project's vehicle trip generation based on field observations conducted at two comparable sites with an automated car wash. The study observed conditions at the Quick Quack Car Wash at 645 Harbor Boulevard, in West Sacramento and the Five Star Car Wash & Oil Change at 420 Pioneer Avenue in Woodland.

Trips generated by the automated car wash and quick lubrication vehicle shop at each site were counted separately to disaggregate the vehicle trip generation by use. The field observations were conducted from 4:00 PM to 6:00 PM on Friday, June 4, 2021, to assess the vehicle trip generation during this peak period.

The automated car wash service at both the Quick Quack Car Wash in West Sacramento and Five Star Car Wash in Woodland consists of a single aisle automated car wash building with multiple vacuum bays like the automated car wash component of the proposed project. Therefore, this study applies the average vehicle trip generation of these two sites to estimate the trip generation of the project's automated car wash component.

Table 3 presents the project's estimated vehicle trip generation during the weekday PM peak hour and includes reductions for pass-by trips. Pass-by trips are trips already on the roadway network that are diverted to and from commercial land use, and therefore would not be new trips generated by the project. For the proposed project, pass-by trips are existing motorists that use the automated car wash enroute to their original destination. This study estimates that approximately 9 percent of gross trips generated by the proposed project would be pass-by trips. The PM Peak hour trip generation was also used for the AM peak hour analysis, a conservative (i.e., on the high side) based on AM peak hour field observations at existing Quick Quack Car Wash sites.

TABLE 3: TRIP GENERATION

Land Use	PM Peak Hour		
	In	Out	Total
Automated Car Wash ¹	55	52	107
Pass-by Trip Reduction	-5	-5	-10
Net External Vehicle trips ²	50	47	97

Source: Trip Generation manual, 10th Edition (Institute of Transportation Engineers)

1. Trip generation for automated car wash based on average of vehicle trip generation at West Sacramento Quick Quack Car Wash and Woodland Five Star Car Wash. Trip generation reflects total trips traveling to/from the project site prior to pass-by trip reduction.
2. Net external vehicle trips represent the new primary trips generated by the project after subtracting existing pass-by trips that travel on adjacent roadways prior to the project’s development.

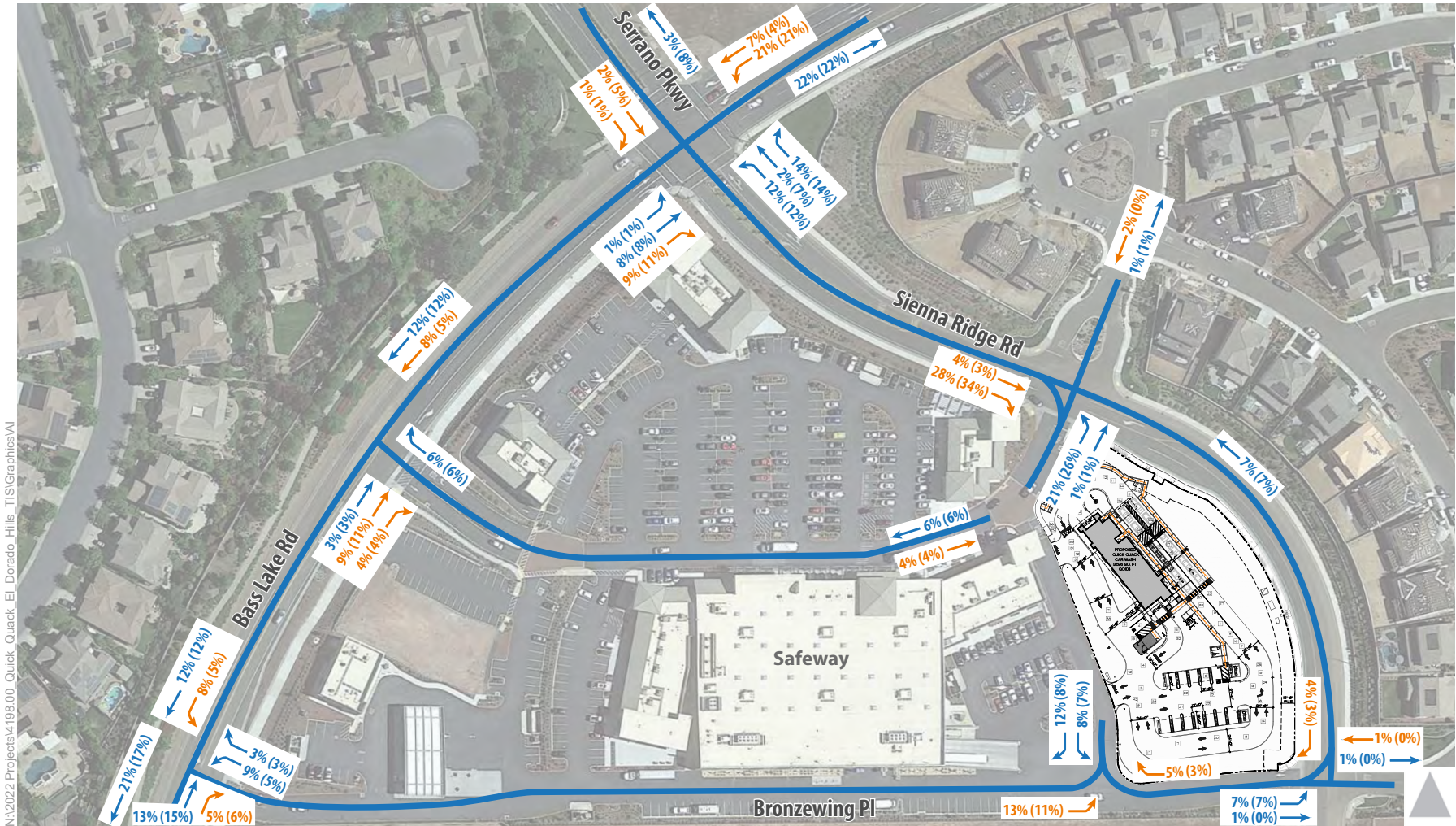
Fehr & Peers, 2023

Trip Distribution and Assignment

The expected distribution of project trips is shown on **Figure 3**. The distribution was developed using the following sources and analytical techniques:

- Existing travel patterns based on traffic counts.
- Population Distribution
- Project access

As shown on **Figure 3**, the largest share of project trips will use Bass Lake Road (90 percent) to/from the north and south. **Figure 4** shows project trip assignment based on the trip distribution shown in **Figure 3**. The resulting AM and PM peak hour traffic volumes under existing plus project conditions are presented in **Figure 5**.



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XX% (XX%)



Outbound AM (PM) Trip Distribution

XX% (XX%)



Inbound AM (PM) Trip Distribution

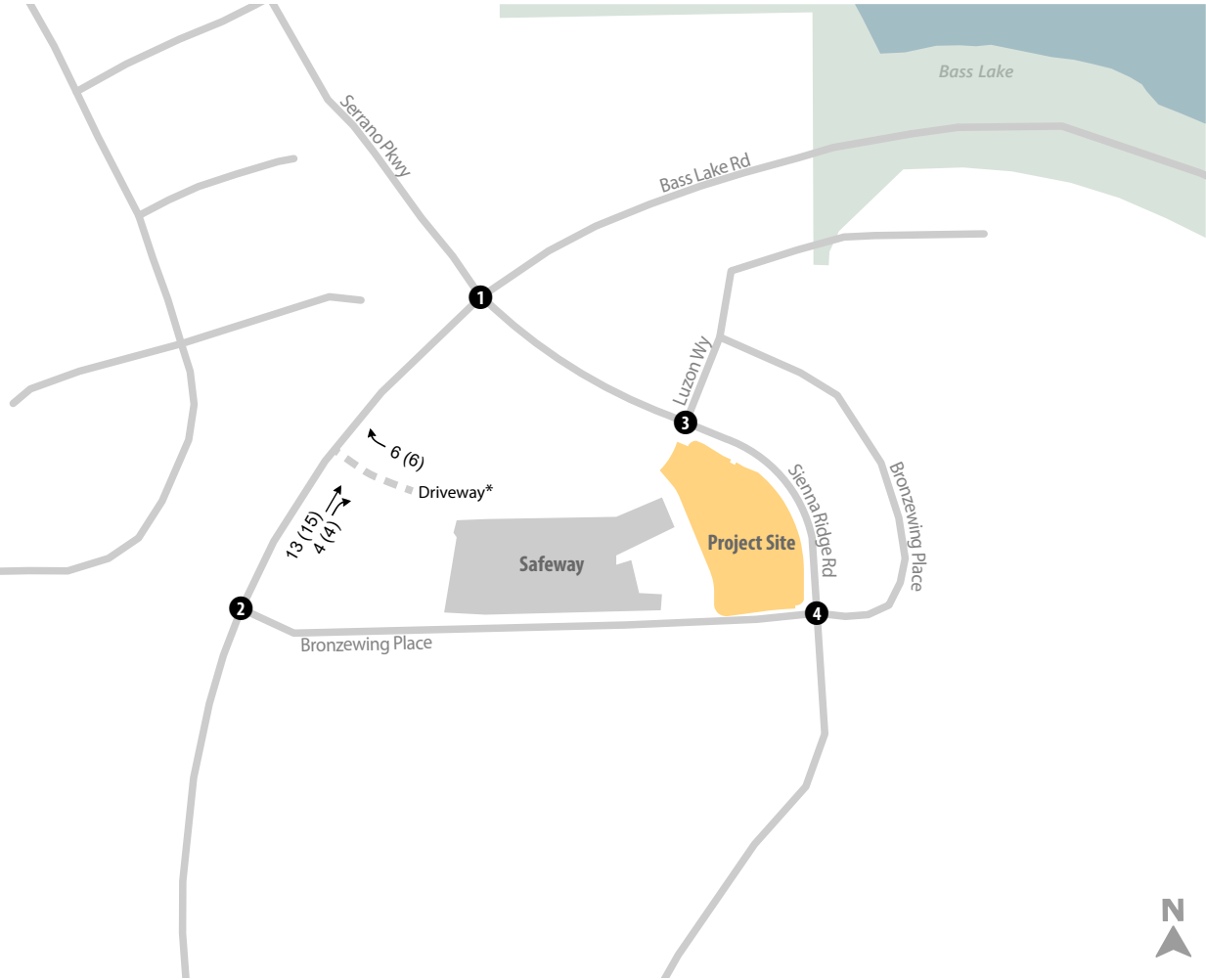


Site Plan Provided by CRM Architects & Planners, Inc.

CUP22-0014/PD-R22-0004 Sienna Ridge Quick Quack Exhibit I: Traffic Impact Assessment

Figure 3

Project Trip Distribution



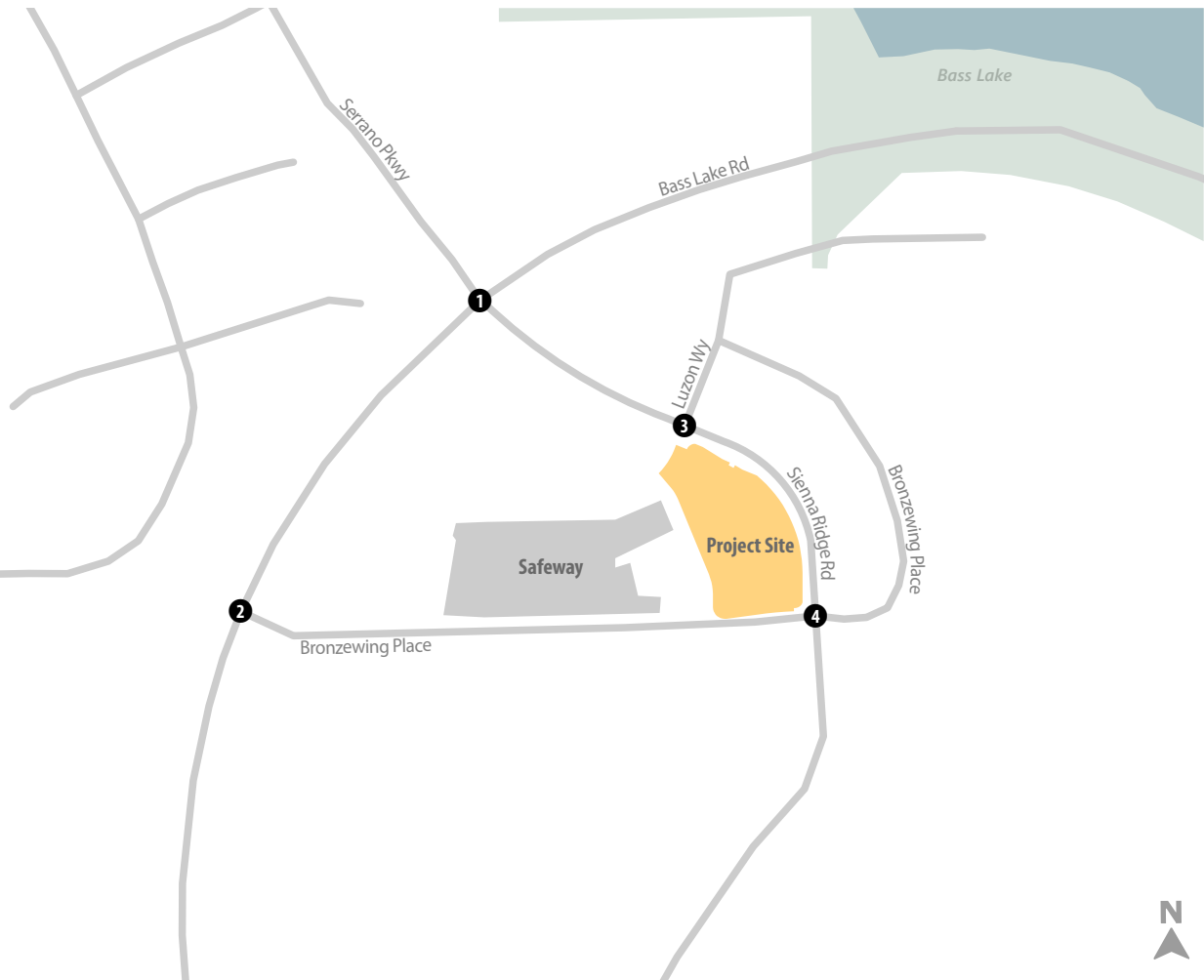
1. Bass Lake Rd/Serrano Pkwy/Sienna Ridge Rd	2. Bass Lake Rd/Bronzewing Place	3. Sienna Ridge Rd/Luzon Way	4. Sienna Ridge Rd/Bronzewing Place
<p>Diagram of intersection 1: Bass Lake Rd (horizontal) and Serrano Pkwy/Sienna Ridge Rd (vertical). Traffic signals are shown at all four corners. Lane configurations and peak hour traffic volumes (AM/PM) are: Northbound (1/1, 2/6, 0/0), Southbound (0/0, 7/4, 23/23), Eastbound (1/1, 8/8, 10/12), Westbound (13/13, 2/7, 15/15).</p>	<p>Diagram of intersection 2: Bass Lake Rd (horizontal) and Bronzewing Place (vertical). Traffic signals are shown at all four corners. Lane configurations and peak hour traffic volumes (AM/PM) are: Northbound (13/13, 8/5), Southbound (3/3, 10/5), Eastbound (14/16, 5/6), Westbound (0/0).</p>	<p>Diagram of intersection 3: Sienna Ridge Rd (horizontal) and Luzon Way (vertical). Traffic signals are shown at all four corners. Lane configurations and peak hour traffic volumes (AM/PM) are: Northbound (0/0, 2/0, 0/0), Southbound (7/7, 0/0), Eastbound (0/0, 5/4, 30/36), Westbound (22/28, 2/2, 0/0).</p>	<p>Diagram of intersection 4: Sienna Ridge Rd (horizontal) and Bronzewing Place (vertical). Traffic signals are shown at all four corners. Lane configurations and peak hour traffic volumes (AM/PM) are: Northbound (5/4, 0/0, 0/0), Southbound (0/0, 1/0, 0/0), Eastbound (7/7, 2/1, 0/0), Westbound (0/0, 0/0, 0/0).</p>

- 1** Study Intersection
- Turn Lane
- Traffic Signal
- AM (PM)** Peak Hour Traffic Volume
- Stop Sign
- * Right-In/Right-Out Only (Not a Study Intersection)

Figure 4

Peak Hour Traffic Volumes and Lane Configurations - Project Only Conditions





1. Bass Lake Rd/Serrano Pkwy/Sienna Ridge Rd	2. Bass Lake Rd/Bronzewing Place	3. Sienna Ridge Rd/Luzon Way	4. Sienna Ridge Rd/Bronzewing Place
<p> Bass Lake Rd: 12 (64) left, 14 (60) through, 42 (30) right Serrano Pkwy: 26 (25) left, 157 (431) through, 139 (229) right, 1 (2) left Sienna Ridge Rd: 0 (2) left, 22 (60) through, 362 (316) right, 70 (66) left Sienna Ridge Rd: 43 (73) left, 29 (81) through, 200 (169) right </p>	<p> Bass Lake Rd: 155 (520) left, 57 (51) right Bronzewing Place: 34 (63) left, 61 (69) right Bronzewing Place: 427 (388) left, 40 (83) right </p>	<p> Sienna Ridge Rd: 136 (107) left, 5 (2) through, 0 (0) right Luzon Way: 81 (67) left, 0 (2) right Sienna Ridge Rd: 81 (110) left, 48 (60) through, 93 (174) right Luzon Way: 53 (148) left, 6 (6) through, 1 (2) right </p>	<p> Sienna Ridge Rd: 8 (7) left, 0 (0) through, 41 (55) right Bronzewing Place: 66 (54) left, 7 (0) through, 0 (0) right Bronzewing Place: 15 (15) left, 4 (4) through, 0 (1) right Sienna Ridge Rd: 0 (0) left, 0 (0) through, 0 (0) right </p>

- 1** Study Intersection
- Traffic Signal
- Stop Sign
- Turn Lane
- AM (PM) Peak Hour Traffic Volume

Figure 5

Peak Hour Traffic Volumes and Lane Configurations - Existing Plus Project Conditions



Peak Hour Vehicle Level of Service

Intersections

Analysis results, which are presented in **Table 4**, indicate that all study intersections operate at LOS C or better during both the AM and PM peak hours. The addition of project traffic would increase delay, but all intersections would continue to operate acceptably at LOS C or better. Detailed LOS analysis sheets are contained in **Appendix A**.

TABLE 4: INTERSECTION LOS AND DELAY – EXISTING PLUS PROJECT CONDITIONS

Intersection	Control	Existing Conditions (LOS/Delay)		Existing Plus Project (LOS/Delay)	
		AM	PM	AM	PM
1. Bass Lake Road/Serrano Parkway/Sienna Ridge Road	Signal	C / 25	C / 28	C / 27	C / 30
2. Bass Lake Road/Bronzewing Place (full access Safeway driveway)	SSSC	C / 16	C / 21	C / 18	C / 23
3. Sienna Ridge Road/Luzon Way	SSSC	B / 14	C / 18	C / 16	C / 21
4. Sienna Ridge Road/Bronzewing Place	SSSC	A / 0	A / 0	A / 0	A / 0

Notes:

Source: Fehr & Peers, 2023

Vehicle Miles of Travel (VMT)

Table 5 summarizes the VMT analysis for the commercial office land use of the proposed project. As shown, the project's total VMT would not exceed the VMT threshold (i.e., no increase in total VMT) under existing or cumulative conditions. Therefore, the project's impact on VMT would be less than significant. Detailed VMT analysis, calculation methodology, and VMT model refinements are included in **Appendix B**.

TABLE 5: VEHICLE MILES TRAVELED			
Analysis Geography	Scenario		Total VMT
Unincorporated El Dorado County	2018 Baseline	No Project	3,709,242
		Plus, Project	3,706,398
Difference (Plus Project – No Project)			-2,844
Threshold			No Increase
VMT Threshold Exceeded?			No
Unincorporated El Dorado County	2040 Baseline	No Project	5,398,900
		Plus Project	5,383,554
Difference (Plus Project – No Project)			-15,346
Threshold			No Increase
VMT Threshold Exceeded?			No

Source: Fehr & Peers, 2023

Other Considerations

Queuing Analysis of Drive-Through

This study uses service rate data and observed queues at Quick Quacks in the Sacramento region to forecast the maximum vehicle queues for the proposed Project.

This study uses a Poisson distribution model to represent random vehicle arrivals and the average service rate to calculate the extent of drive-through vehicle queues. This model uses a random arrival generator to model when vehicles would arrive within the analysis hour. Based on the average service rate, the model calculates when the vehicle would depart and subsequently tracks the length of the drive-through queue as vehicles arrive/depart over the analysis hour. The model includes a set of 100 iterations to provide a sufficient sample size for analysis. For example, the model may predict a maximum drive-through queue of 12 vehicles in one run, while another run using the same inputs may predict a maximum drive-through queue of 14 vehicles. By tallying the maximum drive-through vehicle queue across 100 iterations, this model reports the probability of certain vehicle queue events (i.e., X in 100).

Quick Quack representatives indicated that the average service rate of the automated car wash is one vehicle every 25 to 30 seconds, which is consistent with field observations conducted at Quick Quack Car Wash (1750 Cavitt Drive, Folsom, CA).

The peak hour trip generation from **Table 3** and service rate of 30 seconds and 60 seconds were input into the drive-through queue model to forecast the maximum drive-through queue for the proposed Project. **Table 6** presents the maximum drive-through queue length probability outputs of the model.

Based on the results presented in **Table 6**, the 95th percentile drive-through queue would be 5 vehicles. **Appendix C** presents observed queuing and the model run for the Project.

TABLE 6: MAXIMUM DRIVE-THROUGH QUEUE MODEL OUTPUTS – TYPICAL WEEKDAY

Maximum Drive-Through Queue Length ¹	Probability ²
30 Second Service Rate	
3	96 in 100 (96%)
4	41 in 100 (41%)
5	4 in 100 (4%)

Notes:

Uses a peak hour inbound demand of 55 vehicles and 30 seconds per vehicle for the average service rate as inputs.

1. Model reports the probability of a range of vehicle queue lengths. This table only shows the probability of a vehicle queue of 3 to 5 vehicles, as the probability for 2 or fewer vehicles occurring was 100 in 100 times; and 6 or greater vehicles was 0 in 100 times. In other words, the model predicts that the maximum drive-through queue during the peak hour is likely to be between 3 vehicles (96%) and 5 vehicles (4%) for a 30 second service rate.
2. Probability outputs from the drive-through queue model represents the likelihood of a drive-through queue length occurring based on a set of 100 iterations.

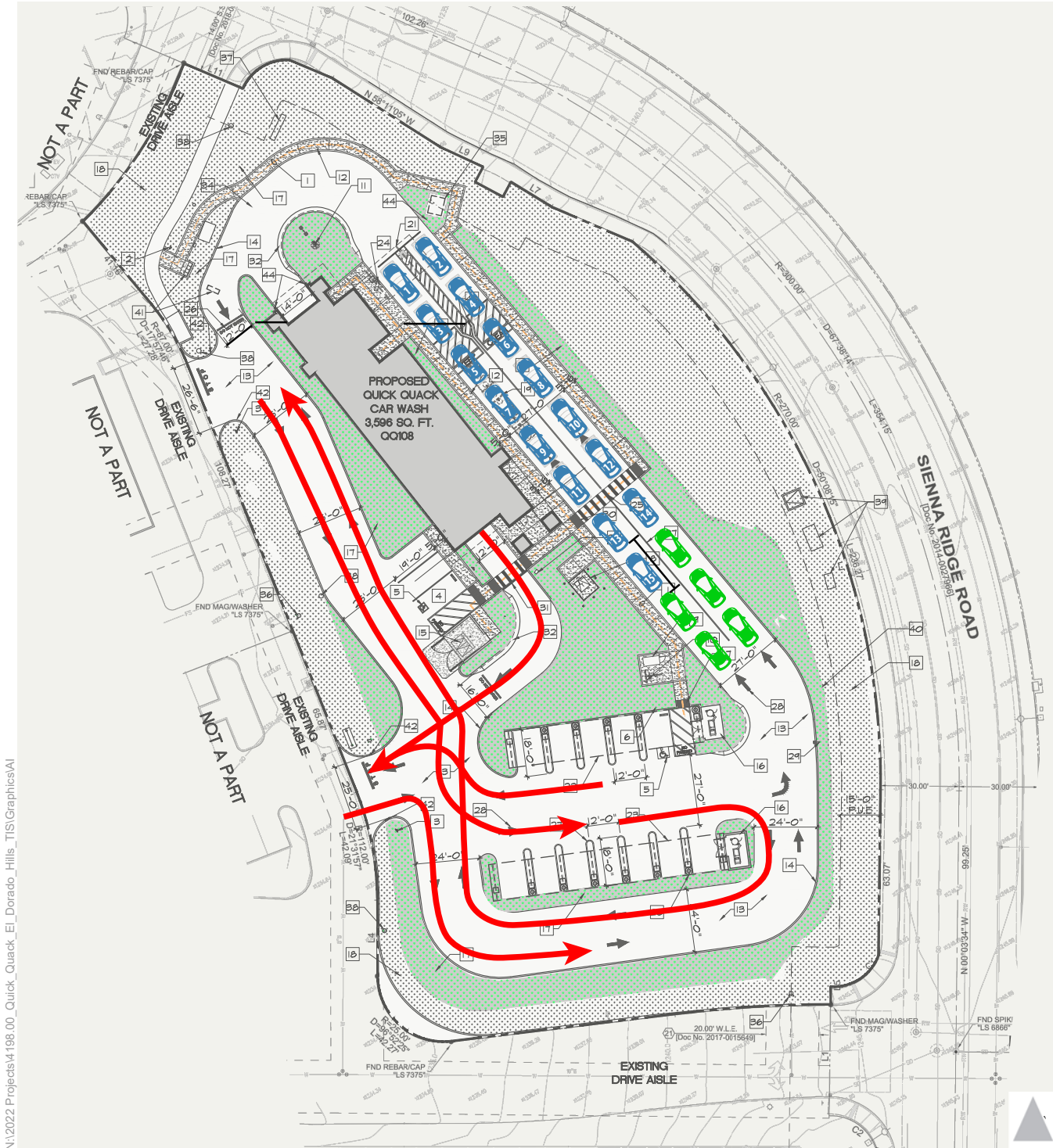
Source: Fehr & Peers, 2023

In addition, Friday evening peak period field observations and field observations were conducted at automated car wash locations in the Sacramento region for a Saturday midday peak period to assess on-site queueing and traffic demand at similar facilities. These field observations noted a maximum queue of 15 total vehicles waiting to pay at automated car wash facilities (i.e., five vehicles per lane for a three-lane pay queue).

Based on our review of the project site plan, the automated car wash would have two lanes approaching the point-of-sale area each with approximately 200 feet of storage space (i.e., about 400 feet total for both lanes). The maximum queue of 15 total vehicles would occupy approximately 300 to 375 feet (15 vehicles spaced 20 to 25 feet apart), which is within this available storage. **Figure 6** illustrates the 15 vehicle queue (blue vehicles) in the proposed drive-through. The drive-through has additional capacity to accommodate 5 more queued vehicles (green vehicles on **Figure 6**) before extending into the drive-through entry. Therefore, the project site plan provides sufficient queueing space to accommodate the typical weekday and maximum peak queue for the automated car wash entry.

Figure 6 also illustrates some of the potential conflicting turn movements at the southern entry to the Project. As the main entry, the driveway provides direct access to the drive-through entry and exit and the vacuum area. A bypass of the vacuum area is provided for arriving customers.

Improving the alignment of the driveway with the vacuum area drive aisle would reduce the abruptness of turn movements at the intersections and improve circulation. This could be achieved by modifying the orientation of the curb on the south side of the driveway and/or pulling the curb back to the south.



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Maximum Drive-Through Queue



Conflicting Movements at Southern Driveway



Additional Drive-Through Queue Capacity



Site Plan Provided by CRM Architects & Planners, Inc.

Figure 6
Quick Quack Full Queue Conditions

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High Accident Locations

Per the County's Annual Collision Location Study (2021), the County uses the following criteria for identifying locations on County maintained roads that may need corrective actions to address recent collision experience:

- Locations having three or more reported collisions within a tenth of a mile based on the most recent three-year period.
- Locations with two or more reported collisions within a tenth of a mile during the most recent analysis year.
- Locations with one or more reported collisions that resulted in a fatality, or two or more reported collisions involved a pedestrian, bicycle, or motorcycle within a quarter mile of the location.

Based on the criteria outlined above, Bass Lake Road north of US 50 (Mile Post 0.00-0.05) and near Serrano Parkway (Mile Post 1.53-1.63) were screened for evaluation. However, the County's analysis determined that these locations do not require further action due to low collision rates, low severity, collisions at random locations, or collisions not related to roadway conditions. The document states that the County will continue to monitor the sites and any subsequent increase in collision frequency may necessitate further review and analysis.

Driveway Throat Depth























Primary project access is provided through existing controlled intersections on Bronzewing Place and Luzon Way (i.e., study intersections 2, 3, and 4), which will operate acceptably with the addition of project traffic. As shown on **Figure 1**, two internal access driveways are located on an existing drive aisle that is parallel to Sienna Ridge Road and connects Bronzewing Place to the Luzon Way access intersection. The on-site circulation is designed to allow for generally unobstructed ingress with adequate storage for queued vehicles entering the car wash. Therefore, there is adequate distance between the internal access intersections and the primary access intersections that site access will not affect operations on Sienna Ridge Road and Bass Lake Road.

APPENDIX A

- Intersection Operations

HCM 6th Signalized Intersection Summary
1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Conditions
AM Peak Hour

												
Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (veh/h)	21	354	60	1	116	150	26	30	27	185	42	12
Future Volume (veh/h)	21	354	60	1	116	150	26	30	27	185	42	12
Initial Q (Qb), veh	0	0	0		0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00		1.00		1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No				No			No			No
Adj Sat Flow, veh/h/ln	1826	1826	1826		1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	24	402	68		132	170	30	34	31	210	48	14
Peak Hour Factor	0.88	0.88	0.88		0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	5	5	5		5	5	5	5	5	5	5	5
Cap, veh/h	76	512	434		202	630	534	320	37	252	166	86
Arrive On Green	0.04	0.28	0.28		0.12	0.34	0.34	0.18	0.18	0.18	0.10	0.10
Sat Flow, veh/h	1739	1826	1547		1739	1826	1547	1739	203	1372	1739	904
Grp Volume(v), veh/h	24	402	68		132	170	30	34	0	241	48	0
Grp Sat Flow(s),veh/h/ln	1739	1826	1547		1739	1826	1547	1739	0	1575	1739	0
Q Serve(g_s), s	0.8	12.5	2.0		4.5	4.2	0.8	1.0	0.0	9.1	1.6	0.0
Cycle Q Clear(g_c), s	0.8	12.5	2.0		4.5	4.2	0.8	1.0	0.0	9.1	1.6	0.0
Prop In Lane	1.00		1.00		1.00		1.00	1.00		0.87	1.00	
Lane Grp Cap(c), veh/h	76	512	434		202	630	534	320	0	290	166	0
V/C Ratio(X)	0.32	0.78	0.16		0.65	0.27	0.06	0.11	0.00	0.83	0.29	0.00
Avail Cap(c_a), veh/h	324	828	702		338	828	702	408	0	370	394	0
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00		1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	28.6	20.5	16.7		26.1	14.6	13.5	21.0	0.0	24.3	26.0	0.0
Incr Delay (d2), s/veh	0.9	3.8	0.2		1.3	0.3	0.1	0.1	0.0	9.8	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.3	5.0	0.6		1.7	1.4	0.2	0.4	0.0	3.9	0.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	29.5	24.3	17.0		27.4	14.9	13.6	21.0	0.0	34.1	26.3	0.0
LnGrp LOS	C	C	B		C	B	B	C	A	C	C	A
Approach Vol, veh/h		494				332			275			74
Approach Delay, s/veh		23.5				19.8			32.5			26.2
Approach LOS		C				B			C			C
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	11.8	23.0		16.0	7.8	27.0		11.0				
Change Period (Y+Rc), s	4.6	5.7		4.6	5.1	5.7		5.1				
Max Green Setting (Gmax), s	12.0	28.0		14.5	11.5	28.0		14.0				
Max Q Clear Time (g_c+I1), s	6.5	14.5		11.1	2.8	6.2		3.6				
Green Ext Time (p_c), s	0.0	2.8		0.3	0.0	1.2		0.1				

Intersection Summary												
HCM 6th Ctrl Delay											24.7	
HCM 6th LOS											C	

Notes
User approved pedestrian interval to be less than phase max green.
User approved ignoring U-Turning movement.

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Conditions
 AM Peak Hour

Movement	SBR
Lane Configurations	
Traffic Volume (veh/h)	11
Future Volume (veh/h)	11
Initial Q (Qb), veh	0
Ped-Bike Adj(A_pbT)	0.99
Parking Bus, Adj	1.00
Work Zone On Approach	
Adj Sat Flow, veh/h/ln	1826
Adj Flow Rate, veh/h	12
Peak Hour Factor	0.88
Percent Heavy Veh, %	5
Cap, veh/h	74
Arrive On Green	0.10
Sat Flow, veh/h	775
Grp Volume(v), veh/h	26
Grp Sat Flow(s),veh/h/ln	1679
Q Serve(g_s), s	0.9
Cycle Q Clear(g_c), s	0.9
Prop In Lane	0.46
Lane Grp Cap(c), veh/h	160
V/C Ratio(X)	0.16
Avail Cap(c_a), veh/h	381
HCM Platoon Ratio	1.00
Upstream Filter(I)	1.00
Uniform Delay (d), s/veh	25.7
Incr Delay (d2), s/veh	0.2
Initial Q Delay(d3),s/veh	0.0
%ile BackOfQ(50%),veh/ln	0.3
Unsig. Movement Delay, s/veh	
LnGrp Delay(d),s/veh	25.8
LnGrp LOS	C
Approach Vol, veh/h	
Approach Delay, s/veh	
Approach LOS	
Timer - Assigned Phs	

HCM 6th TWSC
2: Bass Lake Rd & Bronzewing PI

Existing Conditions
AM Peak Hour

Intersection						
Int Delay, s/veh	2.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↔		↑	↔	↔	↑
Traffic Vol, veh/h	51	22	413	35	49	142
Future Vol, veh/h	51	22	413	35	49	142
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	25	200	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	58	25	469	40	56	161

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	742	469	0
Stage 1	469	-	-
Stage 2	273	-	-
Critical Hdwy	6.45	6.25	-
Critical Hdwy Stg 1	5.45	-	-
Critical Hdwy Stg 2	5.45	-	-
Follow-up Hdwy	3.545	3.345	-
Pot Cap-1 Maneuver	379	588	-
Stage 1	623	-	-
Stage 2	766	-	-
Platoon blocked, %			-
Mov Cap-1 Maneuver	359	588	-
Mov Cap-2 Maneuver	359	-	-
Stage 1	623	-	-
Stage 2	725	-	-

Approach	WB	NB	SB
HCM Control Delay, s	16.1	0	2.2
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	407	1041
HCM Lane V/C Ratio	-	-	0.204	0.053
HCM Control Delay (s)	-	-	16.1	8.7
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	0.8	0.2

HCM 6th TWSC
3: Luzon Way & Sienna Ridge Rd

Existing Conditions
AM Peak Hour

Intersection												
Int Delay, s/veh	5.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗			↕			↕	
Traffic Vol, veh/h	82	43	63	0	74	0	31	4	1	0	3	137
Future Vol, veh/h	82	43	63	0	74	0	31	4	1	0	3	137
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	120	-	-	60	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	93	49	72	0	84	0	35	5	1	0	3	156

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	84	0	0	121	0	0	435	355	85	358	391	84
Stage 1	-	-	-	-	-	-	271	271	-	84	84	-
Stage 2	-	-	-	-	-	-	164	84	-	274	307	-
Critical Hdwy	4.15	-	-	4.15	-	-	7.15	6.55	6.25	7.15	6.55	6.25
Critical Hdwy Stg 1	-	-	-	-	-	-	6.15	5.55	-	6.15	5.55	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.15	5.55	-	6.15	5.55	-
Follow-up Hdwy	2.245	-	-	2.245	-	-	3.545	4.045	3.345	3.545	4.045	3.345
Pot Cap-1 Maneuver	1494	-	-	1448	-	0	526	566	966	592	540	967
Stage 1	-	-	-	-	-	0	728	680	-	917	819	-
Stage 2	-	-	-	-	-	0	831	819	-	726	656	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1494	-	-	1448	-	-	418	531	966	559	507	967
Mov Cap-2 Maneuver	-	-	-	-	-	-	418	531	-	559	507	-
Stage 1	-	-	-	-	-	-	683	638	-	860	819	-
Stage 2	-	-	-	-	-	-	694	819	-	675	615	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	3.3	0	14.1	9.6
HCM LOS			B	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	SBLn1
Capacity (veh/h)	435	1494	-	-	1448	-	949
HCM Lane V/C Ratio	0.094	0.062	-	-	-	-	0.168
HCM Control Delay (s)	14.1	7.6	-	-	0	-	9.6
HCM Lane LOS	B	A	-	-	A	-	A
HCM 95th %tile Q(veh)	0.3	0.2	-	-	0	-	0.6

HCM 6th TWSC
4: Sienna Ridge Rd & Bronzewing PI

Existing Conditions
AM Peak Hour

Intersection												
Int Delay, s/veh	0											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	8	2	0	0	6	66	0	0	0	41	0	3
Future Vol, veh/h	8	2	0	0	6	66	0	0	0	41	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	9	2	0	0	7	75	0	0	0	47	0	3

Major/Minor	Minor2	Minor1		Major1		Major2						
Conflicting Flow All	137	96	2	97	97	0	3	0	0	0	0	0
Stage 1	96	96	-	0	0	-	-	-	-	-	-	-
Stage 2	41	0	-	97	97	-	-	-	-	-	-	-
Critical Hdwy	7.15	6.55	6.25	7.15	6.55	6.25	4.15	-	-	4.15	-	-
Critical Hdwy Stg 1	6.15	5.55	-	6.15	5.55	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.15	5.55	-	6.15	5.55	-	-	-	-	-	-	-
Follow-up Hdwy	3.545	4.045	3.345	3.545	4.045	3.345	2.245	-	-	2.245	-	-
Pot Cap-1 Maneuver	827	788	1073	878	787	-	1600	-	-	-	-	-
Stage 1	903	810	-	-	-	-	-	-	-	-	-	-
Stage 2	966	-	-	902	809	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	788	1073	876	787	-	1600	-	-	-	-	-
Mov Cap-2 Maneuver	-	788	-	876	787	-	-	-	-	-	-	-
Stage 1	903	810	-	-	-	-	-	-	-	-	-	-
Stage 2	966	-	-	899	809	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0			
HCM LOS	-			

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1600	-	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	-	-	-
HCM Lane LOS	A	-	-	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-	-	-

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Conditions
 PM Peak Hour

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (veh/h)	2	59	308	54	2	206	427	25	60	74	154	30
Future Volume (veh/h)	2	59	308	54	2	206	427	25	60	74	154	30
Initial Q (Qb), veh		0	0	0		0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00		0.98		1.00		1.00	1.00		1.00	1.00
Parking Bus, Adj		1.00	1.00	1.00		1.00	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		1885	1885	1885		1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h		63	328	57		219	454	27	64	79	164	32
Peak Hour Factor		0.94	0.94	0.94		0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %		1	1	1		1	1	1	1	1	1	1
Cap, veh/h		152	459	381		264	562	476	316	96	200	210
Arrive On Green		0.08	0.24	0.24		0.15	0.30	0.30	0.18	0.18	0.18	0.12
Sat Flow, veh/h		1795	1885	1563		1795	1885	1598	1795	546	1134	1795
Grp Volume(v), veh/h		63	328	57		219	454	27	64	0	243	32
Grp Sat Flow(s),veh/h/ln		1795	1885	1563		1795	1885	1598	1795	0	1681	1795
Q Serve(g_s), s		2.1	10.1	1.8		7.5	14.1	0.8	1.9	0.0	8.8	1.0
Cycle Q Clear(g_c), s		2.1	10.1	1.8		7.5	14.1	0.8	1.9	0.0	8.8	1.0
Prop In Lane		1.00		1.00		1.00		1.00	1.00		0.67	1.00
Lane Grp Cap(c), veh/h		152	459	381		264	562	476	316	0	296	210
V/C Ratio(X)		0.41	0.71	0.15		0.83	0.81	0.06	0.20	0.00	0.82	0.15
Avail Cap(c_a), veh/h		326	834	692		341	834	707	412	0	385	397
HCM Platoon Ratio		1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)		1.00	1.00	1.00		1.00	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh		27.5	21.9	18.8		26.2	20.5	15.8	22.3	0.0	25.1	25.1
Incr Delay (d2), s/veh		0.7	3.0	0.3		10.0	4.7	0.1	0.1	0.0	8.2	0.1
Initial Q Delay(d3),s/veh		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln		0.8	4.1	0.6		3.5	5.8	0.2	0.8	0.0	3.9	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh		28.1	24.9	19.0		36.2	25.2	15.9	22.4	0.0	33.3	25.2
LnGrp LOS		C	C	B		D	C	B	C	A	C	C
Approach Vol, veh/h			448				700			307		
Approach Delay, s/veh			24.6				28.3			31.0		
Approach LOS			C				C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	13.9	21.1		15.7	10.5	24.6		12.5				
Change Period (Y+Rc), s	4.6	5.7		4.6	5.1	5.7		5.1				
Max Green Setting (Gmax), s	12.0	28.0		14.5	11.5	28.0		14.0				
Max Q Clear Time (g_c+I1), s	9.5	12.1		10.8	4.1	16.1		6.1				
Green Ext Time (p_c), s	0.0	2.4		0.4	0.0	2.8		0.2				

Intersection Summary												
HCM 6th Ctrl Delay			27.6									
HCM 6th LOS			C									

Notes
 User approved pedestrian interval to be less than phase max green.
 User approved ignoring U-Turning movement.

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Conditions
 PM Peak Hour

Movement	SBT	SBR
Lane Configurations	↓	↙
Traffic Volume (veh/h)	45	64
Future Volume (veh/h)	45	64
Initial Q (Qb), veh	0	0
Ped-Bike Adj(A_pbT)		1.00
Parking Bus, Adj	1.00	1.00
Work Zone On Approach	No	
Adj Sat Flow, veh/h/ln	1885	1885
Adj Flow Rate, veh/h	48	68
Peak Hour Factor	0.94	0.94
Percent Heavy Veh, %	1	1
Cap, veh/h	83	117
Arrive On Green	0.12	0.12
Sat Flow, veh/h	706	1000
Grp Volume(v), veh/h	0	116
Grp Sat Flow(s),veh/h/ln	0	1705
Q Serve(g_s), s	0.0	4.1
Cycle Q Clear(g_c), s	0.0	4.1
Prop In Lane		0.59
Lane Grp Cap(c), veh/h	0	200
V/C Ratio(X)	0.00	0.58
Avail Cap(c_a), veh/h	0	377
HCM Platoon Ratio	1.00	1.00
Upstream Filter(l)	0.00	1.00
Uniform Delay (d), s/veh	0.0	26.5
Incr Delay (d2), s/veh	0.0	1.0
Initial Q Delay(d3),s/veh	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.5
Unsig. Movement Delay, s/veh		
LnGrp Delay(d),s/veh	0.0	27.5
LnGrp LOS	A	C
Approach Vol, veh/h	148	
Approach Delay, s/veh	27.0	
Approach LOS	C	
Timer - Assigned Phs		

HCM 6th TWSC
2: Bass Lake Rd & Bronzewing PI

Existing Conditions
PM Peak Hour

Intersection						
Int Delay, s/veh	2.5					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↔		↑	↗	↘	↑
Traffic Vol, veh/h	64	51	372	77	46	507
Future Vol, veh/h	64	51	372	77	46	507
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	25	200	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	1	1	1	1	1	1
Mvmt Flow	68	54	396	82	49	539

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1033	396	0	0	478
Stage 1	396	-	-	-	-
Stage 2	637	-	-	-	-
Critical Hdwy	6.41	6.21	-	-	4.11
Critical Hdwy Stg 1	5.41	-	-	-	-
Critical Hdwy Stg 2	5.41	-	-	-	-
Follow-up Hdwy	3.509	3.309	-	-	2.209
Pot Cap-1 Maneuver	259	656	-	-	1090
Stage 1	682	-	-	-	-
Stage 2	529	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	247	656	-	-	1090
Mov Cap-2 Maneuver	247	-	-	-	-
Stage 1	682	-	-	-	-
Stage 2	505	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	21.3	0	0.7
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	341	1090
HCM Lane V/C Ratio	-	-	0.359	0.045
HCM Control Delay (s)	-	-	21.3	8.5
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	1.6	0.1

HCM 6th TWSC
3: Luzon Way & Sienna Ridge Rd

Existing Conditions
PM Peak Hour

Intersection												
Int Delay, s/veh	6.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	111	56	138	2	60	0	120	4	2	0	2	108
Future Vol, veh/h	111	56	138	2	60	0	120	4	2	0	2	108
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	120	-	-	60	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	1	1	1	1	1	1	1	1	1	1	1	1
Mvmt Flow	118	60	147	2	64	0	128	4	2	0	2	115

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	64	0	0	207	0	0	497	438	134	441	64	64
Stage 1	-	-	-	-	-	-	370	370	-	68	68	-
Stage 2	-	-	-	-	-	-	127	68	-	373	443	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.11	6.51	6.21	7.11	6.51	6.21
Critical Hdwy Stg 1	-	-	-	-	-	-	6.11	5.51	-	6.11	5.51	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.11	5.51	-	6.11	5.51	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.509	4.009	3.309	3.509	4.009	3.309
Pot Cap-1 Maneuver	1545	-	-	1370	-	0	485	514	918	528	467	1003
Stage 1	-	-	-	-	-	0	652	622	-	945	840	-
Stage 2	-	-	-	-	-	0	879	840	-	650	577	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1545	-	-	1370	-	-	403	474	918	492	431	1003
Mov Cap-2 Maneuver	-	-	-	-	-	-	403	474	-	492	431	-
Stage 1	-	-	-	-	-	-	602	575	-	873	839	-
Stage 2	-	-	-	-	-	-	775	839	-	595	533	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2.7	0.2	18	9.2
HCM LOS			C	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	SBLn1
Capacity (veh/h)	409	1545	-	-	1370	-	979
HCM Lane V/C Ratio	0.328	0.076	-	-	0.002	-	0.12
HCM Control Delay (s)	18	7.5	-	-	7.6	-	9.2
HCM Lane LOS	C	A	-	-	A	-	A
HCM 95th %tile Q(veh)	1.4	0.2	-	-	0	-	0.4

HCM 6th TWSC
4: Sienna Ridge Rd & Bronzewing Pl

Existing Conditions
PM Peak Hour

Intersection												
Int Delay, s/veh	0											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	8	3	1	0	0	54	0	0	0	55	0	3
Future Vol, veh/h	8	3	1	0	0	54	0	0	0	55	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	1	1	1	1	1	1	1	1	1	1	1	1
Mvmt Flow	9	3	1	0	0	57	0	0	0	59	0	3

Major/Minor	Minor2		Minor1		Major1		Major2				
Conflicting Flow All	149	120	2	122	121	0	3	0	0	0	0
Stage 1	120	120	-	0	0	-	-	-	-	-	-
Stage 2	29	0	-	122	121	-	-	-	-	-	-
Critical Hdwy	7.11	6.51	6.21	7.11	6.51	6.21	4.11	-	-	4.11	-
Critical Hdwy Stg 1	6.11	5.51	-	6.11	5.51	-	-	-	-	-	-
Critical Hdwy Stg 2	6.11	5.51	-	6.11	5.51	-	-	-	-	-	-
Follow-up Hdwy	3.509	4.009	3.309	3.509	4.009	3.309	2.209	-	-	2.209	-
Pot Cap-1 Maneuver	821	772	1085	855	771	-	1626	-	-	-	-
Stage 1	887	798	-	-	-	-	-	-	-	-	-
Stage 2	991	-	-	885	798	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	772	1085	852	771	-	1626	-	-	-	-
Mov Cap-2 Maneuver	-	772	-	852	771	-	-	-	-	-	-
Stage 1	887	798	-	-	-	-	-	-	-	-	-
Stage 2	991	-	-	881	798	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	0							
HCM LOS	-							
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WB Ln1	SBL	SBT	SBR
Capacity (veh/h)	1626	-	-	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	-	-	-	-
HCM Lane LOS	A	-	-	-	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-	-	-	-

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Plus Project Conditions

AM Peak Hour

Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT
Lane Configurations												
Traffic Volume (veh/h)	22	362	70	1	138	157	26	41	29	200	42	14
Future Volume (veh/h)	22	362	70	1	138	157	26	41	29	200	42	14
Initial Q (Qb), veh	0	0	0		0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00		1.00		1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No				No			No			No
Adj Sat Flow, veh/h/ln	1826	1826	1826		1826	1826	1826	1826	1826	1826	1826	1826
Adj Flow Rate, veh/h	25	411	80		157	178	30	47	33	227	48	16
Peak Hour Factor	0.88	0.88	0.88		0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	5	5	5		5	5	5	5	5	5	5	5
Cap, veh/h	78	517	438		203	634	537	337	39	267	166	86
Arrive On Green	0.04	0.28	0.28		0.12	0.35	0.35	0.19	0.19	0.19	0.10	0.10
Sat Flow, veh/h	1739	1826	1547		1739	1826	1547	1739	200	1374	1739	895
Grp Volume(v), veh/h	25	411	80		157	178	30	47	0	260	48	0
Grp Sat Flow(s),veh/h/ln	1739	1826	1547		1739	1826	1547	1739	0	1574	1739	0
Q Serve(g_s), s	0.9	13.4	2.5		5.6	4.5	0.8	1.4	0.0	10.3	1.7	0.0
Cycle Q Clear(g_c), s	0.9	13.4	2.5		5.6	4.5	0.8	1.4	0.0	10.3	1.7	0.0
Prop In Lane	1.00		1.00		1.00		1.00	1.00		0.87	1.00	
Lane Grp Cap(c), veh/h	78	517	438		203	634	537	337	0	305	166	0
V/C Ratio(X)	0.32	0.80	0.18		0.77	0.28	0.06	0.14	0.00	0.85	0.29	0.00
Avail Cap(c_a), veh/h	311	794	673		324	794	673	392	0	355	378	0
HCM Platoon Ratio	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00		1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00
Uniform Delay (d), s/veh	29.8	21.4	17.5		27.6	15.2	14.0	21.5	0.0	25.1	27.1	0.0
Incr Delay (d2), s/veh	0.9	4.3	0.3		2.4	0.3	0.1	0.1	0.0	14.2	0.4	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	5.4	0.8		2.2	1.6	0.3	0.6	0.0	4.7	0.6	0.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	30.7	25.7	17.7		30.0	15.5	14.1	21.6	0.0	39.2	27.4	0.0
LnGrp LOS	C	C	B		C	B	B	C	A	D	C	A
Approach Vol, veh/h		516				365			307			78
Approach Delay, s/veh		24.7				21.6			36.5			27.3
Approach LOS		C				C			D			C
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	12.1	23.9		17.1	8.0	28.0		11.3				
Change Period (Y+Rc), s	4.6	5.7		4.6	5.1	5.7		5.1				
Max Green Setting (Gmax), s	12.0	28.0		14.5	11.5	28.0		14.0				
Max Q Clear Time (g_c+I1), s	7.6	15.4		12.3	2.9	6.5		3.7				
Green Ext Time (p_c), s	0.0	2.8		0.3	0.0	1.3		0.1				

Intersection Summary

HCM 6th Ctrl Delay 26.8

HCM 6th LOS C

Notes

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

User approved ignoring U-Turning movement.

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Plus Project Conditions
 AM Peak Hour



Movement	SBR
Lane Configurations	
Traffic Volume (veh/h)	12
Future Volume (veh/h)	12
Initial Q (Qb), veh	0
Ped-Bike Adj(A_pbT)	0.99
Parking Bus, Adj	1.00
Work Zone On Approach	
Adj Sat Flow, veh/h/ln	1826
Adj Flow Rate, veh/h	14
Peak Hour Factor	0.88
Percent Heavy Veh, %	5
Cap, veh/h	75
Arrive On Green	0.10
Sat Flow, veh/h	783
Grp Volume(v), veh/h	30
Grp Sat Flow(s),veh/h/ln	1677
Q Serve(g_s), s	1.1
Cycle Q Clear(g_c), s	1.1
Prop In Lane	0.47
Lane Grp Cap(c), veh/h	161
V/C Ratio(X)	0.19
Avail Cap(c_a), veh/h	365
HCM Platoon Ratio	1.00
Upstream Filter(l)	1.00
Uniform Delay (d), s/veh	26.8
Incr Delay (d2), s/veh	0.2
Initial Q Delay(d3),s/veh	0.0
%ile BackOfQ(50%),veh/ln	0.4
Unsig. Movement Delay, s/veh	
LnGrp Delay(d),s/veh	27.0
LnGrp LOS	C
Approach Vol, veh/h	
Approach Delay, s/veh	
Approach LOS	
Timer - Assigned Phs	

Intersection						
Int Delay, s/veh	2.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	Y		↑	↑	↓	↑
Traffic Vol, veh/h	61	34	427	40	57	153
Future Vol, veh/h	61	34	427	40	57	153
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	25	200	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	5	5	5	5	5	5
Mvmt Flow	69	39	485	45	65	174

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	789	485	0	0	530
Stage 1	485	-	-	-	-
Stage 2	304	-	-	-	-
Critical Hdwy	6.45	6.25	-	-	4.15
Critical Hdwy Stg 1	5.45	-	-	-	-
Critical Hdwy Stg 2	5.45	-	-	-	-
Follow-up Hdwy	3.545	3.345	-	-	2.245
Pot Cap-1 Maneuver	355	576	-	-	1022
Stage 1	613	-	-	-	-
Stage 2	742	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	332	576	-	-	1022
Mov Cap-2 Maneuver	332	-	-	-	-
Stage 1	613	-	-	-	-
Stage 2	695	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	17.7	0	2.4
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	391	1022
HCM Lane V/C Ratio	-	-	0.276	0.063
HCM Control Delay (s)	-	-	17.7	8.8
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	1.1	0.2

HCM 6th TWSC
3: Luzon Way & Sienna Ridge Rd

Existing Plus Project Conditions
AM Peak Hour

Intersection												
Int Delay, s/veh	5.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	81	48	93	0	81	0	53	6	1	0	5	136
Future Vol, veh/h	81	48	93	0	81	0	53	6	1	0	5	136
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	120	-	-	60	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	92	55	106	0	92	0	60	7	1	0	6	155

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	92	0	0	161	0	0	465	384	108	388	437	92
Stage 1	-	-	-	-	-	-	292	292	-	92	92	-
Stage 2	-	-	-	-	-	-	173	92	-	296	345	-
Critical Hdwy	4.15	-	-	4.15	-	-	7.15	6.55	6.25	7.15	6.55	6.25
Critical Hdwy Stg 1	-	-	-	-	-	-	6.15	5.55	-	6.15	5.55	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.15	5.55	-	6.15	5.55	-
Follow-up Hdwy	2.245	-	-	2.245	-	-	3.545	4.045	3.345	3.545	4.045	3.345
Pot Cap-1 Maneuver	1484	-	-	1400	-	0	503	545	938	565	509	957
Stage 1	-	-	-	-	-	0	710	666	-	908	813	-
Stage 2	-	-	-	-	-	0	822	813	-	706	631	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1484	-	-	1400	-	-	398	511	938	532	477	957
Mov Cap-2 Maneuver	-	-	-	-	-	-	398	511	-	532	477	-
Stage 1	-	-	-	-	-	-	666	625	-	852	813	-
Stage 2	-	-	-	-	-	-	684	813	-	654	592	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	2.8			0			15.5			9.7		
HCM LOS							C			A		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	SBLn1
Capacity (veh/h)	411	1484	-	-	1400	-	924
HCM Lane V/C Ratio	0.166	0.062	-	-	-	-	0.173
HCM Control Delay (s)	15.5	7.6	-	-	0	-	9.7
HCM Lane LOS	C	A	-	-	A	-	A
HCM 95th %tile Q(veh)	0.6	0.2	-	-	0	-	0.6

Intersection												
Int Delay, s/veh	0											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	15	4	0	0	7	66	0	0	0	41	0	8
Future Vol, veh/h	15	4	0	0	7	66	0	0	0	41	0	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	5	5	5	5	5	5	5	5	5	5	5	5
Mvmt Flow	17	5	0	0	8	75	0	0	0	47	0	9

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	141	99	5	101	103	0	9	0	0	0	0	0
Stage 1	99	99	-	0	0	-	-	-	-	-	-	-
Stage 2	42	0	-	101	103	-	-	-	-	-	-	-
Critical Hdwy	7.15	6.55	6.25	7.15	6.55	6.25	4.15	-	-	4.15	-	-
Critical Hdwy Stg 1	6.15	5.55	-	6.15	5.55	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.15	5.55	-	6.15	5.55	-	-	-	-	-	-	-
Follow-up Hdwy	3.545	4.045	3.345	3.545	4.045	3.345	2.245	-	-	2.245	-	-
Pot Cap-1 Maneuver	822	785	1069	873	781	-	1591	-	-	-	-	-
Stage 1	900	807	-	-	-	-	-	-	-	-	-	-
Stage 2	965	-	-	898	804	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	785	1069	870	781	-	1591	-	-	-	-	-
Mov Cap-2 Maneuver	-	785	-	870	781	-	-	-	-	-	-	-
Stage 1	900	807	-	-	-	-	-	-	-	-	-	-
Stage 2	965	-	-	893	804	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0			
HCM LOS	-			

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1591	-	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	-	-	-
HCM Lane LOS	A	-	-	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-	-	-

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Plus Project Conditions
 PM Peak Hour

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBL	NBT	NBR	SBL
Lane Configurations												
Traffic Volume (veh/h)	2	60	316	66	2	228	431	25	73	81	168	30
Future Volume (veh/h)	2	60	316	66	2	228	431	25	73	81	168	30
Initial Q (Qb), veh		0	0	0		0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)		1.00		0.98		1.00		1.00	1.00		1.00	1.00
Parking Bus, Adj		1.00	1.00	1.00		1.00	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		1885	1885	1885		1885	1885	1885	1885	1885	1885	1885
Adj Flow Rate, veh/h		64	336	70		243	459	27	78	86	179	32
Peak Hour Factor		0.94	0.94	0.94		0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %		1	1	1		1	1	1	1	1	1	1
Cap, veh/h		151	441	365		288	570	483	336	102	212	205
Arrive On Green		0.08	0.23	0.23		0.16	0.30	0.30	0.19	0.19	0.19	0.11
Sat Flow, veh/h		1795	1885	1563		1795	1885	1598	1795	545	1135	1795
Grp Volume(v), veh/h		64	336	70		243	459	27	78	0	265	32
Grp Sat Flow(s),veh/h/ln		1795	1885	1563		1795	1885	1598	1795	0	1681	1795
Q Serve(g_s), s		2.2	10.9	2.4		8.6	14.7	0.8	2.4	0.0	10.0	1.1
Cycle Q Clear(g_c), s		2.2	10.9	2.4		8.6	14.7	0.8	2.4	0.0	10.0	1.1
Prop In Lane		1.00		1.00		1.00		1.00	1.00		0.68	1.00
Lane Grp Cap(c), veh/h		151	441	365		288	570	483	336	0	314	205
V/C Ratio(X)		0.42	0.76	0.19		0.84	0.80	0.06	0.23	0.00	0.84	0.16
Avail Cap(c_a), veh/h		315	804	667		328	804	681	397	0	371	383
HCM Platoon Ratio		1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)		1.00	1.00	1.00		1.00	1.00	1.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh		28.6	23.5	20.2		26.8	21.1	16.2	22.7	0.0	25.8	26.2
Incr Delay (d2), s/veh		0.7	3.9	0.4		14.7	5.0	0.1	0.1	0.0	12.4	0.1
Initial Q Delay(d3),s/veh		0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln		0.9	4.6	0.8		4.4	6.2	0.3	1.0	0.0	4.8	0.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh		29.3	27.3	20.5		41.5	26.1	16.3	22.8	0.0	38.2	26.3
LnGrp LOS		C	C	C		D	C	B	C	A	D	C
Approach Vol, veh/h			470				729			343		
Approach Delay, s/veh			26.6				30.9			34.7		
Approach LOS			C				C			C		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	15.1	21.0		16.9	10.6	25.6		12.6				
Change Period (Y+Rc), s	4.6	5.7		4.6	5.1	5.7		5.1				
Max Green Setting (Gmax), s	12.0	28.0		14.5	11.5	28.0		14.0				
Max Q Clear Time (g_c+I1), s	10.6	12.9		12.0	4.2	16.7		6.4				
Green Ext Time (p_c), s	0.0	2.4		0.3	0.0	2.7		0.2				

Intersection Summary

HCM 6th Ctrl Delay	30.2
HCM 6th LOS	C

Notes

User approved pedestrian interval to be less than phase max green.
 User approved ignoring U-Turning movement.

HCM 6th Signalized Intersection Summary
 1: Sienna Ridge Rd/Serrano Pkwy & Bass Lake Rd

Existing Plus Project Conditions
 PM Peak Hour



Movement	SBT	SBR
Lane Configurations		
Traffic Volume (veh/h)	50	64
Future Volume (veh/h)	50	64
Initial Q (Qb), veh	0	0
Ped-Bike Adj(A_pbT)		1.00
Parking Bus, Adj	1.00	1.00
Work Zone On Approach	No	
Adj Sat Flow, veh/h/ln	1885	1885
Adj Flow Rate, veh/h	53	68
Peak Hour Factor	0.94	0.94
Percent Heavy Veh, %	1	1
Cap, veh/h	86	110
Arrive On Green	0.11	0.11
Sat Flow, veh/h	750	962
Grp Volume(v), veh/h	0	121
Grp Sat Flow(s),veh/h/ln	0	1712
Q Serve(g_s), s	0.0	4.4
Cycle Q Clear(g_c), s	0.0	4.4
Prop In Lane		0.56
Lane Grp Cap(c), veh/h	0	196
V/C Ratio(X)	0.00	0.62
Avail Cap(c_a), veh/h	0	365
HCM Platoon Ratio	1.00	1.00
Upstream Filter(l)	0.00	1.00
Uniform Delay (d), s/veh	0.0	27.7
Incr Delay (d2), s/veh	0.0	1.2
Initial Q Delay(d3),s/veh	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.7
Unsig. Movement Delay, s/veh		
LnGrp Delay(d),s/veh	0.0	28.9
LnGrp LOS	A	C
Approach Vol, veh/h	153	
Approach Delay, s/veh	28.4	
Approach LOS	C	
Timer - Assigned Phs		

Intersection						
Int Delay, s/veh	3					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↘↘		↑	↗	↘	↑
Traffic Vol, veh/h	69	63	388	83	51	519
Future Vol, veh/h	69	63	388	83	51	519
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	25	200	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	1	1	1	1	1	1
Mvmt Flow	73	67	413	88	54	552

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1073	413	0	0	501
Stage 1	413	-	-	-	-
Stage 2	660	-	-	-	-
Critical Hdwy	6.41	6.21	-	-	4.11
Critical Hdwy Stg 1	5.41	-	-	-	-
Critical Hdwy Stg 2	5.41	-	-	-	-
Follow-up Hdwy	3.509	3.309	-	-	2.209
Pot Cap-1 Maneuver	245	641	-	-	1068
Stage 1	670	-	-	-	-
Stage 2	516	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	233	641	-	-	1068
Mov Cap-2 Maneuver	233	-	-	-	-
Stage 1	670	-	-	-	-
Stage 2	490	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	23.3	0	0.8
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	335	1068
HCM Lane V/C Ratio	-	-	0.419	0.051
HCM Control Delay (s)	-	-	23.3	8.6
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	2	0.2

Intersection												
Int Delay, s/veh	7.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	110	60	174	2	67	0	148	6	2	0	2	107
Future Vol, veh/h	110	60	174	2	67	0	148	6	2	0	2	107
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	120	-	-	60	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	1	1	1	1	1	1	1	1	1	1	1	1
Mvmt Flow	117	64	185	2	71	0	157	6	2	0	2	114

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	71	0	0	249	0	0	524	466	157	470	558	71
Stage 1	-	-	-	-	-	-	391	391	-	75	75	-
Stage 2	-	-	-	-	-	-	133	75	-	395	483	-
Critical Hdwy	4.11	-	-	4.11	-	-	7.11	6.51	6.21	7.11	6.51	6.21
Critical Hdwy Stg 1	-	-	-	-	-	-	6.11	5.51	-	6.11	5.51	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.11	5.51	-	6.11	5.51	-
Follow-up Hdwy	2.209	-	-	2.209	-	-	3.509	4.009	3.309	3.509	4.009	3.309
Pot Cap-1 Maneuver	1536	-	-	1323	-	0	465	496	891	505	440	994
Stage 1	-	-	-	-	-	0	635	609	-	937	834	-
Stage 2	-	-	-	-	-	0	873	834	-	632	554	-
Platoon blocked, %		-	-		-							
Mov Cap-1 Maneuver	1536	-	-	1323	-	-	386	457	891	469	406	994
Mov Cap-2 Maneuver	-	-	-	-	-	-	386	457	-	469	406	-
Stage 1	-	-	-	-	-	-	587	563	-	866	832	-
Stage 2	-	-	-	-	-	-	770	832	-	576	512	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2.4	0.2	20.8	9.2
HCM LOS			C	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	SBLn1
Capacity (veh/h)	391	1536	-	-	1323	-	968
HCM Lane V/C Ratio	0.424	0.076	-	-	0.002	-	0.12
HCM Control Delay (s)	20.8	7.5	-	-	7.7	-	9.2
HCM Lane LOS	C	A	-	-	A	-	A
HCM 95th %tile Q(veh)	2.1	0.2	-	-	0	-	0.4

HCM 6th TWSC
4: Sienna Ridge Rd & Bronzewing PI

Existing Plus Project Conditions
PM Peak Hour

Intersection												
Int Delay, s/veh	0											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕			↕	
Traffic Vol, veh/h	15	4	1	0	0	54	0	0	0	55	0	7
Future Vol, veh/h	15	4	1	0	0	54	0	0	0	55	0	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	1	1	1	1	1	1	1	1	1	1	1	1
Mvmt Flow	16	4	1	0	0	57	0	0	0	59	0	7

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	151	122	4	124	125	0	7	0	0	0	0	0
Stage 1	122	122	-	0	0	-	-	-	-	-	-	-
Stage 2	29	0	-	124	125	-	-	-	-	-	-	-
Critical Hdwy	7.11	6.51	6.21	7.11	6.51	6.21	4.11	-	-	4.11	-	-
Critical Hdwy Stg 1	6.11	5.51	-	6.11	5.51	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.11	5.51	-	6.11	5.51	-	-	-	-	-	-	-
Follow-up Hdwy	3.509	4.009	3.309	3.509	4.009	3.309	2.209	-	-	2.209	-	-
Pot Cap-1 Maneuver	819	770	1082	853	767	-	1620	-	-	-	-	-
Stage 1	885	797	-	-	-	-	-	-	-	-	-	-
Stage 2	991	-	-	882	794	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	770	1082	849	767	-	1620	-	-	-	-	-
Mov Cap-2 Maneuver	-	770	-	849	767	-	-	-	-	-	-	-
Stage 1	885	797	-	-	-	-	-	-	-	-	-	-
Stage 2	991	-	-	876	794	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0			
HCM LOS	-			

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1620	-	-	-	-	-	-
HCM Lane V/C Ratio	-	-	-	-	-	-	-
HCM Control Delay (s)	0	-	-	-	-	-	-
HCM Lane LOS	A	-	-	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	-	-	-	-

APPENDIX B

- **VMT Calculation Methodology**
 - Intrazonal Trips and Trip Lengths
 - Gateway Trip Length Adjustments
 - Study Area Network Refinements
 - VMT TAZ Calculation

Vehicle Miles Traveled (VMT)

Consistent with Resolution 141-2020, VMT estimation was conducted using the El Dorado County Travel Demand Forecasting Model (EDCTDM). The VMT estimation process generates estimates in a manner that is consistent with OPRs Technical Advisory, and the selected VMT significance thresholds outlined above.

The following section from the Technical Advisory suggests that lead agencies should use VMT estimation methodologies that account for the “full extent of vehicle travel.”

Considerations for All Projects. Lead agencies should not truncate any VMT analysis because of jurisdictional or other boundaries, for example, by failing to count the portion of a trip that falls outside the jurisdiction or by discounting the VMT from a trip that crosses a jurisdictional boundary. CEQA requires environmental analyses to reflect a “good faith effort at full disclosure.” (CEQA Guidelines, § 15151.) Thus, where methodologies exist that can estimate the full extent of vehicle travel from a project, the lead agency should apply them to do so. Where those VMT effects will grow over time, analyses should consider both a project’s short-term and long-term effects on VMT.

To provide a full accounting of vehicle travel, the EDCTDM provides VMT estimates that include the VMT from intrazonal vehicle trips and trip length adjustments for the trips that enter or exit the area covered by the EDCTDM.

Intrazonal Trips and Trip Lengths

The VMT estimation process includes intrazonal trips in its estimates. Intrazonal trips are trips that have their origin and destination within the same traffic analysis zone (TAZ). Because these trips do not leave a TAZ, they are not assigned to the EDCTDM’s roadway network. Consequently, intrazonal trips cannot be directly derived from the EDCTDM’s network and must be estimated to provide a more complete VMT analysis. The intrazonal trip lengths are estimated by calculating half of the shortest travel distance between a given TAZ and all the other TAZs, using the EDCTDM’s midday assignment. The EDCTDM uses the following four assignment periods to develop a 24-hour travel assignment:

- AM3VS.NET – AM 3-Hour Assignment
- MDVS.NET – Midday 5-Hour Assignment
- P3V.NET – PM 3-Hour Assignment
- EVV.NET – Evening 13-Hour Assignment

The different assignment periods are used to account for the effect that congestion has on accessibility (i.e., the ability to travel between two locations). It typically takes longer to travel the same distance during peak periods than it does during other times of the day. The midday 5-hour assignment period is

used to calculate intrazonal travel because there is generally less traffic and less congestion (i.e., compared to the AM or PM peak periods) and is more representative of average daily conditions.

Gateway Trip Length Adjustments

The EDCTDM includes a buffer area that extends along Highway 50 from El Dorado County into eastern Sacramento County, including the City of Folsom and City of Rancho Cordova. **Figure 1** shows the model area, including the TAZs that represent El Dorado County (purple), the buffer area (yellow), and the state highway system. The buffer area allows for more detailed modeling of travel interaction between El Dorado County and eastern Sacramento County. However, even with the buffer area, adjustments to the length of trips passing through the EDCTDM's gateway locations are necessary to account for the full length of trips throughout California.

Table 1 summarizes the average trip lengths for trips entering (XI) and exiting (IX) the EDCTDM developed using the California Statewide Travel Demand Model (CSTDM). Although not as detailed as the EDCTDM, the CSTDM can summarize the general patterns of trips made by El Dorado County residents and employees entering and leaving the County throughout California. The CSTDM scale makes it a useful tool to generate trip length estimates for trips entering or leaving the EDCTDM coverage area.

Because of the sample size limitations with the California Household Travel Survey (CHTS) data (i.e., only 163 recorded trips), trip length adjustments from the CSTDM are used. The average additional travel distance from the CSTDM shown in **Table 1** indicates the additional lengths added to the trips that pass through the EDCTDM's gateway locations.

TABLE 1: AVERAGE TRIP LENGTH ADJUSTMENTS FOR EACH GATEWAY LOCATION

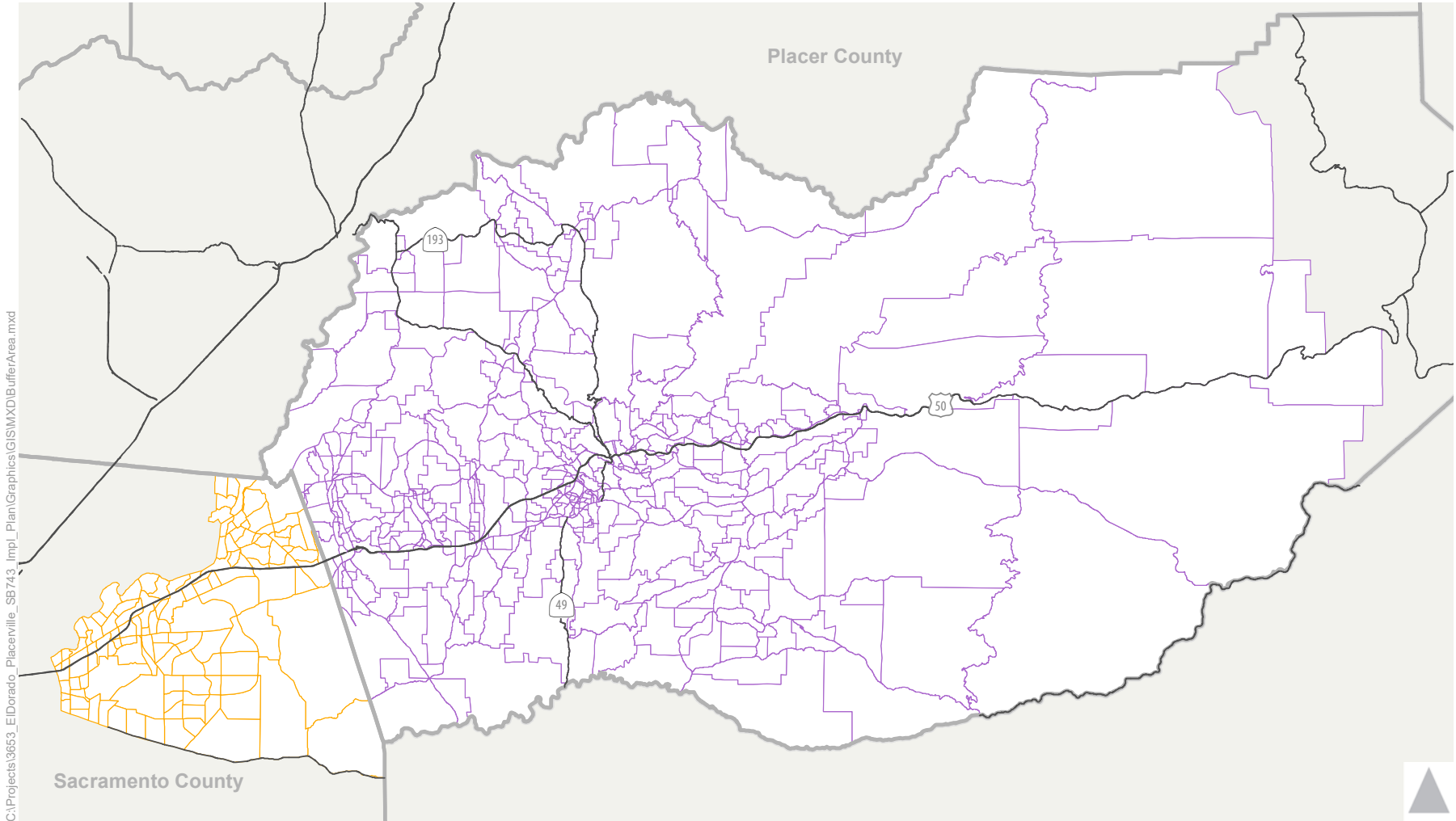
Gateway Location	Direction	Gateway Node ID	Average Additional Travel Distance (miles)	
			Internal to External (IX) Trips	External to Internal (XI) Trips
US 50	West	650	12.41	13.08
Dillard Road	South	651	4.11	3.96
Sloughhouse Road	South	652	0.00	0.00
Grant Line Rd/Sunrise Boulevard	South	653	31.33	20.39
Excelsior Road	South	654	11.07	10.38
Bradshaw Road	South	655	11.32	8.80
Mayhew Road	South	656	0.00	0.00
Jackson Road (SR 16)	West	657	6.91	6.40
Local Access between Bradshaw Road and Excelsior Road	South	658	0.00	0.00
Eagles Nest Road	South	659	0.00	0.00
Folsom Boulevard	West	660	7.73	7.19
Kiefer Boulevard	West	661	8.88	8.54
Sunrise Boulevard	North	662	5.47	6.14
Hazel Avenue	North	663	8.16	5.41
Folsom Auburn Road	North	664	10.17	12.66
Greenback Lane	West	665	5.43	5.17
Oak Avenue	West	666	6.97	7.44
SR 49	South	667	0.00	0.00
Jackson Road/Latrobe Road/SR 49/Omo Ranch Road	South	668	15.96	14.21
Jackson Road	South	669	0.00	0.00
Latrobe Road	South	670	0.00	0.00
SR 49	North	671	18.61	16.28
SR 88	East	672	0.00	0.00
N. South Rd	South	673	3.73	3.82
US 50	East	674	19.21	18.38

Notes:

Internal to External (IX) trips are trips that begin inside the El Dorado County model area and end outside.

External to Internal (XI) trips are trips that begin outside the El Dorado County model area and end inside.

Source: California Statewide Travel Demand Model



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- Traffic Analysis Zones (TAZs)
- TAZs within the County
 - Buffer Area
 - Regional Centerlines
 - SACOG Counties



Figure 1
El Dorado County Model (2018)
Traffic Analysis Zones within El Dorado County and the Buffer Area

Study Area Network Refinements

The EDCTDM is a countywide model developed and maintained by the County for traffic analysis related to the General Plan and Traffic Impact Fee Program. Consistent with these applications, the model includes major transportation facilities, including County arterials like El Dorado Hills Boulevard and State facilities like US 50, and a TAZ system that is at a corresponding level of detail. The EDCTDM does not include local and collector roadways. Therefore, the EDCTDM may require refinement for different applications.

The 2017 California Regional Transportation Plan Guidelines (CTC, January 2017) provides guidance on the application of travel demand models. Specifically, that travel demand models should be at an appropriate scale relative to the analysis being conducted. Consistent with this guidance, additional roadway network and TAZ detail was added in El Dorado Hills north of US 50, south of Green Valley Road, east of Sophia Parkway, and west of El Dorado Hills Boulevard to better reflect actual travel time and distance between El Dorado Hills and the City of Folsom. **Figure 2** compares the traffic analysis zone and roadway network detail with and without modification.

Without modification, the EDCTDM uses 4 TAZs to represent most of the land use in this area with local roadway access modeled using special model links, referred to as TAZ centroid connectors. TAZ centroid connectors provide access for the local development but not for other trips on the network. With this roadway network coding trip lengths are shorter for the land uses represented by the 4 TAZs.

The modified network increased the TAZ detail from 4 to 22 and added roadway links, instead of TAZ centroid connectors, for local access between El Dorado Hills and the City of Folsom in this area. The following public roadway connections were added between El Dorado Hills Boulevard and Sophia Parkway/Empire Ranch Road:

- North Connection: Brittany Way – Suffolk Way – Elmores Way
- North Central Connection: Olson Lane – Gillette Drive – Ridgeview Drive – Muse Drive – Mossridge Way – Powers Drive – Julie Ann Way – Beatty Drive – Alexandra Drive
- South Central Connection: Wilson Boulevard – Ridgeview Drive – Powers Drive – Montridge Way – Crestline Circle – Via Treviso – Via Barlogio – Hildebrand Circle – Woodhead Street
- South Connection: Wilson Boulevard (El Dorado Hills Boulevard to Saratoga Way)

Figure 2: EDCTDM Model Network Refinements

Without Modification

With Modification

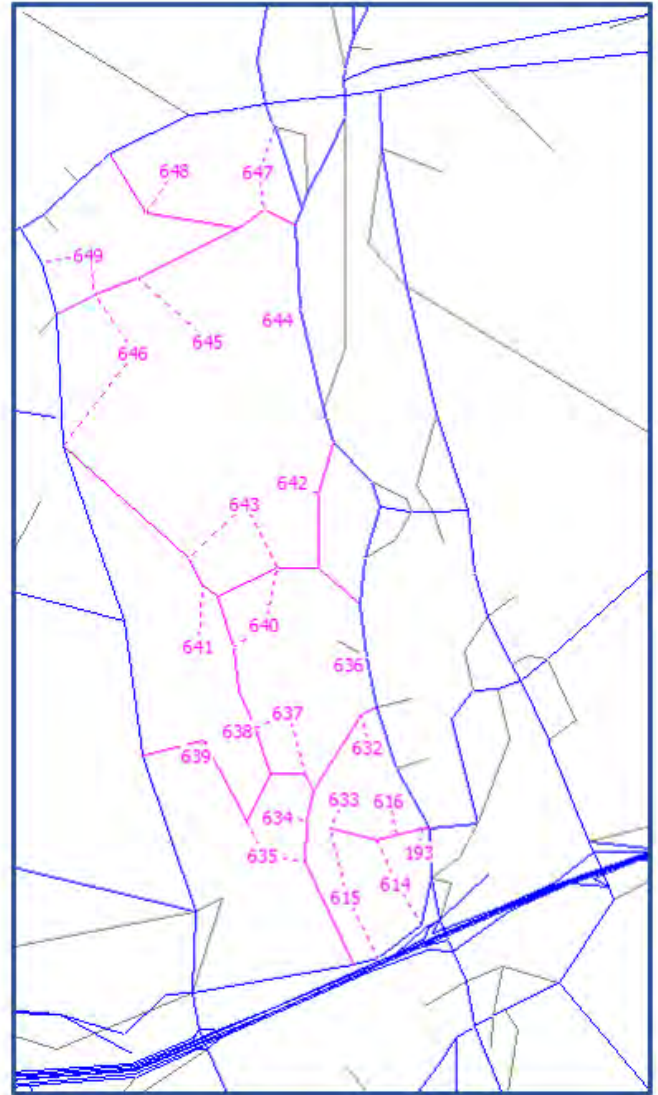


Table 2 compares the estimated travel time from the EDCTDM after modification to field measured travel times. As shown, the model's estimated travel time is consistent with and comparable to field measurements. Therefore, the model is appropriate for application and is more representative of actual travel times and distance than the EDCTDM prior to modification since the model did not include these connections.

TABLE 2: TRAVEL TIME COMPARISON (MODEL ESTIMATE VS FIELD MEASUREMENT)			
Added Roadway Connection	Travel Time (minutes)		
	Model Estimate	Field Measurement	Difference (Model – Field)
North	3.3	3.0	+0.3
North Central	5.2	5.1	+0.1
South Central	4.4	4.7	-0.3
South	2.5	2.7	-0.2

The TAZ and roadway network modifications shown in **Figure 2** were made to both the Base Year (2018) and Cumulative Year (2040) EDCTDMs. The modified models were used for the analysis of the proposed project to maintain analysis consistency.

Table 3 compares the VMT efficiency metrics for residential and commercial office land uses in unincorporated El Dorado County with and without the roadway network refinements outlined above and on **Figure 2**. As shown, the VMT efficiency metrics for both residential and commercial office land use increased with the network refinement. The direction and magnitude of the change is reasonable and in the correct direction relative to the network refinements made.

TABLE 3: VMT EFFICIENCY METRICS WITH NETWORK REFINEMENTS				
Land Use	VMT Efficiency Metrics (Unincorporated El Dorado County)			
	Without Refinements	With Refinements	Difference	VMT Threshold (With Refinements) ¹
2018				
Residential	22.5	22.7	+0.2	19.3
Commercial Office	12.8	13.0	+0.2	11.1
2040				
Residential	16.9	17.1	+0.2	14.5
Commercial Office	11.7	12.0	+0.3	10.2

Notes:

¹85% of Unincorporated El Dorado County VMT per Capita (Residential) and VMT per Employee (Commercial Office)

The following steps outline the method we used to forecast VMT under existing and cumulative conditions:

- Existing Conditions (2018) – For existing conditions (i.e., baseline conditions), the base year model land use and transportation network were used to estimate baseline (2018) average VMT per capita and average VMT per employee for unincorporated El Dorado County.

For existing plus project conditions, the project's land use was added to the model, increasing the base year population and employment. Project-generated average VMT per capita and VMT per employee were calculated.

- Cumulative Conditions (2040) – For cumulative conditions, the future year model was used to estimate cumulative (2040) average VMT per capita and average VMT per employee.

For cumulative plus project conditions, the project's land use was added to the model, increasing the cumulative year population and employment. Project-generated average VMT per capita and VMT per employee were calculated.

VMT Calculation for Each TAZ

VMT is estimated using a three-step process. In the first step, travel distance between each pair of TAZs for using the loaded networks for the four model time periods (AM Peak Period, Midday Period, PM Peak Period, and Evening Period). Using the loaded network accounts for any increases in trip distance that may result from traffic congestion. In this process, the additional trip lengths associated with the model gateways are added to the trip length estimates. The distance of intrazonal trips is estimated as outlined above.

The second step of the process calculates the VMT for travel between each TAZ pair. The number of vehicle trips modeled between each TAZ pair is multiplied by the trip lengths to estimate the VMT associated with the travel between each TAZ pair for each time period. The VMT from the intrazonal trips is also included in the VMT estimates.

The third step estimates the home-based and home-based work VMT. These estimates are calculated by determining the percentage of vehicle productions and attractions by trip purpose and direction (departures and returns). These percentages are then applied to the total VMT estimates, to determine the VMT by trip purpose and direction. The home-based VMT summarizes VMT by the origin TAZ. The home-based work VMT summarizes VMT by the destination TAZ. The use of home-based and home-based work VMT allows independent analysis of residential and commercial project components.

- **VMT Detail 2018 No Project**

VMT Summary by Jurisdiction - 2018 Baseline Scenario

Jurisdiction	VMT Estimates			VMT Efficiency Metrics			Population Details				
	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	297,564	69,579	90,039	20.9	10.6	11.8	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,709,242	3,079,065	431,376	21.9	22.6	12.9	55,055	136,108	33,354	169,462	2.47
229	15,065	536	2,593	59.7	22.1	11.4	9	24	228	252	2.69
Threshold (85% of Unincorporated El Dorado County)					19.2	11.0					

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,163	2,631	326	46	75	16	91	46.0
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,120	32,083	462	525	1,185	34	1,219	19.0
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,950	3,743	42	34	88	0	88	33.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,537	1,543	52	16	34	2	36	43.0
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,867	4,044	27	33	73	0	73	39.5
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,330	15,861	353	270	646	9	655	18.8
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,860	33,463	992	516	1,119	71	1,190	21.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,717	792	750	14	36	60	96	28.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,497	33,388	1,706	482	1,240	117	1,357	21.0
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,375	30,960	1,864	663	1,741	96	1,837	21.4
13.00	Outside of County	0	31,121	35,880	675	775	1,995	0	1,995	15.6
14.00	Outside of County	0	64,155	72,030	1,537	1,502	4,068	32	4,100	15.6
15.00	Outside of County	0	498	523	10	10	23	0	23	22.1
16.00	Outside of County	0	56,386	8,959	7,520	149	378	434	812	69.4
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,552	613	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	219	18	118	1	1	5	6	36.5
21.00	Outside of County	0	5,271	51	2,545	1	2	112	114	46.2
22.00	Outside of County	0	2,231	270	577	2	6	23	29	76.9
23.00	Outside of County	0	58,420	23,695	6,283	101	273	244	517	113.1
24.00	Outside of County	0	48	30	1	1	1	0	1	48.0
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,336	268	500	2	6	22	28	47.7
28.00	Outside of County	0	12,545	14,769	376	123	332	6	338	37.1
29.00	Outside of County	0	7,981	9,266	243	72	192	5	197	40.5
30.00	Outside of County	0	6,045	0	3,184	0	0	133	133	45.5
31.00	Outside of County	0	5,552	4,120	1,036	44	94	45	139	39.9
32.00	Outside of County	0	24,892	6,768	622	676	1,526	0	1,526	16.3
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,747	9,496	583	75	191	16	207	42.3
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,067	0	2,671	0	0	178	178	28.5
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,309	22,309	3,290	666	1,569	227	1,796	13.5
40.00	Outside of County	0	112,889	26,119	18,685	916	2,079	1,839	3,918	28.8
41.00	Outside of County	0	31,023	26,635	3,973	544	1,271	203	1,474	21.1
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,482	63,261	1,201	828	2,045	0	2,045	26.1
44.00	Outside of County	0	79,468	76,898	3,251	1,069	2,614	95	2,709	29.3
45.00	Outside of County	0	100,794	24,006	14,523	906	2,057	1,357	3,414	29.5
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	100,741	0	42,636	0	0	2,398	2,398	42.0
48.00	Outside of County	0	80,197	76,396	3,482	1,203	3,068	121	3,189	25.1
49.00	Outside of County	0	152,607	0	77,896	0	0	4,642	4,642	32.9
50.00	Outside of County	0	120,579	85,569	19,242	1,025	2,430	826	3,256	37.0
51.00	Outside of County	0	125,595	69,190	18,053	1,768	4,253	1,237	5,490	22.9
52.00	Outside of County	0	45,448	25,306	4,446	297	667	240	907	50.1
53.00	Outside of County	0	114,427	87,983	8,443	1,335	3,452	377	3,829	29.9
54.00	Outside of County	0	95,484	36,842	39,002	476	1,153	1,827	2,980	32.0
55.00	Outside of County	0	83,117	38,527	12,467	675	1,583	800	2,383	34.9
56.00	Outside of County	0	34,865	39,997	991	820	1,933	4	1,937	18.0
57.00	Outside of County	0	161,920	0	112,969	0	0	7,375	7,375	22.0
58.00	Outside of County	0	43,693	24,352	6,781	465	1,160	388	1,548	28.2
59.00	Outside of County	0	424	111	172	2	4	9	13	32.6
60.00	Outside of County	0	206,080	17,526	103,027	238	478	4,236	4,714	43.7
61.00	Outside of County	0	273,357	192,357	22,250	2,205	5,227	797	6,024	45.4

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
62.00	Outside of County	0	55,139	318	26,638	4	8	1,150	1,158	47.6
63.00	Outside of County	0	114,399	18,512	51,413	340	756	3,083	3,839	29.8
64.00	Outside of County	0	79,559	60,119	11,354	865	2,156	560	2,716	29.3
65.00	Outside of County	0	10,419	11,514	216	136	338	0	338	30.8
66.00	Outside of County	0	62,579	50,833	4,252	826	1,950	172	2,122	29.5
67.00	Outside of County	0	10,406	0	2,791	0	0	178	178	58.5
68.00	Outside of County	0	55,183	32,669	11,688	616	1,314	679	1,993	27.7
69.00	Outside of County	0	143,860	91,057	37,977	1,588	4,122	2,320	6,442	22.3
70.00	Outside of County	0	210,147	800	126,322	0	0	6,956	6,956	30.2
71.00	Outside of County	0	107,439	110,969	4,850	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	253,293	362	133,420	0	0	5,133	5,133	49.3
73.00	Outside of County	0	122,018	0	79,803	0	0	5,627	5,627	21.7
74.00	Outside of County	0	176,120	22,065	81,237	435	1,022	4,728	5,750	30.6
75.00	Outside of County	0	106,816	77,720	27,111	1,936	4,401	1,866	6,267	17.0
76.00	Outside of County	0	42,077	23,753	4,990	508	1,352	297	1,649	25.5
77.00	Outside of County	0	159,268	78,697	33,861	1,155	2,810	1,659	4,469	35.6
78.00	Outside of County	0	88,406	0	23,756	0	0	1,567	1,567	56.4
79.00	Outside of County	0	971	0	0	0	0	20	20	48.5
80.00	Outside of County	0	50,287	0	23,850	0	0	1,410	1,410	35.7
81.00	Outside of County	0	160,576	0	82,990	0	0	4,951	4,951	32.4
82.00	Outside of County	0	56,126	0	29,817	0	0	1,787	1,787	31.4
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	64,625	48,638	6,568	1,226	2,817	405	3,222	20.1
85.00	Outside of County	0	71,873	60,579	4,723	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	110,801	74,815	11,376	1,968	4,487	754	5,241	21.1
87.00	Outside of County	0	103,119	67,026	12,913	2,114	4,344	800	5,144	20.0
88.00	Outside of County	0	86,347	47,889	11,926	1,099	2,679	762	3,441	25.1
89.00	Outside of County	0	11,257	0	4,672	0	0	293	293	38.4
90.00	Outside of County	0	53,319	0	10,881	0	0	592	592	90.1
91.00	Outside of County	0	122,727	16,280	49,997	383	961	4,100	5,061	24.2
92.00	Outside of County	0	59,188	56,379	3,265	1,139	2,709	141	2,850	20.8
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	479	9	6	15	0	15	28.8
95.00	Outside of County	0	924	0	439	0	0	27	27	34.2
96.00	Outside of County	0	343	0	174	0	0	12	12	28.6
97.00	Outside of County	0	110	102	2	2	4	0	4	27.4
98.00	Outside of County	0	75,922	353	27,083	10	25	2,289	2,314	32.8
99.00	Outside of County	0	49,941	26,986	11,803	791	1,944	958	2,902	17.2
100.00	Outside of County	0	6,019	7,030	128	84	203	0	203	29.6
101.00	Outside of County	0	12,084	0	6,008	0	0	320	320	37.8
102.00	Outside of County	0	6,000	5,248	995	51	153	53	206	29.1
103.00	Outside of County	0	58,954	68,228	1,377	910	2,200	0	2,200	26.8
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,865	0	1,438	0	0	70	70	40.9
107.00	Outside of County	0	85,539	0	45,708	0	0	3,135	3,135	27.3
108.00	Outside of County	0	438	0	202	0	0	15	15	29.2
109.00	Outside of County	0	18,942	0	4,256	0	0	238	238	79.6
110.00	Outside of County	0	63,990	8,695	29,025	205	426	1,610	2,036	31.4
111.00	Outside of County	0	136,502	12,330	25,042	350	728	1,151	1,879	72.7
112.00	Outside of County	0	195,345	38,312	41,768	747	1,946	2,117	4,063	48.1
113.00	Outside of County	0	91,207	0	46,929	0	0	4,022	4,022	22.7
114.00	Outside of County	0	40,810	30,188	7,713	770	1,950	660	2,610	15.6
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	86,603	32,599	23,658	401	1,031	1,492	2,523	34.3
118.00	Outside of County	0	89,160	80,892	3,741	2,313	5,898	187	6,085	14.7
119.00	Outside of County	0	171,069	7,891	74,999	214	522	6,545	7,067	24.2
120.00	Outside of County	0	203,188	0	58,285	0	0	4,131	4,131	49.2
121.00	Outside of County	0	166,049	56,953	22,233	1,642	4,261	1,724	5,985	27.7
122.00	Outside of County	0	67,061	20,116	12,355	619	1,530	1,071	2,601	25.8

VTM Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
123.00	Outside of County	0	52,795	7,512	10,650	200	529	855	1,384	38.2
124.00	Outside of County	0	81,292	55,319	5,548	1,240	2,628	328	2,956	27.5
125.00	Outside of County	0	60,068	10,993	9,238	389	801	781	1,582	38.0
126.00	Outside of County	0	15,753	4,378	1,776	136	279	129	408	38.6
127.00	Outside of County	0	38,727	34,603	2,017	800	1,693	117	1,810	21.4
128.00	Outside of County	0	86,019	40,482	11,013	999	2,062	767	2,829	30.4
129.00	Outside of County	0	42,975	46,891	815	994	2,246	0	2,246	19.1
130.00	Outside of County	0	31,572	10,049	4,028	369	740	416	1,156	27.3
131.00	Outside of County	0	75,581	20,696	13,533	607	1,234	1,278	2,512	30.1
132.00	Outside of County	0	34,056	20,694	3,962	407	894	260	1,154	29.5
133.00	Outside of County	0	132,531	63,441	14,596	2,087	5,211	1,475	6,686	19.8
134.00	Outside of County	0	70,286	32,058	18,328	1,075	2,460	1,492	3,952	17.8
135.00	Outside of County	0	43,543	0	23,629	0	0	2,114	2,114	20.6
136.00	Outside of County	0	31,780	28,514	1,637	669	1,669	82	1,751	18.2
137.00	Outside of County	0	138,435	104,046	9,315	2,349	6,735	673	7,408	18.7
138.00	El Dorado Diamond Springs	0	5,533	5,342	429	161	367	25	392	14.1
139.00	El Dorado Diamond Springs	0	3,993	1,770	669	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,321	265	5,026	10	27	383	410	59.3
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,082	1,974	80	21	49	2	51	41.0
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,365	7,981	177	157	353	0	353	20.9
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,602	3,745	133	93	209	4	213	16.9
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,895	4,006	290	74	186	19	205	19.0
145.00	Unincorporated El Dorado County (Remainder Area)	0	803	838	22	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,807	1,779	632	64	145	51	196	19.5
147.00	El Dorado Diamond Springs	0	4,302	4,549	135	159	359	0	359	12.0
148.00	Outside of County	0	189,082	257,176	6,743	2,250	5,293	137	5,430	34.8
149.00	Shingle Springs	0	6,893	1,694	1,465	37	98	112	210	32.8
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,733	8,491	225	109	260	3	263	29.4
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,450	1,997	20	23	67	0	67	21.6
152.00	Shingle Springs	0	9,918	6,125	1,453	122	315	99	414	24.0
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,432	6,652	217	178	388	5	393	16.4
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,335	3,247	235	84	196	16	212	15.7
155.00	Shingle Springs	0	2,684	3,141	57	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,329	2,755	39	27	67	0	67	34.6
157.00	El Dorado Hills	0	11,298	14,536	188	274	807	0	807	14.0
158.00	Cameron Park	0	22,004	24,385	1,059	598	1,373	72	1,445	15.2
159.00	Cameron Park	0	12,619	16,175	239	340	878	1	879	14.4
160.00	Shingle Springs	0	7,839	9,531	163	194	501	0	501	15.7
161.00	El Dorado Hills	0	5,981	7,627	93	105	283	0	283	21.2
162.00	El Dorado Hills	0	70,589	97,305	981	1,503	4,414	0	4,414	16.0
163.00	El Dorado Hills	0	356	367	39	7	21	4	25	14.5
164.00	El Dorado Hills	0	27,827	0	14,383	0	0	1,232	1,232	22.6
165.00	El Dorado Hills	0	16,383	19,622	372	373	997	0	997	16.4
166.00	Outside of County	0	41,473	42,224	1,373	749	1,892	49	1,941	21.4
167.00	El Dorado Hills	0	50,240	52,314	2,137	1,297	2,904	55	2,959	17.0
168.00	El Dorado Hills	0	30,711	36,251	946	1,125	2,519	9	2,528	12.1
169.00	El Dorado Hills	0	103,245	155	21,230	0	0	1,688	1,688	61.2
170.00	El Dorado Hills	0	27,529	0	15,270	0	0	1,357	1,357	20.3
171.00	El Dorado Hills	0	14,250	12,742	755	441	790	20	810	17.6
172.00	El Dorado Hills	0	8,238	0	1,965	0	0	168	168	49.0
173.00	El Dorado Hills	0	29,765	0	6,388	0	0	547	547	54.4
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,218	1,540	249	15	37	11	48	45.8
175.00	Unincorporated El Dorado County (Remainder Area)	0	955	876	96	11	26	5	31	30.6
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,050	2,323	41	29	69	0	69	29.7
177.00	Unincorporated El Dorado County (Remainder Area)	0	828	702	119	10	25	7	32	25.9
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,087	2,422	40	30	77	0	77	27.0
179.00	Unincorporated El Dorado County (Remainder Area)	0	10	0	0	1	3	0	3	3.6
180.00	El Dorado Hills	0	3,193	3,862	54	58	149	0	149	21.4
181.00	El Dorado Hills	0	1,406	8	645	1	3	58	61	23.2
182.00	Cameron Park	0	51,663	67,570	794	1,186	3,202	0	3,202	16.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,505	7,607	127	152	355	0	355	18.3

VTM Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
184.00	Cameron Park	0	28,617	20,331	3,324	357	964	300	1,264	22.6
185.00	Cameron Park	0	5,384	6,600	94	149	342	0	342	15.7
186.00	Cameron Park	0	646	102	235	3	7	28	35	18.5
187.00	Cameron Park	0	10,263	9,755	1,023	239	549	85	634	16.2
188.00	Cameron Park	0	7,314	7,020	803	188	432	69	501	14.6
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,887	3,679	44	37	104	0	104	27.9
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,277	14,802	174	237	663	0	663	17.0
191.00	El Dorado Hills	0	824	1,100	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,094	1,443	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,883	4,363	2,567	100	253	246	499	17.8
194.00	El Dorado Hills	0	18,168	23,647	281	439	1,285	0	1,285	14.1
195.00	El Dorado Hills	0	1,607	533	184	10	26	14	40	40.7
196.00	Outside of County	0	46,501	51,649	1,509	923	2,503	82	2,585	18.0
197.00	El Dorado Hills	0	3,962	4,961	65	86	219	0	219	18.1
198.00	El Dorado Hills	0	58,603	46,965	4,581	887	2,482	453	2,935	20.0
199.00	El Dorado Hills	0	11,136	3,702	1,535	62	173	120	293	37.9
200.00	El Dorado Hills	0	3,335	333	737	7	18	67	85	39.3
201.00	El Dorado Hills	0	13,456	8,460	2,749	150	439	301	740	18.2
202.00	El Dorado Hills	0	41,829	41,516	2,349	737	2,062	199	2,261	18.5
203.00	El Dorado Hills	0	51,422	65,316	1,837	1,043	3,061	139	3,200	16.1
204.00	El Dorado Hills	0	18,962	20,090	626	362	1,067	41	1,108	17.1
205.00	El Dorado Hills	0	1,703	0	794	0	0	80	80	21.3
206.00	El Dorado Hills	0	2,103	2,734	30	52	153	0	153	13.7
207.00	El Dorado Hills	0	15,033	19,882	230	296	869	0	869	17.3
208.00	Unincorporated El Dorado County (Remainder Area)	0	412	558	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,999	3,552	172	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,735	7,565	87	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	167	230	2	4	11	0	11	15.0
212.00	El Dorado Hills	0	1,867	2,514	25	35	103	0	103	18.2
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,807	8,966	101	116	323	0	323	21.1
214.00	Unincorporated El Dorado County (Remainder Area)	0	687	922	10	8	19	0	19	35.5
215.00	El Dorado Hills	0	6,142	8,027	95	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	400	520	5	5	12	0	12	33.1
217.00	Unincorporated El Dorado County (Remainder Area)	0	741	957	10	11	31	0	31	24.1
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,727	2,237	25	28	78	0	78	22.0
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,462	2,398	1,003	28	78	77	155	28.8
220.00	Unincorporated El Dorado County (Remainder Area)	0	581	761	8	9	25	0	25	23.2
221.00	El Dorado Hills	0	41,926	56,569	589	876	2,359	0	2,359	17.8
222.00	Cameron Park	0	2,667	1,397	257	26	71	26	97	27.6
223.00	Cameron Park	0	4,039	5,478	52	103	279	0	279	14.4
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,435	6,355	348	95	258	29	287	19.0
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,215	7,615	977	92	270	79	349	32.1
226.00	Cameron Park	0	9,907	8,589	771	131	384	76	460	21.5
227.00	Cameron Park	0	180	175	13	5	12	2	14	12.8
228.00	Cameron Park	0	23,239	30,810	509	705	1,703	20	1,723	13.5
229.00	El Dorado Hills	0	15,065	536	2,593	9	24	228	252	59.7
230.00	El Dorado Hills	0	587	783	7	12	35	0	35	16.7
231.00	Unincorporated El Dorado County (Remainder Area)	0	965	304	238	5	15	28	43	22.6
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,109	2,819	28	33	92	0	92	23.0
233.00	Cameron Park	0	6,618	3,809	767	92	211	101	312	21.2
234.00	Cameron Park	0	46,988	41,263	4,548	1,004	2,306	587	2,893	16.2
235.00	Cameron Park	0	33,694	44,436	479	861	2,214	0	2,214	15.2
236.00	Cameron Park	0	17,671	23,771	298	468	1,204	9	1,213	14.6
237.00	Cameron Park	0	2,840	3,534	47	75	172	0	172	16.5
238.00	Cameron Park	0	15,103	13,628	2,017	280	676	199	875	17.3
239.00	Cameron Park	0	1,939	1,606	135	32	87	16	103	18.9
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,240	9,676	107	127	345	0	345	21.0
241.00	Cameron Park	0	6,799	9,055	105	164	445	2	447	15.2
242.00	Cameron Park	0	800	1,096	9	22	60	0	60	13.4
243.00	Cameron Park	0	2,391	2,914	120	52	141	13	154	15.5
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,389	1,798	23	22	57	0	57	24.5

VMT Summary by Jurisdiction - 2018 Baseline Scenario

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245.00	Unincorporated El Dorado County (Remainder Area)	0	839	1,063	11	10	29	0	29	29.0
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,480	6,061	59	63	182	0	182	24.6
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,554	16,673	350	296	646	0	646	22.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	10,765	13,082	226	185	441	0	441	24.4
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,915	2,088	39	27	59	0	59	32.5
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,217	3,847	63	53	123	0	123	26.1
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,365	5,141	91	88	224	0	224	19.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,224	24,902	422	434	1,130	0	1,130	17.9
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,630	10,794	166	147	403	0	403	21.4
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,151	7,303	128	116	295	0	295	20.9
255.00	Cameron Park	0	17,038	0	5,084	0	0	426	426	40.0
256.00	Cameron Park	0	46,418	1,908	13,806	47	121	1,042	1,163	39.9
257.00	Shingle Springs	0	30,236	6,755	11,172	153	389	960	1,349	22.4
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,486	1,748	51	21	58	2	60	25.0
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,819	2,261	31	30	78	0	78	23.3
260.00	Shingle Springs	0	5,674	58	1,816	2	4	146	150	37.7
261.00	Shingle Springs	0	15,330	4,166	3,624	92	252	282	534	28.7
262.00	Shingle Springs	0	12,895	4,861	3,011	121	308	238	546	23.6
263.00	Shingle Springs	0	6,135	4,989	534	108	296	35	331	18.5
264.00	Shingle Springs	0	4,760	2,287	628	50	137	45	182	26.2
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,406	2,960	44	45	117	0	117	20.5
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,362	2,171	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,497	6,890	127	129	336	0	336	16.4
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,277	3,759	132	69	180	6	186	17.6
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,331	10,945	228	204	516	1	517	18.1
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,471	3,218	42	44	113	0	113	21.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,073	10,028	199	150	379	5	384	21.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,787	7,734	363	131	347	23	370	18.3
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,884	10,150	255	134	391	12	403	19.5
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,426	13,819	1,331	233	618	99	717	21.5
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,502	18,278	457	321	828	13	841	18.4
276.00	Cameron Park	0	8,995	10,800	268	224	541	12	553	16.3
277.00	Cameron Park	0	6,244	7,900	106	161	416	0	416	15.0
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,191	6,776	84	91	247	0	247	21.0
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,674	3,506	42	45	122	0	122	21.9
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,776	2,195	33	37	98	0	98	18.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,863	3,562	542	59	156	36	192	20.1
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,772	2,168	33	39	103	0	103	17.1
283.00	Shingle Springs	0	16,078	3,773	2,071	0	0	161	161	99.9
284.00	Shingle Springs	0	1,620	1,089	305	25	65	25	90	18.1
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,127	1,490	886	12	26	66	92	55.5
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,774	2,313	29	36	95	0	95	18.6
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,714	2,174	29	34	88	0	88	19.5
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,629	3,316	46	51	135	0	135	19.5
289.00	Unincorporated El Dorado County (Remainder Area)	0	359	513	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,413	3,221	37	44	129	0	129	18.8
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,913	12,919	181	188	463	0	463	21.4
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,546	6,277	64	72	210	0	210	21.6
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,229	1,274	32	34	77	0	77	15.9
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,020	4,646	94	97	247	0	247	16.3
295.00	Unincorporated El Dorado County (Remainder Area)	0	148,849	5,013	26,687	110	284	1,491	1,775	83.9
296.00	El Dorado Diamond Springs	0	9,621	6,657	854	117	305	56	361	26.7
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,428	3,135	57	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,315	3,811	75	79	206	0	206	16.1
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,084	6,054	106	106	268	0	268	19.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,196	1,389	26	28	71	0	71	16.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,966	2,476	499	57	130	33	163	24.4
303.00	El Dorado Diamond Springs	0	3,469	3,661	91	106	231	0	231	15.0
304.00	El Dorado Diamond Springs	0	6,354	379	2,382	12	27	224	251	25.3
305.00	El Dorado Diamond Springs	0	7,597	0	3,153	1	2	283	285	26.6

VTM Summary by Jurisdiction - 2018 Baseline Scenario

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306.00	El Dorado Diamond Springs	0	1,630	375	628	10	22	55	77	21.2
307.00	El Dorado Diamond Springs	0	617	495	38	16	36	2	38	16.2
308.00	El Dorado Diamond Springs	0	272	273	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	532	435	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,145	795	1,293	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,534	1,198	2,118	38	87	158	245	34.9
312.00	El Dorado Diamond Springs	0	870	891	48	31	70	3	73	11.9
313.00	El Dorado Diamond Springs	0	23,385	4,177	6,902	38	99	506	605	38.7
314.00	El Dorado Diamond Springs	0	2,983	3,095	154	81	206	8	214	13.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	342	346	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	206	210	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,323	4,685	137	128	326	2	328	13.2
319.00	El Dorado Diamond Springs	0	1,220	1,221	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,094	2,179	536	18	44	39	83	61.1
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,292	6,704	102	104	256	0	256	20.6
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,458	8,024	552	153	387	33	420	17.8
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,846	3,455	85	51	129	4	133	21.4
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,639	4,779	61	64	165	0	165	22.1
325.00	Unincorporated El Dorado County (Remainder Area)	0	706	878	14	16	39	0	39	17.9
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,171	2,732	54	49	121	1	122	17.8
327.00	Placerville	0	1,703	2,004	38	40	101	0	101	16.9
328.00	Unincorporated El Dorado County (Remainder Area)	0	847	999	18	19	48	0	48	17.7
329.00	Placerville	0	4,864	5,457	124	139	317	0	317	15.3
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,702	3,128	65	73	184	0	184	14.7
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,828	7,139	116	110	274	0	274	21.3
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,541	1,807	36	47	104	0	104	14.8
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,530	5,678	85	91	226	0	226	20.1
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,809	1,177	1,313	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	3,016	3,290	124	77	165	5	170	17.8
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,225	1,476	25	30	70	0	70	17.4
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,196	7,637	867	121	302	62	364	25.3
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,142	17,928	369	322	831	14	845	16.7
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,588	12,373	118	188	410	0	410	20.9
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,902	8,594	224	93	205	14	219	31.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,490	1,919	86	31	71	8	79	18.9
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,622	3,275	48	48	124	0	124	21.2
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,484	4,096	63	53	116	0	116	30.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,761	4,480	68	55	120	0	120	31.3
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,795	1,949	35	29	63	0	63	28.4
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,272	1,399	24	22	49	0	49	25.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,914	3,679	48	42	108	0	108	26.9
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,800	2,994	62	49	110	0	110	25.4
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,299	8,016	251	83	191	18	209	30.1
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,179	1,683	17	22	48	0	48	24.6
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,306	1,879	16	23	50	0	50	26.0
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,856	2,622	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	9,028	13,265	99	167	365	1	366	24.7
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,502	3,520	744	53	116	77	193	28.6
355.00	Placerville	1	14,286	6,565	2,953	241	550	244	794	18.0
356.00	Placerville	1	2,498	2,654	73	91	195	0	195	12.8
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,887	3,832	366	89	209	21	230	21.3
358.00	Placerville	0	5,866	2,948	1,184	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,285	5,091	93	105	254	0	254	16.9
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,341	5,788	239	98	237	10	247	21.6
361.00	Placerville	1	17,724	10,282	4,149	458	938	392	1,330	13.3
362.00	Placerville	1	46,054	5,961	10,912	252	591	876	1,467	31.4
363.00	Unincorporated El Dorado County (Remainder Area)	0	328	344	9	13	31	0	31	10.6
364.00	Placerville	0	4,046	3,546	415	138	328	30	358	11.3
365.00	El Dorado Diamond Springs	0	10,885	8,662	1,044	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	380	275	42	15	31	4	35	10.8

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367.00	El Dorado Diamond Springs	0	4,053	0	1,956	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,589	1,731	48	68	149	0	149	10.7
369.00	El Dorado Diamond Springs	0	5,671	5,758	282	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,430	0	3,033	0	0	303	303	21.2
371.00	El Dorado Diamond Springs	0	740	795	17	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,760	7,738	2,413	195	433	211	644	26.0
373.00	El Dorado Diamond Springs	0	652	644	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	414	329	29	13	28	2	30	13.6
375.00	El Dorado Diamond Springs	0	368	369	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	973	935	57	34	77	3	80	12.2
377.00	El Dorado Diamond Springs	0	561	329	157	13	29	14	43	12.9
378.00	El Dorado Diamond Springs	0	667	652	19	27	59	0	59	11.3
379.00	El Dorado Diamond Springs	0	1,101	1,114	31	48	105	0	105	10.5
380.00	El Dorado Diamond Springs	0	256	245	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	143	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	261	239	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,592	1,743	40	46	102	0	102	15.6
384.00	El Dorado Diamond Springs	0	3,655	3,974	95	120	267	0	267	13.7
385.00	El Dorado Diamond Springs	0	11,722	13,673	336	451	1,002	0	1,002	11.7
386.00	El Dorado Diamond Springs	0	2,658	2,926	67	90	200	0	200	13.3
387.00	El Dorado Diamond Springs	0	1,172	929	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,357	0	3,062	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,128	11	2,612	2	4	264	268	22.8
390.00	El Dorado Diamond Springs	0	4,306	3,899	359	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,171	196	546	11	23	54	77	28.2
392.00	El Dorado Diamond Springs	0	670	600	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	9,001	6,362	1,003	268	605	68	673	13.4
394.00	El Dorado Diamond Springs	0	187	202	5	8	22	0	22	8.5
395.00	Placerville	1	62,137	1,585	26,045	74	166	2,253	2,419	25.7
396.00	El Dorado Diamond Springs	0	28,081	0	5,837	0	0	439	439	64.0
397.00	El Dorado Diamond Springs	0	1,330	1,265	69	50	114	3	117	11.4
398.00	El Dorado Diamond Springs	0	413	323	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,126	1,133	32	43	97	0	97	11.6
400.00	El Dorado Diamond Springs	0	312	261	11	16	33	0	33	9.4
401.00	Placerville	0	8,970	659	2,624	28	63	213	276	32.5
402.00	El Dorado Diamond Springs	0	3,540	1,449	1,077	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,796	3,635	7,782	124	258	654	912	26.1
404.00	El Dorado Diamond Springs	0	1,344	410	458	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	169	150	5	9	20	0	20	8.6
406.00	El Dorado Diamond Springs	0	18,921	554	3,783	24	53	286	339	55.9
407.00	El Dorado Diamond Springs	0	9,526	18	3,368	1	2	309	311	30.6
408.00	El Dorado Diamond Springs	0	4,165	22	1,740	1	2	182	184	22.6
409.00	Placerville	0	18,672	3,023	5,647	104	248	445	693	27.0
410.00	El Dorado Diamond Springs	0	24,444	14,654	3,600	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,454	6,167	13,272	298	712	1,271	1,983	25.4
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,968	3,206	79	86	206	0	206	14.4
413.00	Placerville	0	3,607	3,792	102	126	301	0	301	12.0
414.00	El Dorado Diamond Springs	0	2,617	130	1,178	7	15	120	135	19.4
415.00	Unincorporated El Dorado County (Remainder Area)	0	433	442	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	147	145	4	9	19	0	19	7.9
417.00	Placerville	1	9,670	1,099	2,863	45	114	278	392	24.7
418.00	Placerville	1	3,162	0	672	0	0	64	64	49.4
419.00	Placerville	1	3,275	0	843	0	0	85	85	38.5
420.00	Placerville	1	1,761	959	498	42	100	52	152	11.6
421.00	Placerville	1	1,660	1,578	97	68	163	5	168	9.9
422.00	Placerville	1	52,655	6,333	24,629	278	652	1,907	2,559	20.6
423.00	Unincorporated El Dorado County (Remainder Area)	0	460	482	12	20	48	0	48	9.6
424.00	Placerville	0	10,237	4,848	2,513	171	391	228	619	16.6
425.00	Placerville	0	52,848	32,254	5,937	1,167	2,617	563	3,180	16.6
426.00	Placerville	0	860	991	19	33	82	0	82	10.5
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,962	4,551	92	93	232	0	232	17.1

VMT Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
428.00	Unincorporated El Dorado County (Remainder Area)	0	644	742	15	22	55	0	55	11.7
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,310	1,652	34	35	83	0	83	15.9
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,530	2,478	178	58	137	10	147	17.2
431.00	Placerville	1	1,793	472	653	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,287	10,532	2,691	309	729	229	958	16.0
433.00	Placerville	1	10,430	9,674	706	481	1,041	36	1,077	9.7
434.00	Placerville	1	672	587	23	33	71	0	71	9.5
435.00	Placerville	1	1,186	646	242	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	969	1,151	20	25	62	0	62	15.6
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,375	5,680	247	117	287	12	299	18.0
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,580	5,275	232	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,422	6,318	172	156	350	3	353	15.4
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,394	1,101	177	28	63	15	78	17.9
441.00	Placerville	1	362	377	9	12	29	0	29	12.6
442.00	Placerville	1	13,109	10,700	1,034	313	768	69	837	15.7
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	1,568	36	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	199	220	5	8	19	0	19	10.4
445.00	Placerville	0	1,043	903	150	23	56	11	67	15.5
446.00	Placerville	1	1,759	851	246	25	59	19	78	22.7
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,245	3,968	67	76	189	0	189	17.1
448.00	Placerville	0	1,803	2,097	74	53	130	4	134	13.5
449.00	Unincorporated El Dorado County (Remainder Area)	0	539	573	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,269	2,681	391	84	180	31	211	15.5
451.00	Unincorporated El Dorado County (Remainder Area)	0	980	1,036	25	27	58	0	58	16.9
452.00	Placerville	0	6,272	4,038	499	121	259	33	292	21.5
453.00	Placerville	1	2,917	3,088	120	145	310	1	311	9.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	567	545	18	25	54	0	54	10.6
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,712	3,064	66	73	172	0	172	15.8
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,879	2,062	48	51	109	0	109	17.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,807	3,062	129	62	137	5	142	19.8
458.00	Placerville	0	2,940	2,605	342	67	157	26	183	16.0
459.00	Placerville	0	309	353	7	11	26	0	26	12.0
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	967	264	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,565	222	615	6	14	59	73	21.4
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,224	1,281	1,750	31	66	125	191	27.3
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,473	7,255	39	85	194	0	194	23.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,529	3,316	39	47	104	0	104	24.4
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,960	5,702	114	58	134	16	150	26.5
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,545	4,422	201	61	139	22	161	22.0
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,483	3,848	23	39	89	0	89	27.9
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,785	9,773	124	120	277	6	283	24.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,097	5,685	136	59	131	15	146	28.1
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,031	3,078	27	32	73	1	74	27.4
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,480	2,041	54	23	53	6	59	25.3
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,954	2,297	146	26	59	20	79	24.6
473.00	Unincorporated El Dorado County (Remainder Area)	0	602	576	30	10	23	2	25	24.1
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,694	2,181	28	37	81	0	81	21.0
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,798	2,385	27	38	83	0	83	21.7
476.00	Unincorporated El Dorado County (Remainder Area)	0	860	1,124	12	16	41	0	41	20.8
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,040	2,560	123	30	69	15	84	24.2
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,481	1,916	24	30	66	0	66	22.5
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,069	3,159	439	51	118	37	155	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,300	2,000	13	20	46	0	46	28.5
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,337	2,030	15	20	44	0	44	30.4
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,638	7,945	92	74	163	3	166	34.0
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,436	5,264	173	115	249	9	258	17.2
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,757	5,653	944	91	227	114	341	19.8
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,060	1,522	11	15	37	0	37	28.3
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,066	5,884	47	69	156	0	156	26.1
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,824	11,361	737	221	519	36	555	21.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,532	7,572	86	107	242	0	242	22.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario

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489.00	Unincorporated El Dorado County (Remainder Area)	0	6,885	7,098	659	133	300	58	358	19.2
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,174	1,531	19	24	60	0	60	19.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,382	9,128	177	160	399	3	402	18.4
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,053	4,477	408	71	176	31	207	24.4
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,093	4,566	369	72	178	26	204	24.9
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,258	3,967	138	68	170	10	180	18.1
495.00	Unincorporated El Dorado County (Remainder Area)	0	653	851	11	16	40	0	40	16.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,363	4,574	829	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,329	5,730	101	88	224	3	227	19.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,446	4,474	104	70	158	6	164	21.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,340	1,790	22	30	75	0	75	17.9
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,090	1,342	602	11	26	51	77	53.3
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,807	1,020	767	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,001	7,688	351	117	272	18	290	24.1
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,150	0	1,008	1	2	76	78	53.1
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,098	6,513	343	141	313	19	332	18.4
505.00	Unincorporated El Dorado County (Remainder Area)	0	73	86	1	3	7	0	7	11.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,027	1,247	22	28	62	0	62	16.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,749	2,386	392	50	116	37	153	17.9
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,687	3,513	1,836	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	392	428	22	12	27	2	29	13.7
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,231	3,514	157	92	199	10	209	15.5
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,737	1,889	358	45	105	33	138	19.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,832	1,984	366	37	86	27	113	25.1
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,433	10,760	84	142	354	0	354	21.0
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,902	47,004	311	622	1,551	0	1,551	20.6
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,608	4,792	105	69	176	8	184	19.6
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,120	11,785	87	142	362	0	362	22.4
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,992	21,305	1,112	388	857	101	958	19.8
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,925	15,780	306	289	671	17	688	17.3
519.00	Unincorporated El Dorado County (Remainder Area)	0	5,883	7,846	190	142	330	12	342	17.2
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,955	16,174	268	266	617	12	629	19.0
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,866	13,168	580	290	641	60	701	15.5
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,103	7,241	64	85	221	0	221	23.1
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,440	10,423	1,908	240	588	206	794	20.7
524.00	Unincorporated El Dorado County (Remainder Area)	0	14,686	12,662	1,113	205	490	103	593	24.8
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,889	7,161	44	85	199	0	199	24.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	245	336	3	5	12	0	12	20.1
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,774	9,541	361	162	380	38	418	18.6
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,958	84,565	791	1,001	2,429	72	2,501	24.0
529.00	Unincorporated El Dorado County (Remainder Area)	0	918	1,151	13	15	36	0	36	25.3
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,920	17,316	191	191	462	0	462	28.0
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,530	3,392	35	34	82	0	82	30.8
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,999	5,160	59	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,313	8,579	643	105	271	34	305	30.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,787	4,954	52	53	128	0	128	29.6
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,935	7,815	74	91	221	0	221	26.8
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,090	6,586	64	82	200	0	200	25.5
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,396	14,154	106	165	402	0	402	25.9
538.00	Unincorporated El Dorado County (Remainder Area)	0	3,964	3,050	304	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	12,977	1,297	2,071	6	15	166	181	71.9
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,854	0	571	0	0	53	53	53.8
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,051	1,119	61	18	42	6	48	21.8
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,610	3,096	412	52	123	37	160	22.6
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,535	2,436	1,773	49	114	107	221	47.6
544.00	Unincorporated El Dorado County (Remainder Area)	0	680	496	103	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,521	2,046	16	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,813	6,429	54	61	143	0	143	33.8
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,016	524	480	10	23	46	69	57.9
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,485	23,325	467	386	910	22	932	18.8
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,160	2,720	39	42	99	0	99	21.8

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550.00	Unincorporated El Dorado County (Remainder Area)	0	265	347	4	7	18	0	18	14.7
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,418	2,526	782	41	105	54	159	34.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,433	423	500	8	19	32	51	48.0
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,568	2,059	26	32	75	0	75	21.0
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,049	5,252	105	83	194	4	198	20.5
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,654	2,240	24	34	80	0	80	20.6
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,093	6,972	66	82	192	0	192	26.6
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,695	2,094	31	35	82	1	83	20.5
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,718	2,988	163	36	84	19	103	26.3
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,382	1,833	17	25	59	0	59	23.6
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,604	1,675	100	27	63	10	73	21.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,181	1,578	18	22	52	0	52	22.7
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,019	5,902	39	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,210	3,361	17	32	71	0	71	31.3
564.00	Unincorporated El Dorado County (Remainder Area)	0	621	835	10	14	33	0	33	18.5
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,635	3,674	38	56	129	0	129	20.4
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,998	5,392	70	93	220	1	221	18.1
567.00	Unincorporated El Dorado County (Remainder Area)	0	671	817	25	18	42	2	44	15.4
568.00	Unincorporated El Dorado County (Remainder Area)	0	932	1,262	14	26	62	0	62	15.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,707	2,859	297	61	144	31	175	21.1
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,738	2,123	773	40	92	92	184	25.7
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,373	1,846	22	33	76	0	76	18.0
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,867	1,379	262	25	61	34	95	19.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,505	7,840	121	89	197	2	199	32.7
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,059	8,004	30	71	174	0	174	29.1
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,777	4,115	16	29	71	0	71	39.1
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,094	1,544	16	19	42	1	43	25.4
577.00	Unincorporated El Dorado County (Remainder Area)	0	753	1,117	7	13	29	0	29	26.2
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,477	37,260	105	370	817	0	817	28.7
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,793	5,280	100	38	96	12	108	35.0
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,896	4,143	62	35	89	5	94	30.9
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,279	5,105	290	43	95	32	127	33.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,258	1,707	16	13	34	0	34	37.2
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,747	43,331	212	352	774	10	784	35.4
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,735	2,096	55	18	40	3	43	40.7
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,579	14,372	78	124	273	0	273	35.1
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,836	2,529	1,553	51	91	92	183	31.9
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,279	3,417	17	39	99	0	99	22.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,739	30,142	125	323	805	0	805	24.5
589.00	Unincorporated El Dorado County (Remainder Area)	0	394	627	2	3	12	0	12	32.8
590.00	Unincorporated El Dorado County (Remainder Area)	0	831	1,146	12	18	46	0	46	18.2
591.00	Unincorporated El Dorado County (Remainder Area)	0	86	122	1	3	8	0	8	11.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,723	13,305	738	339	749	91	840	15.1
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,948	9,104	264	151	382	28	410	16.9
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,966	24,817	182	312	790	5	795	21.3
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,940	1,827	264	25	56	31	87	22.2
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,831	2,781	220	34	85	25	110	25.8
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,025	4,046	1,911	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,718	545	259	14	31	35	66	26.0
599.00	Unincorporated El Dorado County (Remainder Area)	0	712	970	11	17	38	0	38	19.0
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,277	11,095	1,264	205	453	130	583	19.3
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,339	1,903	4	10	22	0	22	60.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	432	137	53	3	5	2	7	58.9
603.00	Unincorporated El Dorado County (Remainder Area)	0	905	731	83	11	20	2	22	42.0
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,418	1,776	108	17	33	3	36	39.3
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,652	1,767	86	18	38	2	40	41.3
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,530	4,852	11	19	49	0	49	71.4
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,030	3,215	116	34	72	4	76	40.0
610.00	El Dorado Hills	0	38,891	186	20,466	0	0	1,745	1,745	22.3

VTM Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
611.00	El Dorado Hills	0	315	0	10	153	0	1	1	315.2
612.00	El Dorado Hills	0	79,285	0	44,407	0	0	3,121	3,121	25.4
613.00	Unincorporated El Dorado County (Remainder Area)	0	71	67	1	2	5	0	5	13.8
614.00	El Dorado Hills	0	5,953	7,060	115	150	383	0	383	15.6
615.00	El Dorado Hills	0	12,136	9,005	1,034	150	402	75	477	25.4
616.00	El Dorado Hills	0	1,373	1,634	25	37	94	0	94	14.7
617.00	El Dorado Hills	0	20,575	12,640	1,251	187	547	118	665	30.9
618.00	El Dorado Hills	0	3,121	0	1,252	0	0	146	146	21.4
619.00	El Dorado Hills	0	3,453	0	1,252	0	0	151	151	22.9
620.00	El Dorado Hills	0	17,923	3,471	1,780	0	0	188	188	95.3
621.00	El Dorado Hills	0	14,190	18,685	223	327	957	0	957	14.8
622.00	El Dorado Hills	0	21,912	21,444	1,624	370	1,083	147	1,230	17.8
623.00	Unincorporated El Dorado County (Remainder Area)	0	392	0	173	0	0	16	16	24.5
624.00	El Dorado Hills	0	15,652	17,500	1,194	308	905	96	1,001	15.6
625.00	El Dorado Hills	0	862	0	418	0	0	40	40	21.6
626.00	Unincorporated El Dorado County (Remainder Area)	0	8,671	7,467	1,119	164	383	98	481	18.0
627.00	Unincorporated El Dorado County (Remainder Area)	0	54,275	0	11,328	0	0	897	897	60.5
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,444	1,735	25	37	94	0	94	15.4
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,283	7,460	122	150	379	0	379	16.6
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,738	7,936	122	150	379	0	379	17.8
635.00	Unincorporated El Dorado County (Remainder Area)	0	5,020	5,930	93	113	286	0	286	17.6
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,484	6,168	81	120	322	0	322	13.9
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,084	9,894	140	171	458	0	458	17.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,035	1,265	16	23	62	0	62	16.8
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,268	2,813	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,676	9,578	125	176	472	0	472	16.3
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,087	2,598	33	46	123	0	123	16.9
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,435	33,423	1,270	637	1,708	93	1,801	15.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,787	12,066	162	216	579	0	579	16.9
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,921	3,669	47	76	194	0	194	15.1
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,197	24,613	947	415	1,059	51	1,110	19.1
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,816	11,029	154	192	490	0	490	18.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,588	1,894	69	38	97	6	103	15.4
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,814	2,168	46	38	97	2	99	18.3
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,510	3,116	31	38	97	0	97	56.8
650.00	Outside of County	0	3,020,166	1,492,221	470,897	0	0	0	0	-
651.00	Outside of County	0	28,399	14,324	4,158	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	391,328	159,761	51,090	0	0	0	0	-
654.00	Outside of County	0	56,397	9,128	2,860	0	0	0	0	-
655.00	Outside of County	0	269,595	107,807	35,036	0	0	0	0	-
656.00	Outside of County	0	77,155	18,176	8,655	0	0	0	0	-
657.00	Outside of County	0	186,460	8,202	3,824	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,555	3,139	1,405	0	0	0	0	-
660.00	Outside of County	0	163,769	82,846	32,188	0	0	0	0	-
661.00	Outside of County	0	156,389	71,481	25,547	0	0	0	0	-
662.00	Outside of County	0	695,748	337,877	118,474	0	0	0	0	-
663.00	Outside of County	0	679,398	227,369	80,899	0	0	0	0	-
664.00	Outside of County	0	348,188	190,438	54,697	0	0	0	0	-
665.00	Outside of County	0	199,598	79,719	30,851	0	0	0	0	-
666.00	Outside of County	0	88,311	45,145	14,287	0	0	0	0	-
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	512,391	310,533	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	169,835	95,999	23,691	0	0	0	0	-

VTM Summary by Jurisdiction - 2018 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
672.00	Outside of County	0	33,234	34,230	0	0	0	0	0	-
673.00	Outside of County	0	24,878	14,903	0	0	0	0	0	-
674.00	Outside of County	0	355,407	29,972	0	0	0	0	0	-

- **VMT Detail 2018 Plus Project**

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

Jurisdiction	VMT Estimates			VMT Efficiency Metrics			Population Details				
	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	297,442	69,506	89,946	20.9	10.6	11.8	2,914	6,581	7,639	14,220	2.26
Unincorporated El Dorado County	3,706,398	3,075,994	431,523	21.9	22.6	12.9	55,055	136,108	33,360	169,468	2.47
229	15,533	535	2,661	60.2	22.1	11.4	9	24	234	258	2.69
				Threshold (85% of Unincorporated El Dorado County)							
					19.2	11.0					

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	4,161	2,630	326	46	75	16	91	45.9
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,095	32,056	462	525	1,185	34	1,219	18.9
3.00	Unincorporated El Dorado County (Remainder Area)	0	2,947	3,740	42	34	88	0	88	33.6
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,536	1,542	52	16	34	2	36	43.0
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,863	4,043	27	33	73	0	73	39.5
6.00	Unincorporated El Dorado County (Remainder Area)	0	12,316	15,849	353	270	646	9	655	18.8
7.00	Unincorporated El Dorado County (Remainder Area)	0	25,838	33,440	991	516	1,119	71	1,190	21.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	2,716	791	749	14	36	60	96	28.3
9.00	Unincorporated El Dorado County (Remainder Area)	0	28,470	33,359	1,705	482	1,240	117	1,357	21.0
10.00	Outside of County	0	0	0	0	0	0	0	0	-
11.00	Outside of County	0	0	0	0	0	0	0	0	-
12.00	Outside of County	0	39,319	30,932	1,867	663	1,741	96	1,837	21.4
13.00	Outside of County	0	31,066	35,819	680	775	1,995	0	1,995	15.6
14.00	Outside of County	0	64,202	72,150	1,547	1,502	4,068	32	4,100	15.7
15.00	Outside of County	0	497	523	10	10	23	0	23	22.1
16.00	Outside of County	0	56,367	8,952	7,514	149	378	434	812	69.4
17.00	Outside of County	0	0	0	0	0	0	0	0	-
18.00	Outside of County	0	1,552	612	67	41	116	0	116	13.4
19.00	Outside of County	0	0	0	0	0	0	0	0	-
20.00	Outside of County	0	219	18	118	1	1	5	6	36.5
21.00	Outside of County	0	5,217	50	2,535	1	2	112	114	45.8
22.00	Outside of County	0	2,235	270	578	2	6	23	29	77.1
23.00	Outside of County	0	58,529	23,689	6,287	101	273	244	517	113.3
24.00	Outside of County	0	47	30	1	1	1	0	1	47.5
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	0	0	0	0	0	0	0	-
27.00	Outside of County	0	1,320	266	499	2	6	22	28	47.1
28.00	Outside of County	0	12,539	14,759	377	123	332	6	338	37.1
29.00	Outside of County	0	7,850	9,184	242	72	192	5	197	39.8
30.00	Outside of County	0	6,048	0	3,191	0	0	133	133	45.5
31.00	Outside of County	0	5,557	4,124	1,039	44	94	45	139	39.9
32.00	Outside of County	0	24,901	6,771	622	676	1,526	0	1,526	16.3
33.00	Outside of County	0	0	0	0	0	0	0	0	-
34.00	Outside of County	0	8,758	9,511	584	75	191	16	207	42.3
35.00	Outside of County	0	0	0	0	0	0	0	0	-
36.00	Outside of County	0	0	0	0	0	0	0	0	-
37.00	Outside of County	0	5,065	0	2,671	0	0	178	178	28.5
38.00	Outside of County	0	0	0	0	0	0	0	0	-
39.00	Outside of County	0	24,316	22,335	3,297	666	1,569	227	1,796	13.5
40.00	Outside of County	0	112,486	25,910	18,714	916	2,079	1,839	3,918	28.7
41.00	Outside of County	0	30,904	26,579	3,949	544	1,271	203	1,474	21.0
42.00	Outside of County	0	0	0	0	0	0	0	0	-
43.00	Outside of County	0	53,587	63,364	1,203	828	2,045	0	2,045	26.2
44.00	Outside of County	0	79,512	76,967	3,263	1,069	2,614	95	2,709	29.3
45.00	Outside of County	0	100,816	24,070	14,555	906	2,057	1,357	3,414	29.5
46.00	Outside of County	0	0	0	0	0	0	0	0	-
47.00	Outside of County	0	100,677	0	42,610	0	0	2,398	2,398	42.0
48.00	Outside of County	0	70,950	71,615	3,371	1,203	3,068	121	3,189	22.2
49.00	Outside of County	0	152,534	0	77,861	0	0	4,642	4,642	32.9
50.00	Outside of County	0	120,774	85,590	19,235	1,025	2,430	826	3,256	37.1
51.00	Outside of County	0	127,925	69,744	18,133	1,768	4,253	1,237	5,490	23.3
52.00	Outside of County	0	44,970	25,178	4,420	297	667	240	907	49.6
53.00	Outside of County	0	114,387	88,027	8,441	1,335	3,452	377	3,829	29.9
54.00	Outside of County	0	93,349	36,422	38,621	476	1,153	1,827	2,980	31.3
55.00	Outside of County	0	83,098	38,499	12,472	675	1,583	800	2,383	34.9
56.00	Outside of County	0	34,935	40,050	990	820	1,933	4	1,937	18.0
57.00	Outside of County	0	162,107	0	113,025	0	0	7,375	7,375	22.0
58.00	Outside of County	0	43,746	24,392	6,784	465	1,160	388	1,548	28.3
59.00	Outside of County	0	426	111	173	2	4	9	13	32.8
60.00	Outside of County	0	206,079	17,514	103,042	238	478	4,236	4,714	43.7
61.00	Outside of County	0	276,225	193,323	22,361	2,205	5,227	797	6,024	45.9

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
62.00	Outside of County	0	55,636	320	26,723	4	8	1,150	1,158	48.0
63.00	Outside of County	0	113,183	18,446	51,020	340	756	3,083	3,839	29.5
64.00	Outside of County	0	80,441	60,769	11,511	865	2,156	560	2,716	29.6
65.00	Outside of County	0	10,446	11,589	217	136	338	0	338	30.9
66.00	Outside of County	0	61,973	50,457	4,267	826	1,950	172	2,122	29.2
67.00	Outside of County	0	10,423	0	2,793	0	0	178	178	58.6
68.00	Outside of County	0	55,295	32,960	11,768	616	1,314	679	1,993	27.7
69.00	Outside of County	0	143,956	90,898	38,137	1,588	4,122	2,320	6,442	22.3
70.00	Outside of County	0	211,314	802	126,654	0	0	6,956	6,956	30.4
71.00	Outside of County	0	107,503	111,194	4,866	1,231	3,088	121	3,209	33.5
72.00	Outside of County	0	247,033	357	131,770	0	0	5,133	5,133	48.1
73.00	Outside of County	0	122,086	0	79,894	0	0	5,627	5,627	21.7
74.00	Outside of County	0	176,073	22,020	81,356	435	1,022	4,728	5,750	30.6
75.00	Outside of County	0	106,846	77,951	27,152	1,936	4,401	1,866	6,267	17.0
76.00	Outside of County	0	42,072	23,743	4,985	508	1,352	297	1,649	25.5
77.00	Outside of County	0	159,217	78,773	33,820	1,155	2,810	1,659	4,469	35.6
78.00	Outside of County	0	88,747	0	23,790	0	0	1,567	1,567	56.6
79.00	Outside of County	0	970	0	0	0	0	20	20	48.5
80.00	Outside of County	0	50,272	0	23,858	0	0	1,410	1,410	35.7
81.00	Outside of County	0	160,627	0	83,193	0	0	4,951	4,951	32.4
82.00	Outside of County	0	56,141	0	29,855	0	0	1,787	1,787	31.4
83.00	Outside of County	0	0	0	0	0	0	0	0	-
84.00	Outside of County	0	64,939	48,749	6,593	1,226	2,817	405	3,222	20.2
85.00	Outside of County	0	71,884	60,658	4,726	1,295	3,246	253	3,499	20.5
86.00	Outside of County	0	110,628	74,675	11,378	1,968	4,487	754	5,241	21.1
87.00	Outside of County	0	103,076	66,966	12,920	2,114	4,344	800	5,144	20.0
88.00	Outside of County	0	86,634	48,021	11,954	1,099	2,679	762	3,441	25.2
89.00	Outside of County	0	11,241	0	4,672	0	0	293	293	38.4
90.00	Outside of County	0	53,171	0	10,884	0	0	592	592	89.8
91.00	Outside of County	0	123,467	16,342	50,168	383	961	4,100	5,061	24.4
92.00	Outside of County	0	59,866	56,584	3,273	1,139	2,709	141	2,850	21.0
93.00	Outside of County	0	0	0	0	0	0	0	0	-
94.00	Outside of County	0	432	480	9	6	15	0	15	28.8
95.00	Outside of County	0	931	0	441	0	0	27	27	34.5
96.00	Outside of County	0	343	0	174	0	0	12	12	28.6
97.00	Outside of County	0	110	102	2	2	4	0	4	27.5
98.00	Outside of County	0	76,056	353	27,150	10	25	2,289	2,314	32.9
99.00	Outside of County	0	49,914	27,038	11,829	791	1,944	958	2,902	17.2
100.00	Outside of County	0	6,022	7,043	128	84	203	0	203	29.7
101.00	Outside of County	0	12,095	0	6,033	0	0	320	320	37.8
102.00	Outside of County	0	6,001	5,249	998	51	153	53	206	29.1
103.00	Outside of County	0	59,023	68,356	1,381	910	2,200	0	2,200	26.8
104.00	Outside of County	0	0	0	0	0	0	0	0	-
105.00	Outside of County	0	0	0	0	0	0	0	0	-
106.00	Outside of County	0	2,867	0	1,443	0	0	70	70	41.0
107.00	Outside of County	0	85,399	0	45,597	0	0	3,135	3,135	27.2
108.00	Outside of County	0	437	0	202	0	0	15	15	29.1
109.00	Outside of County	0	18,916	0	4,246	0	0	238	238	79.5
110.00	Outside of County	0	63,852	8,687	28,885	205	426	1,610	2,036	31.4
111.00	Outside of County	0	136,843	12,349	24,999	350	728	1,151	1,879	72.8
112.00	Outside of County	0	195,725	38,340	41,771	747	1,946	2,117	4,063	48.2
113.00	Outside of County	0	91,514	0	47,049	0	0	4,022	4,022	22.8
114.00	Outside of County	0	40,745	30,191	7,722	770	1,950	660	2,610	15.6
115.00	Outside of County	0	0	0	0	0	0	0	0	-
116.00	Outside of County	0	0	0	0	0	0	0	0	-
117.00	Outside of County	0	86,803	32,638	23,721	401	1,031	1,492	2,523	34.4
118.00	Outside of County	0	89,221	80,891	3,747	2,313	5,898	187	6,085	14.7
119.00	Outside of County	0	170,668	7,874	74,970	214	522	6,545	7,067	24.2
120.00	Outside of County	0	203,575	0	58,368	0	0	4,131	4,131	49.3
121.00	Outside of County	0	165,839	56,899	22,241	1,642	4,261	1,724	5,985	27.7
122.00	Outside of County	0	66,962	20,089	12,360	619	1,530	1,071	2,601	25.7

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
123.00	Outside of County	0	52,718	7,496	10,663	200	529	855	1,384	38.1
124.00	Outside of County	0	81,290	55,372	5,574	1,240	2,628	328	2,956	27.5
125.00	Outside of County	0	60,043	11,023	9,266	389	801	781	1,582	38.0
126.00	Outside of County	0	15,747	4,389	1,779	136	279	129	408	38.6
127.00	Outside of County	0	38,740	34,671	2,023	800	1,693	117	1,810	21.4
128.00	Outside of County	0	86,060	40,546	11,043	999	2,062	767	2,829	30.4
129.00	Outside of County	0	42,972	46,930	817	994	2,246	0	2,246	19.1
130.00	Outside of County	0	31,573	10,111	4,043	369	740	416	1,156	27.3
131.00	Outside of County	0	75,648	20,738	13,577	607	1,234	1,278	2,512	30.1
132.00	Outside of County	0	34,055	20,712	3,978	407	894	260	1,154	29.5
133.00	Outside of County	0	132,752	63,036	14,576	2,087	5,211	1,475	6,686	19.9
134.00	Outside of County	0	70,264	32,071	18,373	1,075	2,460	1,492	3,952	17.8
135.00	Outside of County	0	43,579	0	23,754	0	0	2,114	2,114	20.6
136.00	Outside of County	0	31,720	28,480	1,639	669	1,669	82	1,751	18.1
137.00	Outside of County	0	138,468	104,299	9,325	2,349	6,735	673	7,408	18.7
138.00	El Dorado Diamond Springs	0	5,527	5,335	428	161	367	25	392	14.1
139.00	El Dorado Diamond Springs	0	3,990	1,768	668	62	135	55	190	21.0
140.00	El Dorado Diamond Springs	0	24,314	265	5,018	10	27	383	410	59.2
141.00	Unincorporated El Dorado County (Remainder Area)	0	2,081	1,973	80	21	49	2	51	40.9
142.00	Unincorporated El Dorado County (Remainder Area)	0	7,361	7,975	177	157	353	0	353	20.8
143.00	Unincorporated El Dorado County (Remainder Area)	0	3,599	3,741	133	93	209	4	213	16.9
144.00	Unincorporated El Dorado County (Remainder Area)	0	3,892	4,003	290	74	186	19	205	18.9
145.00	Unincorporated El Dorado County (Remainder Area)	0	802	837	22	30	69	0	69	11.7
146.00	El Dorado Diamond Springs	0	3,803	1,777	631	64	145	51	196	19.4
147.00	El Dorado Diamond Springs	0	4,297	4,544	135	159	359	0	359	12.0
148.00	Outside of County	0	189,263	257,537	6,752	2,250	5,293	137	5,430	34.9
149.00	Shingle Springs	0	6,889	1,692	1,463	37	98	112	210	32.8
150.00	Unincorporated El Dorado County (Remainder Area)	0	7,723	8,487	226	109	260	3	263	29.4
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,449	1,995	20	23	67	0	67	21.6
152.00	Shingle Springs	0	9,910	6,118	1,452	122	315	99	414	23.9
153.00	Unincorporated El Dorado County (Remainder Area)	0	6,421	6,642	217	178	388	5	393	16.3
154.00	Unincorporated El Dorado County (Remainder Area)	0	3,327	3,240	235	84	196	16	212	15.7
155.00	Shingle Springs	0	2,680	3,137	57	62	161	0	161	16.6
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,328	2,755	39	27	67	0	67	34.6
157.00	El Dorado Hills	0	11,289	14,516	188	274	807	0	807	14.0
158.00	Cameron Park	0	21,969	24,343	1,058	598	1,373	72	1,445	15.2
159.00	Cameron Park	0	12,589	16,144	238	340	878	1	879	14.3
160.00	Shingle Springs	0	7,832	9,521	163	194	501	0	501	15.6
161.00	El Dorado Hills	0	5,955	7,602	93	105	283	0	283	21.1
162.00	El Dorado Hills	0	70,349	97,041	980	1,503	4,414	0	4,414	15.9
163.00	El Dorado Hills	0	348	362	39	7	21	4	25	14.2
164.00	El Dorado Hills	0	27,815	0	14,408	0	0	1,232	1,232	22.6
165.00	El Dorado Hills	0	16,377	19,670	373	373	997	0	997	16.4
166.00	Outside of County	0	41,411	42,168	1,375	749	1,892	49	1,941	21.3
167.00	El Dorado Hills	0	50,250	52,413	2,138	1,297	2,904	55	2,959	17.0
168.00	El Dorado Hills	0	30,591	36,209	947	1,125	2,519	9	2,528	12.1
169.00	El Dorado Hills	0	103,236	155	21,272	0	0	1,688	1,688	61.2
170.00	El Dorado Hills	0	27,559	0	15,281	0	0	1,357	1,357	20.3
171.00	El Dorado Hills	0	14,248	12,765	757	441	790	20	810	17.6
172.00	El Dorado Hills	0	8,231	0	1,967	0	0	168	168	49.0
173.00	El Dorado Hills	0	29,776	0	6,404	0	0	547	547	54.4
174.00	Unincorporated El Dorado County (Remainder Area)	0	2,215	1,538	249	15	37	11	48	45.8
175.00	Unincorporated El Dorado County (Remainder Area)	0	955	876	96	11	26	5	31	30.6
176.00	Unincorporated El Dorado County (Remainder Area)	0	2,052	2,326	41	29	69	0	69	29.7
177.00	Unincorporated El Dorado County (Remainder Area)	0	828	703	119	10	25	7	32	25.9
178.00	Unincorporated El Dorado County (Remainder Area)	0	2,089	2,424	40	30	77	0	77	27.0
179.00	Unincorporated El Dorado County (Remainder Area)	0	10	17	0	1	3	0	3	3.6
180.00	El Dorado Hills	0	3,158	3,834	54	58	149	0	149	21.1
181.00	El Dorado Hills	0	1,404	8	644	1	3	58	61	23.1
182.00	Cameron Park	0	51,572	67,449	793	1,186	3,202	0	3,202	16.1
183.00	Unincorporated El Dorado County (Remainder Area)	0	6,495	7,597	127	152	355	0	355	18.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

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184.00	Cameron Park	0	28,563	20,290	3,321	357	964	300	1,264	22.6
185.00	Cameron Park	0	5,381	6,594	94	149	342	0	342	15.7
186.00	Cameron Park	0	645	101	235	3	7	28	35	18.5
187.00	Cameron Park	0	10,249	9,740	1,021	239	549	85	634	16.2
188.00	Cameron Park	0	7,310	7,012	802	188	432	69	501	14.6
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,886	3,676	44	37	104	0	104	27.9
190.00	Unincorporated El Dorado County (Remainder Area)	0	11,288	14,812	175	237	663	0	663	17.0
191.00	El Dorado Hills	0	823	1,097	11	19	53	0	53	15.5
192.00	El Dorado Hills	0	1,092	1,440	15	25	70	0	70	15.7
193.00	El Dorado Hills	0	8,884	4,357	2,571	100	253	246	499	17.8
194.00	El Dorado Hills	0	18,148	23,604	281	439	1,285	0	1,285	14.1
195.00	El Dorado Hills	0	1,607	532	184	10	26	14	40	40.7
196.00	Outside of County	0	45,940	51,241	1,511	923	2,503	82	2,585	17.8
197.00	El Dorado Hills	0	3,957	4,923	64	86	219	0	219	18.0
198.00	El Dorado Hills	0	58,478	46,913	4,594	887	2,482	453	2,935	19.9
199.00	El Dorado Hills	0	11,081	3,691	1,539	62	173	120	293	37.8
200.00	El Dorado Hills	0	3,334	333	740	7	18	67	85	39.3
201.00	El Dorado Hills	0	13,443	8,441	2,756	150	439	301	740	18.2
202.00	El Dorado Hills	0	41,878	41,553	2,356	737	2,062	199	2,261	18.5
203.00	El Dorado Hills	0	51,332	65,194	1,837	1,043	3,061	139	3,200	16.0
204.00	El Dorado Hills	0	19,104	20,163	627	362	1,067	41	1,108	17.2
205.00	El Dorado Hills	0	1,705	0	797	0	0	80	80	21.3
206.00	El Dorado Hills	0	2,144	2,763	30	52	153	0	153	14.0
207.00	El Dorado Hills	0	15,005	19,839	231	296	869	0	869	17.3
208.00	Unincorporated El Dorado County (Remainder Area)	0	411	556	5	9	26	0	26	15.6
209.00	El Dorado Hills	0	2,996	3,546	172	55	161	14	175	17.1
210.00	El Dorado Hills	0	5,731	7,551	87	125	366	0	366	15.7
211.00	Unincorporated El Dorado County (Remainder Area)	0	166	230	2	4	11	0	11	14.9
212.00	El Dorado Hills	0	1,866	2,510	25	35	103	0	103	18.2
213.00	Unincorporated El Dorado County (Remainder Area)	0	6,791	8,948	101	116	323	0	323	21.0
214.00	Unincorporated El Dorado County (Remainder Area)	0	686	921	10	8	19	0	19	35.4
215.00	El Dorado Hills	0	6,135	8,014	95	113	316	0	316	19.4
216.00	Unincorporated El Dorado County (Remainder Area)	0	399	520	5	5	12	0	12	33.0
217.00	Unincorporated El Dorado County (Remainder Area)	0	739	955	10	11	31	0	31	24.0
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,723	2,232	25	28	78	0	78	22.0
219.00	Unincorporated El Dorado County (Remainder Area)	0	4,457	2,394	1,004	28	78	77	155	28.8
220.00	Unincorporated El Dorado County (Remainder Area)	0	579	759	8	9	25	0	25	23.1
221.00	El Dorado Hills	0	41,867	56,417	588	876	2,359	0	2,359	17.7
222.00	Cameron Park	0	2,664	1,393	256	26	71	26	97	27.6
223.00	Cameron Park	0	4,038	5,472	52	103	279	0	279	14.4
224.00	Unincorporated El Dorado County (Remainder Area)	0	5,420	6,339	348	95	258	29	287	18.9
225.00	Unincorporated El Dorado County (Remainder Area)	0	11,203	7,604	977	92	270	79	349	32.1
226.00	Cameron Park	0	9,898	8,574	770	131	384	76	460	21.5
227.00	Cameron Park	0	180	175	13	5	12	2	14	12.8
228.00	Cameron Park	0	23,192	30,741	508	705	1,703	20	1,723	13.5
229.00	El Dorado Hills	0	15,533	535	2,661	9	24	234	258	60.2
230.00	El Dorado Hills	0	591	785	7	12	35	0	35	16.8
231.00	Unincorporated El Dorado County (Remainder Area)	0	963	304	237	5	15	28	43	22.6
232.00	Unincorporated El Dorado County (Remainder Area)	0	2,105	2,813	28	33	92	0	92	22.9
233.00	Cameron Park	0	6,613	3,802	767	92	211	101	312	21.2
234.00	Cameron Park	0	46,969	41,211	4,544	1,004	2,306	587	2,893	16.2
235.00	Cameron Park	0	33,639	44,358	478	861	2,214	0	2,214	15.2
236.00	Cameron Park	0	17,612	23,697	298	468	1,204	9	1,213	14.5
237.00	Cameron Park	0	2,839	3,532	47	75	172	0	172	16.5
238.00	Cameron Park	0	15,084	13,606	2,015	280	676	199	875	17.2
239.00	Cameron Park	0	1,937	1,604	135	32	87	16	103	18.8
240.00	Unincorporated El Dorado County (Remainder Area)	0	7,229	9,661	107	127	345	0	345	21.0
241.00	Cameron Park	0	6,785	9,037	105	164	445	2	447	15.2
242.00	Cameron Park	0	800	1,095	9	22	60	0	60	13.4
243.00	Cameron Park	0	2,387	2,908	120	52	141	13	154	15.5
244.00	Unincorporated El Dorado County (Remainder Area)	0	1,389	1,797	23	22	57	0	57	24.5

VTM Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

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245.00	Unincorporated El Dorado County (Remainder Area)	0	839	1,062	11	10	29	0	29	29.0
246.00	Unincorporated El Dorado County (Remainder Area)	0	4,477	6,056	59	63	182	0	182	24.5
247.00	Unincorporated El Dorado County (Remainder Area)	0	14,542	16,661	350	296	646	0	646	22.5
248.00	Unincorporated El Dorado County (Remainder Area)	0	10,748	13,074	226	185	441	0	441	24.4
249.00	Unincorporated El Dorado County (Remainder Area)	0	1,928	2,098	39	27	59	0	59	32.7
250.00	Unincorporated El Dorado County (Remainder Area)	0	3,220	3,851	63	53	123	0	123	26.1
251.00	Unincorporated El Dorado County (Remainder Area)	0	4,359	5,136	91	88	224	0	224	19.5
252.00	Unincorporated El Dorado County (Remainder Area)	0	20,189	24,868	421	434	1,130	0	1,130	17.9
253.00	Unincorporated El Dorado County (Remainder Area)	0	8,630	10,790	165	147	403	0	403	21.4
254.00	Unincorporated El Dorado County (Remainder Area)	0	6,279	7,398	128	116	295	0	295	21.3
255.00	Cameron Park	0	17,023	0	5,077	0	0	426	426	40.0
256.00	Cameron Park	0	46,406	1,906	13,788	47	121	1,042	1,163	39.9
257.00	Shingle Springs	0	30,224	6,749	11,161	153	389	960	1,349	22.4
258.00	Unincorporated El Dorado County (Remainder Area)	0	1,484	1,747	51	21	58	2	60	24.9
259.00	Unincorporated El Dorado County (Remainder Area)	0	1,818	2,259	31	30	78	0	78	23.3
260.00	Shingle Springs	0	5,674	58	1,814	2	4	146	150	37.7
261.00	Shingle Springs	0	15,334	4,164	3,621	92	252	282	534	28.7
262.00	Shingle Springs	0	12,882	4,854	3,008	121	308	238	546	23.6
263.00	Shingle Springs	0	6,129	4,983	533	108	296	35	331	18.5
264.00	Shingle Springs	0	4,754	2,283	627	50	137	45	182	26.1
265.00	Unincorporated El Dorado County (Remainder Area)	0	2,402	2,957	44	45	117	0	117	20.5
266.00	Unincorporated El Dorado County (Remainder Area)	0	2,360	2,170	117	42	92	4	96	24.7
267.00	Unincorporated El Dorado County (Remainder Area)	0	5,485	6,879	127	129	336	0	336	16.3
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,272	3,755	132	69	180	6	186	17.6
269.00	Unincorporated El Dorado County (Remainder Area)	0	9,320	10,933	228	204	516	1	517	18.0
270.00	Unincorporated El Dorado County (Remainder Area)	0	2,470	3,217	42	44	113	0	113	21.8
271.00	Unincorporated El Dorado County (Remainder Area)	0	8,069	10,020	199	150	379	5	384	21.0
272.00	Unincorporated El Dorado County (Remainder Area)	0	6,785	7,729	363	131	347	23	370	18.3
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,883	10,145	254	134	391	12	403	19.5
274.00	Unincorporated El Dorado County (Remainder Area)	0	15,407	13,798	1,329	233	618	99	717	21.5
275.00	Unincorporated El Dorado County (Remainder Area)	0	15,480	18,251	457	321	828	13	841	18.4
276.00	Cameron Park	0	8,972	10,776	267	224	541	12	553	16.2
277.00	Cameron Park	0	6,237	7,889	106	161	416	0	416	15.0
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,182	6,766	84	91	247	0	247	21.0
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,673	3,504	42	45	122	0	122	21.9
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,774	2,193	33	37	98	0	98	18.1
281.00	Unincorporated El Dorado County (Remainder Area)	0	3,859	3,558	542	59	156	36	192	20.1
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,743	2,145	33	39	103	0	103	16.9
283.00	Shingle Springs	0	16,074	3,773	2,069	0	0	161	161	99.8
284.00	Shingle Springs	0	1,618	1,087	304	25	65	25	90	18.1
285.00	Unincorporated El Dorado County (Remainder Area)	0	5,128	1,490	886	12	26	66	92	55.5
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,774	2,311	29	36	95	0	95	18.6
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,713	2,173	29	34	88	0	88	19.5
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,626	3,313	46	51	135	0	135	19.4
289.00	Unincorporated El Dorado County (Remainder Area)	0	359	513	4	8	23	0	23	15.4
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,410	3,217	37	44	129	0	129	18.8
291.00	Unincorporated El Dorado County (Remainder Area)	0	9,903	12,907	181	188	463	0	463	21.4
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,543	6,272	64	72	210	0	210	21.6
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,228	1,274	32	34	77	0	77	15.9
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,015	4,639	94	97	247	0	247	16.3
295.00	Unincorporated El Dorado County (Remainder Area)	0	148,837	5,007	26,669	110	284	1,491	1,775	83.9
296.00	El Dorado Diamond Springs	0	9,616	6,672	855	117	305	56	361	26.7
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,427	3,133	57	70	182	0	182	13.3
298.00	Unincorporated El Dorado County (Remainder Area)	0	3,313	3,808	75	79	206	0	206	16.1
299.00	Unincorporated El Dorado County (Remainder Area)	0	5,076	6,047	106	106	268	0	268	18.9
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,195	1,388	26	28	71	0	71	16.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	1	2	0	2	0.1
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,963	2,474	498	57	130	33	163	24.3
303.00	El Dorado Diamond Springs	0	3,464	3,656	91	106	231	0	231	15.0
304.00	El Dorado Diamond Springs	0	6,349	378	2,381	12	27	224	251	25.3
305.00	El Dorado Diamond Springs	0	7,597	0	3,151	1	2	283	285	26.6

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306.00	El Dorado Diamond Springs	0	1,629	375	628	10	22	55	77	21.2
307.00	El Dorado Diamond Springs	0	617	494	38	16	36	2	38	16.2
308.00	El Dorado Diamond Springs	0	272	273	15	11	25	1	26	10.5
309.00	El Dorado Diamond Springs	0	532	434	52	14	32	4	36	14.8
310.00	El Dorado Diamond Springs	0	4,143	794	1,291	26	59	122	181	22.9
311.00	El Dorado Diamond Springs	0	8,528	1,197	2,114	38	87	158	245	34.9
312.00	El Dorado Diamond Springs	0	869	890	48	31	70	3	73	11.9
313.00	El Dorado Diamond Springs	0	23,376	4,175	6,898	38	99	506	605	38.7
314.00	El Dorado Diamond Springs	0	2,979	3,091	153	81	206	8	214	13.9
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	341	345	9	13	30	0	30	11.5
317.00	El Dorado Diamond Springs	0	206	210	5	8	18	0	18	11.3
318.00	Unincorporated El Dorado County (Remainder Area)	0	4,317	4,674	137	128	326	2	328	13.2
319.00	El Dorado Diamond Springs	0	1,218	1,218	91	38	99	6	105	11.6
320.00	Unincorporated El Dorado County (Remainder Area)	0	5,092	2,179	536	18	44	39	83	61.1
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,287	6,700	102	104	256	0	256	20.6
322.00	Unincorporated El Dorado County (Remainder Area)	0	7,455	8,020	551	153	387	33	420	17.8
323.00	Unincorporated El Dorado County (Remainder Area)	0	2,843	3,452	85	51	129	4	133	21.4
324.00	Unincorporated El Dorado County (Remainder Area)	0	3,636	4,775	61	64	165	0	165	22.1
325.00	Unincorporated El Dorado County (Remainder Area)	0	706	878	14	16	39	0	39	17.9
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,170	2,730	54	49	121	1	122	17.8
327.00	Placerville	0	1,704	2,004	38	40	101	0	101	16.9
328.00	Unincorporated El Dorado County (Remainder Area)	0	847	998	18	19	48	0	48	17.7
329.00	Placerville	0	4,861	5,452	124	139	317	0	317	15.3
330.00	Unincorporated El Dorado County (Remainder Area)	0	2,699	3,124	65	73	184	0	184	14.7
331.00	Unincorporated El Dorado County (Remainder Area)	0	5,820	7,131	116	110	274	0	274	21.2
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,541	1,807	36	47	104	0	104	14.8
333.00	Unincorporated El Dorado County (Remainder Area)	0	4,533	5,681	85	91	226	0	226	20.1
334.00	Unincorporated El Dorado County (Remainder Area)	0	3,808	1,176	1,313	26	58	110	168	22.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	3,013	3,287	123	77	165	5	170	17.7
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,224	1,475	25	30	70	0	70	17.4
337.00	Unincorporated El Dorado County (Remainder Area)	0	9,201	7,639	868	121	302	62	364	25.3
338.00	Unincorporated El Dorado County (Remainder Area)	0	14,133	17,918	370	322	831	14	845	16.7
339.00	Unincorporated El Dorado County (Remainder Area)	0	8,583	12,370	118	188	410	0	410	20.9
340.00	Unincorporated El Dorado County (Remainder Area)	0	6,894	8,589	224	93	205	14	219	31.5
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,490	1,919	86	31	71	8	79	18.9
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	3,271	48	48	124	0	124	21.1
343.00	Unincorporated El Dorado County (Remainder Area)	0	3,483	4,094	63	53	116	0	116	30.1
344.00	Unincorporated El Dorado County (Remainder Area)	0	3,761	4,480	68	55	120	0	120	31.3
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,794	1,948	34	29	63	0	63	28.3
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,271	1,398	24	22	49	0	49	25.7
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,908	3,674	48	42	108	0	108	26.8
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,798	2,992	62	49	110	0	110	25.4
349.00	Unincorporated El Dorado County (Remainder Area)	0	6,291	8,012	252	83	191	18	209	30.1
350.00	Unincorporated El Dorado County (Remainder Area)	0	1,179	1,683	17	22	48	0	48	24.6
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,305	1,879	16	23	50	0	50	26.0
352.00	Unincorporated El Dorado County (Remainder Area)	0	1,854	2,620	24	29	63	0	63	29.3
353.00	Unincorporated El Dorado County (Remainder Area)	0	9,021	13,260	99	167	365	1	366	24.7
354.00	Unincorporated El Dorado County (Remainder Area)	0	5,500	3,519	745	53	116	77	193	28.5
355.00	Placerville	1	14,275	6,557	2,950	241	550	244	794	18.0
356.00	Placerville	1	2,498	2,653	73	91	195	0	195	12.8
357.00	Unincorporated El Dorado County (Remainder Area)	0	4,884	3,828	366	89	209	21	230	21.3
358.00	Placerville	0	5,863	2,945	1,183	81	190	98	288	20.4
359.00	Unincorporated El Dorado County (Remainder Area)	0	4,278	5,083	93	105	254	0	254	16.8
360.00	Unincorporated El Dorado County (Remainder Area)	0	5,332	5,780	239	98	237	10	247	21.6
361.00	Placerville	1	17,717	10,274	4,147	458	938	392	1,330	13.3
362.00	Placerville	1	46,026	5,953	10,897	252	591	876	1,467	31.4
363.00	Unincorporated El Dorado County (Remainder Area)	0	327	343	9	13	31	0	31	10.6
364.00	Placerville	0	4,042	3,542	415	138	328	30	358	11.3
365.00	El Dorado Diamond Springs	0	10,877	8,657	1,043	322	722	71	793	13.7
366.00	El Dorado Diamond Springs	0	379	274	42	15	31	4	35	10.8

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367.00	El Dorado Diamond Springs	0	4,053	0	1,957	0	0	197	197	20.6
368.00	El Dorado Diamond Springs	0	1,588	1,729	48	68	149	0	149	10.7
369.00	El Dorado Diamond Springs	0	5,669	5,756	282	228	507	13	520	10.9
370.00	El Dorado Diamond Springs	0	6,428	0	3,031	0	0	303	303	21.2
371.00	El Dorado Diamond Springs	0	739	794	17	21	47	0	47	15.8
372.00	El Dorado Diamond Springs	0	16,759	7,736	2,411	195	433	211	644	26.0
373.00	El Dorado Diamond Springs	0	652	643	19	26	59	0	59	11.1
374.00	El Dorado Diamond Springs	0	414	329	29	13	28	2	30	13.6
375.00	El Dorado Diamond Springs	0	368	368	10	14	32	0	32	11.6
376.00	El Dorado Diamond Springs	0	972	933	56	34	77	3	80	12.2
377.00	El Dorado Diamond Springs	0	561	329	157	13	29	14	43	12.9
378.00	El Dorado Diamond Springs	0	667	652	19	27	59	0	59	11.3
379.00	El Dorado Diamond Springs	0	1,101	1,113	31	48	105	0	105	10.5
380.00	El Dorado Diamond Springs	0	256	245	7	12	26	0	26	9.7
381.00	El Dorado Diamond Springs	0	158	143	5	7	15	0	15	10.3
382.00	El Dorado Diamond Springs	0	261	238	8	11	24	0	24	10.8
383.00	Unincorporated El Dorado County (Remainder Area)	0	1,590	1,741	40	46	102	0	102	15.6
384.00	El Dorado Diamond Springs	0	3,651	3,970	95	120	267	0	267	13.7
385.00	El Dorado Diamond Springs	0	11,707	13,660	336	451	1,002	0	1,002	11.7
386.00	El Dorado Diamond Springs	0	2,655	2,923	67	90	200	0	200	13.3
387.00	El Dorado Diamond Springs	0	1,171	929	107	36	80	8	88	13.3
388.00	El Dorado Diamond Springs	0	6,356	0	3,060	0	0	303	303	21.0
389.00	El Dorado Diamond Springs	0	6,124	11	2,610	2	4	264	268	22.8
390.00	El Dorado Diamond Springs	0	4,304	3,899	358	182	379	23	402	10.7
391.00	El Dorado Diamond Springs	0	2,170	196	545	11	23	54	77	28.2
392.00	El Dorado Diamond Springs	0	670	600	23	28	58	0	58	11.5
393.00	El Dorado Diamond Springs	0	8,996	6,357	1,002	268	605	68	673	13.4
394.00	El Dorado Diamond Springs	0	187	202	5	8	22	0	22	8.5
395.00	Placerville	1	62,110	1,584	26,020	74	166	2,253	2,419	25.7
396.00	El Dorado Diamond Springs	0	28,073	0	5,828	0	0	439	439	63.9
397.00	El Dorado Diamond Springs	0	1,329	1,264	69	50	114	3	117	11.4
398.00	El Dorado Diamond Springs	0	413	322	38	14	32	3	35	11.9
399.00	El Dorado Diamond Springs	0	1,125	1,133	32	43	97	0	97	11.6
400.00	El Dorado Diamond Springs	0	312	261	11	16	33	0	33	9.4
401.00	Placerville	0	8,965	657	2,622	28	63	213	276	32.5
402.00	El Dorado Diamond Springs	0	3,539	1,447	1,075	51	133	106	239	14.8
403.00	El Dorado Diamond Springs	0	23,778	3,632	7,768	124	258	654	912	26.1
404.00	El Dorado Diamond Springs	0	1,343	409	458	19	42	49	91	14.8
405.00	El Dorado Diamond Springs	0	169	150	5	9	20	0	20	8.6
406.00	El Dorado Diamond Springs	0	18,918	553	3,777	24	53	286	339	55.9
407.00	El Dorado Diamond Springs	0	9,522	18	3,371	1	2	309	311	30.6
408.00	El Dorado Diamond Springs	0	4,163	22	1,738	1	2	182	184	22.6
409.00	Placerville	0	18,656	3,019	5,639	104	248	445	693	26.9
410.00	El Dorado Diamond Springs	0	24,411	14,628	3,595	426	1,031	277	1,308	18.7
411.00	Placerville	1	50,461	6,162	13,258	298	712	1,271	1,983	25.4
412.00	Unincorporated El Dorado County (Remainder Area)	0	2,967	3,204	79	86	206	0	206	14.4
413.00	Placerville	0	3,605	3,789	102	126	301	0	301	12.0
414.00	El Dorado Diamond Springs	0	2,617	130	1,177	7	15	120	135	19.4
415.00	Unincorporated El Dorado County (Remainder Area)	0	434	442	12	18	40	0	40	10.7
416.00	El Dorado Diamond Springs	0	147	145	4	9	19	0	19	7.9
417.00	Placerville	1	9,667	1,098	2,860	45	114	278	392	24.7
418.00	Placerville	1	3,160	0	671	0	0	64	64	49.4
419.00	Placerville	1	3,274	0	842	0	0	85	85	38.5
420.00	Placerville	1	1,759	957	497	42	100	52	152	11.5
421.00	Placerville	1	1,658	1,575	97	68	163	5	168	9.9
422.00	Placerville	1	52,632	6,326	24,602	278	652	1,907	2,559	20.6
423.00	Unincorporated El Dorado County (Remainder Area)	0	460	482	12	20	48	0	48	9.6
424.00	Placerville	0	10,230	4,843	2,511	171	391	228	619	16.5
425.00	Placerville	0	52,794	32,212	5,933	1,167	2,617	563	3,180	16.6
426.00	Placerville	0	859	990	19	33	82	0	82	10.4
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,959	4,548	92	93	232	0	232	17.1

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428.00	Unincorporated El Dorado County (Remainder Area)	0	643	741	15	22	55	0	55	11.7
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,310	1,651	34	35	83	0	83	15.9
430.00	Unincorporated El Dorado County (Remainder Area)	0	2,528	2,476	178	58	137	10	147	17.2
431.00	Placerville	1	1,792	472	653	22	45	60	105	17.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,276	10,527	2,689	309	729	229	958	16.0
433.00	Placerville	1	10,417	9,664	704	481	1,041	36	1,077	9.7
434.00	Placerville	1	672	587	23	33	71	0	71	9.5
435.00	Placerville	1	1,186	646	242	36	77	27	104	11.4
436.00	Unincorporated El Dorado County (Remainder Area)	0	968	1,149	20	25	62	0	62	15.5
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,370	5,674	247	117	287	12	299	18.0
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,579	5,275	232	124	278	11	289	19.3
439.00	Unincorporated El Dorado County (Remainder Area)	0	5,413	6,308	172	156	350	3	353	15.3
440.00	Unincorporated El Dorado County (Remainder Area)	0	1,394	1,100	177	28	63	15	78	17.9
441.00	Placerville	1	362	377	9	12	29	0	29	12.6
442.00	Placerville	1	13,106	10,685	1,033	313	768	69	837	15.7
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,456	1,567	36	38	85	0	85	17.1
444.00	Unincorporated El Dorado County (Remainder Area)	0	199	220	5	8	19	0	19	10.4
445.00	Placerville	0	1,042	902	150	23	56	11	67	15.5
446.00	Placerville	1	1,759	851	246	25	59	19	78	22.6
447.00	Unincorporated El Dorado County (Remainder Area)	0	3,243	3,966	67	76	189	0	189	17.1
448.00	Placerville	0	1,802	2,094	74	53	130	4	134	13.4
449.00	Unincorporated El Dorado County (Remainder Area)	0	539	573	14	14	30	0	30	18.0
450.00	Unincorporated El Dorado County (Remainder Area)	0	3,267	2,680	391	84	180	31	211	15.5
451.00	Unincorporated El Dorado County (Remainder Area)	0	979	1,035	25	27	58	0	58	16.9
452.00	Placerville	0	6,269	4,036	499	121	259	33	292	21.5
453.00	Placerville	1	2,914	3,085	120	145	310	1	311	9.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	567	544	18	25	54	0	54	10.6
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,710	3,063	66	73	172	0	172	15.7
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,878	2,061	48	51	109	0	109	17.2
457.00	Unincorporated El Dorado County (Remainder Area)	0	2,805	3,061	129	62	137	5	142	19.8
458.00	Placerville	0	2,938	2,603	342	67	157	26	183	16.0
459.00	Placerville	0	309	353	7	11	26	0	26	12.0
460.00	Unincorporated El Dorado County (Remainder Area)	0	1,457	966	264	22	47	20	67	21.7
461.00	Unincorporated El Dorado County (Remainder Area)	0	1,565	222	615	6	14	59	73	21.4
462.00	Unincorporated El Dorado County (Remainder Area)	0	5,224	1,281	1,749	31	66	125	191	27.3
463.00	Unincorporated El Dorado County (Remainder Area)	0	4,469	7,252	39	85	194	0	194	23.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,527	3,315	39	47	104	0	104	24.4
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,953	5,697	114	58	134	16	150	26.4
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,543	4,421	201	61	139	22	161	22.0
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,483	3,848	23	39	89	0	89	27.9
468.00	Unincorporated El Dorado County (Remainder Area)	0	6,780	9,769	124	120	277	6	283	24.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	4,091	5,681	136	59	131	15	146	28.1
470.00	Unincorporated El Dorado County (Remainder Area)	0	2,030	3,077	27	32	73	1	74	27.4
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,478	2,040	54	23	53	6	59	25.3
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,953	2,296	146	26	59	20	79	24.6
473.00	Unincorporated El Dorado County (Remainder Area)	0	602	576	30	10	23	2	25	24.1
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,693	2,180	28	37	81	0	81	21.0
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,798	2,385	27	38	83	0	83	21.7
476.00	Unincorporated El Dorado County (Remainder Area)	0	860	1,125	12	16	41	0	41	20.8
477.00	Unincorporated El Dorado County (Remainder Area)	0	2,038	2,559	124	30	69	15	84	24.2
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,480	1,916	24	30	66	0	66	22.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	4,067	3,158	439	51	118	37	155	26.3
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,298	1,999	13	20	46	0	46	28.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,335	2,029	15	20	44	0	44	30.4
482.00	Unincorporated El Dorado County (Remainder Area)	0	5,631	7,941	92	74	163	3	166	34.0
483.00	Unincorporated El Dorado County (Remainder Area)	0	4,435	5,261	173	115	249	9	258	17.2
484.00	Unincorporated El Dorado County (Remainder Area)	0	6,759	5,656	944	91	227	114	341	19.8
485.00	Unincorporated El Dorado County (Remainder Area)	0	1,059	1,522	11	15	37	0	37	28.3
486.00	Unincorporated El Dorado County (Remainder Area)	0	4,061	5,879	47	69	156	0	156	26.1
487.00	Unincorporated El Dorado County (Remainder Area)	0	11,813	11,350	737	221	519	36	555	21.3
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,527	7,566	86	107	242	0	242	22.9

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489.00	Unincorporated El Dorado County (Remainder Area)	0	6,882	7,093	658	133	300	58	358	19.2
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,173	1,530	19	24	60	0	60	19.6
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,376	9,121	177	160	399	3	402	18.4
492.00	Unincorporated El Dorado County (Remainder Area)	0	5,053	4,478	408	71	176	31	207	24.4
493.00	Unincorporated El Dorado County (Remainder Area)	0	5,094	4,566	369	72	178	26	204	24.9
494.00	Unincorporated El Dorado County (Remainder Area)	0	3,259	3,967	138	68	170	10	180	18.2
495.00	Unincorporated El Dorado County (Remainder Area)	0	652	850	11	16	40	0	40	16.3
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,360	4,574	829	81	201	67	268	27.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	4,326	5,730	101	88	224	3	227	19.0
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,444	4,471	104	70	158	6	164	21.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,339	1,788	22	30	75	0	75	17.9
500.00	Unincorporated El Dorado County (Remainder Area)	0	4,089	1,342	602	11	26	51	77	53.2
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,805	1,019	767	22	49	83	132	21.3
502.00	Unincorporated El Dorado County (Remainder Area)	0	6,996	7,682	350	117	272	18	290	24.1
503.00	Unincorporated El Dorado County (Remainder Area)	0	4,150	0	1,008	1	2	76	78	53.1
504.00	Unincorporated El Dorado County (Remainder Area)	0	6,092	6,506	342	141	313	19	332	18.4
505.00	Unincorporated El Dorado County (Remainder Area)	0	74	86	1	3	7	0	7	11.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,026	1,246	22	28	62	0	62	16.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,748	2,384	392	50	116	37	153	17.9
508.00	Unincorporated El Dorado County (Remainder Area)	0	6,683	3,512	1,835	85	184	186	370	18.1
509.00	Unincorporated El Dorado County (Remainder Area)	0	392	428	22	12	27	2	29	13.7
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,230	3,513	157	92	199	10	209	15.5
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,735	1,888	358	45	105	33	138	19.9
512.00	Unincorporated El Dorado County (Remainder Area)	0	2,831	1,984	366	37	86	27	113	25.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,431	10,761	84	142	354	0	354	21.0
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,859	46,956	311	622	1,551	0	1,551	20.5
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,607	4,793	105	69	176	8	184	19.6
516.00	Unincorporated El Dorado County (Remainder Area)	0	8,113	11,782	87	142	362	0	362	22.4
517.00	Unincorporated El Dorado County (Remainder Area)	0	18,964	21,282	1,111	388	857	101	958	19.8
518.00	Unincorporated El Dorado County (Remainder Area)	0	11,916	15,769	306	289	671	17	688	17.3
519.00	Unincorporated El Dorado County (Remainder Area)	0	5,877	7,840	190	142	330	12	342	17.2
520.00	Unincorporated El Dorado County (Remainder Area)	0	11,949	16,166	268	266	617	12	629	19.0
521.00	Unincorporated El Dorado County (Remainder Area)	0	10,866	13,165	579	290	641	60	701	15.5
522.00	Unincorporated El Dorado County (Remainder Area)	0	5,093	7,233	64	85	221	0	221	23.0
523.00	Unincorporated El Dorado County (Remainder Area)	0	16,427	10,415	1,908	240	588	206	794	20.7
524.00	Unincorporated El Dorado County (Remainder Area)	0	14,678	12,656	1,113	205	490	103	593	24.7
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,886	7,159	44	85	199	0	199	24.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	245	336	3	5	12	0	12	20.1
527.00	Unincorporated El Dorado County (Remainder Area)	0	7,764	9,533	360	162	380	38	418	18.6
528.00	Unincorporated El Dorado County (Remainder Area)	0	59,892	84,501	792	1,001	2,429	72	2,501	24.0
529.00	Unincorporated El Dorado County (Remainder Area)	0	918	1,150	13	15	36	0	36	25.3
530.00	Unincorporated El Dorado County (Remainder Area)	0	12,907	17,298	191	191	462	0	462	28.0
531.00	Unincorporated El Dorado County (Remainder Area)	0	2,524	3,387	35	34	82	0	82	30.7
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,995	5,155	59	61	147	0	147	27.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	9,307	8,574	644	105	271	34	305	30.5
534.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	4,948	52	53	128	0	128	29.5
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,931	7,810	74	91	221	0	221	26.8
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,086	6,581	64	82	200	0	200	25.5
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,389	14,148	106	165	402	0	402	25.9
538.00	Unincorporated El Dorado County (Remainder Area)	0	4,962	3,048	304	44	107	22	129	30.8
539.00	Unincorporated El Dorado County (Remainder Area)	0	12,976	1,297	2,070	6	15	166	181	71.9
540.00	Unincorporated El Dorado County (Remainder Area)	0	2,853	0	571	0	0	53	53	53.8
541.00	Unincorporated El Dorado County (Remainder Area)	0	1,050	1,119	61	18	42	6	48	21.8
542.00	Unincorporated El Dorado County (Remainder Area)	0	3,607	3,095	412	52	123	37	160	22.5
543.00	Unincorporated El Dorado County (Remainder Area)	0	10,531	2,435	1,772	49	114	107	221	47.5
544.00	Unincorporated El Dorado County (Remainder Area)	0	679	496	103	9	21	8	29	23.4
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	2,045	16	23	54	0	54	28.3
546.00	Unincorporated El Dorado County (Remainder Area)	0	4,809	6,425	54	61	143	0	143	33.7
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,016	524	480	10	23	46	69	57.9
548.00	Unincorporated El Dorado County (Remainder Area)	0	17,465	23,308	466	386	910	22	932	18.7
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,156	2,716	39	42	99	0	99	21.8

VTM Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
550.00	Unincorporated El Dorado County (Remainder Area)	0	265	347	4	7	18	0	18	14.7
551.00	Unincorporated El Dorado County (Remainder Area)	0	5,413	2,524	781	41	105	54	159	33.9
552.00	Unincorporated El Dorado County (Remainder Area)	0	2,433	423	500	8	19	32	51	48.0
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,567	2,058	26	32	75	0	75	21.0
554.00	Unincorporated El Dorado County (Remainder Area)	0	4,043	5,246	105	83	194	4	198	20.4
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,652	2,239	24	34	80	0	80	20.5
556.00	Unincorporated El Dorado County (Remainder Area)	0	5,087	6,967	66	82	192	0	192	26.5
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,697	2,096	31	35	82	1	83	20.5
558.00	Unincorporated El Dorado County (Remainder Area)	0	2,717	2,988	163	36	84	19	103	26.3
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,381	1,833	17	25	59	0	59	23.6
560.00	Unincorporated El Dorado County (Remainder Area)	0	1,604	1,675	100	27	63	10	73	21.9
561.00	Unincorporated El Dorado County (Remainder Area)	0	1,180	1,577	18	22	52	0	52	22.7
562.00	Unincorporated El Dorado County (Remainder Area)	0	4,014	5,898	39	62	145	0	145	27.6
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,208	3,360	17	32	71	0	71	31.2
564.00	Unincorporated El Dorado County (Remainder Area)	0	620	834	10	14	33	0	33	18.5
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,632	3,671	38	56	129	0	129	20.4
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,996	5,390	70	93	220	1	221	18.1
567.00	Unincorporated El Dorado County (Remainder Area)	0	671	817	25	18	42	2	44	15.4
568.00	Unincorporated El Dorado County (Remainder Area)	0	931	1,261	14	26	62	0	62	15.1
569.00	Unincorporated El Dorado County (Remainder Area)	0	3,704	2,856	297	61	144	31	175	21.1
570.00	Unincorporated El Dorado County (Remainder Area)	0	4,735	2,122	773	40	92	92	184	25.7
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,371	1,845	22	33	76	0	76	18.0
572.00	Unincorporated El Dorado County (Remainder Area)	0	1,866	1,379	262	25	61	34	95	19.6
573.00	Unincorporated El Dorado County (Remainder Area)	0	6,500	7,838	121	89	197	2	199	32.7
574.00	Unincorporated El Dorado County (Remainder Area)	0	5,052	7,999	30	71	174	0	174	29.0
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,775	4,114	16	29	71	0	71	39.0
576.00	Unincorporated El Dorado County (Remainder Area)	0	1,092	1,543	16	19	42	1	43	25.4
577.00	Unincorporated El Dorado County (Remainder Area)	0	752	1,116	7	13	29	0	29	26.2
578.00	Unincorporated El Dorado County (Remainder Area)	0	23,453	37,248	105	370	817	0	817	28.7
579.00	Unincorporated El Dorado County (Remainder Area)	0	3,790	5,278	100	38	96	12	108	35.0
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,893	4,142	62	35	89	5	94	30.8
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,276	5,103	290	43	95	32	127	33.8
582.00	Unincorporated El Dorado County (Remainder Area)	0	1,257	1,707	16	13	34	0	34	37.2
583.00	Unincorporated El Dorado County (Remainder Area)	0	27,712	43,300	212	352	774	10	784	35.3
584.00	Unincorporated El Dorado County (Remainder Area)	0	1,734	2,095	55	18	40	3	43	40.6
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,566	14,363	77	124	273	0	273	35.1
586.00	Unincorporated El Dorado County (Remainder Area)	0	5,834	2,528	1,553	51	91	92	183	31.9
587.00	Unincorporated El Dorado County (Remainder Area)	0	2,279	3,415	17	39	99	0	99	22.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	19,730	30,129	125	323	805	0	805	24.5
589.00	Unincorporated El Dorado County (Remainder Area)	0	393	627	2	3	12	0	12	32.8
590.00	Unincorporated El Dorado County (Remainder Area)	0	830	1,145	12	18	46	0	46	18.2
591.00	Unincorporated El Dorado County (Remainder Area)	0	86	122	1	3	8	0	8	11.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	12,723	13,302	737	339	749	91	840	15.1
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,943	9,099	264	151	382	28	410	16.9
594.00	Unincorporated El Dorado County (Remainder Area)	0	16,944	24,795	182	312	790	5	795	21.3
595.00	Unincorporated El Dorado County (Remainder Area)	0	1,939	1,826	264	25	56	31	87	22.2
596.00	Unincorporated El Dorado County (Remainder Area)	0	2,830	2,780	220	34	85	25	110	25.8
597.00	Unincorporated El Dorado County (Remainder Area)	0	11,025	4,045	1,910	106	234	278	512	21.5
598.00	Unincorporated El Dorado County (Remainder Area)	0	1,716	544	258	14	31	35	66	26.0
599.00	Unincorporated El Dorado County (Remainder Area)	0	712	970	11	17	38	0	38	18.9
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,264	11,086	1,263	205	453	130	583	19.3
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,339	1,904	4	10	22	0	22	60.9
602.00	Unincorporated El Dorado County (Remainder Area)	0	432	137	53	3	5	2	7	58.9
603.00	Unincorporated El Dorado County (Remainder Area)	0	905	731	83	11	20	2	22	42.0
604.00	Unincorporated El Dorado County (Remainder Area)	0	1,417	1,776	108	17	33	3	36	39.2
605.00	Unincorporated El Dorado County (Remainder Area)	0	1,652	1,767	86	18	38	2	40	41.3
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,527	4,851	11	19	49	0	49	71.4
608.00	Unincorporated El Dorado County (Remainder Area)	0	6	0	0	1	2	0	2	2.9
609.00	Unincorporated El Dorado County (Remainder Area)	0	3,028	3,214	116	34	72	4	76	40.0
610.00	El Dorado Hills	0	38,903	186	20,507	0	0	1,745	1,745	22.3

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=No)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
611.00	El Dorado Hills	0	315	0	10	153	0	1	1	315.3
612.00	El Dorado Hills	0	79,334	0	44,512	0	0	3,121	3,121	25.4
613.00	Unincorporated El Dorado County (Remainder Area)	0	71	67	1	2	5	0	5	13.8
614.00	El Dorado Hills	0	5,948	7,058	115	150	383	0	383	15.5
615.00	El Dorado Hills	0	12,122	9,010	1,035	150	402	75	477	25.4
616.00	El Dorado Hills	0	1,373	1,632	25	37	94	0	94	14.7
617.00	El Dorado Hills	0	20,549	12,628	1,251	187	547	118	665	30.9
618.00	El Dorado Hills	0	3,118	0	1,249	0	0	146	146	21.4
619.00	El Dorado Hills	0	3,455	0	1,254	0	0	151	151	22.9
620.00	El Dorado Hills	0	17,790	3,467	1,780	0	0	188	188	94.6
621.00	El Dorado Hills	0	14,260	18,717	223	327	957	0	957	14.9
622.00	El Dorado Hills	0	21,893	21,404	1,626	370	1,083	147	1,230	17.8
623.00	Unincorporated El Dorado County (Remainder Area)	0	392	0	174	0	0	16	16	24.5
624.00	El Dorado Hills	0	15,599	17,465	1,192	308	905	96	1,001	15.6
625.00	El Dorado Hills	0	862	0	419	0	0	40	40	21.5
626.00	Unincorporated El Dorado County (Remainder Area)	0	8,660	7,457	1,118	164	383	98	481	18.0
627.00	Unincorporated El Dorado County (Remainder Area)	0	54,235	0	11,312	0	0	897	897	60.5
628.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	1,441	1,733	25	37	94	0	94	15.4
633.00	Unincorporated El Dorado County (Remainder Area)	0	6,277	7,449	122	150	379	0	379	16.5
634.00	Unincorporated El Dorado County (Remainder Area)	0	6,458	7,746	121	150	379	0	379	17.0
635.00	Unincorporated El Dorado County (Remainder Area)	0	4,955	5,888	93	113	286	0	286	17.3
636.00	Unincorporated El Dorado County (Remainder Area)	0	4,347	6,057	81	120	322	0	322	13.5
637.00	Unincorporated El Dorado County (Remainder Area)	0	8,072	9,896	140	171	458	0	458	17.6
638.00	Unincorporated El Dorado County (Remainder Area)	0	1,036	1,265	16	23	62	0	62	16.8
639.00	Unincorporated El Dorado County (Remainder Area)	0	2,266	2,811	36	46	123	0	123	18.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	7,668	9,574	126	176	472	0	472	16.3
641.00	Unincorporated El Dorado County (Remainder Area)	0	2,083	2,595	33	46	123	0	123	16.9
642.00	Unincorporated El Dorado County (Remainder Area)	0	28,406	33,354	1,272	637	1,708	93	1,801	15.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	9,795	12,064	163	216	579	0	579	16.9
644.00	Unincorporated El Dorado County (Remainder Area)	0	2,917	3,667	47	76	194	0	194	15.0
645.00	Unincorporated El Dorado County (Remainder Area)	0	21,187	24,597	949	415	1,059	51	1,110	19.1
646.00	Unincorporated El Dorado County (Remainder Area)	0	8,810	11,028	154	192	490	0	490	18.0
647.00	Unincorporated El Dorado County (Remainder Area)	0	1,583	1,888	69	38	97	6	103	15.4
648.00	Unincorporated El Dorado County (Remainder Area)	0	1,814	2,168	46	38	97	2	99	18.3
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,509	3,116	31	38	97	0	97	56.8
650.00	Outside of County	0	3,016,820	1,488,748	469,267	0	0	0	0	-
651.00	Outside of County	0	28,426	14,344	4,176	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	391,371	159,936	51,254	0	0	0	0	-
654.00	Outside of County	0	56,156	9,112	2,866	0	0	0	0	-
655.00	Outside of County	0	269,215	107,941	35,041	0	0	0	0	-
656.00	Outside of County	0	76,859	18,184	8,636	0	0	0	0	-
657.00	Outside of County	0	186,245	8,204	3,818	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	7,523	3,140	1,412	0	0	0	0	-
660.00	Outside of County	0	164,060	81,965	31,459	0	0	0	0	-
661.00	Outside of County	0	156,934	71,840	25,593	0	0	0	0	-
662.00	Outside of County	0	696,829	338,114	118,574	0	0	0	0	-
663.00	Outside of County	0	678,756	227,156	80,654	0	0	0	0	-
664.00	Outside of County	0	348,286	190,507	54,820	0	0	0	0	-
665.00	Outside of County	0	199,782	79,812	30,882	0	0	0	0	-
666.00	Outside of County	0	88,319	45,161	14,302	0	0	0	0	-
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	512,031	310,572	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	169,825	95,998	23,701	0	0	0	0	-

VMT Summary by Jurisdiction - 2018 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
672.00	Outside of County	0	33,238	34,231	0	0	0	0	0	-
673.00	Outside of County	0	24,890	14,910	0	0	0	0	0	-
674.00	Outside of County	0	355,404	29,973	0	0	0	0	0	-

- **VMT Detail 2040 No Project**

VMT Summary by Jurisdiction - 2040 Baseline Scenario

Jurisdiction	VMT Estimates			VMT Efficiency Metrics			Population Details				
	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	412,344	63,026	104,452	25.3	8.2	12.1	3,438	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,398,900	3,524,835	684,480	22.6	19.3	12.1	73,480	182,290	56,442	238,733	2.48
229	40,893	33,562	2,317	17.86	16.28	10.15	793	2,061	228	2,289	2.60
Threshold (85% of Unincorporated El Dorado County)					16.4	10.3					

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,632	1,775	811	47	99	36	135	41.7
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,406	24,655	860	593	1,338	77	1,415	16.5
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,173	6,366	97	75	180	0	180	28.8
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,119	1,416	17	16	35	0	35	32.2
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,622	3,598	26	33	73	0	73	35.9
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,787	15,861	499	367	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,590	27,064	1,328	566	1,223	92	1,315	18.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,516	572	1,946	15	38	129	167	69.1
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,152	30,416	619	560	1,400	13	1,413	17.8
10.00	Outside of County	0	109,249	84,100	11,854	2,220	5,588	1,057	6,645	16.4
11.00	Outside of County	0	112,257	77,836	14,112	2,188	5,511	1,298	6,809	16.5
12.00	Outside of County	0	59,083	43,311	5,005	1,184	3,234	438	3,672	16.1
13.00	Outside of County	0	34,179	38,969	1,592	907	2,458	99	2,557	13.4
14.00	Outside of County	0	57,659	65,482	1,734	1,511	4,120	78	4,198	13.7
15.00	Outside of County	0	2,929	3,715	60	58	166	0	166	17.7
16.00	Outside of County	0	57,141	20,678	7,926	663	1,614	690	2,304	24.8
17.00	Outside of County	0	144,038	127,466	11,715	2,892	7,160	1,365	8,525	16.9
18.00	Outside of County	0	79,503	90,669	3,158	1,943	4,652	246	4,898	16.2
19.00	Outside of County	0	9,726	5,453	949	97	217	103	320	30.4
20.00	Outside of County	0	7,697	143	4,128	2	7	283	290	26.5
21.00	Outside of County	0	26,232	73	13,536	2	4	1,082	1,086	24.2
22.00	Outside of County	0	1,695	10	339	1	1	21	22	77.0
23.00	Outside of County	0	28,664	12,442	3,654	115	322	261	583	49.1
24.00	Outside of County	0	4,226	3,143	138	135	133	0	133	31.8
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	105,292	99,062	7,257	2,280	5,070	643	5,713	18.4
27.00	Outside of County	0	8,032	74	2,922	2	5	338	343	23.4
28.00	Outside of County	0	233,455	195,265	16,262	4,923	12,553	1,929	14,482	16.1
29.00	Outside of County	0	8,333	10,568	154	173	486	0	486	17.2
30.00	Outside of County	0	68,344	70,453	5,281	1,194	3,041	368	3,409	20.0
31.00	Outside of County	0	9,775	4,986	575	41	106	44	150	65.0
32.00	Outside of County	0	28,754	37,243	622	694	1,811	21	1,832	15.7
33.00	Outside of County	0	36,470	45,242	1,223	857	2,183	69	2,252	16.2
34.00	Outside of County	0	5,914	5,868	673	69	156	32	188	31.4
35.00	Outside of County	0	30,640	37,163	750	826	2,092	0	2,092	14.6
36.00	Outside of County	0	36,685	44,441	853	910	2,318	0	2,318	15.8
37.00	Outside of County	0	58,817	2,611	22,269	57	142	1,644	1,786	32.9
38.00	Outside of County	0	6,795	3,965	672	57	142	45	187	36.4
39.00	Outside of County	0	16,994	14,214	2,127	514	1,180	181	1,361	12.5
40.00	Outside of County	0	76,127	21,497	16,257	851	1,972	1,905	3,877	19.6
41.00	Outside of County	0	36,628	25,270	8,077	592	1,368	567	1,935	18.9
42.00	Outside of County	0	171,357	96,258	22,030	2,122	5,108	1,916	7,024	24.4
43.00	Outside of County	0	33,439	39,019	886	849	2,170	46	2,216	15.1
44.00	Outside of County	0	108,055	79,669	8,083	1,831	4,654	793	5,447	19.8
45.00	Outside of County	0	72,708	22,588	12,159	846	1,936	1,262	3,198	22.7
46.00	Outside of County	0	5,981	6,651	149	167	375	0	375	15.9
47.00	Outside of County	0	203,301	9,639	80,589	291	681	5,995	6,676	30.5
48.00	Outside of County	0	49,057	43,186	3,777	1,212	3,071	266	3,337	14.7
49.00	Outside of County	0	114,335	612	53,685	18	45	4,248	4,293	26.6
50.00	Outside of County	0	72,712	36,039	21,580	981	2,487	1,737	4,224	17.2
51.00	Outside of County	0	100,368	52,731	16,263	1,711	4,116	1,373	5,489	18.3
52.00	Outside of County	0	30,581	14,909	3,248	279	629	279	908	33.7
53.00	Outside of County	0	80,445	48,682	11,215	1,399	3,606	983	4,589	17.5
54.00	Outside of County	0	59,635	22,354	22,110	494	1,220	1,748	2,968	20.1
55.00	Outside of County	0	77,069	30,033	14,056	639	1,471	1,127	2,598	29.7
56.00	Outside of County	0	36,017	40,547	1,315	872	2,337	56	2,393	15.0
57.00	Outside of County	0	107,446	24,405	47,253	677	1,466	4,153	5,619	19.1
58.00	Outside of County	0	36,292	26,230	4,464	614	1,587	352	1,939	18.7
59.00	Outside of County	0	45,136	88	26,807	2	5	2,194	2,199	20.5
60.00	Outside of County	0	67,791	8,214	30,713	240	512	2,712	3,224	21.0
61.00	Outside of County	0	139,485	86,439	22,354	2,382	5,595	1,811	7,406	18.8

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
62.00	Outside of County	0	51,306	1,904	23,438	33	110	2,003	2,113	24.3
63.00	Outside of County	0	66,131	5,315	26,969	143	350	2,462	2,812	23.5
64.00	Outside of County	0	130,301	74,468	21,179	2,040	5,053	1,736	6,789	19.2
65.00	Outside of County	0	5,650	6,405	125	127	328	0	328	17.2
66.00	Outside of County	0	37,838	28,386	4,209	887	2,117	331	2,448	15.5
67.00	Outside of County	0	118,436	22,012	39,056	648	1,374	3,383	4,757	24.9
68.00	Outside of County	0	39,071	12,598	10,953	453	946	1,002	1,948	20.1
69.00	Outside of County	0	240,090	68,785	96,078	1,956	5,172	7,380	12,552	19.1
70.00	Outside of County	0	162,133	1,036	96,935	15	38	7,504	7,542	21.5
71.00	Outside of County	0	213,075	129,302	29,620	2,609	6,730	2,419	9,149	23.3
72.00	Outside of County	0	269,272	720	153,401	0	0	10,091	10,091	26.7
73.00	Outside of County	0	96,159	0	59,933	0	0	4,615	4,615	20.8
74.00	Outside of County	0	134,500	17,268	65,876	547	1,335	5,258	6,593	20.4
75.00	Outside of County	0	82,812	59,855	16,811	1,946	4,535	1,072	5,607	14.8
76.00	Outside of County	0	27,959	17,102	3,938	497	1,333	313	1,646	17.0
77.00	Outside of County	0	80,472	41,415	19,220	1,068	2,684	1,384	4,068	19.8
78.00	Outside of County	0	71,902	0	21,084	1	2	1,777	1,777	40.4
79.00	Outside of County	0	82,356	62,785	9,487	1,368	3,258	621	3,879	21.2
80.00	Outside of County	0	33,555	0	16,213	0	0	1,306	1,306	25.7
81.00	Outside of County	0	178,819	0	99,572	0	0	7,817	7,817	22.9
82.00	Outside of County	0	52,256	0	25,933	0	0	2,171	2,171	24.1
83.00	Outside of County	0	50,247	33,813	6,489	598	1,536	460	1,996	25.2
84.00	Outside of County	0	51,923	41,845	4,071	1,305	3,049	306	3,355	15.5
85.00	Outside of County	0	55,323	45,846	4,659	1,262	3,154	354	3,508	15.8
86.00	Outside of County	0	86,341	61,192	8,319	1,996	4,538	681	5,219	16.5
87.00	Outside of County	0	64,362	51,607	7,763	1,846	3,996	613	4,609	14.0
88.00	Outside of County	0	72,142	42,741	8,506	1,184	2,955	696	3,651	19.8
89.00	Outside of County	0	19,332	0	6,371	0	0	455	455	42.5
90.00	Outside of County	0	58,814	2,054	29,176	94	157	2,455	2,612	22.5
91.00	Outside of County	0	100,447	13,449	36,451	389	997	3,846	4,843	20.7
92.00	Outside of County	0	51,454	48,505	2,589	1,235	2,964	133	3,097	16.6
93.00	Outside of County	0	93,540	63,734	19,063	1,400	3,459	1,485	4,944	18.9
94.00	Outside of County	0	1,060	95	419	2	4	41	45	23.6
95.00	Outside of County	0	119,540	0	63,210	0	0	4,542	4,542	26.3
96.00	Outside of County	0	162,828	52,978	56,105	1,046	2,520	3,885	6,405	25.4
97.00	Outside of County	0	51,052	46,097	3,741	1,049	2,624	350	2,974	17.2
98.00	Outside of County	0	85,821	13,078	27,604	383	984	2,707	3,691	23.3
99.00	Outside of County	0	70,924	27,364	23,481	806	1,976	2,391	4,367	16.2
100.00	Outside of County	0	19,723	24,651	394	477	1,178	0	1,178	16.7
101.00	Outside of County	0	52,369	39,841	7,977	884	2,253	822	3,075	17.0
102.00	Outside of County	0	20,495	4,747	5,516	93	237	467	704	29.1
103.00	Outside of County	0	90,347	100,235	3,444	2,486	5,823	281	6,104	14.8
104.00	Outside of County	0	57,426	8,707	11,864	186	451	870	1,321	43.5
105.00	Outside of County	0	36,592	46,735	748	1,028	2,513	10	2,523	14.5
106.00	Outside of County	0	6,535	0	2,941	0	0	283	283	23.1
107.00	Outside of County	0	322,117	42,527	105,633	1,400	3,008	7,461	10,469	30.8
108.00	Outside of County	0	28,517	17,176	5,961	376	988	479	1,467	19.4
109.00	Outside of County	0	17,725	0	7,660	0	0	563	563	31.5
110.00	Outside of County	0	65,612	9,040	31,097	209	495	2,207	2,702	24.3
111.00	Outside of County	0	86,763	7,622	16,499	223	512	1,049	1,561	55.6
112.00	Outside of County	0	134,596	29,515	27,151	763	2,056	2,119	4,175	32.2
113.00	Outside of County	0	54,616	117	24,118	0	0	2,386	2,386	22.9
114.00	Outside of County	0	35,702	28,441	6,487	809	2,141	572	2,713	13.2
115.00	Outside of County	0	151,470	82,117	21,180	1,936	4,875	1,590	6,465	23.4
116.00	Outside of County	0	3,036	0	1,588	0	0	116	116	26.2
117.00	Outside of County	0	51,505	16,687	15,547	328	920	1,448	2,368	21.7
118.00	Outside of County	0	75,544	78,869	3,267	2,338	6,182	191	6,373	11.9
119.00	Outside of County	0	134,548	6,980	62,937	216	540	6,222	6,762	19.9
120.00	Outside of County	0	183,268	0	44,585	0	0	4,680	4,680	39.2
121.00	Outside of County	0	140,374	46,911	19,903	1,513	3,882	1,917	5,799	24.2
122.00	Outside of County	0	57,593	14,531	10,685	533	1,248	1,126	2,374	24.3

VTM Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
123.00	Outside of County	0	29,137	6,749	5,204	200	547	536	1,083	26.9
124.00	Outside of County	0	52,472	46,942	2,806	1,044	2,229	168	2,397	21.9
125.00	Outside of County	0	28,001	9,835	5,608	415	817	583	1,400	20.0
126.00	Outside of County	0	16,268	4,763	2,931	156	342	274	616	26.4
127.00	Outside of County	0	38,663	32,987	2,402	870	1,855	169	2,024	19.1
128.00	Outside of County	0	65,811	46,656	6,850	1,262	2,600	538	3,138	21.0
129.00	Outside of County	0	41,055	42,694	1,829	1,046	2,302	117	2,419	17.0
130.00	Outside of County	0	20,969	8,891	2,669	342	786	298	1,084	19.3
131.00	Outside of County	0	48,289	14,525	11,497	494	1,013	1,272	2,285	21.1
132.00	Outside of County	0	27,853	22,663	2,786	556	1,258	235	1,493	18.7
133.00	Outside of County	0	118,452	56,585	14,466	2,078	5,182	1,628	6,810	17.4
134.00	Outside of County	0	61,284	29,181	18,152	1,074	2,483	1,578	4,061	15.1
135.00	Outside of County	0	50,879	0	27,948	0	0	2,740	2,740	18.6
136.00	Outside of County	0	25,414	26,670	1,388	661	1,688	93	1,781	14.3
137.00	Outside of County	0	111,103	99,125	7,051	2,428	6,986	595	7,581	14.7
138.00	El Dorado Diamond Springs	0	22,415	6,063	4,296	266	577	297	874	25.6
139.00	El Dorado Diamond Springs	0	10,748	1,341	1,699	67	144	156	300	35.8
140.00	El Dorado Diamond Springs	0	58,920	127	10,182	10	22	812	834	70.7
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,458	1,621	28	21	49	0	49	29.7
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,592	6,498	171	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,230	3,316	255	108	240	12	252	16.8
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,041	3,569	335	80	200	21	221	18.3
145.00	Unincorporated El Dorado County (Remainder Area)	0	745	650	25	30	70	0	70	10.7
146.00	El Dorado Diamond Springs	0	6,331	2,339	1,102	115	261	98	359	17.6
147.00	El Dorado Diamond Springs	0	3,731	3,545	130	165	378	0	378	9.9
148.00	Outside of County	0	151,683	179,875	5,328	2,265	5,302	120	5,422	28.0
149.00	Shingle Springs	0	17,059	1,721	3,521	53	149	287	436	39.2
150.00	Unincorporated El Dorado County (Remainder Area)	0	5,750	6,416	132	107	254	0	254	22.7
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,271	1,677	19	23	67	0	67	19.0
152.00	Shingle Springs	0	35,399	6,026	5,221	202	488	370	858	41.3
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,547	8,111	246	292	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,882	6,899	191	257	597	0	597	11.5
155.00	Shingle Springs	0	5,194	5,576	132	156	406	0	406	12.8
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,004	2,248	58	27	68	1	69	29.0
157.00	El Dorado Hills	0	8,482	10,352	175	273	790	0	790	10.7
158.00	Cameron Park	0	17,246	18,188	502	624	1,431	11	1,442	12.0
159.00	Cameron Park	0	15,254	14,228	1,438	448	1,082	114	1,196	12.8
160.00	Shingle Springs	0	18,420	16,301	1,160	510	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,189	13,798	210	293	754	0	754	14.8
162.00	El Dorado Hills	0	56,065	74,536	900	1,503	4,465	0	4,465	12.6
163.00	El Dorado Hills	0	39,242	7,361	5,337	168	490	440	930	42.2
164.00	El Dorado Hills	0	62,302	0	33,746	0	0	3,128	3,128	19.9
165.00	El Dorado Hills	0	16,424	18,695	437	555	1,369	0	1,369	12.0
166.00	Outside of County	0	28,967	29,643	1,070	767	1,965	50	2,015	14.4
167.00	El Dorado Hills	0	45,261	41,898	2,419	1,531	3,531	111	3,641	12.4
168.00	El Dorado Hills	0	26,005	27,165	1,133	1,133	2,632	35	2,667	9.8
169.00	El Dorado Hills	0	124,442	5,168	27,184	214	517	2,486	3,003	41.4
170.00	El Dorado Hills	0	47,986	661	25,021	26	65	2,563	2,628	18.3
171.00	El Dorado Hills	0	15,632	14,843	1,095	441	1,081	68	1,148	13.6
172.00	El Dorado Hills	0	9,817	0	1,773	0	0	158	158	62.1
173.00	El Dorado Hills	0	49,818	0	12,113	0	0	1,140	1,140	43.7
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,876	1,465	1,105	15	38	54	92	42.2
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,628	614	499	10	24	22	46	57.5
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,074	3,410	70	58	137	0	137	22.4
177.00	Unincorporated El Dorado County (Remainder Area)	0	10,757	8,006	1,871	149	370	130	500	21.5
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,665	5,260	139	88	223	3	226	20.7
179.00	Unincorporated El Dorado County (Remainder Area)	0	725	902	12	21	55	0	55	13.3
180.00	El Dorado Hills	0	17,994	21,667	358	457	1,155	0	1,155	15.6
181.00	El Dorado Hills	0	7,025	5,295	694	122	315	61	376	18.7
182.00	Cameron Park	0	38,586	46,269	753	1,245	3,262	0	3,262	11.8
183.00	Unincorporated El Dorado County (Remainder Area)	0	10,901	11,655	268	357	832	0	832	13.1

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
184.00	Cameron Park	0	39,827	15,890	4,496	418	1,093	426	1,519	26.2
185.00	Cameron Park	0	3,843	4,250	84	152	349	0	349	11.0
186.00	Cameron Park	0	52,411	4,479	8,824	173	390	901	1,291	40.6
187.00	Cameron Park	0	10,799	6,968	1,200	247	566	104	670	16.1
188.00	Cameron Park	0	6,587	5,477	593	213	489	49	538	12.3
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,400	3,022	40	36	100	0	100	23.9
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,268	12,839	186	255	712	0	712	14.4
191.00	El Dorado Hills	0	1,415	1,759	25	39	109	0	109	13.0
192.00	El Dorado Hills	0	855	1,049	15	25	69	0	69	12.4
193.00	El Dorado Hills	0	13,558	6,474	1,283	1,183	406	96	502	27.0
194.00	El Dorado Hills	0	14,977	18,690	294	439	1,297	0	1,297	11.5
195.00	El Dorado Hills	0	9,461	457	2,115	10	26	176	203	46.7
196.00	Outside of County	0	51,954	57,755	1,780	1,151	3,198	97	3,295	15.8
197.00	El Dorado Hills	0	3,253	3,846	61	85	225	0	225	14.5
198.00	El Dorado Hills	0	70,597	38,236	6,312	887	2,476	623	3,099	22.8
199.00	El Dorado Hills	0	11,896	2,814	1,726	62	173	143	316	37.6
200.00	El Dorado Hills	0	6,764	299	1,303	7	19	121	140	48.5
201.00	El Dorado Hills	0	21,675	6,615	2,994	150	443	269	712	30.4
202.00	El Dorado Hills	0	37,437	34,112	2,196	762	2,127	169	2,296	16.3
203.00	El Dorado Hills	0	50,604	62,992	1,184	1,306	3,762	43	3,805	13.3
204.00	El Dorado Hills	0	17,458	15,594	676	362	1,048	48	1,096	15.9
205.00	El Dorado Hills	0	4,891	5,154	389	132	376	30	406	12.0
206.00	El Dorado Hills	0	1,643	2,015	32	51	148	0	148	11.1
207.00	El Dorado Hills	0	12,777	15,985	227	304	880	0	880	14.5
208.00	Unincorporated El Dorado County (Remainder Area)	0	321	414	5	9	26	0	26	12.3
209.00	El Dorado Hills	0	11,888	4,271	1,478	89	254	118	372	32.0
210.00	El Dorado Hills	0	6,230	7,806	112	163	479	0	479	13.0
211.00	Unincorporated El Dorado County (Remainder Area)	0	133	172	2	4	11	0	11	11.7
212.00	El Dorado Hills	0	2,372	3,021	39	53	153	0	153	15.5
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,074	11,444	155	194	534	0	534	17.0
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,332	3,353	29	31	76	0	76	30.9
215.00	El Dorado Hills	0	6,711	8,335	124	149	413	0	413	16.2
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,732	2,424	25	23	56	0	56	30.9
217.00	Unincorporated El Dorado County (Remainder Area)	0	578	734	9	11	31	0	31	18.8
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,491	1,829	27	28	78	0	78	19.1
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,846	4,786	68	70	191	0	191	20.1
220.00	Unincorporated El Dorado County (Remainder Area)	0	463	612	7	9	25	0	25	18.6
221.00	El Dorado Hills	0	36,873	47,400	581	1,001	2,596	0	2,596	14.2
222.00	Cameron Park	0	2,158	1,432	424	34	90	58	148	14.6
223.00	Cameron Park	0	5,427	6,927	77	175	461	0	461	11.8
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,582	7,161	498	145	382	37	419	20.5
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,752	11,018	3,001	148	424	277	702	33.9
226.00	Cameron Park	0	27,379	26,397	1,244	557	1,591	118	1,709	16.0
227.00	Cameron Park	0	8,525	10,755	203	286	689	10	699	12.2
228.00	Cameron Park	0	20,233	24,433	501	724	1,775	25	1,800	11.2
229.00	El Dorado Hills	0	40,893	33,562	2,317	793	2,061	228	2,289	17.9
230.00	El Dorado Hills	0	22,607	26,941	345	567	1,655	0	1,655	13.7
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,906	6,469	72	136	388	0	388	12.7
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,488	5,725	73	88	241	0	241	18.7
233.00	Cameron Park	0	8,512	3,587	738	117	266	100	366	23.3
234.00	Cameron Park	0	55,696	32,740	5,024	1,086	2,488	670	3,158	17.6
235.00	Cameron Park	0	41,712	53,110	632	1,331	3,580	2	3,582	11.6
236.00	Cameron Park	0	14,546	18,885	258	473	1,281	9	1,290	11.3
237.00	Cameron Park	0	2,225	2,556	44	78	179	0	179	12.4
238.00	Cameron Park	0	40,041	14,755	5,267	417	1,018	527	1,545	25.9
239.00	Cameron Park	0	2,301	3,277	34	87	228	0	228	10.1
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,431	8,055	108	137	363	0	363	17.7
241.00	Cameron Park	0	15,016	7,374	1,260	181	480	151	631	23.8
242.00	Cameron Park	0	687	885	9	24	64	0	64	10.8
243.00	Cameron Park	0	1,988	2,530	31	61	162	1	163	12.2
244.00	Unincorporated El Dorado County (Remainder Area)	0	2,977	3,656	57	51	128	0	128	23.3

VMT Summary by Jurisdiction - 2040 Baseline Scenario

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245.00	Unincorporated El Dorado County (Remainder Area)	0	749	956	11	10	30	0	30	25.0
246.00	Unincorporated El Dorado County (Remainder Area)	0	3,809	5,011	56	63	189	0	189	20.2
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,577	14,193	353	296	636	0	636	21.3
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,384	10,188	965	182	431	39	470	28.5
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,386	1,855	543	26	56	25	81	41.9
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,821	3,187	60	53	124	0	124	22.7
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,593	6,112	135	140	363	0	363	15.4
252.00	Unincorporated El Dorado County (Remainder Area)	0	24,688	28,301	573	670	1,756	0	1,756	14.1
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,384	8,659	158	149	410	0	410	18.0
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,227	5,796	122	119	311	0	311	16.8
255.00	Cameron Park	0	66,751	0	14,886	0	0	1,406	1,406	47.5
256.00	Cameron Park	0	45,671	1,949	10,475	72	175	872	1,047	43.6
257.00	Shingle Springs	0	63,484	15,031	14,555	518	1,335	1,313	2,648	24.0
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,070	2,441	40	36	99	0	99	20.9
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,568	3,033	52	50	132	0	132	19.5
260.00	Shingle Springs	0	27,981	138	5,639	5	15	441	456	61.4
261.00	Shingle Springs	0	27,868	3,521	4,840	121	333	388	721	38.7
262.00	Shingle Springs	0	41,838	5,376	6,528	204	530	515	1,045	40.0
263.00	Shingle Springs	0	10,218	3,758	1,478	121	333	119	452	22.6
264.00	Shingle Springs	0	8,031	3,041	1,050	98	267	82	349	23.0
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,939	2,170	43	44	116	0	116	16.7
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,236	1,655	668	41	88	33	121	51.5
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,669	9,933	217	242	633	0	633	13.7
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,017	3,057	170	72	190	10	200	15.1
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,792	9,281	1,428	217	558	81	639	21.6
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,297	2,644	671	54	135	39	174	36.2
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,792	9,795	726	172	442	50	492	19.9
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,952	6,375	799	145	407	55	462	21.6
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,368	8,729	372	138	400	22	422	17.5
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,656	18,642	1,554	414	1,153	122	1,275	17.0
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,673	16,862	333	380	971	0	971	15.1
276.00	Cameron Park	0	28,349	18,389	2,061	540	1,312	180	1,492	19.0
277.00	Cameron Park	0	4,905	5,698	98	176	427	0	427	11.5
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,723	5,833	215	100	265	10	275	20.8
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,860	3,619	49	55	146	0	146	19.6
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,430	1,652	31	37	103	0	103	13.9
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,887	4,158	425	85	238	28	266	18.3
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,381	1,592	30	39	109	0	109	12.6
283.00	Shingle Springs	0	15,737	3,269	2,214	0	0	197	197	79.9
284.00	Shingle Springs	0	4,399	993	653	36	87	53	140	31.3
285.00	Unincorporated El Dorado County (Remainder Area)	0	14,400	2,763	2,952	54	154	233	387	37.2
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,641	2,036	30	36	101	0	101	16.3
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,389	1,665	27	34	87	0	87	15.9
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,162	2,653	40	50	140	0	140	15.4
289.00	Unincorporated El Dorado County (Remainder Area)	0	318	417	5	8	23	0	23	13.7
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,030	2,582	35	44	128	0	128	15.9
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,338	15,561	235	255	647	0	647	19.1
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,107	5,464	64	72	209	0	209	19.7
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,295	1,284	36	41	90	0	90	14.5
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,483	4,674	121	129	321	0	321	14.0
295.00	Unincorporated El Dorado County (Remainder Area)	0	63,671	4,861	22,381	110	282	1,540	1,822	34.9
296.00	El Dorado Diamond Springs	0	53,954	6,551	9,714	189	496	731	1,227	44.0
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,256	2,650	61	79	208	0	208	10.8
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,818	3,056	70	79	208	0	208	13.5
299.00	Unincorporated El Dorado County (Remainder Area)	0	4,987	5,676	111	114	293	0	293	17.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,732	1,912	41	45	116	0	116	15.0
301.00	Unincorporated El Dorado County (Remainder Area)	0	625	548	41	20	44	3	47	13.4
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,895	2,611	206	90	194	10	204	19.0
303.00	El Dorado Diamond Springs	0	4,219	2,676	440	106	228	28	255	16.5
304.00	El Dorado Diamond Springs	0	8,417	282	2,647	12	26	269	296	28.5
305.00	El Dorado Diamond Springs	0	10,759	0	4,942	1	2	536	539	20.0

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
306.00	El Dorado Diamond Springs	0	8,007	3,161	1,342	130	275	110	386	20.8
307.00	El Dorado Diamond Springs	0	2,956	2,809	91	113	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	239	244	6	12	28	0	28	8.6
309.00	El Dorado Diamond Springs	0	809	719	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	14,187	636	2,492	29	66	220	286	49.6
311.00	El Dorado Diamond Springs	0	3,592	1,724	434	76	164	33	197	18.2
312.00	El Dorado Diamond Springs	0	9,998	6,798	970	315	711	71	782	12.8
313.00	El Dorado Diamond Springs	0	23,804	3,477	6,955	72	178	534	712	33.4
314.00	El Dorado Diamond Springs	0	10,827	2,498	1,440	100	249	103	352	30.8
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	674	641	22	31	68	0	68	10.0
317.00	El Dorado Diamond Springs	0	140	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,251	4,729	724	183	452	41	493	16.7
319.00	El Dorado Diamond Springs	0	1,403	1,289	45	57	143	0	143	9.8
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,931	1,595	801	19	48	61	109	45.1
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,219	6,142	136	116	295	2	297	17.6
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,728	10,551	563	243	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,326	3,732	1,818	67	172	139	311	26.7
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,116	3,597	688	73	183	39	222	32.1
325.00	Unincorporated El Dorado County (Remainder Area)	0	719	837	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,086	2,466	48	57	145	0	145	14.4
327.00	Placerville	0	3,217	3,493	81	85	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	700	792	15	19	48	0	48	14.7
329.00	Placerville	0	4,838	4,845	138	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,500	3,701	93	110	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,138	6,969	139	130	325	0	325	18.9
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,438	1,532	38	47	105	0	105	13.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,954	4,501	87	91	225	0	225	17.6
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,654	1,003	254	26	58	18	76	21.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,815	2,999	73	76	163	0	163	17.3
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,047	1,115	26	30	66	0	66	15.8
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,280	6,082	1,743	124	304	128	432	23.8
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,852	15,656	393	350	900	11	911	15.2
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,305	12,044	146	224	508	0	508	18.3
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,055	5,271	514	95	202	30	232	34.6
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,637	1,564	174	34	75	16	91	18.1
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,362	2,699	49	48	123	0	123	19.1
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,946	5,722	92	78	177	0	177	28.0
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,854	6,904	107	92	208	0	208	28.1
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,991	2,098	40	34	77	0	77	25.9
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,259	1,236	28	23	51	0	51	24.6
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,652	3,095	49	42	108	0	108	24.6
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,513	2,434	59	48	107	0	107	23.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,208	4,919	582	94	193	34	227	36.1
350.00	Unincorporated El Dorado County (Remainder Area)	0	990	1,150	18	20	45	0	45	21.9
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,474	1,853	23	31	70	0	70	21.0
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,119	2,709	31	38	86	0	86	24.6
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,742	10,293	511	200	453	43	496	21.7
354.00	Unincorporated El Dorado County (Remainder Area)	0	6,959	4,650	458	68	154	43	197	35.3
355.00	Placerville	1	28,034	5,130	4,912	258	594	387	981	28.6
356.00	Placerville	1	2,725	2,559	90	109	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,168	4,245	720	134	294	42	336	24.3
358.00	Placerville	0	10,513	3,364	1,610	129	283	123	406	25.9
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,541	3,677	93	105	247	0	247	14.3
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,175	4,511	97	97	228	0	228	18.3
361.00	Placerville	1	27,418	10,076	4,551	572	1,189	370	1,558	17.6
362.00	Placerville	1	48,290	3,865	7,882	194	457	616	1,073	45.0
363.00	Unincorporated El Dorado County (Remainder Area)	0	416	428	11	19	48	0	48	8.7
364.00	Placerville	0	4,544	3,716	410	174	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,715	9,319	2,966	545	1,147	223	1,370	18.0
366.00	El Dorado Diamond Springs	0	10,849	1,559	1,626	109	232	146	378	28.7

VMT Summary by Jurisdiction - 2040 Baseline Scenario

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367.00	El Dorado Diamond Springs	0	7,192	0	3,524	0	0	398	398	18.1
368.00	El Dorado Diamond Springs	0	4,984	1,334	819	68	157	81	238	21.0
369.00	El Dorado Diamond Springs	0	14,337	8,853	1,402	490	1,088	114	1,202	11.9
370.00	El Dorado Diamond Springs	0	6,994	81	2,889	0	0	317	317	22.1
371.00	El Dorado Diamond Springs	0	2,160	2,071	61	70	155	0	155	14.0
372.00	El Dorado Diamond Springs	0	28,960	14,133	3,133	566	1,254	296	1,550	18.7
373.00	El Dorado Diamond Springs	0	557	493	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,065	276	116	14	32	10	42	25.3
375.00	El Dorado Diamond Springs	0	360	329	11	15	34	0	34	10.5
376.00	El Dorado Diamond Springs	0	1,512	725	217	34	78	17	95	15.9
377.00	El Dorado Diamond Springs	0	727	320	170	14	32	16	48	15.1
378.00	El Dorado Diamond Springs	0	546	517	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	944	874	28	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	196	186	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	115	112	3	7	16	0	16	7.1
382.00	El Dorado Diamond Springs	0	222	184	8	11	25	0	25	8.7
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,369	2,385	64	81	179	0	179	13.2
384.00	El Dorado Diamond Springs	0	4,516	4,456	122	175	390	0	390	11.6
385.00	El Dorado Diamond Springs	0	14,346	13,864	536	603	1,346	14	1,360	10.6
386.00	El Dorado Diamond Springs	0	2,245	2,239	60	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,361	743	467	36	81	44	124	27.0
388.00	El Dorado Diamond Springs	0	5,492	0	2,585	0	0	278	278	19.8
389.00	El Dorado Diamond Springs	0	5,986	19	2,131	2	5	240	245	24.5
390.00	El Dorado Diamond Springs	0	7,400	4,854	731	313	670	54	724	10.2
391.00	El Dorado Diamond Springs	0	6,198	144	962	11	24	92	116	53.5
392.00	El Dorado Diamond Springs	0	1,033	474	88	28	60	5	66	15.8
393.00	El Dorado Diamond Springs	0	26,449	4,751	3,762	281	645	288	932	28.4
394.00	El Dorado Diamond Springs	0	6,277	111	2,034	8	18	168	186	33.8
395.00	Placerville	1	81,928	1,460	29,345	98	206	2,613	2,819	29.1
396.00	El Dorado Diamond Springs	0	31,738	0	5,479	0	0	425	425	74.7
397.00	El Dorado Diamond Springs	0	1,469	904	119	50	109	7	116	12.6
398.00	El Dorado Diamond Springs	0	1,185	265	142	14	32	11	43	27.4
399.00	El Dorado Diamond Springs	0	960	832	32	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,563	210	1,225	16	35	97	132	57.5
401.00	Placerville	0	28,013	943	4,532	57	121	337	458	61.2
402.00	El Dorado Diamond Springs	0	4,691	2,561	1,020	138	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	32,031	2,614	12,586	124	267	906	1,174	27.3
404.00	El Dorado Diamond Springs	0	1,766	303	329	19	44	32	76	23.4
405.00	El Dorado Diamond Springs	0	1,719	148	248	9	21	21	41	41.5
406.00	El Dorado Diamond Springs	0	27,170	385	4,348	24	55	339	395	68.9
407.00	El Dorado Diamond Springs	0	16,628	554	3,191	40	84	285	369	45.1
408.00	El Dorado Diamond Springs	0	5,564	0	2,350	1	2	279	281	19.8
409.00	Placerville	0	39,266	3,507	7,959	163	410	610	1,019	38.5
410.00	El Dorado Diamond Springs	0	41,383	14,321	5,551	605	1,418	423	1,840	22.5
411.00	Placerville	1	56,834	5,292	11,294	336	793	982	1,775	32.0
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,450	3,302	104	114	271	0	271	12.7
413.00	Placerville	0	4,936	4,593	168	200	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,636	92	5,301	7	15	562	577	35.8
415.00	Unincorporated El Dorado County (Remainder Area)	0	438	321	42	18	38	4	42	10.4
416.00	El Dorado Diamond Springs	0	267	129	54	9	19	7	26	10.2
417.00	Placerville	1	23,469	913	4,754	55	124	424	548	42.8
418.00	Placerville	1	5,629	0	1,361	0	0	130	130	43.3
419.00	Placerville	1	7,086	0	1,196	0	0	112	112	63.3
420.00	Placerville	1	5,362	971	1,308	56	132	117	249	21.6
421.00	Placerville	1	2,572	1,467	402	81	191	28	219	11.8
422.00	Placerville	1	67,999	5,200	30,848	304	714	2,392	3,106	21.9
423.00	Unincorporated El Dorado County (Remainder Area)	0	448	391	26	21	49	1	50	9.0
424.00	Placerville	0	26,385	5,380	4,382	253	582	351	934	28.3
425.00	Placerville	0	68,582	29,045	7,978	1,394	3,090	730	3,820	18.0
426.00	Placerville	0	708	728	18	32	80	0	80	8.9
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,829	4,034	99	102	255	0	255	15.0

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428.00	Unincorporated El Dorado County (Remainder Area)	0	553	586	14	22	55	0	55	10.1
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,198	1,393	35	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,104	2,000	540	59	146	44	190	16.3
431.00	Placerville	1	14,069	511	2,218	28	59	167	226	62.2
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,662	10,602	3,068	364	900	241	1,140	13.7
433.00	Placerville	1	17,066	10,040	2,242	680	1,398	175	1,572	10.9
434.00	Placerville	1	830	641	30	44	95	0	95	8.7
435.00	Placerville	1	1,294	672	229	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,150	1,170	49	32	79	2	81	14.3
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,371	5,908	130	147	371	0	371	14.5
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,892	4,271	501	143	303	32	335	17.6
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,763	4,641	1,512	169	359	90	449	21.8
440.00	Unincorporated El Dorado County (Remainder Area)	0	6,051	861	1,557	31	66	111	177	34.2
441.00	Placerville	1	400	394	11	15	35	0	35	11.4
442.00	Placerville	1	13,695	9,895	956	351	882	56	939	14.6
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,955	1,877	55	59	125	0	125	15.6
444.00	Unincorporated El Dorado County (Remainder Area)	0	276	179	17	8	19	1	20	13.8
445.00	Placerville	0	841	789	55	26	65	3	68	12.4
446.00	Placerville	1	4,337	764	686	28	65	53	119	36.6
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,444	3,155	1,551	81	199	116	314	26.9
448.00	Placerville	0	1,812	2,038	51	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	467	471	12	14	30	0	30	15.6
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,354	2,204	75	84	180	0	180	13.1
451.00	Unincorporated El Dorado County (Remainder Area)	0	898	865	25	27	58	0	58	15.5
452.00	Placerville	0	6,937	3,678	910	150	321	66	387	17.9
453.00	Placerville	1	3,308	3,175	137	183	391	0	391	8.5
454.00	Unincorporated El Dorado County (Remainder Area)	0	544	478	18	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,539	2,650	67	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,782	1,762	50	51	109	0	109	16.3
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,119	2,974	247	68	153	13	166	18.8
458.00	Placerville	0	11,687	1,923	1,802	71	157	130	287	40.7
459.00	Placerville	0	728	702	21	28	62	0	62	11.8
460.00	Unincorporated El Dorado County (Remainder Area)	0	829	790	22	22	47	0	47	17.5
461.00	Unincorporated El Dorado County (Remainder Area)	0	113	129	2	6	13	0	13	8.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,661	1,230	397	31	67	24	91	29.4
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,715	5,325	47	89	195	0	195	19.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,788	3,405	47	55	129	0	129	21.7
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,706	5,366	33	65	163	0	163	22.7
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,075	3,403	113	65	143	7	150	20.6
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,478	3,489	29	49	107	0	107	23.1
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,815	6,925	96	128	263	0	263	22.1
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,783	5,164	42	70	156	0	156	24.3
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,662	2,149	23	33	72	0	72	23.0
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,207	1,594	17	26	57	0	57	21.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,201	1,627	17	26	57	0	57	21.0
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,175	675	222	13	33	25	58	20.4
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,760	2,040	35	42	95	0	95	18.5
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,839	2,192	33	42	95	0	95	19.3
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,068	894	521	16	41	34	75	54.2
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,565	2,172	20	31	78	0	78	20.1
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,224	1,433	23	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,071	3,283	419	62	156	29	185	27.5
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,682	2,429	27	31	68	1	69	24.4
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,342	1,917	18	24	53	0	53	25.3
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,476	8,507	87	102	226	0	226	28.7
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,690	4,713	1,019	132	285	76	361	26.8
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,676	4,812	1,164	104	267	118	384	22.6
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,240	3,010	29	40	103	0	103	21.8
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,304	7,067	75	111	249	0	249	21.3
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,985	8,247	3,012	228	504	184	688	27.6
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,756	7,261	103	125	283	0	283	20.4

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
489.00	Unincorporated El Dorado County (Remainder Area)	0	7,464	6,647	401	157	355	24	379	19.7
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,520	1,803	30	35	86	0	86	17.7
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,398	8,734	159	181	444	0	444	16.7
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,952	3,439	1,033	76	188	72	259	34.5
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,987	3,631	1,450	79	195	101	296	33.7
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,408	3,010	752	71	174	55	229	28.0
495.00	Unincorporated El Dorado County (Remainder Area)	0	642	747	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,262	4,217	706	94	232	52	284	25.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,526	4,977	999	109	263	75	338	28.2
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,599	4,030	174	78	176	13	189	19.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,515	1,839	30	38	93	0	93	16.3
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,334	1,105	1,152	11	24	97	121	44.0
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,246	820	548	22	49	58	107	20.9
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,275	8,880	138	147	349	0	349	20.8
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,222	10	833	1	2	56	58	89.7
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,950	5,076	1,610	140	313	103	416	33.5
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	95	1	3	7	0	7	12.0
506.00	Unincorporated El Dorado County (Remainder Area)	0	1,000	1,022	35	28	64	1	65	15.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,143	2,510	48	61	145	0	145	14.8
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,892	2,884	1,147	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,073	408	644	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,552	2,950	220	92	200	15	215	16.5
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,014	1,584	131	46	109	9	118	17.0
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,920	2,172	43	45	107	0	107	18.0
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,999	10,302	169	178	456	7	463	17.3
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,290	42,879	372	715	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,161	4,057	53	78	188	0	188	16.8
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,389	9,973	101	162	391	0	391	18.9
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,648	18,919	1,704	490	1,085	139	1,224	19.3
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,189	12,352	790	325	745	53	799	16.5
519.00	Unincorporated El Dorado County (Remainder Area)	0	7,785	6,206	736	162	371	60	432	18.0
520.00	Unincorporated El Dorado County (Remainder Area)	0	14,022	12,132	1,155	296	678	99	778	18.0
521.00	Unincorporated El Dorado County (Remainder Area)	0	16,076	9,313	1,643	309	686	167	853	18.8
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,851	5,837	164	96	236	9	245	19.8
523.00	Unincorporated El Dorado County (Remainder Area)	0	25,073	10,029	3,081	303	698	272	970	25.9
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,451	8,859	2,501	214	495	207	702	27.7
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,553	5,751	59	97	233	0	233	19.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,179	3,983	56	56	142	0	142	22.4
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,828	6,939	828	186	447	71	517	17.1
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,117	63,141	876	1,062	2,556	51	2,607	19.6
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,246	1,205	123	19	46	8	54	23.0
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,135	17,335	221	226	551	0	551	23.9
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,782	4,955	61	59	144	0	144	26.3
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,606	4,519	64	64	156	0	156	23.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,580	9,217	976	152	367	53	420	27.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,240	5,370	71	69	168	0	168	25.2
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,307	6,662	83	95	245	0	245	21.7
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,429	6,876	82	106	273	0	273	19.9
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,801	14,138	137	209	536	0	536	20.1
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,368	7,208	1,817	161	382	137	519	29.6
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,289	1,807	1,885	11	27	142	169	78.6
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,512	0	1,669	0	0	132	132	71.9
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,558	831	296	18	43	24	67	38.0
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,222	2,218	952	55	130	76	206	30.2
543.00	Unincorporated El Dorado County (Remainder Area)	0	33,019	1,657	6,282	50	118	368	486	67.9
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,498	2,643	62	59	137	0	137	18.2
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,400	1,731	20	27	64	0	64	21.9
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,937	9,953	114	132	310	0	310	25.6
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,905	527	751	13	31	64	95	51.8
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,466	17,675	589	405	960	27	987	15.7
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,388	2,753	63	54	128	1	129	18.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario

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550.00	Unincorporated El Dorado County (Remainder Area)	0	6,437	1,687	984	41	100	62	162	39.6
551.00	Unincorporated El Dorado County (Remainder Area)	0	9,106	1,803	1,340	46	115	87	202	45.1
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,075	451		11	26	6	32	33.6
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,486	1,749	32	35	83	0	83	17.9
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,837	7,986	186	186	438	5	443	15.4
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,557	1,751	30	39	92	0	92	16.9
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,509	5,454	80	89	211	0	211	21.4
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,803	1,532	212	34	81	20	101	17.9
558.00	Unincorporated El Dorado County (Remainder Area)	0	1,999	2,486	27	40	96	0	96	20.8
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,253	1,449	22	28	67	0	67	18.6
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,896	1,189	1,725	28	66	172	238	24.7
561.00	Unincorporated El Dorado County (Remainder Area)	0	904	1,024	19	23	54	0	54	16.7
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,763	4,634	55	73	175	0	175	21.5
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,115	2,720	24	40	90	0	90	23.5
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,050	1,224	24	27	62	0	62	16.8
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,193	2,334	51	69	143	0	143	15.4
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,962	4,000	138	112	264	5	269	14.7
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,102	694	573	29	60	50	110	28.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,956	756	545	26	61	47	108	27.4
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,061	1,993	1,068	72	169	96	265	26.6
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,749	1,185	1,829	53	109	169	278	31.5
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,104	1,130	27	38	79	0	79	14.0
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,790	1,230	951	39	90	89	178	26.8
573.00	Unincorporated El Dorado County (Remainder Area)	0	8,114	9,743	124	127	284	0	284	28.6
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,436	5,628	53	88	204	1	205	21.7
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,842	4,077	21	37	86	0	86	33.2
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,782	858	319	19	43	33	76	36.7
577.00	Unincorporated El Dorado County (Remainder Area)	0	528	635	7	14	32	0	32	16.7
578.00	Unincorporated El Dorado County (Remainder Area)	0	25,221	38,418	123	452	1,016	0	1,016	24.8
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,818	4,066	21	41	96	0	96	29.3
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,489	3,367	26	42	98	0	98	25.3
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,806	7,021	39	66	146	0	146	32.9
582.00	Unincorporated El Dorado County (Remainder Area)	0	14,109	1,004	1,592	15	37	65	102	138.4
583.00	Unincorporated El Dorado County (Remainder Area)	0	31,197	46,803	289	447	987	15	1,002	31.1
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,096	2,043	106	22	47	6	53	39.6
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,993	14,124	93	148	327	0	327	30.5
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,810	2,884	256	56	105	10	115	33.1
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,960	2,762	23	48	116	0	116	16.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,946	22,655	144	348	892	0	892	17.9
589.00	Unincorporated El Dorado County (Remainder Area)	0	242	293	6	8	16	0	16	15.1
590.00	Unincorporated El Dorado County (Remainder Area)	0	821	1,037	14	23	55	0	55	15.0
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	86	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,532	9,450	1,267	361	801	146	947	15.3
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,890	5,913	524	155	370	56	426	16.2
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,360	15,123	161	316	754	0	754	15.1
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,063	2,683	248	46	104	27	131	31.0
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,292	3,074	488	59	151	48	199	26.6
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,463	3,088	1,734	122	271	214	485	25.7
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,874	389	1,425	15	33	166	200	44.5
599.00	Unincorporated El Dorado County (Remainder Area)	0	626	768	12	18	40	0	40	15.7
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,541	8,192	1,034	217	481	94	575	20.1
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,415	1,889	5	11	24	0	24	58.2
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,932	117	233	3	6	9	15	132.1
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,709	478	915	12	23	32	55	68.1
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,449	643	445	17	31	13	44	78.7
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,895	929	800	21	46	29	75	38.8
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,460	4,707	12	19	47	0	47	74.0
608.00	Unincorporated El Dorado County (Remainder Area)	0	29	41	0	1	2	0	2	13.7
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,985	1,532	1,512	37	80	61	141	70.6
610.00	El Dorado Hills	0	61,821	164	29,272	0	0	2,727	2,727	22.7

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611.00	El Dorado Hills	0	57,570	31,475	9,028	1,042	2,614	673	3,287	17.5
612.00	El Dorado Hills	0	129,282	1,211	64,307	0	0	5,788	5,788	22.3
613.00	Unincorporated El Dorado County (Remainder Area)	0	117	96	18	4	10	3	13	9.2
614.00	El Dorado Hills	0	15,108	9,991	1,202	900	550	98	648	23.3
615.00	El Dorado Hills	0	6,621	7,827	151	1,078	550	0	550	12.0
616.00	El Dorado Hills	0	18,214	2,610	4,698	1,064	138	421	559	32.6
617.00	El Dorado Hills	0	14,529	9,694	961	187	553	89	642	22.6
618.00	El Dorado Hills	0	4,802	0	2,238	0	0	265	265	18.1
619.00	El Dorado Hills	0	3,799	0	642	0	0	60	60	63.3
620.00	El Dorado Hills	0	20,037	5,118	1,759	0	0	178	178	112.6
621.00	El Dorado Hills	0	12,323	15,640	225	326	963	0	963	12.8
622.00	El Dorado Hills	0	20,198	17,812	1,264	370	1,094	90	1,184	17.1
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,392	13,976	716	309	918	54	972	15.8
625.00	El Dorado Hills	0	183	0	108	0	0	12	12	15.3
626.00	Unincorporated El Dorado County (Remainder Area)	0	43,268	4,727	6,562	164	386	556	941	46.0
627.00	Unincorporated El Dorado County (Remainder Area)	0	61,760	0	11,049	0	0	966	966	63.9
628.00	Unincorporated El Dorado County (Remainder Area)	0	19,007	21,773	472	525	1,322	0	1,322	14.4
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	6,975	9,883	46	0	138	0	138	50.5
633.00	Unincorporated El Dorado County (Remainder Area)	0	26,248	38,295	160	0	550	0	550	47.7
634.00	Unincorporated El Dorado County (Remainder Area)	0	26,733	38,905	160	0	552	0	552	48.4
635.00	Unincorporated El Dorado County (Remainder Area)	0	13,723	19,712	87	0	276	0	276	49.7
636.00	Unincorporated El Dorado County (Remainder Area)	0	26,663	38,872	160	0	556	0	556	48.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	32,638	48,040	190	0	695	0	695	47.0
638.00	Unincorporated El Dorado County (Remainder Area)	0	4,761	6,769	31	0	94	0	94	50.4
639.00	Unincorporated El Dorado County (Remainder Area)	0	9,325	13,282	62	0	189	0	189	49.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	32,401	47,942	194	0	713	0	713	45.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	8,943	12,855	59	0	189	0	189	47.4
642.00	Unincorporated El Dorado County (Remainder Area)	0	96,336	149,156	504	0	2,421	0	2,421	39.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	28,574	42,546	183	0	672	0	672	42.5
644.00	Unincorporated El Dorado County (Remainder Area)	0	10,904	16,084	67	0	238	0	238	45.8
645.00	Unincorporated El Dorado County (Remainder Area)	0	55,301	85,112	277	0	1,311	0	1,311	42.2
646.00	Unincorporated El Dorado County (Remainder Area)	0	21,014	31,463	124	0	477	0	477	44.1
647.00	Unincorporated El Dorado County (Remainder Area)	0	5,541	8,073	36	0	119	0	119	46.5
648.00	Unincorporated El Dorado County (Remainder Area)	0	5,504	8,038	35	0	119	0	119	46.2
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,383	7,885	34	0	119	0	119	45.2
650.00	Outside of County	0	2,947,027	1,512,146	491,691	0	0	0	0	-
651.00	Outside of County	0	27,772	16,483	2,959	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	413,215	185,876	49,767	0	0	0	0	-
654.00	Outside of County	0	41,864	9,383	2,412	0	0	0	0	-
655.00	Outside of County	0	354,910	120,905	33,964	0	0	0	0	-
656.00	Outside of County	0	57,095	18,932	7,185	0	0	0	0	-
657.00	Outside of County	0	196,757	9,148	3,577	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,515	2,925	857	0	0	0	0	-
660.00	Outside of County	0	186,367	104,649	33,991	0	0	0	0	-
661.00	Outside of County	0	149,833	79,782	24,302	0	0	0	0	-
662.00	Outside of County	0	735,332	384,110	123,973	0	0	0	0	-
663.00	Outside of County	0	755,315	273,748	86,559	0	0	0	0	-
664.00	Outside of County	0	463,977	247,589	66,272	0	0	0	0	-
665.00	Outside of County	0	228,372	98,506	36,289	0	0	0	0	-
666.00	Outside of County	0	105,022	56,696	17,240	0	0	0	0	-
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	533,737	358,591	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	212,985	112,307	30,149	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
672.00	Outside of County	0	40,980	39,947	0	0	0	0	0	-
673.00	Outside of County	0	35,265	17,286	0	0	0	0	0	-
674.00	Outside of County	0	412,108	28,608	0	0	0	0	0	-

- **VMT Detail 2040 Plus Project**

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

Jurisdiction	VMT Estimates			VMT Efficiency Metrics			Population Details				
	Total OD VMT	Home-based PA VMT	Home-based Work PA VMT	Total VMT per Service Population	Home-based VMT per Capita	Home-based Work VMT per Employee	Total Households	Total Population	Total Employment	Total Service Population	Persons Per Household
City of Placerville	411,331	62,866	104,274	25.2	8.2	12.1	3,438	7,658	8,649	16,307	2.23
Unincorporated El Dorado County	5,383,554	3,516,212	682,922	22.5	19.3	12.1	73,480	182,290	56,448	238,739	2.48
229	41,015	33,306	2,358	17.87	16.16	10.06	793	2,061	234	2,295	2.60
Threshold (85% of Unincorporated El Dorado County)					16.4	10.3					

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
1.00	Unincorporated El Dorado County (Remainder Area)	0	5,621	1,773	811	47	99	36	135	41.7
2.00	Unincorporated El Dorado County (Remainder Area)	0	23,379	24,624	860	593	1,338	77	1,415	16.5
3.00	Unincorporated El Dorado County (Remainder Area)	0	5,168	6,363	97	75	180	0	180	28.8
4.00	Unincorporated El Dorado County (Remainder Area)	0	1,118	1,415	17	16	35	0	35	32.2
5.00	Unincorporated El Dorado County (Remainder Area)	0	2,618	3,595	26	33	73	0	73	35.9
6.00	Unincorporated El Dorado County (Remainder Area)	0	13,778	15,844	498	367	847	14	861	16.0
7.00	Unincorporated El Dorado County (Remainder Area)	0	24,562	27,034	1,327	566	1,223	92	1,315	18.7
8.00	Unincorporated El Dorado County (Remainder Area)	0	11,499	571	1,943	15	38	129	167	69.0
9.00	Unincorporated El Dorado County (Remainder Area)	0	25,100	30,351	618	560	1,400	13	1,413	17.8
10.00	Outside of County	0	108,583	83,641	11,822	2,220	5,588	1,057	6,645	16.3
11.00	Outside of County	0	111,454	77,457	14,082	2,188	5,511	1,298	6,809	16.4
12.00	Outside of County	0	58,706	43,094	4,996	1,184	3,234	438	3,672	16.0
13.00	Outside of County	0	33,981	38,757	1,589	907	2,458	99	2,557	13.3
14.00	Outside of County	0	57,579	65,197	1,732	1,511	4,120	78	4,198	13.7
15.00	Outside of County	0	2,923	3,709	60	58	166	0	166	17.6
16.00	Outside of County	0	56,723	20,572	7,905	663	1,614	690	2,304	24.6
17.00	Outside of County	0	144,241	127,651	11,950	2,892	7,160	1,365	8,525	16.9
18.00	Outside of County	0	79,651	91,031	3,236	1,943	4,652	246	4,898	16.3
19.00	Outside of County	0	9,736	5,461	967	97	217	103	320	30.4
20.00	Outside of County	0	7,690	143	4,145	2	7	283	290	26.5
21.00	Outside of County	0	26,249	73	13,370	2	4	1,082	1,086	24.2
22.00	Outside of County	0	1,693	10	340	1	1	21	22	77.0
23.00	Outside of County	0	28,686	12,473	3,649	115	322	261	583	49.2
24.00	Outside of County	0	4,236	3,166	136	135	133	0	133	31.9
25.00	Outside of County	0	0	0	0	0	0	0	0	-
26.00	Outside of County	0	105,181	99,012	7,261	2,280	5,070	643	5,713	18.4
27.00	Outside of County	0	8,061	74	2,934	2	5	338	343	23.5
28.00	Outside of County	0	234,272	195,358	16,322	4,923	12,553	1,929	14,482	16.2
29.00	Outside of County	0	8,346	10,567	154	173	486	0	486	17.2
30.00	Outside of County	0	68,391	70,557	5,301	1,194	3,041	368	3,409	20.1
31.00	Outside of County	0	9,791	4,994	577	41	106	44	150	65.1
32.00	Outside of County	0	28,796	37,325	631	694	1,811	21	1,832	15.7
33.00	Outside of County	0	36,533	45,354	1,238	857	2,183	69	2,252	16.2
34.00	Outside of County	0	5,918	5,871	678	69	156	32	188	31.5
35.00	Outside of County	0	30,688	37,212	756	826	2,092	0	2,092	14.7
36.00	Outside of County	0	36,724	44,455	862	910	2,318	0	2,318	15.8
37.00	Outside of County	0	58,791	2,601	22,380	57	142	1,644	1,786	32.9
38.00	Outside of County	0	6,803	3,953	675	57	142	45	187	36.5
39.00	Outside of County	0	16,973	14,283	2,143	514	1,180	181	1,361	12.5
40.00	Outside of County	0	75,574	21,490	16,285	851	1,972	1,905	3,877	19.5
41.00	Outside of County	0	36,583	25,208	8,073	592	1,368	567	1,935	18.9
42.00	Outside of County	0	171,534	96,513	22,214	2,122	5,108	1,916	7,024	24.4
43.00	Outside of County	0	33,528	39,079	897	849	2,170	46	2,216	15.1
44.00	Outside of County	0	108,264	79,999	8,190	1,831	4,654	793	5,447	19.9
45.00	Outside of County	0	72,385	22,603	12,172	846	1,936	1,262	3,198	22.6
46.00	Outside of County	0	5,989	6,657	150	167	375	0	375	16.0
47.00	Outside of County	0	203,318	9,713	80,901	291	681	5,995	6,676	30.5
48.00	Outside of County	0	48,222	42,709	3,746	1,212	3,071	266	3,337	14.4
49.00	Outside of County	0	114,252	611	53,659	18	45	4,248	4,293	26.6
50.00	Outside of County	0	72,678	36,123	21,505	981	2,487	1,737	4,224	17.2
51.00	Outside of County	0	100,447	52,940	16,217	1,711	4,116	1,373	5,489	18.3
52.00	Outside of County	0	30,581	14,906	3,244	279	629	279	908	33.7
53.00	Outside of County	0	80,385	48,476	11,185	1,399	3,606	983	4,589	17.5
54.00	Outside of County	0	59,707	22,459	22,062	494	1,220	1,748	2,968	20.1
55.00	Outside of County	0	77,135	30,128	13,940	639	1,471	1,127	2,598	29.7
56.00	Outside of County	0	35,976	40,427	1,302	872	2,337	56	2,393	15.0
57.00	Outside of County	0	107,399	24,340	46,914	677	1,466	4,153	5,619	19.1
58.00	Outside of County	0	36,209	26,103	4,437	614	1,587	352	1,939	18.7
59.00	Outside of County	0	45,153	86	26,402	2	5	2,194	2,199	20.5
60.00	Outside of County	0	67,770	8,248	30,526	240	512	2,712	3,224	21.0
61.00	Outside of County	0	139,721	86,923	22,356	2,382	5,595	1,811	7,406	18.9

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
62.00	Outside of County	0	51,333	1,909	23,451	33	110	2,003	2,113	24.3
63.00	Outside of County	0	66,051	5,302	26,892	143	350	2,462	2,812	23.5
64.00	Outside of County	0	130,502	74,341	21,097	2,040	5,053	1,736	6,789	19.2
65.00	Outside of County	0	5,646	6,386	125	127	328	0	328	17.2
66.00	Outside of County	0	37,802	28,370	4,204	887	2,117	331	2,448	15.4
67.00	Outside of County	0	116,999	21,876	38,518	648	1,374	3,383	4,757	24.6
68.00	Outside of County	0	39,036	12,556	10,917	453	946	1,002	1,948	20.0
69.00	Outside of County	0	240,323	68,970	96,035	1,956	5,172	7,380	12,552	19.1
70.00	Outside of County	0	162,253	1,038	97,005	15	38	7,504	7,542	21.5
71.00	Outside of County	0	213,045	129,438	29,976	2,609	6,730	2,419	9,149	23.3
72.00	Outside of County	0	268,813	719	152,539	0	0	10,091	10,091	26.6
73.00	Outside of County	0	96,112	0	59,693	0	0	4,615	4,615	20.8
74.00	Outside of County	0	134,554	17,343	65,743	547	1,335	5,258	6,593	20.4
75.00	Outside of County	0	82,849	60,066	16,759	1,946	4,535	1,072	5,607	14.8
76.00	Outside of County	0	28,000	17,165	3,920	497	1,333	313	1,646	17.0
77.00	Outside of County	0	79,291	41,061	19,105	1,068	2,684	1,384	4,068	19.5
78.00	Outside of County	0	71,928	0	20,993	1	2	1,777	1,779	40.4
79.00	Outside of County	0	82,544	62,683	9,556	1,368	3,258	621	3,879	21.3
80.00	Outside of County	0	33,603	0	16,274	0	0	1,306	1,306	25.7
81.00	Outside of County	0	179,051	0	99,862	0	0	7,817	7,817	22.9
82.00	Outside of County	0	52,387	0	26,084	0	0	2,171	2,171	24.1
83.00	Outside of County	0	50,324	33,886	6,531	598	1,536	460	1,996	25.2
84.00	Outside of County	0	51,996	42,036	4,063	1,305	3,049	306	3,355	15.5
85.00	Outside of County	0	55,615	46,020	4,677	1,262	3,154	354	3,508	15.9
86.00	Outside of County	0	86,273	61,426	8,308	1,996	4,538	681	5,219	16.5
87.00	Outside of County	0	64,346	51,554	7,783	1,846	3,996	613	4,609	14.0
88.00	Outside of County	0	72,120	42,761	8,501	1,184	2,955	696	3,651	19.8
89.00	Outside of County	0	19,313	0	6,391	0	0	455	455	42.4
90.00	Outside of County	0	58,816	2,058	29,261	94	157	2,455	2,612	22.5
91.00	Outside of County	0	101,065	13,538	36,554	389	997	3,846	4,843	20.9
92.00	Outside of County	0	51,498	48,641	2,588	1,235	2,964	133	3,097	16.6
93.00	Outside of County	0	93,418	63,388	19,076	1,400	3,459	1,485	4,944	18.9
94.00	Outside of County	0	1,063	95	425	2	4	41	45	23.6
95.00	Outside of County	0	119,770	0	63,588	0	0	4,542	4,542	26.4
96.00	Outside of County	0	162,699	52,958	56,153	1,046	2,520	3,885	6,405	25.4
97.00	Outside of County	0	51,153	46,155	3,814	1,049	2,624	350	2,974	17.2
98.00	Outside of County	0	85,968	13,042	27,648	383	984	2,707	3,691	23.3
99.00	Outside of County	0	71,219	27,540	23,510	806	1,976	2,391	4,367	16.3
100.00	Outside of County	0	19,767	24,701	400	477	1,178	0	1,178	16.8
101.00	Outside of County	0	52,559	40,004	8,109	884	2,253	822	3,075	17.1
102.00	Outside of County	0	20,549	4,752	5,585	93	237	467	704	29.2
103.00	Outside of County	0	90,531	100,551	3,517	2,486	5,823	281	6,104	14.8
104.00	Outside of County	0	57,554	8,716	11,983	186	451	870	1,321	43.6
105.00	Outside of County	0	36,720	46,922	763	1,028	2,513	10	2,523	14.6
106.00	Outside of County	0	6,558	0	2,982	0	0	283	283	23.2
107.00	Outside of County	0	322,092	42,522	105,673	1,400	3,008	7,461	10,469	30.8
108.00	Outside of County	0	28,427	17,182	5,964	376	988	479	1,467	19.4
109.00	Outside of County	0	17,699	0	7,662	0	0	563	563	31.4
110.00	Outside of County	0	65,516	9,017	31,056	209	495	2,207	2,702	24.2
111.00	Outside of County	0	86,869	7,545	16,096	223	512	1,049	1,561	55.7
112.00	Outside of County	0	135,109	29,731	27,220	763	2,056	2,119	4,175	32.4
113.00	Outside of County	0	54,925	118	24,155	0	0	2,386	2,386	23.0
114.00	Outside of County	0	35,637	28,263	6,473	809	2,141	572	2,713	13.1
115.00	Outside of County	0	151,435	81,826	21,098	1,936	4,875	1,590	6,465	23.4
116.00	Outside of County	0	3,039	0	1,592	0	0	116	116	26.2
117.00	Outside of County	0	51,934	16,815	15,545	328	920	1,448	2,368	21.9
118.00	Outside of County	0	75,700	79,218	3,270	2,338	6,182	191	6,373	11.9
119.00	Outside of County	0	134,542	7,023	62,739	216	540	6,222	6,762	19.9
120.00	Outside of County	0	181,899	0	44,456	0	0	4,680	4,680	38.9
121.00	Outside of County	0	139,835	46,650	19,891	1,513	3,882	1,917	5,799	24.1
122.00	Outside of County	0	57,409	14,462	10,666	533	1,248	1,126	2,374	24.2

VTM Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
123.00	Outside of County	0	28,970	6,705	5,197	200	547	536	1,083	26.7
124.00	Outside of County	0	52,449	46,791	2,801	1,044	2,229	168	2,397	21.9
125.00	Outside of County	0	28,055	9,813	5,611	415	817	583	1,400	20.0
126.00	Outside of County	0	16,312	4,750	2,932	156	342	274	616	26.5
127.00	Outside of County	0	38,940	32,971	2,403	870	1,855	169	2,024	19.2
128.00	Outside of County	0	65,895	46,438	6,825	1,262	2,600	538	3,138	21.0
129.00	Outside of County	0	41,026	42,527	1,827	1,046	2,302	117	2,419	17.0
130.00	Outside of County	0	20,928	8,909	2,678	342	786	298	1,084	19.3
131.00	Outside of County	0	48,395	14,502	11,515	494	1,013	1,272	2,285	21.2
132.00	Outside of County	0	27,841	22,577	2,781	556	1,258	235	1,493	18.7
133.00	Outside of County	0	118,219	57,025	14,548	2,078	5,182	1,628	6,810	17.4
134.00	Outside of County	0	61,134	29,243	18,183	1,074	2,483	1,578	4,061	15.1
135.00	Outside of County	0	50,840	0	27,894	0	0	2,740	2,740	18.6
136.00	Outside of County	0	25,428	26,564	1,385	661	1,688	93	1,781	14.3
137.00	Outside of County	0	110,890	98,604	7,039	2,428	6,986	595	7,581	14.6
138.00	El Dorado Diamond Springs	0	22,351	6,043	4,285	266	577	297	874	25.6
139.00	El Dorado Diamond Springs	0	10,721	1,336	1,693	67	144	156	300	35.7
140.00	El Dorado Diamond Springs	0	58,744	127	10,166	10	22	812	834	70.5
141.00	Unincorporated El Dorado County (Remainder Area)	0	1,463	1,623	28	21	49	0	49	29.7
142.00	Unincorporated El Dorado County (Remainder Area)	0	6,581	6,482	171	156	347	0	347	19.0
143.00	Unincorporated El Dorado County (Remainder Area)	0	4,221	3,306	254	108	240	12	252	16.7
144.00	Unincorporated El Dorado County (Remainder Area)	0	4,035	3,563	335	80	200	21	221	18.2
145.00	Unincorporated El Dorado County (Remainder Area)	0	743	648	25	30	70	0	70	10.7
146.00	El Dorado Diamond Springs	0	6,316	2,329	1,098	115	261	98	359	17.6
147.00	El Dorado Diamond Springs	0	3,724	3,539	130	165	378	0	378	9.8
148.00	Outside of County	0	151,600	179,738	5,345	2,265	5,302	120	5,422	28.0
149.00	Shingle Springs	0	16,994	1,710	3,513	53	149	287	436	39.0
150.00	Unincorporated El Dorado County (Remainder Area)	0	5,771	6,423	132	107	254	0	254	22.8
151.00	Unincorporated El Dorado County (Remainder Area)	0	1,270	1,677	19	23	67	0	67	19.0
152.00	Shingle Springs	0	35,267	5,988	5,206	202	488	370	858	41.1
153.00	Unincorporated El Dorado County (Remainder Area)	0	8,520	8,074	245	292	623	0	623	13.7
154.00	Unincorporated El Dorado County (Remainder Area)	0	6,849	6,860	190	257	597	0	597	11.5
155.00	Shingle Springs	0	5,171	5,544	132	156	406	0	406	12.7
156.00	Unincorporated El Dorado County (Remainder Area)	0	2,008	2,249	58	27	68	1	69	29.1
157.00	El Dorado Hills	0	8,433	10,300	175	273	790	0	790	10.7
158.00	Cameron Park	0	17,165	18,087	500	624	1,431	11	1,442	11.9
159.00	Cameron Park	0	15,196	14,160	1,436	448	1,082	114	1,196	12.7
160.00	Shingle Springs	0	18,337	16,206	1,157	510	1,223	70	1,293	14.2
161.00	El Dorado Hills	0	11,114	13,703	209	293	754	0	754	14.7
162.00	El Dorado Hills	0	55,728	74,097	896	1,503	4,465	0	4,465	12.5
163.00	El Dorado Hills	0	38,996	7,286	5,308	168	490	440	930	41.9
164.00	El Dorado Hills	0	61,982	0	33,642	0	0	3,128	3,128	19.8
165.00	El Dorado Hills	0	16,338	18,634	436	555	1,369	0	1,369	11.9
166.00	Outside of County	0	28,774	29,485	1,067	767	1,965	50	2,015	14.3
167.00	El Dorado Hills	0	45,461	41,915	2,419	1,531	3,531	111	3,641	12.5
168.00	El Dorado Hills	0	25,851	27,010	1,129	1,133	2,632	35	2,667	9.7
169.00	El Dorado Hills	0	123,718	5,137	27,083	214	517	2,486	3,003	41.2
170.00	El Dorado Hills	0	47,704	656	24,922	26	65	2,563	2,628	18.2
171.00	El Dorado Hills	0	15,547	14,794	1,092	441	1,081	68	1,148	13.5
172.00	El Dorado Hills	0	9,756	0	1,765	0	0	158	158	61.7
173.00	El Dorado Hills	0	49,500	0	12,073	0	0	1,140	1,140	43.4
174.00	Unincorporated El Dorado County (Remainder Area)	0	3,879	1,464	1,105	15	38	54	92	42.2
175.00	Unincorporated El Dorado County (Remainder Area)	0	2,630	613	498	10	24	22	46	57.5
176.00	Unincorporated El Dorado County (Remainder Area)	0	3,086	3,413	70	58	137	0	137	22.5
177.00	Unincorporated El Dorado County (Remainder Area)	0	10,781	8,006	1,869	149	370	130	500	21.5
178.00	Unincorporated El Dorado County (Remainder Area)	0	4,684	5,266	139	88	223	3	226	20.7
179.00	Unincorporated El Dorado County (Remainder Area)	0	720	895	12	21	55	0	55	13.2
180.00	El Dorado Hills	0	17,876	21,519	356	457	1,155	0	1,155	15.5
181.00	El Dorado Hills	0	6,995	5,264	692	122	315	61	376	18.6
182.00	Cameron Park	0	38,479	46,101	757	1,245	3,262	0	3,262	11.8
183.00	Unincorporated El Dorado County (Remainder Area)	0	10,847	11,587	268	357	832	0	832	13.0

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

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184.00	Cameron Park	0	39,667	15,808	4,499	418	1,093	426	1,519	26.1
185.00	Cameron Park	0	3,832	4,231	84	152	349	0	349	11.0
186.00	Cameron Park	0	52,058	4,442	8,847	173	390	901	1,291	40.3
187.00	Cameron Park	0	10,751	6,927	1,200	247	566	104	670	16.0
188.00	Cameron Park	0	6,559	5,449	593	213	489	49	538	12.2
189.00	Unincorporated El Dorado County (Remainder Area)	0	2,396	3,017	40	36	100	0	100	23.8
190.00	Unincorporated El Dorado County (Remainder Area)	0	10,237	12,811	185	255	712	0	712	14.4
191.00	El Dorado Hills	0	1,413	1,757	24	39	109	0	109	13.0
192.00	El Dorado Hills	0	853	1,047	15	25	69	0	69	12.3
193.00	El Dorado Hills	0	13,493	6,443	1,281	1,183	406	96	502	26.9
194.00	El Dorado Hills	0	14,900	18,610	293	439	1,297	0	1,297	11.5
195.00	El Dorado Hills	0	9,446	456	2,115	10	26	176	203	46.6
196.00	Outside of County	0	51,661	57,486	1,776	1,151	3,198	97	3,295	15.7
197.00	El Dorado Hills	0	3,238	3,831	61	85	225	0	225	14.4
198.00	El Dorado Hills	0	70,357	38,151	6,310	887	2,476	623	3,099	22.7
199.00	El Dorado Hills	0	11,858	2,811	1,726	62	173	143	316	37.5
200.00	El Dorado Hills	0	6,741	298	1,303	7	19	121	140	48.3
201.00	El Dorado Hills	0	21,601	6,600	2,992	150	443	269	712	30.3
202.00	El Dorado Hills	0	37,324	34,051	2,198	762	2,127	169	2,296	16.3
203.00	El Dorado Hills	0	50,297	62,607	1,178	1,306	3,762	43	3,805	13.2
204.00	El Dorado Hills	0	17,402	15,492	673	362	1,048	48	1,096	15.9
205.00	El Dorado Hills	0	4,864	5,129	388	132	376	30	406	12.0
206.00	El Dorado Hills	0	1,634	2,006	31	51	148	0	148	11.1
207.00	El Dorado Hills	0	12,701	15,930	226	304	880	0	880	14.4
208.00	Unincorporated El Dorado County (Remainder Area)	0	321	414	5	9	26	0	26	12.3
209.00	El Dorado Hills	0	11,855	4,264	1,476	89	254	118	372	31.9
210.00	El Dorado Hills	0	6,200	7,769	112	163	479	0	479	12.9
211.00	Unincorporated El Dorado County (Remainder Area)	0	132	172	2	4	11	0	11	11.7
212.00	El Dorado Hills	0	2,363	3,015	39	53	153	0	153	15.4
213.00	Unincorporated El Dorado County (Remainder Area)	0	9,064	11,440	155	194	534	0	534	17.0
214.00	Unincorporated El Dorado County (Remainder Area)	0	2,330	3,353	29	31	76	0	76	30.9
215.00	El Dorado Hills	0	6,699	8,324	124	149	413	0	413	16.2
216.00	Unincorporated El Dorado County (Remainder Area)	0	1,731	2,424	25	23	56	0	56	30.9
217.00	Unincorporated El Dorado County (Remainder Area)	0	577	734	9	11	31	0	31	18.8
218.00	Unincorporated El Dorado County (Remainder Area)	0	1,488	1,827	27	28	78	0	78	19.0
219.00	Unincorporated El Dorado County (Remainder Area)	0	3,838	4,779	68	70	191	0	191	20.1
220.00	Unincorporated El Dorado County (Remainder Area)	0	462	612	7	9	25	0	25	18.6
221.00	El Dorado Hills	0	36,687	47,152	579	1,001	2,596	0	2,596	14.1
222.00	Cameron Park	0	2,152	1,427	423	34	90	58	148	14.5
223.00	Cameron Park	0	5,416	6,903	77	175	461	0	461	11.7
224.00	Unincorporated El Dorado County (Remainder Area)	0	8,568	7,155	497	145	382	37	419	20.5
225.00	Unincorporated El Dorado County (Remainder Area)	0	23,715	11,016	2,996	148	424	277	702	33.8
226.00	Cameron Park	0	27,324	26,318	1,241	557	1,591	118	1,709	16.0
227.00	Cameron Park	0	8,504	10,716	202	286	689	10	699	12.2
228.00	Cameron Park	0	20,153	24,317	500	724	1,775	25	1,800	11.2
229.00	El Dorado Hills	0	41,015	33,306	2,358	793	2,061	234	2,295	17.9
230.00	El Dorado Hills	0	22,457	26,749	344	567	1,655	0	1,655	13.6
231.00	Unincorporated El Dorado County (Remainder Area)	0	4,874	6,427	72	136	388	0	388	12.6
232.00	Unincorporated El Dorado County (Remainder Area)	0	4,483	5,724	73	88	241	0	241	18.6
233.00	Cameron Park	0	8,485	3,566	736	117	266	100	366	23.2
234.00	Cameron Park	0	55,456	32,513	5,015	1,086	2,488	670	3,158	17.6
235.00	Cameron Park	0	41,497	52,787	631	1,331	3,580	2	3,582	11.6
236.00	Cameron Park	0	14,490	18,789	257	473	1,281	9	1,290	11.2
237.00	Cameron Park	0	2,213	2,542	44	78	179	0	179	12.4
238.00	Cameron Park	0	39,897	14,666	5,258	417	1,018	527	1,545	25.8
239.00	Cameron Park	0	2,294	3,264	34	87	228	0	228	10.1
240.00	Unincorporated El Dorado County (Remainder Area)	0	6,420	8,034	108	137	363	0	363	17.7
241.00	Cameron Park	0	14,981	7,341	1,258	181	480	151	631	23.7
242.00	Cameron Park	0	685	882	9	24	64	0	64	10.8
243.00	Cameron Park	0	1,982	2,520	31	61	162	1	163	12.2
244.00	Unincorporated El Dorado County (Remainder Area)	0	2,975	3,656	57	51	128	0	128	23.3

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245.00	Unincorporated El Dorado County (Remainder Area)	0	748	955	11	10	30	0	30	24.9
246.00	Unincorporated El Dorado County (Remainder Area)	0	3,804	5,006	56	63	189	0	189	20.1
247.00	Unincorporated El Dorado County (Remainder Area)	0	13,559	14,167	352	296	636	0	636	21.3
248.00	Unincorporated El Dorado County (Remainder Area)	0	13,354	10,165	962	182	431	39	470	28.4
249.00	Unincorporated El Dorado County (Remainder Area)	0	3,389	1,855	542	26	56	25	81	41.9
250.00	Unincorporated El Dorado County (Remainder Area)	0	2,815	3,180	60	53	124	0	124	22.7
251.00	Unincorporated El Dorado County (Remainder Area)	0	5,572	6,086	135	140	363	0	363	15.3
252.00	Unincorporated El Dorado County (Remainder Area)	0	24,501	28,070	570	670	1,756	0	1,756	14.0
253.00	Unincorporated El Dorado County (Remainder Area)	0	7,360	8,628	158	149	410	0	410	18.0
254.00	Unincorporated El Dorado County (Remainder Area)	0	5,209	5,772	122	119	311	0	311	16.8
255.00	Cameron Park	0	66,465	0	14,831	0	0	1,406	1,406	47.3
256.00	Cameron Park	0	45,484	1,937	10,437	72	175	872	1,047	43.4
257.00	Shingle Springs	0	63,227	14,942	14,513	518	1,335	1,313	2,648	23.9
258.00	Unincorporated El Dorado County (Remainder Area)	0	2,064	2,433	40	36	99	0	99	20.8
259.00	Unincorporated El Dorado County (Remainder Area)	0	2,561	3,023	52	50	132	0	132	19.4
260.00	Shingle Springs	0	27,883	137	5,627	5	15	441	456	61.2
261.00	Shingle Springs	0	27,765	3,498	4,827	121	333	388	721	38.5
262.00	Shingle Springs	0	41,685	5,341	6,512	204	530	515	1,045	39.9
263.00	Shingle Springs	0	10,182	3,740	1,472	121	333	119	452	22.5
264.00	Shingle Springs	0	8,003	3,026	1,046	98	267	82	349	22.9
265.00	Unincorporated El Dorado County (Remainder Area)	0	1,932	2,160	42	44	116	0	116	16.7
266.00	Unincorporated El Dorado County (Remainder Area)	0	6,226	1,651	665	41	88	33	121	51.4
267.00	Unincorporated El Dorado County (Remainder Area)	0	8,635	9,884	216	242	633	0	633	13.6
268.00	Unincorporated El Dorado County (Remainder Area)	0	3,006	3,044	170	72	190	10	200	15.0
269.00	Unincorporated El Dorado County (Remainder Area)	0	13,754	9,249	1,425	217	558	81	639	21.5
270.00	Unincorporated El Dorado County (Remainder Area)	0	6,285	2,637	670	54	135	39	174	36.1
271.00	Unincorporated El Dorado County (Remainder Area)	0	9,765	9,766	724	172	442	50	492	19.8
272.00	Unincorporated El Dorado County (Remainder Area)	0	9,913	6,342	797	145	407	55	462	21.5
273.00	Unincorporated El Dorado County (Remainder Area)	0	7,346	8,702	372	138	400	22	422	17.4
274.00	Unincorporated El Dorado County (Remainder Area)	0	21,574	18,548	1,549	414	1,153	122	1,275	16.9
275.00	Unincorporated El Dorado County (Remainder Area)	0	14,621	16,792	332	380	971	0	971	15.1
276.00	Cameron Park	0	28,229	18,271	2,056	540	1,312	180	1,492	18.9
277.00	Cameron Park	0	4,880	5,662	98	176	427	0	427	11.4
278.00	Unincorporated El Dorado County (Remainder Area)	0	5,711	5,817	215	100	265	10	275	20.8
279.00	Unincorporated El Dorado County (Remainder Area)	0	2,860	3,616	49	55	146	0	146	19.6
280.00	Unincorporated El Dorado County (Remainder Area)	0	1,423	1,644	31	37	103	0	103	13.8
281.00	Unincorporated El Dorado County (Remainder Area)	0	4,868	4,137	423	85	238	28	266	18.3
282.00	Unincorporated El Dorado County (Remainder Area)	0	1,374	1,582	30	39	109	0	109	12.6
283.00	Shingle Springs	0	15,683	3,262	2,208	0	0	197	197	79.6
284.00	Shingle Springs	0	4,382	987	651	36	87	53	140	31.2
285.00	Unincorporated El Dorado County (Remainder Area)	0	14,352	2,753	2,941	54	154	233	387	37.1
286.00	Unincorporated El Dorado County (Remainder Area)	0	1,641	2,033	30	36	101	0	101	16.3
287.00	Unincorporated El Dorado County (Remainder Area)	0	1,384	1,659	27	34	87	0	87	15.9
288.00	Unincorporated El Dorado County (Remainder Area)	0	2,156	2,644	40	50	140	0	140	15.4
289.00	Unincorporated El Dorado County (Remainder Area)	0	317	415	5	8	23	0	23	13.6
290.00	Unincorporated El Dorado County (Remainder Area)	0	2,024	2,572	35	44	128	0	128	15.9
291.00	Unincorporated El Dorado County (Remainder Area)	0	12,307	15,521	235	255	647	0	647	19.0
292.00	Unincorporated El Dorado County (Remainder Area)	0	4,103	5,465	64	72	209	0	209	19.6
293.00	Unincorporated El Dorado County (Remainder Area)	0	1,291	1,279	35	41	90	0	90	14.4
294.00	Unincorporated El Dorado County (Remainder Area)	0	4,471	4,658	121	129	321	0	321	13.9
295.00	Unincorporated El Dorado County (Remainder Area)	0	63,466	4,839	22,327	110	282	1,540	1,822	34.8
296.00	El Dorado Diamond Springs	0	53,782	6,527	9,679	189	496	731	1,227	43.8
297.00	Unincorporated El Dorado County (Remainder Area)	0	2,247	2,635	61	79	208	0	208	10.8
298.00	Unincorporated El Dorado County (Remainder Area)	0	2,810	3,047	70	79	208	0	208	13.5
299.00	Unincorporated El Dorado County (Remainder Area)	0	4,975	5,659	111	114	293	0	293	17.0
300.00	Unincorporated El Dorado County (Remainder Area)	0	1,727	1,905	41	45	116	0	116	14.9
301.00	Unincorporated El Dorado County (Remainder Area)	0	623	546	41	20	44	3	47	13.3
302.00	Unincorporated El Dorado County (Remainder Area)	0	3,882	2,600	205	90	194	10	204	19.0
303.00	El Dorado Diamond Springs	0	4,205	2,662	438	106	228	28	255	16.5
304.00	El Dorado Diamond Springs	0	8,386	281	2,637	12	26	269	296	28.4
305.00	El Dorado Diamond Springs	0	10,709	0	4,922	1	2	536	539	19.9

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306.00	El Dorado Diamond Springs	0	7,987	3,150	1,337	130	275	110	386	20.7
307.00	El Dorado Diamond Springs	0	2,950	2,801	91	113	257	0	257	11.5
308.00	El Dorado Diamond Springs	0	238	244	6	12	28	0	28	8.6
309.00	El Dorado Diamond Springs	0	807	717	26	34	74	0	74	10.9
310.00	El Dorado Diamond Springs	0	14,149	634	2,482	29	66	220	286	49.5
311.00	El Dorado Diamond Springs	0	3,582	1,717	433	76	164	33	197	18.2
312.00	El Dorado Diamond Springs	0	9,970	6,773	966	315	711	71	782	12.7
313.00	El Dorado Diamond Springs	0	23,754	3,470	6,940	72	178	534	712	33.4
314.00	El Dorado Diamond Springs	0	10,796	2,488	1,438	100	249	103	352	30.7
315.00	Outside of County	0	0	0	0	0	0	0	0	-
316.00	El Dorado Diamond Springs	0	672	639	22	31	68	0	68	9.9
317.00	El Dorado Diamond Springs	0	139	126	4	8	17	0	17	8.0
318.00	Unincorporated El Dorado County (Remainder Area)	0	8,233	4,715	723	183	452	41	493	16.7
319.00	El Dorado Diamond Springs	0	1,400	1,285	45	57	143	0	143	9.8
320.00	Unincorporated El Dorado County (Remainder Area)	0	4,924	1,593	800	19	48	61	109	45.0
321.00	Unincorporated El Dorado County (Remainder Area)	0	5,208	6,129	136	116	295	2	297	17.5
322.00	Unincorporated El Dorado County (Remainder Area)	0	10,711	10,534	563	243	623	26	649	16.5
323.00	Unincorporated El Dorado County (Remainder Area)	0	8,307	3,723	1,815	67	172	139	311	26.7
324.00	Unincorporated El Dorado County (Remainder Area)	0	7,102	3,588	687	73	183	39	222	32.0
325.00	Unincorporated El Dorado County (Remainder Area)	0	718	834	16	20	51	0	51	14.1
326.00	Unincorporated El Dorado County (Remainder Area)	0	2,083	2,461	48	57	145	0	145	14.4
327.00	Placerville	0	3,210	3,484	81	85	210	0	210	15.3
328.00	Unincorporated El Dorado County (Remainder Area)	0	698	791	15	19	48	0	48	14.7
329.00	Placerville	0	4,828	4,834	138	156	360	0	360	13.4
330.00	Unincorporated El Dorado County (Remainder Area)	0	3,494	3,692	93	110	273	0	273	12.8
331.00	Unincorporated El Dorado County (Remainder Area)	0	6,131	6,958	139	130	325	0	325	18.9
332.00	Unincorporated El Dorado County (Remainder Area)	0	1,436	1,530	38	47	105	0	105	13.7
333.00	Unincorporated El Dorado County (Remainder Area)	0	3,949	4,493	87	91	225	0	225	17.6
334.00	Unincorporated El Dorado County (Remainder Area)	0	1,653	1,002	254	26	58	18	76	21.7
335.00	Unincorporated El Dorado County (Remainder Area)	0	2,811	2,994	73	76	163	0	163	17.2
336.00	Unincorporated El Dorado County (Remainder Area)	0	1,045	1,112	26	30	66	0	66	15.7
337.00	Unincorporated El Dorado County (Remainder Area)	0	10,268	6,071	1,741	124	304	128	432	23.8
338.00	Unincorporated El Dorado County (Remainder Area)	0	13,830	15,629	392	350	900	11	911	15.2
339.00	Unincorporated El Dorado County (Remainder Area)	0	9,294	12,029	145	224	508	0	508	18.3
340.00	Unincorporated El Dorado County (Remainder Area)	0	8,042	5,261	513	95	202	30	232	34.6
341.00	Unincorporated El Dorado County (Remainder Area)	0	1,635	1,562	173	34	75	16	91	18.0
342.00	Unincorporated El Dorado County (Remainder Area)	0	2,359	2,694	49	48	123	0	123	19.1
343.00	Unincorporated El Dorado County (Remainder Area)	0	4,937	5,711	92	78	177	0	177	27.9
344.00	Unincorporated El Dorado County (Remainder Area)	0	5,844	6,892	107	92	208	0	208	28.0
345.00	Unincorporated El Dorado County (Remainder Area)	0	1,988	2,094	40	34	77	0	77	25.8
346.00	Unincorporated El Dorado County (Remainder Area)	0	1,257	1,234	28	23	51	0	51	24.6
347.00	Unincorporated El Dorado County (Remainder Area)	0	2,648	3,090	49	42	108	0	108	24.5
348.00	Unincorporated El Dorado County (Remainder Area)	0	2,509	2,429	59	48	107	0	107	23.5
349.00	Unincorporated El Dorado County (Remainder Area)	0	8,195	4,911	580	94	193	34	227	36.0
350.00	Unincorporated El Dorado County (Remainder Area)	0	989	1,148	17	20	45	0	45	21.8
351.00	Unincorporated El Dorado County (Remainder Area)	0	1,471	1,850	23	31	70	0	70	20.9
352.00	Unincorporated El Dorado County (Remainder Area)	0	2,115	2,704	30	38	86	0	86	24.6
353.00	Unincorporated El Dorado County (Remainder Area)	0	10,725	10,274	510	200	453	43	496	21.6
354.00	Unincorporated El Dorado County (Remainder Area)	0	6,952	4,646	457	68	154	43	197	35.3
355.00	Placerville	1	27,958	5,115	4,906	258	594	387	981	28.5
356.00	Placerville	1	2,721	2,554	90	109	235	0	235	11.6
357.00	Unincorporated El Dorado County (Remainder Area)	0	8,156	4,238	719	134	294	42	336	24.2
358.00	Placerville	0	10,492	3,357	1,609	129	283	123	406	25.8
359.00	Unincorporated El Dorado County (Remainder Area)	0	3,536	3,670	93	105	247	0	247	14.3
360.00	Unincorporated El Dorado County (Remainder Area)	0	4,170	4,504	97	97	228	0	228	18.3
361.00	Placerville	1	27,356	10,048	4,543	572	1,189	370	1,558	17.6
362.00	Placerville	1	48,171	3,854	7,875	194	457	616	1,073	44.9
363.00	Unincorporated El Dorado County (Remainder Area)	0	415	426	11	19	48	0	48	8.6
364.00	Placerville	0	4,535	3,705	410	174	439	28	466	9.7
365.00	El Dorado Diamond Springs	0	24,665	9,302	2,960	545	1,147	223	1,370	18.0
366.00	El Dorado Diamond Springs	0	10,823	1,554	1,622	109	232	146	378	28.6

VTM Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N)	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
367.00	El Dorado Diamond Springs	0	7,160	0	3,509	0	0	398	398	18.0
368.00	El Dorado Diamond Springs	0	4,971	1,329	816	68	157	81	238	20.9
369.00	El Dorado Diamond Springs	0	14,303	8,827	1,398	490	1,088	114	1,202	11.9
370.00	El Dorado Diamond Springs	0	6,965	81	2,879	0	0	317	317	22.0
371.00	El Dorado Diamond Springs	0	2,155	2,064	61	70	155	0	155	13.9
372.00	El Dorado Diamond Springs	0	28,898	14,091	3,122	566	1,254	296	1,550	18.6
373.00	El Dorado Diamond Springs	0	556	492	18	27	62	0	62	9.0
374.00	El Dorado Diamond Springs	0	1,063	275	116	14	32	10	42	25.2
375.00	El Dorado Diamond Springs	0	359	328	11	15	34	0	34	10.4
376.00	El Dorado Diamond Springs	0	1,507	723	216	34	78	17	95	15.9
377.00	El Dorado Diamond Springs	0	725	319	169	14	32	16	48	15.1
378.00	El Dorado Diamond Springs	0	544	515	16	27	62	0	62	8.8
379.00	El Dorado Diamond Springs	0	941	871	28	48	111	0	111	8.5
380.00	El Dorado Diamond Springs	0	195	185	6	12	28	0	28	7.1
381.00	El Dorado Diamond Springs	0	115	111	3	7	16	0	16	7.1
382.00	El Dorado Diamond Springs	0	221	183	8	11	25	0	25	8.7
383.00	Unincorporated El Dorado County (Remainder Area)	0	2,364	2,378	64	81	179	0	179	13.2
384.00	El Dorado Diamond Springs	0	4,506	4,442	122	175	390	0	390	11.5
385.00	El Dorado Diamond Springs	0	14,313	13,821	535	603	1,346	14	1,360	10.5
386.00	El Dorado Diamond Springs	0	2,239	2,232	59	90	202	0	202	11.1
387.00	El Dorado Diamond Springs	0	3,353	740	466	36	81	44	124	27.0
388.00	El Dorado Diamond Springs	0	5,471	0	2,576	0	0	278	278	19.7
389.00	El Dorado Diamond Springs	0	5,965	18	2,124	2	5	240	245	24.4
390.00	El Dorado Diamond Springs	0	7,382	4,839	728	313	670	54	724	10.2
391.00	El Dorado Diamond Springs	0	6,183	143	959	11	24	92	116	53.3
392.00	El Dorado Diamond Springs	0	1,031	473	88	28	60	5	66	15.7
393.00	El Dorado Diamond Springs	0	26,364	4,736	3,751	281	645	288	932	28.3
394.00	El Dorado Diamond Springs	0	6,261	110	2,031	8	18	168	186	33.7
395.00	Placerville	1	81,671	1,456	29,280	98	206	2,613	2,819	29.0
396.00	El Dorado Diamond Springs	0	31,645	0	5,470	0	0	425	425	74.5
397.00	El Dorado Diamond Springs	0	1,465	900	119	50	109	7	116	12.6
398.00	El Dorado Diamond Springs	0	1,182	264	142	14	32	11	43	27.3
399.00	El Dorado Diamond Springs	0	958	830	32	43	99	0	99	9.7
400.00	El Dorado Diamond Springs	0	7,541	209	1,223	16	35	97	132	57.3
401.00	Placerville	0	27,935	940	4,526	57	121	337	458	61.0
402.00	El Dorado Diamond Springs	0	4,677	2,552	1,019	138	344	103	447	10.5
403.00	El Dorado Diamond Springs	0	31,945	2,611	12,554	124	267	906	1,174	27.2
404.00	El Dorado Diamond Springs	0	1,762	302	328	19	44	32	76	23.3
405.00	El Dorado Diamond Springs	0	1,714	147	247	9	21	21	41	41.3
406.00	El Dorado Diamond Springs	0	27,092	383	4,336	24	55	339	395	68.7
407.00	El Dorado Diamond Springs	0	16,592	552	3,182	40	84	285	369	45.0
408.00	El Dorado Diamond Springs	0	5,540	0	2,343	1	2	279	281	19.7
409.00	Placerville	0	39,147	3,496	7,941	163	410	610	1,019	38.4
410.00	El Dorado Diamond Springs	0	41,311	14,291	5,536	605	1,418	423	1,840	22.4
411.00	Placerville	1	56,684	5,281	11,274	336	793	982	1,775	31.9
412.00	Unincorporated El Dorado County (Remainder Area)	0	3,445	3,295	103	114	271	0	271	12.7
413.00	Placerville	0	4,927	4,582	168	200	472	1	473	10.4
414.00	El Dorado Diamond Springs	0	20,574	92	5,292	7	15	562	577	35.7
415.00	Unincorporated El Dorado County (Remainder Area)	0	437	320	42	18	38	4	42	10.4
416.00	El Dorado Diamond Springs	0	267	129	54	9	19	7	26	10.1
417.00	Placerville	1	23,412	910	4,742	55	124	424	548	42.7
418.00	Placerville	1	5,614	0	1,358	0	0	130	130	43.2
419.00	Placerville	1	7,070	0	1,193	0	0	112	112	63.2
420.00	Placerville	1	5,350	968	1,306	56	132	117	249	21.5
421.00	Placerville	1	2,567	1,464	401	81	191	28	219	11.7
422.00	Placerville	1	67,854	5,190	30,800	304	714	2,392	3,106	21.8
423.00	Unincorporated El Dorado County (Remainder Area)	0	448	391	26	21	49	1	50	9.0
424.00	Placerville	0	26,319	5,365	4,376	253	582	351	934	28.2
425.00	Placerville	0	68,440	28,973	7,968	1,394	3,090	730	3,820	17.9
426.00	Placerville	0	707	726	18	32	80	0	80	8.8
427.00	Unincorporated El Dorado County (Remainder Area)	0	3,822	4,025	99	102	255	0	255	15.0

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

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428.00	Unincorporated El Dorado County (Remainder Area)	0	552	585	14	22	55	0	55	10.0
429.00	Unincorporated El Dorado County (Remainder Area)	0	1,196	1,391	35	35	87	0	87	13.8
430.00	Unincorporated El Dorado County (Remainder Area)	0	3,099	1,995	540	59	146	44	190	16.3
431.00	Placerville	1	14,049	510	2,219	28	59	167	226	62.1
432.00	Unincorporated El Dorado County (Remainder Area)	0	15,635	10,581	3,065	364	900	241	1,140	13.7
433.00	Placerville	1	17,033	10,014	2,240	680	1,398	175	1,572	10.8
434.00	Placerville	1	829	639	30	44	95	0	95	8.7
435.00	Placerville	1	1,291	671	229	47	100	27	127	10.2
436.00	Unincorporated El Dorado County (Remainder Area)	0	1,150	1,169	49	32	79	2	81	14.3
437.00	Unincorporated El Dorado County (Remainder Area)	0	5,361	5,894	130	147	371	0	371	14.5
438.00	Unincorporated El Dorado County (Remainder Area)	0	5,884	4,263	500	143	303	32	335	17.6
439.00	Unincorporated El Dorado County (Remainder Area)	0	9,747	4,631	1,509	169	359	90	449	21.7
440.00	Unincorporated El Dorado County (Remainder Area)	0	6,040	860	1,554	31	66	111	177	34.2
441.00	Placerville	1	399	392	11	15	35	0	35	11.4
442.00	Placerville	1	13,668	9,868	955	351	882	56	939	14.6
443.00	Unincorporated El Dorado County (Remainder Area)	0	1,953	1,875	55	59	125	0	125	15.6
444.00	Unincorporated El Dorado County (Remainder Area)	0	275	178	17	8	19	1	20	13.8
445.00	Placerville	0	840	787	55	26	65	3	68	12.3
446.00	Placerville	1	4,329	762	685	28	65	53	119	36.5
447.00	Unincorporated El Dorado County (Remainder Area)	0	8,430	3,148	1,548	81	199	116	314	26.8
448.00	Placerville	0	1,809	2,033	51	64	161	0	161	11.2
449.00	Unincorporated El Dorado County (Remainder Area)	0	467	470	12	14	30	0	30	15.5
450.00	Unincorporated El Dorado County (Remainder Area)	0	2,351	2,200	75	84	180	0	180	13.0
451.00	Unincorporated El Dorado County (Remainder Area)	0	897	864	25	27	58	0	58	15.5
452.00	Placerville	0	6,926	3,670	909	150	321	66	387	17.9
453.00	Placerville	1	3,303	3,170	137	183	391	0	391	8.4
454.00	Unincorporated El Dorado County (Remainder Area)	0	543	477	18	28	59	0	59	9.2
455.00	Unincorporated El Dorado County (Remainder Area)	0	2,534	2,645	67	73	181	0	181	14.0
456.00	Unincorporated El Dorado County (Remainder Area)	0	1,780	1,758	50	51	109	0	109	16.3
457.00	Unincorporated El Dorado County (Remainder Area)	0	3,114	2,969	246	68	153	13	166	18.7
458.00	Placerville	0	11,663	1,918	1,801	71	157	130	287	40.7
459.00	Placerville	0	727	701	21	28	62	0	62	11.7
460.00	Unincorporated El Dorado County (Remainder Area)	0	828	789	22	22	47	0	47	17.5
461.00	Unincorporated El Dorado County (Remainder Area)	0	113	128	2	6	13	0	13	8.6
462.00	Unincorporated El Dorado County (Remainder Area)	0	2,655	1,227	397	31	67	24	91	29.3
463.00	Unincorporated El Dorado County (Remainder Area)	0	3,710	5,319	47	89	195	0	195	19.0
464.00	Unincorporated El Dorado County (Remainder Area)	0	2,784	3,400	47	55	129	0	129	21.7
465.00	Unincorporated El Dorado County (Remainder Area)	0	3,700	5,360	33	65	163	0	163	22.7
466.00	Unincorporated El Dorado County (Remainder Area)	0	3,072	3,399	112	65	143	7	150	20.5
467.00	Unincorporated El Dorado County (Remainder Area)	0	2,474	3,484	29	49	107	0	107	23.0
468.00	Unincorporated El Dorado County (Remainder Area)	0	5,809	6,917	96	128	263	0	263	22.0
469.00	Unincorporated El Dorado County (Remainder Area)	0	3,777	5,157	42	70	156	0	156	24.2
470.00	Unincorporated El Dorado County (Remainder Area)	0	1,660	2,147	23	33	72	0	72	22.9
471.00	Unincorporated El Dorado County (Remainder Area)	0	1,206	1,593	17	26	57	0	57	21.1
472.00	Unincorporated El Dorado County (Remainder Area)	0	1,199	1,625	17	26	57	0	57	21.0
473.00	Unincorporated El Dorado County (Remainder Area)	0	1,173	675	222	13	33	25	58	20.3
474.00	Unincorporated El Dorado County (Remainder Area)	0	1,758	2,036	35	42	95	0	95	18.5
475.00	Unincorporated El Dorado County (Remainder Area)	0	1,835	2,187	33	42	95	0	95	19.3
476.00	Unincorporated El Dorado County (Remainder Area)	0	4,063	892	520	16	41	34	75	54.1
477.00	Unincorporated El Dorado County (Remainder Area)	0	1,563	2,169	20	31	78	0	78	20.1
478.00	Unincorporated El Dorado County (Remainder Area)	0	1,223	1,431	23	30	66	0	66	18.4
479.00	Unincorporated El Dorado County (Remainder Area)	0	5,065	3,278	418	62	156	29	185	27.4
480.00	Unincorporated El Dorado County (Remainder Area)	0	1,678	2,425	27	31	68	1	69	24.3
481.00	Unincorporated El Dorado County (Remainder Area)	0	1,339	1,915	18	24	53	0	53	25.2
482.00	Unincorporated El Dorado County (Remainder Area)	0	6,467	8,498	87	102	226	0	226	28.6
483.00	Unincorporated El Dorado County (Remainder Area)	0	9,677	4,706	1,019	132	285	76	361	26.8
484.00	Unincorporated El Dorado County (Remainder Area)	0	8,664	4,803	1,163	104	267	118	384	22.6
485.00	Unincorporated El Dorado County (Remainder Area)	0	2,237	3,007	29	40	103	0	103	21.8
486.00	Unincorporated El Dorado County (Remainder Area)	0	5,298	7,059	75	111	249	0	249	21.3
487.00	Unincorporated El Dorado County (Remainder Area)	0	18,956	8,234	3,010	228	504	184	688	27.5
488.00	Unincorporated El Dorado County (Remainder Area)	0	5,748	7,252	103	125	283	0	283	20.3

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489.00	Unincorporated El Dorado County (Remainder Area)	0	7,454	6,638	400	157	355	24	379	19.7
490.00	Unincorporated El Dorado County (Remainder Area)	0	1,519	1,800	30	35	86	0	86	17.7
491.00	Unincorporated El Dorado County (Remainder Area)	0	7,387	8,719	159	181	444	0	444	16.6
492.00	Unincorporated El Dorado County (Remainder Area)	0	8,943	3,434	1,032	76	188	72	259	34.5
493.00	Unincorporated El Dorado County (Remainder Area)	0	9,974	3,625	1,448	79	195	101	296	33.7
494.00	Unincorporated El Dorado County (Remainder Area)	0	6,401	3,004	751	71	174	55	229	28.0
495.00	Unincorporated El Dorado County (Remainder Area)	0	642	746	14	17	42	0	42	15.4
496.00	Unincorporated El Dorado County (Remainder Area)	0	7,255	4,211	705	94	232	52	284	25.5
497.00	Unincorporated El Dorado County (Remainder Area)	0	9,515	4,968	998	109	263	75	338	28.1
498.00	Unincorporated El Dorado County (Remainder Area)	0	3,595	4,024	174	78	176	13	189	19.0
499.00	Unincorporated El Dorado County (Remainder Area)	0	1,508	1,831	30	38	93	0	93	16.2
500.00	Unincorporated El Dorado County (Remainder Area)	0	5,328	1,104	1,151	11	24	97	121	43.9
501.00	Unincorporated El Dorado County (Remainder Area)	0	2,241	818	547	22	49	58	107	20.9
502.00	Unincorporated El Dorado County (Remainder Area)	0	7,265	8,870	138	147	349	0	349	20.8
503.00	Unincorporated El Dorado County (Remainder Area)	0	5,212	10	832	1	2	56	58	89.5
504.00	Unincorporated El Dorado County (Remainder Area)	0	13,928	5,068	1,609	140	313	103	416	33.5
505.00	Unincorporated El Dorado County (Remainder Area)	0	80	94	1	3	7	0	7	11.9
506.00	Unincorporated El Dorado County (Remainder Area)	0	999	1,020	35	28	64	1	65	15.5
507.00	Unincorporated El Dorado County (Remainder Area)	0	2,140	2,506	48	61	145	0	145	14.8
508.00	Unincorporated El Dorado County (Remainder Area)	0	4,886	2,880	1,147	85	184	114	298	16.4
509.00	Unincorporated El Dorado County (Remainder Area)	0	2,068	408	644	12	27	77	104	19.9
510.00	Unincorporated El Dorado County (Remainder Area)	0	3,547	2,946	220	92	200	15	215	16.5
511.00	Unincorporated El Dorado County (Remainder Area)	0	2,011	1,581	131	46	109	9	118	17.0
512.00	Unincorporated El Dorado County (Remainder Area)	0	1,918	2,169	43	45	107	0	107	17.9
513.00	Unincorporated El Dorado County (Remainder Area)	0	7,991	10,290	169	178	456	7	463	17.2
514.00	Unincorporated El Dorado County (Remainder Area)	0	31,249	42,833	372	715	1,830	0	1,830	17.1
515.00	Unincorporated El Dorado County (Remainder Area)	0	3,158	4,051	53	78	188	0	188	16.8
516.00	Unincorporated El Dorado County (Remainder Area)	0	7,382	9,963	101	162	391	0	391	18.9
517.00	Unincorporated El Dorado County (Remainder Area)	0	23,611	18,891	1,703	490	1,085	139	1,224	19.3
518.00	Unincorporated El Dorado County (Remainder Area)	0	13,171	12,335	789	325	745	53	799	16.5
519.00	Unincorporated El Dorado County (Remainder Area)	0	7,775	6,198	736	162	371	60	432	18.0
520.00	Unincorporated El Dorado County (Remainder Area)	0	14,003	12,116	1,155	296	678	99	778	18.0
521.00	Unincorporated El Dorado County (Remainder Area)	0	16,053	9,300	1,643	309	686	167	853	18.8
522.00	Unincorporated El Dorado County (Remainder Area)	0	4,846	5,831	165	96	236	9	245	19.8
523.00	Unincorporated El Dorado County (Remainder Area)	0	25,032	10,010	3,079	303	698	272	970	25.8
524.00	Unincorporated El Dorado County (Remainder Area)	0	19,426	8,848	2,499	214	495	207	702	27.7
525.00	Unincorporated El Dorado County (Remainder Area)	0	4,550	5,752	59	97	233	0	233	19.5
526.00	Unincorporated El Dorado County (Remainder Area)	0	3,180	3,986	56	56	142	0	142	22.4
527.00	Unincorporated El Dorado County (Remainder Area)	0	8,817	6,930	828	186	447	71	517	17.0
528.00	Unincorporated El Dorado County (Remainder Area)	0	51,110	63,166	878	1,062	2,556	51	2,607	19.6
529.00	Unincorporated El Dorado County (Remainder Area)	0	1,246	1,205	123	19	46	8	54	23.0
530.00	Unincorporated El Dorado County (Remainder Area)	0	13,123	17,326	221	226	551	0	551	23.8
531.00	Unincorporated El Dorado County (Remainder Area)	0	3,780	4,954	61	59	144	0	144	26.3
532.00	Unincorporated El Dorado County (Remainder Area)	0	3,605	4,520	64	64	156	0	156	23.1
533.00	Unincorporated El Dorado County (Remainder Area)	0	11,576	9,219	977	152	367	53	420	27.6
534.00	Unincorporated El Dorado County (Remainder Area)	0	4,239	5,370	71	69	168	0	168	25.2
535.00	Unincorporated El Dorado County (Remainder Area)	0	5,307	6,664	83	95	245	0	245	21.7
536.00	Unincorporated El Dorado County (Remainder Area)	0	5,429	6,878	82	106	273	0	273	19.9
537.00	Unincorporated El Dorado County (Remainder Area)	0	10,801	14,144	137	209	536	0	536	20.1
538.00	Unincorporated El Dorado County (Remainder Area)	0	15,364	7,211	1,819	161	382	137	519	29.6
539.00	Unincorporated El Dorado County (Remainder Area)	0	13,283	1,807	1,887	11	27	142	169	78.6
540.00	Unincorporated El Dorado County (Remainder Area)	0	9,508	0	1,670	0	0	132	132	71.9
541.00	Unincorporated El Dorado County (Remainder Area)	0	2,557	832	296	18	43	24	67	38.0
542.00	Unincorporated El Dorado County (Remainder Area)	0	6,214	2,214	951	55	130	76	206	30.2
543.00	Unincorporated El Dorado County (Remainder Area)	0	32,969	1,653	6,276	50	118	368	486	67.8
544.00	Unincorporated El Dorado County (Remainder Area)	0	2,495	2,639	62	59	137	0	137	18.2
545.00	Unincorporated El Dorado County (Remainder Area)	0	1,400	1,731	20	27	64	0	64	21.9
546.00	Unincorporated El Dorado County (Remainder Area)	0	7,935	9,955	114	132	310	0	310	25.6
547.00	Unincorporated El Dorado County (Remainder Area)	0	4,902	527	751	13	31	64	95	51.7
548.00	Unincorporated El Dorado County (Remainder Area)	0	15,454	17,659	588	405	960	27	987	15.7
549.00	Unincorporated El Dorado County (Remainder Area)	0	2,386	2,750	63	54	128	1	129	18.5

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550.00	Unincorporated El Dorado County (Remainder Area)	0	6,426	1,683	983	41	100	62	162	39.6
551.00	Unincorporated El Dorado County (Remainder Area)	0	9,094	1,799	1,338	46	115	87	202	45.0
552.00	Unincorporated El Dorado County (Remainder Area)	0	1,073	451	105	11	26	6	32	33.5
553.00	Unincorporated El Dorado County (Remainder Area)	0	1,485	1,747	32	35	83	0	83	17.9
554.00	Unincorporated El Dorado County (Remainder Area)	0	6,832	7,978	186	186	438	5	443	15.4
555.00	Unincorporated El Dorado County (Remainder Area)	0	1,556	1,749	30	39	92	0	92	16.9
556.00	Unincorporated El Dorado County (Remainder Area)	0	4,505	5,449	80	89	211	0	211	21.4
557.00	Unincorporated El Dorado County (Remainder Area)	0	1,802	1,533	212	34	81	20	101	17.9
558.00	Unincorporated El Dorado County (Remainder Area)	0	1,997	2,487	27	40	96	0	96	20.8
559.00	Unincorporated El Dorado County (Remainder Area)	0	1,254	1,450	22	28	67	0	67	18.6
560.00	Unincorporated El Dorado County (Remainder Area)	0	5,888	1,187	1,725	28	66	172	238	24.7
561.00	Unincorporated El Dorado County (Remainder Area)	0	903	1,023	19	23	54	0	54	16.6
562.00	Unincorporated El Dorado County (Remainder Area)	0	3,761	4,635	55	73	175	0	175	21.4
563.00	Unincorporated El Dorado County (Remainder Area)	0	2,113	2,718	24	40	90	0	90	23.5
564.00	Unincorporated El Dorado County (Remainder Area)	0	1,049	1,223	24	27	62	0	62	16.8
565.00	Unincorporated El Dorado County (Remainder Area)	0	2,190	2,331	51	69	143	0	143	15.3
566.00	Unincorporated El Dorado County (Remainder Area)	0	3,958	3,996	138	112	264	5	269	14.7
567.00	Unincorporated El Dorado County (Remainder Area)	0	3,098	693	572	29	60	50	110	28.2
568.00	Unincorporated El Dorado County (Remainder Area)	0	2,953	755	544	26	61	47	108	27.3
569.00	Unincorporated El Dorado County (Remainder Area)	0	7,052	1,990	1,067	72	169	96	265	26.6
570.00	Unincorporated El Dorado County (Remainder Area)	0	8,738	1,183	1,828	53	109	169	278	31.5
571.00	Unincorporated El Dorado County (Remainder Area)	0	1,103	1,129	27	38	79	0	79	14.0
572.00	Unincorporated El Dorado County (Remainder Area)	0	4,783	1,227	950	39	90	89	178	26.8
573.00	Unincorporated El Dorado County (Remainder Area)	0	8,102	9,731	124	127	284	0	284	28.5
574.00	Unincorporated El Dorado County (Remainder Area)	0	4,431	5,623	53	88	204	1	205	21.7
575.00	Unincorporated El Dorado County (Remainder Area)	0	2,837	4,072	21	37	86	0	86	33.1
576.00	Unincorporated El Dorado County (Remainder Area)	0	2,779	857	318	19	43	33	76	36.6
577.00	Unincorporated El Dorado County (Remainder Area)	0	527	634	7	14	32	0	32	16.7
578.00	Unincorporated El Dorado County (Remainder Area)	0	25,175	38,370	123	452	1,016	0	1,016	24.8
579.00	Unincorporated El Dorado County (Remainder Area)	0	2,815	4,063	21	41	96	0	96	29.3
580.00	Unincorporated El Dorado County (Remainder Area)	0	2,486	3,364	26	42	98	0	98	25.3
581.00	Unincorporated El Dorado County (Remainder Area)	0	4,799	7,014	39	66	146	0	146	32.9
582.00	Unincorporated El Dorado County (Remainder Area)	0	14,077	1,003	1,592	15	37	65	102	138.1
583.00	Unincorporated El Dorado County (Remainder Area)	0	31,137	46,747	289	447	987	15	1,002	31.1
584.00	Unincorporated El Dorado County (Remainder Area)	0	2,092	2,040	106	22	47	6	53	39.5
585.00	Unincorporated El Dorado County (Remainder Area)	0	9,978	14,109	93	148	327	0	327	30.5
586.00	Unincorporated El Dorado County (Remainder Area)	0	3,806	2,882	256	56	105	10	115	33.1
587.00	Unincorporated El Dorado County (Remainder Area)	0	1,958	2,759	23	48	116	0	116	16.9
588.00	Unincorporated El Dorado County (Remainder Area)	0	15,925	22,630	144	348	892	0	892	17.9
589.00	Unincorporated El Dorado County (Remainder Area)	0	242	293	6	8	16	0	16	15.1
590.00	Unincorporated El Dorado County (Remainder Area)	0	821	1,035	14	23	55	0	55	15.0
591.00	Unincorporated El Dorado County (Remainder Area)	0	67	86	1	3	7	0	7	9.3
592.00	Unincorporated El Dorado County (Remainder Area)	0	14,516	9,439	1,267	361	801	146	947	15.3
593.00	Unincorporated El Dorado County (Remainder Area)	0	6,882	5,906	524	155	370	56	426	16.2
594.00	Unincorporated El Dorado County (Remainder Area)	0	11,349	15,110	162	316	754	0	754	15.1
595.00	Unincorporated El Dorado County (Remainder Area)	0	4,059	2,680	248	46	104	27	131	31.0
596.00	Unincorporated El Dorado County (Remainder Area)	0	5,286	3,070	489	59	151	48	199	26.5
597.00	Unincorporated El Dorado County (Remainder Area)	0	12,445	3,084	1,734	122	271	214	485	25.6
598.00	Unincorporated El Dorado County (Remainder Area)	0	8,861	388	1,425	15	33	166	200	44.4
599.00	Unincorporated El Dorado County (Remainder Area)	0	625	767	12	18	40	0	40	15.7
600.00	Unincorporated El Dorado County (Remainder Area)	0	11,526	8,182	1,034	217	481	94	575	20.0
601.00	Unincorporated El Dorado County (Remainder Area)	0	1,412	1,886	5	11	24	0	24	58.1
602.00	Unincorporated El Dorado County (Remainder Area)	0	1,927	117	233	3	6	9	15	131.8
603.00	Unincorporated El Dorado County (Remainder Area)	0	3,703	478	915	12	23	32	55	67.9
604.00	Unincorporated El Dorado County (Remainder Area)	0	3,442	642	445	17	31	13	44	78.6
605.00	Unincorporated El Dorado County (Remainder Area)	0	2,892	928	800	21	46	29	75	38.8
606.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
607.00	Unincorporated El Dorado County (Remainder Area)	0	3,454	4,702	12	19	47	0	47	73.9
608.00	Unincorporated El Dorado County (Remainder Area)	0	29	41	0	1	2	0	2	13.8
609.00	Unincorporated El Dorado County (Remainder Area)	0	9,965	1,530	1,513	37	80	61	141	70.5
610.00	El Dorado Hills	0	61,483	164	29,168	0	0	2,727	2,727	22.5

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
611.00	El Dorado Hills	0	57,265	31,365	9,004	1,042	2,614	673	3,287	17.4
612.00	El Dorado Hills	0	128,667	1,212	64,152	0	0	5,788	5,788	22.2
613.00	Unincorporated El Dorado County (Remainder Area)	0	116	95	18	4	10	3	13	9.1
614.00	El Dorado Hills	0	15,048	9,956	1,200	900	550	98	648	23.2
615.00	El Dorado Hills	0	6,599	7,802	151	1,078	550	0	550	12.0
616.00	El Dorado Hills	0	18,114	2,600	4,683	1,064	138	421	559	32.4
617.00	El Dorado Hills	0	14,461	9,641	958	187	553	89	642	22.5
618.00	El Dorado Hills	0	4,780	0	2,232	0	0	265	265	18.1
619.00	El Dorado Hills	0	3,779	0	640	0	0	60	60	63.0
620.00	El Dorado Hills	0	19,958	5,115	1,755	0	0	178	178	112.1
621.00	El Dorado Hills	0	12,263	15,563	225	326	963	0	963	12.7
622.00	El Dorado Hills	0	20,114	17,736	1,262	370	1,094	90	1,184	17.0
623.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
624.00	El Dorado Hills	0	15,296	13,869	713	309	918	54	972	15.7
625.00	El Dorado Hills	0	182	0	108	0	0	12	12	15.2
626.00	Unincorporated El Dorado County (Remainder Area)	0	43,057	4,693	6,540	164	386	556	941	45.7
627.00	Unincorporated El Dorado County (Remainder Area)	0	61,494	0	11,011	0	0	966	966	63.6
628.00	Unincorporated El Dorado County (Remainder Area)	0	18,887	21,631	470	525	1,322	0	1,322	14.3
629.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
630.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
631.00	Unincorporated El Dorado County (Remainder Area)	0	0	0	0	0	0	0	0	-
632.00	Unincorporated El Dorado County (Remainder Area)	0	6,976	9,889	46	0	138	0	138	50.5
633.00	Unincorporated El Dorado County (Remainder Area)	0	26,246	38,307	160	0	550	0	550	47.7
634.00	Unincorporated El Dorado County (Remainder Area)	0	26,728	38,912	160	0	552	0	552	48.4
635.00	Unincorporated El Dorado County (Remainder Area)	0	13,720	19,714	87	0	276	0	276	49.7
636.00	Unincorporated El Dorado County (Remainder Area)	0	26,659	38,879	160	0	556	0	556	48.0
637.00	Unincorporated El Dorado County (Remainder Area)	0	32,628	48,040	190	0	695	0	695	47.0
638.00	Unincorporated El Dorado County (Remainder Area)	0	4,762	6,772	31	0	94	0	94	50.4
639.00	Unincorporated El Dorado County (Remainder Area)	0	9,324	13,286	62	0	189	0	189	49.4
640.00	Unincorporated El Dorado County (Remainder Area)	0	32,396	47,952	195	0	713	0	713	45.4
641.00	Unincorporated El Dorado County (Remainder Area)	0	8,942	12,858	59	0	189	0	189	47.4
642.00	Unincorporated El Dorado County (Remainder Area)	0	96,329	149,203	504	0	2,421	0	2,421	39.8
643.00	Unincorporated El Dorado County (Remainder Area)	0	28,570	42,555	183	0	672	0	672	42.5
644.00	Unincorporated El Dorado County (Remainder Area)	0	10,901	16,084	67	0	238	0	238	45.7
645.00	Unincorporated El Dorado County (Remainder Area)	0	55,295	85,134	278	0	1,311	0	1,311	42.2
646.00	Unincorporated El Dorado County (Remainder Area)	0	21,013	31,471	124	0	477	0	477	44.1
647.00	Unincorporated El Dorado County (Remainder Area)	0	5,541	8,074	36	0	119	0	119	46.5
648.00	Unincorporated El Dorado County (Remainder Area)	0	5,505	8,042	35	0	119	0	119	46.2
649.00	Unincorporated El Dorado County (Remainder Area)	0	5,383	7,889	34	0	119	0	119	45.2
650.00	Outside of County	0	2,942,971	1,505,773	485,812	0	0	0	0	-
651.00	Outside of County	0	27,769	16,479	2,958	0	0	0	0	-
652.00	Outside of County	0	0	0	0	0	0	0	0	-
653.00	Outside of County	0	413,143	185,862	49,818	0	0	0	0	-
654.00	Outside of County	0	41,868	9,378	2,404	0	0	0	0	-
655.00	Outside of County	0	354,971	121,227	34,103	0	0	0	0	-
656.00	Outside of County	0	57,094	18,936	7,199	0	0	0	0	-
657.00	Outside of County	0	196,765	9,151	3,601	0	0	0	0	-
658.00	Outside of County	0	0	0	0	0	0	0	0	-
659.00	Outside of County	0	5,513	2,920	861	0	0	0	0	-
660.00	Outside of County	0	186,367	104,302	33,903	0	0	0	0	-
661.00	Outside of County	0	149,847	79,824	24,281	0	0	0	0	-
662.00	Outside of County	0	735,273	384,408	123,978	0	0	0	0	-
663.00	Outside of County	0	754,991	273,491	86,460	0	0	0	0	-
664.00	Outside of County	0	463,823	247,401	66,256	0	0	0	0	-
665.00	Outside of County	0	229,418	98,361	36,151	0	0	0	0	-
666.00	Outside of County	0	104,943	56,627	17,229	0	0	0	0	-
667.00	Outside of County	0	0	0	0	0	0	0	0	-
668.00	Outside of County	0	534,233	359,047	0	0	0	0	0	-
669.00	Outside of County	0	0	0	0	0	0	0	0	-
670.00	Outside of County	0	0	0	0	0	0	0	0	-
671.00	Outside of County	0	213,049	112,387	30,181	0	0	0	0	-

VMT Summary by Jurisdiction - 2040 Baseline Scenario Plus Project

TAZ	Community Region	In the City of Placerville (1=Yes, 0=N	Total OD VMT	Home-based PA VMT	Home-Based Work PA VMT	Households	Population	Employment	Service Population	Total OD VMT per Service Population
672.00	Outside of County	0	40,976	39,948	0	0	0	0	0	-
673.00	Outside of County	0	35,073	17,284	0	0	0	0	0	-
674.00	Outside of County	0	408,628	28,613	0	0	0	0	0	-

Appendix C:

Quick Quack Queue Data

Maximum Queue Observations - Friday, June 4, 2021

	West Sac Quick Quack	Woodland Automated Car Wash
4:00-4:15 p.m.	6	4
4:15-4:30 p.m.	10	5
4:30-4:45 p.m.	9	5
4:45-5:00 p.m.	3	2
5:00-5:15 p.m.	11	2
5:15-5:30 p.m.	7	3
5:30-5:45 p.m.	4	3
5:45-6:00 p.m.	5	

Maximum Queue Observations - Saturday, June 5, 2021

	West Sac Quick Quack	Roseville Quick Quack
12:30-12:45 p.m.	4	
12:45-1:00 p.m.	8	
1:00-1:15 p.m.	4	7
1:15-1:30 p.m.	3	15
1:30-1:45 p.m.	4	

Inputs			
Service Rate	Duration (min)	Arrivals (inbound trips)	Net Arrivals
Seeding Interval	20	19	19
Analysis Interval	60	55	74
Service Rate (Seconds per Vehicle)	30	Note: If red inputs are changed, copy values from "GeneratorFormula" sheet to "GeneratorRaw" sheet	

Outputs		
Queue Length	Probability	Percentile
2	100 in 100	0%
3	96 in 100	4%
4	41 in 100	59%
5	4 in 100	96%
6	0 in 100	N/A
7	0 in 100	N/A
8	0 in 100	N/A
9	0 in 100	N/A
10	0 in 100	N/A
11	0 in 100	N/A
12	0 in 100	N/A
13	0 in 100	N/A
14	0 in 100	N/A
15	0 in 100	N/A
16	0 in 100	N/A
17	0 in 100	N/A
18	0 in 100	N/A
19	0 in 100	N/A
20	0 in 100	N/A
21	0 in 100	N/A
22	0 in 100	N/A
23	0 in 100	N/A
24	0 in 100	N/A
25	0 in 100	N/A