City of Folsom
Parks and Recreation Department

Project Study Report for:

Highway 50 Class I Trail Undercrossing and Trail Improvements Project

May 2025

City of Folsom
Parks and Recreation Department

Highway 50 Class I Trail Undercrossing and Trail Improvements Project

Project Study Report

This Project Study Report has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.

Prepared By:

Hunter Young, PE
Registered Civil Engineer No. 76228
Exp. 6/30/26

Approved By:

Rebecca Neves, PE, City Engineer
Registered Civil Engineer No. 71920
Exp. 12/31/25

Background

In June 2022, the City of Folsom approved its first Active Transportation Plan (ATP) as a comprehensive guide to implementing alternatives to non-motorized transportation. The City continues to plan and implement projects that improve safety, provide necessary facilities, improve the quality of life for Folsom residents, and maximize funding given fiscal constraints. The Active Transportation Plan lists the Highway 50 Class I Undercrossing and Trail Improvements ("Project") as a "Phase One – High-Priority" project that would complete the critical gap in Folsom's only planned Class I trail connection to the Folsom Plan Area (FPA).

The Highway 50 Class I Undercrossing and Trail Improvements project is located along the Sacramento-Placerville Transportation Corridor Joint Powers Authority (SPTC-JPA) railroad track corridor between Iron Point Road and the south side of the US Highway 50 overcrossing of Old Placerville Road and the SPTC-JPA corridor. The project would complete the critical gap in Folsom's only planned Class I trail connection to the Folsom Plan Area (FPA). The project would connect the existing Class I trail that runs from Iron Point Road to just before Highway 50 undercrossing to the existing trail that parallels Old Placerville Road on the south side of Highway 50. Currently, there is no Class I trail facility under Highway 50.

The Project would also improve the existing trail segment that runs from Iron Point Road to just before Highway 50 undercrossing (parallels the SPTC-JPA railroad tracks) and the trail adjacent to the In-N-Out parking lot. Currently, the existing Class I trail parallel to the tracks begins approximately 175 feet east of the East Bidwell/Iron Point intersection crosswalks requiring bicyclists and pedestrians to use a narrow sidewalk to access the Class I trail. The proposed trail improvements include widening the existing Class I trail (10 feet to 12 feet), adding 2-foot shoulders on each side, and constructing a new Class I trail connection from the existing Class I trail, parallel to the railroad tracks, to the existing trail that runs behind In-N-Out, connecting trail users to the East Bidwell sidewalk approximately 80 feet south of the East Bidwell/Iron Point intersection crosswalks. The staging area for bicyclists and pedestrians adjacent to the East Bidwell/Iron Point intersection crosswalks would be widened to accommodate additional trail users queuing to cross the intersection.

The current Project Study Report (PSR) covers the Highway 50 Class I Trail Undercrossing and Trail Improvements Project and which is located along the SPTC-JPA rail line between Iron Point Road and the south side of Highway 50 overcrossing of Old Placerville Road.

Project Need

With the development of the FPA south of Highway 50 over the past few years and the creation of 30 miles of new Class I multi-use trails, the City desires to connect these new trails to existing 55 miles of Class I trails north of Highway 50. The freeway significantly impacts the opportunities to connect non-motorized infrastructure between the well-established portion of Folsom north of Highway 50 to the growing residential and commercial area south of Highway 50. East Bidwell Street at Highway 50 has significant traffic volumes as one gateway to the City of Folsom. The existing Class 2 bike lanes approaching Highway 50, with conflict points at the

on- and off-ramps, result in a high stress facility that casual bike riders may not feel comfortable using. Furthermore, pedestrians must utilize the existing 5-foot sidewalk on the east side of the Highway 50 bridge overcrossing. The existing curb ramps leading to the bridge overcrossing are not ADA-compliant, creating yet an additional challenge to crossing the freeway for those with disabilities.

In contrast, the proposed Highway 50 Class I Trail Undercrossing and Trail Improvements Project will fill a significant gap in the City of Folsom's bicycle and pedestrian network by creating an ADA-compliant Class I trail along the SPTC-JPA corridor and parallel to Old Placerville Road between Iron Point Road and the south side of Highway 50. The new trail will provide for a better user experience for bicyclists and pedestrians of all ages.

Project Scope

- Retrofit approximately 2,500 linear feet of existing trail with decomposed granite shoulders to meet Class I trail standards.
- Construct approximately 500 linear feet of new Class I trail.
- Widen an existing sidewalk to provide for a larger mixing zone for cyclists and pedestrians at the East Bidwell St / Iron Point Rd intersection signalized crosswalk.
- Install a retaining wall to support the Highway 50 embankment adjacent to the proposed trail.
- Construct storm drain improvements.
- Install precast concrete railroad panels for trail crossings of the tracks.
- Install striping and markings.

Project Status

The project is in the conceptual design phase without any environmental and/or project approval. With sufficient funding to advance the project, the tentative schedule is as follows:

- Environmental Clearance – December 2026
- Final Design/ROW Phase Complete – February 2028
- Construction Contract Award – December 2028

Attachments

- Project Programming Request
- Engineer's Estimate
- Proposed Project Plan

Application Element #2. SACOG Four-County State Funding Program - Project Programming Request (PPR)

Derived from the State of California Department of Transportation PPR

Project Title
Highway 50 Class I Trail Undercrossing and Trail Improvements Project

Location (Project Limits), Description (Scope of Work)
In City of Folsom, parallel to Placerville Road and within the Sacramento Placerville Transportation Corridor Joint Powers Authority (SPTC JPA) corridor, from Iron Point Road south connecting to existing Class I trail on the south side of Highway 50 parallel to Placerville Road, widen and connect existing trails, new Class I Highway 50 undercrossing, and widen intersection queuing area

Lead Project Sponsor	Project Partner (if applicable)	County
City of Folsom		Sacramento

Project Manager Name	Phone	E-mail Address
Brett Bollinger	916-461-6632	bbollinger@folsom.ca.us

Component	Implementing Agency
PA&ED	City of Folsom
PS&E	City of Folsom
Right of Way	City of Folsom
Construction	City of Folsom

Project Milestone		Completed	Planned
Project Study Report Approved			
Begin Environmental (PA&ED) Phase			01/01/26
Circulate Draft Environmental Document	**CEQA/NEPA**		
Draft Project Report			
End Environmental Phase (PA&ED Milestone)			12/31/26
Begin Design (PS&E) Phase			05/01/26
End Design Phase (Ready to List for Advertisement Milestone)			02/01/28
Begin Right of Way Phase			12/01/26
End Right of Way Phase (Right of Way Certification Milestone)			02/01/28
Begin Construction Phase (Contract Award Milestone)			12/01/28
End Construction Phase (Construction Contract Acceptance Milestone)			10/01/29
Begin Closeout Phase			10/15/29
End Closeout Phase (Closeout Report)			12/31/29

SACOG has simplified the state Project Programming Request (PPR) form for the Four County State Funding Program.

SACOG Funding Program - Project Programming Request (PPR)

Derived from the State of California Department of Transportation PPR

Project Title:	Highway 50 Class I Trail Undercrossing and Trail Improvements Project
Location (Project Limits), Description (Scope of Work)	In City of Folsom, parallel to Placerville Road and within the Sacramento Placerville Transportation Corridor Joint Powers Authority (SPTC JPA) corridor, from Iron Point Road south connecting to existing Class I trail on the south side of Highway 50 parallel to Placerville Road, widen and connect existing trails, new Class I Highway 50 undercrossing, and widen intersection queuing area

District	County	Lead Project Sponsor	SACOG ID	Project Partner
03	Sacramento	City of Folsom		

Total Project Cost ($1,000s)

Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)					206			206
PS&E						218		218
R/W SUP (CT)								
CON SUP (CT)								
R/W						31		31
CON							2,045	2,045
TOTAL					206	249	2,045	2,500

Fund No. 1: **2025 STIP Funding Round**

Requested Funding ($1,000s)

Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON							1,274	1,274
TOTAL							1,274	1,274

Fund No. 2: **Local Match**

Other Funding ($1,000s) *Committed*

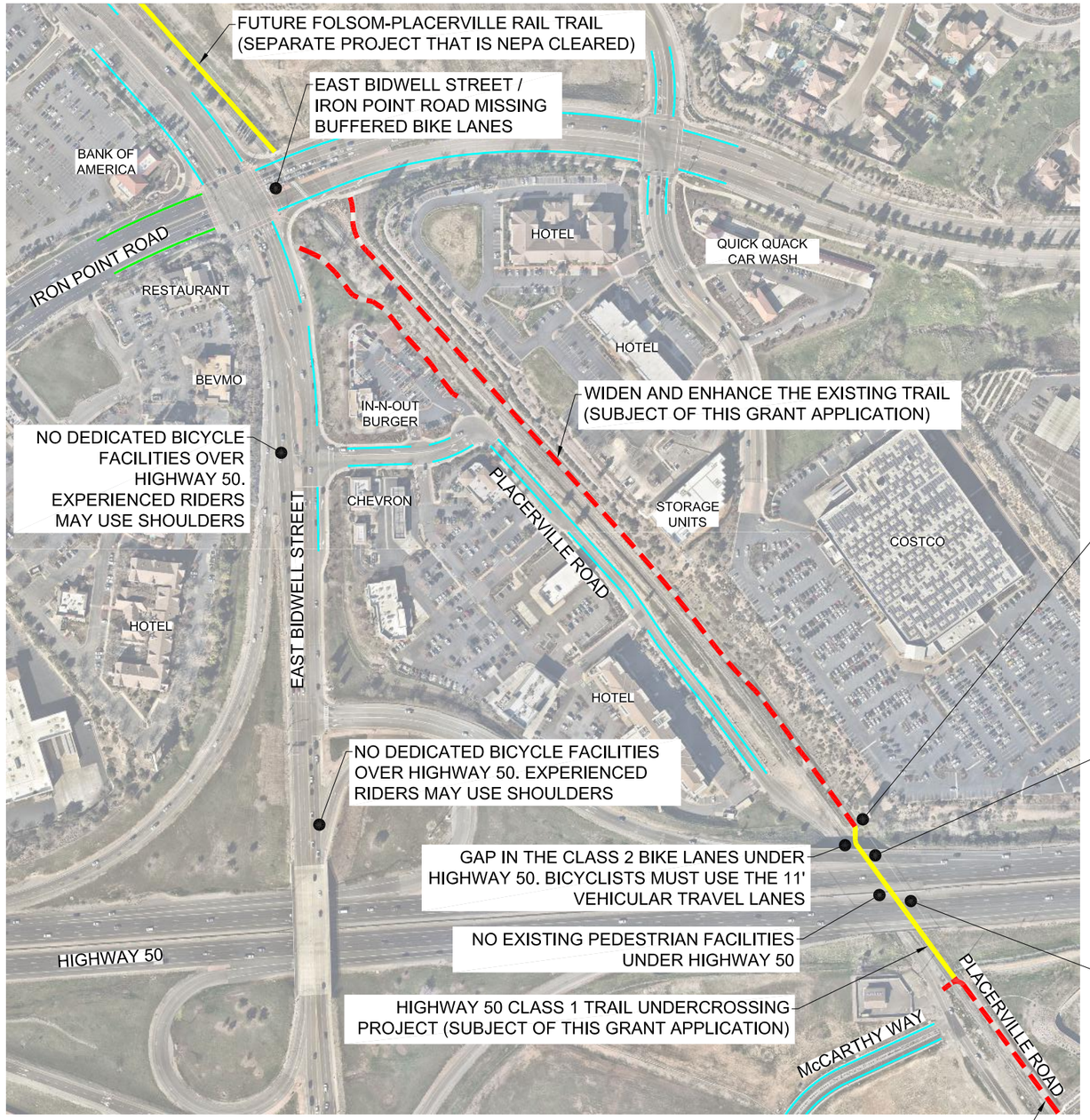
Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)								
PS&E								
R/W SUP (CT)								
CON SUP (CT)								
R/W								
CON							147	147
TOTAL							147	147

Fund No. 3: **Local Funding - Various Sources**

Other Funding ($1,000s) *note funding status here*

Component	Prior	22-23	23-24	24-25	25-26	26-27	27-28+	Total
E&P (PA&ED)					206			206
PS&E						218		218
R/W SUP (CT)								
CON SUP (CT)								
R/W						31		31
CON							624	624
TOTAL					206	249	624	1,079

SACOG Four-County State Funding Program - Engineer's Estimate (application element #3)							Fill out cells in blue
PROJECT NAME: Highway 50 Class I Trail Undercrossing & Trail Improvements							
SPONSOR: City of Folsom							
Item No.	Item Description	Unit	Qty	Unit price	Amount ($)	Participating costs	Non-part. costs
1	MOBILIZATION (5%)	LS	1	$70,300.00	$70,300	$70,300	$0
2	TRAFFIC CONTROL (5%)	LS	1	$70,300.00	$70,300	$70,300	$0
3	WATER POLLUTION CONTROL PLAN AND IMPLEMENTATION	LS	1	$40,000.00	$40,000	$40,000	$0
4	CONSTRUCTION STAKING	LS	1	$40,000.00	$40,000	$40,000	$0
5	MITIGATION MONITORING / CEQA COMPLIANCE ALLOWANCE	LS	1	$50,000.00	$50,000	$50,000	$0
6	POTHOLING	LS	1	$40,000.00	$40,000	$40,000	$0
7	REMOVE SIDEWALK / CURB RAMP	SF	1,150	$15.00	$17,250	$17,250	$0
8	MISCELLANEOUS REMOVALS	LS	1	$24,000.00	$24,000	$24,000	$0
9	REMOVE STORM DRAIN HEADWALL AND SD PIPE (NORTH OF HWY 50)	LS	1	$20,000.00	$20,000	$20,000	$0
10	REMOVE STORM DRAIN INLET (SOUTH OF HWY 50)	LS	1	$7,000.00	$7,000	$7,000	$0
11	EXCAVATION	CY	890	$120.00	$106,800	$106,800	$0
12	CLEARING AND GRUBBING	LS	1	$75,000.00	$75,000	$75,000	$0
13	SIDEWALK / CURB RAMP (6" PCC)	SF	2,200	$30.00	$66,000	$66,000	$0
14	AGGREGATE BASE (CLASS II)	CY	450	$175.00	$78,750	$78,750	$0
15	RESTORE LANDSCAPING / IRRIGATION	LS	1	$50,000.00	$50,000	$50,000	$0
16	DECOMPOSED GRANITE	SF	10,300	$12.00	$123,600	$123,600	$0
17	HOT MIX ASPHALT (TRAIL WIDENING BY HAND)	TON	130	$500.00	$65,000	$65,000	$0
18	HOT MIX ASPHALT (TRAIL PAVED BY PAVING MACHINE)	TON	150	$250.00	$37,500	$37,500	$0
19	STORM DRAIN HEADWALL AND SD PIPE	LS	1	$40,000.00	$40,000	$40,000	$0
20	STORM DRAIN MANHOLE	EA	1	$15,000.00	$15,000	$15,000	$0
21	STORM DRAIN DRAINAGE INLET AND SD PIPE EXTENSION	LS	1	$15,000.00	$15,000	$15,000	$0
22	RETAINING WALL	SF	750	$225.00	$168,750	$168,750	$0
23	FALL PROTECTION FENCING	SF	100	$150.00	$15,000	$15,000	$0
23	RETAINING CURB (2' HIGH)	LF	265	$150.00	$39,750	$39,750	$0
24	SIGNING AND STRIPING	LS	1	$30,000.00	$30,000	$30,000	$0
25	SAFETY LIGHTING (WALL PACK FIXTURES MOUNTED TO HWY 50 BRIDGE)	LS	1	$83,000.00	$83,000	$83,000	$0
26	PRECAST CONCRETE RAILROAD CROSSING PANELS	EA	2	$70,000.00	$140,000	$140,000	$0
27	COLLAPSABLE BOLLARD	EA	2	$4,000.00	$8,000	$8,000	$0
28	UTILITY IRON / BOX ADJUSTMENTS	LS	1	$10,000.00	$10,000	$0	$10,000
					$0	$0	$0
					$0	$0	$0
					$0	$0	$0
					$0	$0	$0
	SUBTOTAL				**$1,546,000**	**$1,536,000**	**$10,000**
					Total	*Participating*	*Non-part*
	Construction Contingency			15%	$231,900	$230,400	$1,500
	Construction Engineering				$18,000	$17,884	$116
	Construction Management/Contract Administration				$249,000	$247,389	$1,611
	Total construction costs				***$2,044,900***	***$2,031,673***	***$13,227***
	Please indicate current status of project:	PSR					
	(e.g., Feasibility Study, PSR, Environmental, 30% Design, 60% Design, 90% Design, 100% Design)						
	Design, Environmental Clerance, and Permitting				455,000		
	Total Participating Cost (Design and Construction)				**2,499,900**		



EXISTING AND FUTURE BICYCLE AND PEDESTRIAN NETWORK

1"=150'

LEGEND

- EXISTING CLASS 2 BIKE LANES
- EXISTING CLASS 2 BUFFERED BIKE LANES
- EXISTING TRAIL
- PROPOSED TRAIL

ENVIRONMENTALLY SENSITIVE AREA; RELOCATE STORM DRAIN PIPE AND HEADWALL

INSTALL 10' WIDE TRAIL UNDER HIGHWAY 50

PLACERVILLE ROAD
EXISTING TRAIL TERMINATION AT HIGHWAY 50

NARROW TRAVEL LANES AND NO DEDICATED BICYCLE FACILITIES UNDERNEATH HIGHWAY 50

PLACERVILLE ROAD
ROADWAY SECTION LOOKING SOUTH

INSTALL 10' WIDE TRAIL UNDER HIGHWAY 50

PLACERVILLE ROAD
PROPOSED TRAIL SECTION LOOKING SOUTH

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

PRELIMINARY
FOR REVIEW ONLY
APRIL 2025

REVISIONS NO.	DESCRIPTION	DATE	BY

FIELD BOOK

SCALE
HORIZ. ____
VERT. ____

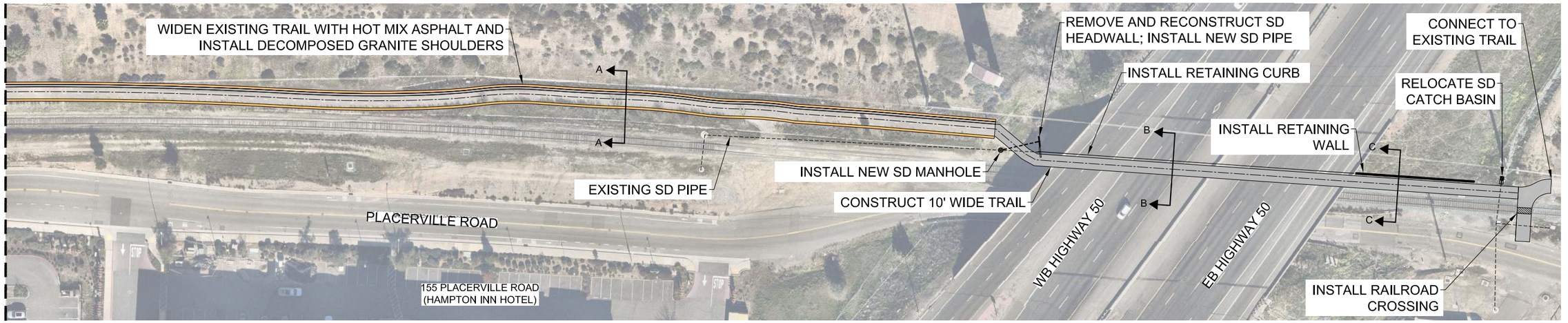
CITY OF FOLSOM

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
555 CAPITOL MALL, SUITE 300, SACRAMENTO, CA 95814
PHONE: 916-858-5800 FAX: 916-608-0885
WWW.KIMLEY-HORN.COM

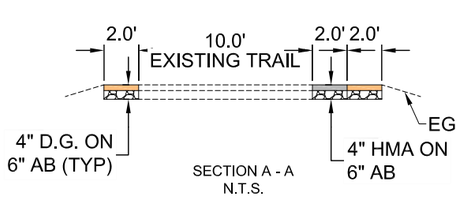
HIGHWAY 50 CLASS I TRAIL UNDERCROSSING AND TRAIL IMPROVEMENTS PROJECT

SHEET

PLAN
1"=40'



PLAN
1"=40'



SECTION A - A
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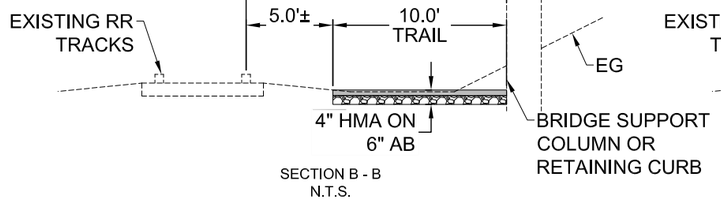

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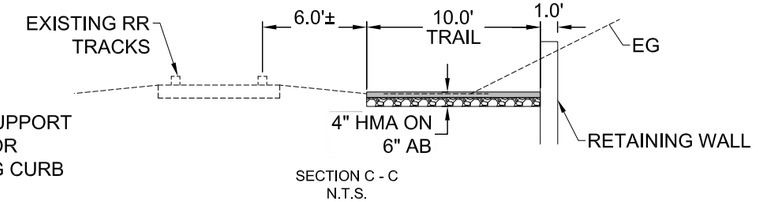

SECTION C - C
N.T.S.

GRAPHIC SCALE IN FEET
0 20 40 80

PRELIMINARY FOR REVIEW ONLY
APRIL 2025

REVISIONS NO.	DESCRIPTION	DATE	BY

FIELD BOOK

SCALE
HORIZ. ____
VERT. ____

CITY OF FOLSOM

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HIGHWAY 50 CLASS I TRAIL UNDERCROSSING AND TRAIL IMPROVEMENTS PROJECT

SHEET

K:\SAC_RDWY\097187052 – Mangini Ranch Trails_Old Placerville Connection\06 Reports and Documents\1 – PSR Equivalent\CADD\xAE.dwg May 01, 2025 Hunter.Young