

An Application Seeking Funding Under the Federal Railroad Administration's
Federal-State Partnership Program

Vista Road Crossing Closure and Grade Separation Project

Appendix E: Letters of Support

Applicant:
San Bernardino County



January 7, 2026





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Appendix F: Letter of Financial Commitment

Applicant:
San Bernardino County



January 7, 2026





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Appendix G: Plans and Schematics

Applicant:
San Bernardino County



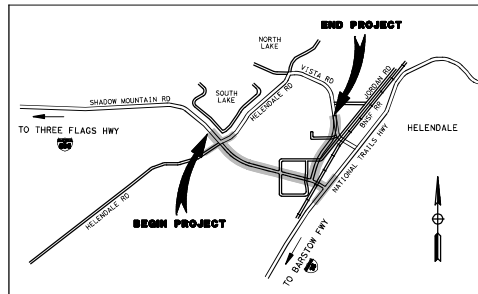
January 7, 2026





**COUNTY OF SAN BERNARDINO
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION
PLANS FOR CONSTRUCTION ON
SHADOW MOUNTAIN ROAD
NATIONAL TRAILS HIGHWAY
VISTA ROAD**

**WORK ORDER NO. K00124 ROAD NO. 744900/ 030, 586600/ 030, 852550/ 020
LENGTH = VARIES**



LOCATION MAP
NOT TO SCALE

**80% SUBMITTAL
2012-06-25**



PLANS PREPARED BY:
AECOM
999 N. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

COUNTY OF SAN BERNARDINO

APPROVED BY: _____
XXXX XXXX DIRECTOR OF PUBLIC WORKS R.C.E. XXXXX _____ DATE _____

MARK	CHANGES	RESIDENT ENGINEER	DRAWING NO.	SHEET NO.	TOTAL SHEETS
NO CHANGES			T-01	1	X
FIELD CHANGES					

8/16/2012 Shadow Mountain 051000_040104_0111000000_1-01.dgn
8/28/2012

DWG NO.	TITLE	SHT NO.
T-01	TITLE SHEET	1
T-02	INDEX OF DRAWINGS	2
T-03	SECTION INDEX MAP	3
T-04	CONSTRUCTION NOTES AND ABBREVIATIONS	4
X-01	TYPICAL SECTIONS	5
X-02	TYPICAL SECTIONS	6
X-03	TYPICAL SECTIONS	7
X-04	TYPICAL SECTIONS	8
F-01	GEOMETRIC CONTROL - STA 93+12.28 "A" LINE TO 124+00 "A" LINE	9
	STA 124+00 "A" LINE TO 148+30.24 "H" LINE	10
F-02	GEOMETRIC CONTROL - STA 10+00 "B" LINE TO 28+00 "B" LINE AND "DWY 03"	11
F-03	GEOMETRIC CONTROL - STA 187+74 "N" LINE TO 209+17 "N" LINE	10
	AND "DWY 02"	11
F-04	GEOMETRIC CONTROL - STA 28+00 "B" LINE TO 48+22.65 "B" LINE AND "DWY 04"	12
	STA 19+82.50 "J" LINE TO 23+37.25 "J" LINE	13
	STA 39+86.45 "B" LINE TO 48+22.65 "B" LINE	13
L-01	LAYOUT PLAN AND PROFILE - STA 92+36.48 "A" LINE TO 98+50 "A" LINE	13
L-02	LAYOUT PLAN AND PROFILE - STA 98+50 "A" LINE TO 107+00 "A" LINE	14
L-03	LAYOUT PLAN AND PROFILE - 107+00 "A" LINE TO 116+00 "A" LINE	15
L-04	LAYOUT PLAN AND PROFILE - STA 116+00 "A" LINE TO 125+00 "A" LINE	16
L-05	LAYOUT PLAN AND PROFILE - STA 125+00 "A" LINE TO 134+00 "A" LINE	17
L-06	LAYOUT PLAN AND PROFILE - STA 134+00 "A" LINE TO 143+00 "A" LINE	17
L-07	LAYOUT PLAN AND PROFILE - STA 143+00 "A" LINE TO 148+29.24 "A" LINE	18
L-08	LAYOUT PLAN AND PROFILE - STA 187+65.23 "N" LINE TO 198+00 "N" LINE	20
	AND "DWY 01" AND "DWY 02"	21
L-09	LAYOUT PLAN AND PROFILE - STA 198+00 "H" LINE TO 19+00 "H" LINE	21
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L-12	LAYOUT PLAN AND PROFILE - STA 26+00 "B" LINE TO 35+00 "B" LINE	24
L-13	LAYOUT PLAN AND PROFILE - STA 35+00 "B" LINE TO 43+00 "B" LINE	25
L-14	LAYOUT PLAN AND PROFILE - STA 43+00 "B" LINE TO 48+25.74 "B" LINE	26
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L-15	LAYOUT PLAN AND PROFILE - STA 10+00 "C" LINE TO 19+00 "C" LINE	27
L-16	LAYOUT PLAN AND PROFILE - STA 31+46.92 "H" LINE TO 37+50 "H" LINE	28
L-17	LAYOUT PLAN AND PROFILE - STA 37+50 "H" LINE TO 45+00 "H" LINE	28
L-18	LAYOUT PLAN AND PROFILE - STA 45+00 "H" LINE TO 48+71.62 "H" LINE	30
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DWG NO.	TITLE	SHT NO.
	CIVIL CONT.	
G-01	GRADING PLAN - STA 30+00 "H" LINE TO STA 37+50 "H" LINE	49
	STA 41+50 "H" LINE TO STA 48+80 "H" LINE	
G-02	GRADING PLAN - STA 92+00 "A" LINE TO 107+00 "A" LINE	50
	STA 37+50 "H" LINE TO STA 41+50 "H" LINE	
G-03	GRADING PLAN - STA 107+00 "A" LINE TO 119+00 "A" LINE	51
G-04	GRADING PLAN - STA 119+00 "A" LINE TO 131+00 "A" LINE	52
	STA 10+00 "C" LINE TO 20+00 "C" LINE	
G-05	GRADING PLAN - STA 131+00 "A" LINE TO 143+00 "A" LINE	53
	STA 10+00 "B" LINE TO 14+00 "B" LINE	
G-06	GRADING PLAN - STA 143+00 "A" LINE TO 148+30 "A" LINE	54
	STA 198+50 "H" LINE TO 201+50 "H" LINE	
G-07	GRADING PLAN - STA 189+00 "H" LINE TO 198+50 "H" LINE	55
	STA 201+50 "H" LINE TO 210+00 "H" LINE	
G-08	GRADING PLAN - STA 14+00 "B" LINE TO 26+00 "B" LINE	56
	AND "DWY 03"	
G-09	GRADING PLAN - STA 26+00 "B" LINE TO 38+00 "B" LINE	57
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DWG NO.	TITLE	SHT NO.
	STRUCTURAL - OVERHEAD BRIDGE	
S-01	GENERAL PLAN	
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S-03	DECK CONTOURS	
S-04	FOUNDATION PLAN	
S-05	ABUTMENT LAYOUT	
S-06	ABUTMENT DETAILS NO. 1	
S-07	ABUTMENT DETAILS NO. 2	
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S-09	TYPICAL SECTION	
S-10	ABUTMENT DIAPHRAGM	
S-11	GIRDER LAYOUT	
S-12	SLAB REINFORCEMENT	
S-13	PTE/SPHERICAL EXPANSION BEARING DETAILS	
S-14	STRUCTURE APPROACH TYPE N1305	
S-15	STRUCTURE APPROACH DRAINAGE DETAILS	
S-16	CHAIN LINK RAILING TYPE 3	
M-01	RETAINING WALL GENERAL PLAN	
M-02	RETAINING WALL NO. 1 WALL LAYOUT	
M-03	RETAINING WALL NO. 1 STRUCTURE PLAN NO. 1	
M-04	RETAINING WALL NO. 1 STRUCTURE PLAN NO. 2	
M-05	RETAINING WALL NO. 2 WALL LAYOUT	
M-06	RETAINING WALL NO. 2 STRUCTURE PLAN NO. 1	
M-07	RETAINING WALL NO. 2 STRUCTURE PLAN NO. 2	
M-08	MSE WALL DETAIL NO. 1	
M-09	MSE WALL DETAIL NO. 2	
M-10	MSE WALL DETAIL NO. 3	
M-11	MSE WALL DETAIL NO. 4	
M-12	MSE WALL DETAIL NO. 5	
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S-103	DECK CONTOURS	
S-104	FOUNDATION PLAN	
S-105	ABUTMENT 1 LAYOUT	
S-106	ABUTMENT 7 LAYOUT	
S-107	ABUTMENT DETAILS NO. 1	
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S-112	PIER DETAILS	
S-113	PIER NOSING DETAILS	
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S-116	GIRDER LAYOUT NO. 2	
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Don't Stop...Until You Get USA, 1st Time

OTOL BY

for the location

Don't forget

OTL service

NO WORKING DAYS BEFORE YOU GO TO THE FIELD

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NOTE: ABBREVIATIONS ARE PER CALTRANS STANDARD
A10A AND A10B UNLESS NOTED OTHERWISE.

AB = AGGREGATE BASE MBGR

AC	= AGGREGATE BASE	MBCR	= METAL BEAM GUARD RAIL
AS	= ASPHALT CONCRETE	MB	= MAILBOX
AB	= ANGLE POINT	MD	= MEDIAN
BB	= BEGINNING OF BRIDGE	MM	= MANHOLE
BE	= BEGIN	MIN	= MINIMUM
BC	= BEGIN CURVATURE	MISC	= MISCELLANEOUS
BCR	= BEGIN CURB RETURN	MOD	= MODIFIED
BR	= BRIDGE	MPE	= MILES PER HOUR
BVC	= BEGIN VERTICAL CURVE	MVC	= MODERATE VERTICAL CURVE
CLR	= CLEAR	OC	= OUTSIDE OF CENTER
CWG	= CURB AND GUTTER	OCN	= ON CENTER
CON	= CONCRETE	OG	= ORIGINAL GROUND
CONST	= CONSTRUCT	OH	= OVERHEAD
CONT	= CONTINUOUS	PCC	= PORTLAND CEMENT CONCRETE
CB	= CATCH BASIN	PI	= POINT OF INTERSECT
CL	= CENTER LINE	P1	= PROPERTY LINE
CUP	= CORRUGATED STEEL PIPE	PR	= PROFILE GRADE
DE	= DRAINAGE EASEMENT	PRC	= POINT OF REVERSE CURVE
DEG	= DEGREES	PSI	= POUNDS PER SQUARE INCH
DET	= DETAIL	RD	= ROAD
DIA	= DIAMETER	POB	= POINT OF BEGIN
DWG	= DRAWING	POCC	= POINT OF COMPOUND CURVE
DWY	= DRIVEWAY	PGE	= POINT OF END
E	= EACH	PROP	= PROPOSED
EB	= END OF BRIDGE	R	= RADIUS
EC	= END CURVATURE	RCR	= REINFORCE CONCRETE PIPE
EMB	= EMBANKMENT	RT	= RIGHT
ED	= EDGE OF PAVEMENT	R/W	= RIGHT OF WAY
ETW	= EDGE OF TRAVELWAY	S	= SLOPE
ESMT	= EASEMENT	SE	= SLOPE EASEMENT
EX	= EXCAVATION	SHLD	= SHOULDER
EXIST	= EXISTING	SMT	= SHEET
EXP	= EXPANSION	ST	= STREET
ELEC	= ELECTRIC	STA	= STATION
ELEV	= ELEVATION	STD	= STANDARD
FG	= FINISH GROUND	STR	= STRUCTURAL
FL	= FLOW LINE	SW	= SYSTEM
FS	= FINISH SURFACE	SW	= SIDEWALK
FES	= FLARED END SECTION	TEMP	= TEMPORARY
FBY	= FREEWAY	TO	= TOP OF CURB
GB	= GRADE BREAK	TO	= TOP OF Dike
ID	= INSIDE DIAMETER	TO	= TOTAL
IMP	= IMPROVEMENT	TP	= TOP OF PAVEMENT
INT	= INTERSECTION	TCE	= TEMPORARY CONSTRUCTION EASEMENT
INV	= INVERT	TS	= TERMINAL SYSTEM
JN	= JUNCTION STRUCTURE	TM	= TOP OF MALL
LLO	= LAYOUT LINE	TP	= TYPICAL
LT	= LEFT	UG	= VARIES
MA	= MAINT ARM	UG	= UNDER GROUND
MAX	= MAXIMUM		

- 2) CONST 'X' 'HMA OVER 'X' AB (CLASS 2)
- 3) CONST 'B' 'PCC CURB & GUTTER PER COUNTY STD NO. 115
- 4) CONST 'B' 'PCC CURB ONLY TYPE 1 AT PER CALTRANS STD PLAN NO. APTA
- 5) CONST 'C' 'PCC SIDEWALK PER COUNTY STD NO. 109 (WIDTH PER PLAN)
- 6) CONST 'HRY' APPROACH PER COUNTY STD NO. 128
- 7) CONST 'CURB RAMP PER COUNTY STD NO. 110
- 8) CONST 'CROSS GUTTER PER COUNTY STD NO. 119
- 9) CONST 'CONC BARRIER (TYPE 26 MOD) PER DET 6, SHT C-12
- 10) CONST 'CONC BARRIER (TYPE 26 MOD) END TRANSITION PER DET 6, SHT C-12
- 11) CONST 'B' 'HMA DIKE PER COUNTY STD NO. 117
- 12) CONST 'X' 'AB ONLY (CLASS 2)
- 13) CONST 'METAL BEAM GUARD RAILING TRANSITION RAILING TYPE 15 CH C-12 PER PLAN NO. APTA
- 14) CONST 'FLARED END METAL BEAM GUARD RAILING TERMINAL SYSTEM PER DETAIL ON SHT C-13
- 15) CONST 'HRY' APPROACH PER COUNTY STD NO. 128A
- 16) CONST 'ROCK SLOPE PROTECTION PER DET 7, SHT C-12
- 17) SARCUT EXISTING PAVEMENT
- 18) 'X' 'MIN. OLD PLANE EXIST PAVEMENT AND OVERLAY
- 19) 'X' 'MIN. TRANSITION CURB WITH TRANSITION TRANSITION
- 20) 'X' 'MIN. TRANSITION CURB PER DET 6, SHT C-10 & C-11
- 21) CONST 'X' 'HMA OVER 'X' AB (CLASS 2)
- 22) CONST 'TRANSITION CURB & GUTTER PER DET 8, SHT C-12

JA	PROTECT EXIST UNDERGROUND UTILITIES IN PLACE
JB	PROTECT EXIST OVERHEAD UTILITIES IN PLACE
JC	PROTECT EXIST MANHOLE IN PLACE
JD	PROTECT EXIST BLOWOFF
JE	PROTECT EXIST VALVE
JF	PROTECT EXIST FLUSH OUT
JG	PROTECT EXIST RISER
JH	PROTECT EXIST STREET LIGHT
JI	PROTECT EXIST SIGN/POST IN PLACE
JB	PROTECT EXIST GUARD POST
JD	PROTECT EXIST MONITORING WELL SITE IN PLACE
JE	PROTECT EXIST CONC W-OTCH
JF	PROTECT EXIST FENCING
JG	PROTECT EXIST BUILDING STRUCTURE
JH	PROTECT EXIST VAULT
JI	REMOVE EXIST SIGN/POST
JB	REMOVE EXIST MANHOLE
JC	REMOVE EXIST TREE/SHRUB AND ROOTS
JD	REMOVE EXIST RISER
JE	REMOVE EXIST FENCING
JF	REMOVE EXIST GUARD POST
JG	REMOVE EXIST AC PAVEMENT
JH	REMOVE EXIST VAULT
JA	RELOCATE EXIST POWER POLE AND OVERHEAD UTILITIES
JB	RELOCATE EXIST UNDERGROUND UTILITIES
JC	RELOCATE EXIST POWER POLE AND ELECT LINES BY SCE
JD	RELOCATE EXIST FIRE HYDRANT/LATERAL AND VALVE
JE	KEEP IN PLACE

- 39 CONJ 24" RCP
- 40 CONJ 24" CONCRETE FES FOR CALTRANS STD PLAN NO. D94B
- 41 CONJ RSP TYPE AND DIMENSIONS PER PLAN
- 42 CONJ TYPE "A" CB PER COUNTY STD 206, "X" PER PLAN
- 43 CONJ LOCAL DEPRESSION PER COUNTY STD 203B, TYPE PER PLAN
- 44 CONJ 8" STEEL PIPE
- 45 CONJ 8" - 90° ELBOW
- 46 CONJ 8" - 45° ELBOW
- 47 CONJ CLEANOUT PER DETAIL 1 SHOWN ON SHEET D-06
- 48 CONJ TRIANGULAR BISSUAL PER DETAIL 2 SHOWN ON SHEET D-06, DIMENSIONS PER PLAN
- 49 CONJ 8" STEEL PIPE FOR BRIDGE PLAN
- 50 CONJ TYPE "GCP" INLET PER CALTRANS STD PLAN NO. D75A
- 51 CONJ TYPE "HEADMALL" FOR CALTRANS STD PLAN NO. D90
- 52 CONJ 72" RCP
- 53 CONJ MANHOLE PER SPWPC STD PLAN NO. 321-2
- 54 CONJ MANHOLE PER SPWPC STD PLAN NO. 322-2
- 55 CONJ TRANSITION STRUCTURE PER SPWPC STD PLAN NO. 340-2
- 56 CONJ CATCH BASIN PER SPWPC STD PLAN NO. 307-3 (CASE A)
- 57 CONJ 36" RCP

- 3) INSTALL NEW SIGN(S) AS SHOWN ON PLANS (NOTE: MAINTAIN 48" CLEAR SPACE AT SIGN POST OVER ADA REQUIREMENT)
- 4) PAINT TYPE 1V ARROW PER CALTRANS STD PLAN A24A
- 5) PAINT TYPE 125 STRIPING PER CALTRANS STD PLAN A20A
- 6) PAINT TYPE 127 STRIPING PER CALTRANS STD PLAN A20A
- 7) PAINT TYPE 127 STRIPING PER COUNTY STD PLAN 307A
- 8) PAINT TYPE 129 STRIPING PER CALTRANS STD PLAN A20B
- 9) PAINT TYPE 37 STRIPING PER CALTRANS STD PLAN A20C
- 10) PAINT TYPE 38 STRIPING PER CALTRANS STD PLAN A20C
- 11) PAINT 12" SOLID WHITE CROSSWALK LINE OR STOP LINE
- 12) PAINT 12" WHITE DIAGONAL STRIPING 40" ON CENTER
- 13) PAINT 4" SOLID WHITE LINE APPROXIMATELY 100' LONG
- 14) PAINT TYPE 1 TAPER PER CALTRANS STD PLAN A20C
- 15) PAINT MEDIAN FLARE PER SPPWC STD PLAN 141-2
- 16) PAINT PAVEMENT MARKING AS SHOWN ON PLANS
- 17) PAINT TYPE 41 STRIPING PER CALTRANS STD PLAN A20D
- 18) PAINT TYPE 125 WHITE STRIPING PER CALTRANS STD PLAN A20D
- 19) INSTALL STREET NAME MARKER PER COUNTY STD 303 SERIES

SECTION	PROVISIONS	APPROV.	DATE

MARK	REVISIONS	APPR.	DATE

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

SHADOW MOUNTAIN ROAD

CONSTRUCTION NOTES AND ABBREVIATIONS

J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXXX	T-04	4	X

Don't Dig...Until You Call U.S.A. Toll Free
DIAL: 811
for the location
of buried
utility lines.
Don't disrupt
vital services.

NO FLYING DAYS BEFORE YOU DIE

MARK	CHANGES		
	NO CHANGES	RESIDENT ENGINEER	DATE

FIELD CHANGES

FIELD CHANGES

PLANS PREPARED BY:
AECOM
999 W. TOWN AND COUNTRY ROAD
ORANGE, CA 92668-4713
(714) 567-2501

JAMES EARL RAY, B.C.F. 45668 EXPIRES 12-31-12

COUNTY OF SAN BERNARDINO	
DEPARTMENT OF PUBLIC WORKS	
RECOMMENDED / APPROVED BY	
XXXX XXXX P.E. DEPUTY DIRECTOR	DATE
XXXX XXXX P.E. DIRECTOR OF PUBLIC WORKS	DATE

ALL DIMENSIONS ARE IN FEET
UNLESS OTHERWISE SHOWN

SHADOW MOUNTAIN ROAD

CONSTRUCTION NOTES AND ABBREVIATIONS

J.L. REF.	W.O. NO.	DRAWING NO.	SHEET NO.	TOTAL SHEETS
JL XXXX	XX XXXXXXX	T-04	4	X

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6/22/2013

