

a fresh take.

RANCHO CORDOVA
CALIFORNIA

Request for

Senate Bill 1 Local Partnership Program Funding Allocation

November 28, 2017

Sacramento Transportation Authority
Norman Hom
801 12th Street, 5th Floor
Sacramento, CA 95814

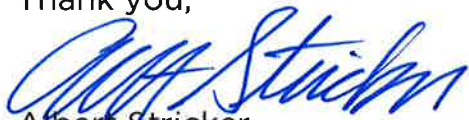
RE: SB1 Local Partnership Program

Dear Mr. Hom:

For the SB1 Local Partnership Program, the City of Rancho Cordova will be the implementing agency and we assume all responsibility and accountability for the use and expenditure of program funds.

If you have any questions please contact the undersigned at astricker@cityofranhocordova.org or 916-851-8713.

Thank you,



Albert Stricker
Director of Public Works



Project Title

SUNRISE BOULEVARD STREET REHABILITATION PROJECT

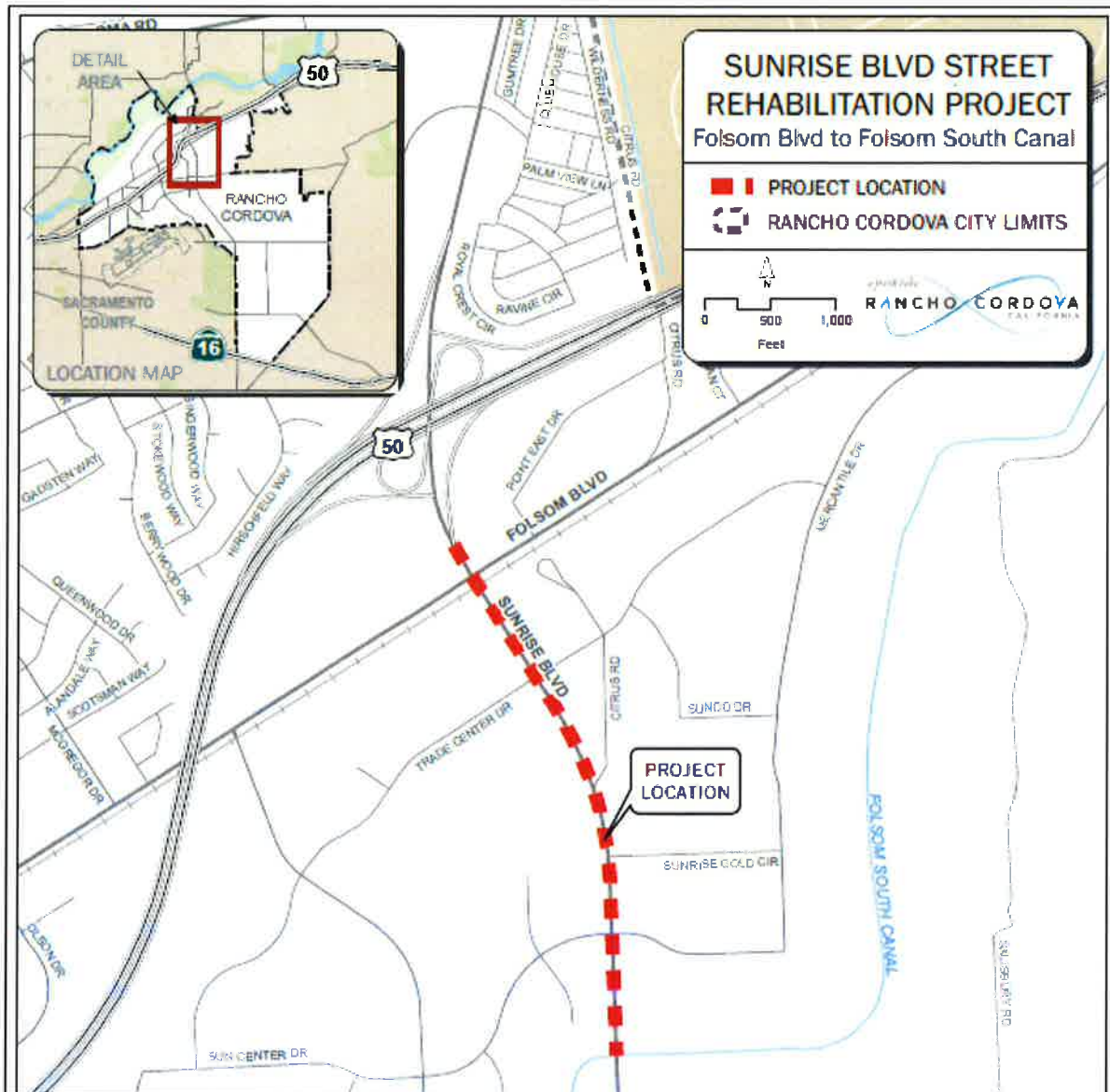
Project Summary

Sunrise Boulevard is a critical link in the regional transportation network therefore it is essential that the roadway stay in a state of good repair. The City has determined that the most cost effective treatment for this section is a two inch rubberized asphalt overlay. In addition to rehabilitating the asphalt paving the City is seeking opportunities to enhance existing major facilities, upgrade ADA curb ramps and beautify the region.

Location:

Rancho Cordova, California

Sacramento County



Local Partnership Program Fund Request:

- \$292,000

Funding Sources and Amounts:

- \$500,000 – Community Enhancement Funds – Local Funds
- \$2,391,680 – Gas Tax – Local Funds
- \$1,066,320 – Supplemental Transportation Fee – Local Funds

Project Total Cost: \$4,250,000

Project Background/Purpose/Need:

Many streets within the City of Rancho Cordova are in need of rehabilitation to enhance the pavement and increase driving comfort and safety. Roadways are being evaluated on an ongoing basis. The Sunrise Rehabilitation project will rehabilitate Sunrise Boulevard from Folsom Boulevard to the Folsom South Canal. The Sunrise Rehabilitation project includes a 2-inch overlay, sidewalk upgrades and storm drain upgrades as necessary. Given the regional significance of Sunrise Boulevard and the low pavement index, this section of Sunrise is Rancho Cordova's highest priority.

Project Scope and Anticipated Benefits:

- Scope:
Provide a two inch rubberized asphalt overlay on Sunrise Boulevard from Folsom Boulevard to Folsom South Canal. Pedestrian improvements include countdown heads, crosswalks and ADA ramps as needed. Bike Improvements include bike lane striping and bike detection at signals where applicable.
- Anticipated Benefits:
Increasing the pavement index will reduce the long term maintenance cost, increase safety, and better facilitate the movement of goods through the area. Pedestrian and signal improvements will benefit all modes of travel.

Projects Current Status:

The City of Rancho Cordova has completed 30% plans. Final design is underway, with the project schedule completion dates as follows, pending funding:

- Final Design – Summer 2018
- CEQA Approval – Summer 2018
- Bid Advertisement – January 2019
- Bid Award – February 2019
- Construction to begin - Spring 2019
- Construction completion - Fall 2019

Sustainable Communities Strategy Consistency:

Relieving congestion on US 50 is an important strategy for SACOG's Metropolitan Transportation Plan/Sustainable Community Strategy. The Sunrise Blvd Street Rehabilitation Project will allow better vehicle flow through the region and allow vehicles to get off/on US 50 more efficiently thus reducing the congestion.

Greenhouse Gas Impacts:

The Sunrise Blvd Street Rehabilitation Project shows reductions in emissions for vehicles and trucks (see attached results). The reduction is due to smoother roads that improve fuel efficiency for all vehicles. Improved fuel efficiency reduces greenhouse gas emissions.

Amendment (Existing Project) No		Date: 11/28/17			
District	EA	Project ID	PPNO	MPO ID	Alt Proj. ID
03					
County	Route/Corridor	PM Bk	PM Ahd	Project Sponsor/Lead Agency	
SAC				City of Rancho Cordova	
				MPO	Element
				SACOG	Local Assistance
Project Manager/Contact		Phone		E-mail Address	
Chris Boyer		916-851-8907		cboyer@cityofranhocordova.org	
Project Title					
Sunrise Boulevard Street Rehabilitation Project					
Location (Project Limits), Description (Scope of Work)					
Provide a two inch rubberized asphalt overlay on Sunrise Boulevard from Folsom Boulevard to Folsom South Canal. Pedestrian improvements include countdown heads, crosswalks and ADA ramps as needed. Bike Improvements include bike lane striping and bike detection at signals where applicable.					
Component					
		Implementing Agency			
PA&ED	City of Rancho Cordova				
PS&E	City of Rancho Cordova				
Right of Way	City of Rancho Cordova				
Construction	City of Rancho Cordova				
Legislative Districts					
Assembly:	8th	Senate:	4th	Congressional:	7th
Project Benefits					
Increasing the pavement index will reduce the long term maintenance cost, increase safety, and better facilitate the movement of goods through the area. Pedestrian and signal improvements will benefit all modes of travel.					
Purpose and Need					
Many streets within the City of Rancho Cordova are in need of rehabilitation to enhance the pavement and increase driving comfort and safety. Roadways are being evaluated on an ongoing basis. The Sunrise Rehabilitation project will rehabilitate Sunrise Boulevard from Folsom Boulevard to the Folsom South Canal. The Sunrise Rehabilitation project includes a 2-inch overlay, sidewalk upgrades and storm drain upgrades as necessary. Continued on Page 2.					
Category		Outputs/Outcomes		Unit	Total
Local streets and roads		Miles of rehabilitated track		Miles	4.3
ADA Improvements	Yes	Bike/Ped Improvements	Yes	Reversible Lane analysis	No
Includes Sustainable Communities Strategy Goals		Yes	Reduces Greenhouse Gas Emissions Yes		
Project Milestone				Existing	Proposed
Project Study Report Approved				11/28/17	
Begin Environmental (PA&ED) Phase					01/08/18
Circulate Draft Environmental Document		Document Type	CE		02/01/18
Draft Project Report					n/a
End Environmental Phase (PA&ED Milestone)					02/15/18
Begin Design (PS&E) Phase					02/15/18
End Design Phase (Ready to List for Advertisement Milestone)					08/01/18
Begin Right of Way Phase					06/01/18
End Right of Way Phase (Right of Way Certification Milestone)					08/01/18
Begin Construction Phase (Contract Award Milestone)					02/01/19
End Construction Phase (Construction Contract Acceptance Milestone)					09/01/19
Begin Closeout Phase					09/15/19
End Closeout Phase (Closeout Report)					10/15/19

ADA Notice

For individuals with sensory disabilities, this document is available in alternate formats. For information call (916) 654-6410 or TDD (916) 654-3880 or write Records and Forms Management, 1120 N Street, MS-89, Sacramento,

PROJECT PROGRAMMING REQUEST

DTP-0001 (Revised July 2017)

Date: 11/28/17

Additional Information

Given the regional significance of Sunrise Boulevard and the low pavement index, this section of Sunrise is Rancho Cordova's highest priority.

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PROJECT PROGRAMMING REQUEST

DTP-0001 (Revised July 2017)

Date: 11/27/17

District	County	Route	EA	Project ID	PPNO	Alt Proj. ID
03	SAC					
Project Title: Sunrise Boulevard Street Rehabilitation Project						

Existing Total Project Cost (\$1,000s)									Implementing Agency
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	
E&P (PA&ED)									City of Rancho Cordova
PS&E									City of Rancho Cordova
R/W SUP (CT)									City of Rancho Cordova
CON SUP (CT)									City of Rancho Cordova
R/W									City of Rancho Cordova
CON									City of Rancho Cordova
TOTAL									
Proposed Total Project Cost (\$1,000s)									Notes
E&P (PA&ED)		50						50	
PS&E		415						415	
R/W SUP (CT)									
CON SUP (CT)									
R/W		15						15	
CON		292	3,478					3,770	
TOTAL		772	3,478					4,250	

Fund No. 1:	City Local Funds								Program Code
Existing Funding (\$1,000s)									Funding Agency
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)		50						50	
PS&E		415						415	
R/W SUP (CT)									
CON SUP (CT)									
R/W		15						15	
CON			3,478					3,478	
TOTAL		480	3,478					3,958	

Fund No. 2:	Local Partnership Program Funds								Program Code
Existing Funding (\$1,000s)									Funding Agency
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
Proposed Funding (\$1,000s)									Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON		292						292	
TOTAL		292						292	

**City of Rancho Cordova
Sunrise Blvd Pavement Rehabilitation Project
Folsom Blvd to White Rock Road**

By CRB 11/21/2017
Checked by _____

BASE BID

Item #	Description	UNIT	ESTIMATED QUANTITY	ITEM PRICE		SUBTOTAL
1	TRAFFIC CONTROL	LS	1	\$100,000.00		\$100,000.00
2	MOBILIZATION	LS	1	\$150,000.00		\$150,000.00
3	UNSUITABLE MATERIAL EXCAVATION (contingency)	CY	200	\$100.00		\$20,000.00
4	CLASS 2 AGGREGATE BASE	TON	2,370	\$70.00		\$166,000.00
5	PLACE 2" ASPHALT RUBBER HOT MIX (ARHM)	TON	5,496	\$140.00		\$770,000.00
6	TYPE "A" ASPHALT CONCRETE (BASE REPAIR, CURB & GUTTER)	TON	2,256	\$110.00		\$249,000.00
7	COLD PLANE ASPHALT CONCRETE PAVEMENT	SF	60,000	\$1.50		\$90,000.00
8	6" DEEP BASE REPAIR GRIND	SF	6,060	\$2.00		\$13,000.00
9	8" DEEP BASE REPAIR GRIND	SF	39,227	\$3.00		\$118,000.00
10	PAVEMENT REINFORCING FABRIC (NONWOVEN)	SY	45,609	\$3.00		\$137,000.00
11	REMOVE AND REPLACE PCC CURB AND GUTTER	LF	765	\$70.00		\$54,000.00
12	REMOVE AND REPLACE PCC SIDEWALK	SF	4,590	\$25.00		\$115,000.00
13	ADJUST STORM DRAIN MANHOLE FRAME AND COVER TO GRADE	EA	15	\$1,200.00		\$18,000.00
14	ADJUST SANITARY SEWER MANHOLE FRAME AND COVER TO GRADE	EA	15	\$1,200.00		\$18,000.00
15	ADJUST SMUD MANHOLE FRAME AND COVER TO GRADE	EA	1	\$1,200.00		\$1,200.00
16	ADJUST WATER VALVES TO GRADE	EA	10	\$1,000.00		\$10,000.00
17	THERMOPLASTIC TRAFFIC STRIPE (4")	LF	16,637	\$0.75		\$12,000.00
18	THERMOPLASTIC TRAFFIC STRIPE (6")	LF	100	\$1.50		\$0.00
19	THERMOPLASTIC TRAFFIC STRIPE (8")	LF	3,000	\$1.00		\$3,000.00
20	THERMOPLASTIC TRAFFIC STRIPE (12")	LF	2,159	\$4.50		\$10,000.00
21	THERMOPLASTIC PAVEMENT MARKINGS	SF	750	\$6.00		\$5,000.00
22	INSTALL PAVEMENT MARKERS	EA	915	\$3.00		\$3,000.00
23	INSTALL VIDEO DETECTION UNIT	EA	4	\$10,000.00		\$40,000.00
24	INSTALL RADAR/VIDEO HYBRID	EA	6	\$15,000.00		\$90,000.00
25	ADA RAMP	EA	12	\$8,000.00		\$96,000.00
26	SIGNAL IMPROVEMENTS	EA	2	\$50,000.00		\$100,000.00
27	LANDSCAPING IMPROVEMENTS	LS	1	\$668,208.00		\$668,000.00
28	CMS BOARD	EA	1	\$7,500.00		\$8,000.00

BASE BID ITEMS 1-23 \$3,064,000.00

CONTINGENCY **10%** \$306,400.00

Project Total	\$3,370,000.00
Design	\$450,000.00
Environmental	\$15,000.00
Right of Way	\$15,000.00
Construction Management	\$400,000.00
Total Project	\$4,250,000.00

Approved Funding	Gas Tax \$	2,391,680.00
	Supplemental Transportation Fees \$	1,066,320.00
	Community Enhancement Funds \$	500,000.00
	Total Funds \$	3,958,000.00
	Funds Needed	\$292,000.00

Enter all project costs (in today's dollars) in columns 1 to 7. Costs during construction should be entered in the first eight rows. Project costs (including maintenance and operating costs) should be net of costs without project.

PROJECT COSTS (enter costs in thousands of dollars)

Year	(1)		(2)			(3)		(4)		(5)		(6)		(7)	
	Project Support	Support	INITIAL COSTS	R / W	Construction	Maint./ Op.	Rehab.	Mitigation	Transit Agency Cost Savings	TOTAL COSTS (in dollars) Constant Dollars	TOTAL COSTS (in dollars) Present Value				
Construction Period															
1	\$465,000			\$15,000	\$3,771,500					\$4,251,500,000	\$4,251,500,000				
2										0	0				
3										0	0				
4										0	0				
5										0	0				
6										0	0				
7										0	0				
8										0	0				
Project Open															
1										\$0	\$0				
2										0	0				
3										0	0				
4										0	0				
5										0	0				
6										0	0				
7										0	0				
8										0	0				
9										0	0				
10										0	0				
11										0	0				
12										0	0				
13										0	0				
14										0	0				
15										0	0				
16										0	0				
17										0	0				
18										0	0				
19										0	0				
20										0	0				
Total	\$465,000			\$15,000	\$3,771,500			\$0	\$0	\$4,251,500,000	\$4,251,500,000				

$$\text{Present Value} = \frac{\text{Future Value (in Constant Dollars)}}{(1 + \text{Real Discount Rate})^{\text{Year}}}$$

INVESTMENT ANALYSIS SUMMARY RESULTS

Life-Cycle Costs (mil. \$)	\$4,251.5
Life-Cycle Benefits (mil. \$)	\$58.6
Net Present Value (mil. \$)	-\$4,192.9
Benefit / Cost Ratio:	0.0
Rate of Return on Investment:	#NUM!
Payback Period:	20+ years

ITEMIZED BENEFITS (mil. \$)	Passenger Benefits	Freight Benefits	Total Over 20 Years	Average Annual
Travel Time Savings	\$0.0	\$0.0	\$0.0	\$0.0
Veh. Op. Cost Savings	\$37.3	\$6.0	\$43.2	\$2.2
Accident Cost Savings	\$12.1	\$1.2	\$13.2	\$0.7
Emission Cost Savings	\$1.5	\$0.7	\$2.2	\$0.1
TOTAL BENEFITS	\$50.8	\$7.9	\$58.6	\$2.9
Person-Hours of Time Saved			0	0
CO ₂ Emissions Saved (tons)			43,678	2,184
CO ₂ Emissions Saved (mil. \$)			\$1.5	\$0.1

Should benefit-cost results include:

- 1) Induced Travel? (y/n) Default = Y
- 2) Vehicle Operating Costs? (y/n) Default = Y
- 3) Accident Costs? (y/n) Default = Y
- 4) Vehicle Emissions? (y/n) Default = Y
includes value for CO₂e

District:

HQ

EA
PPNO

PROJECT: Sunrise Boulevard Street Rehabilitation Project

PROJECT DESCRIPTION: Overlay Sunrise Blvd from Folsom Blvd to White Rock Rd.

1A

PROJECT DATA

Project Location (enter 1 for So. Cal., 2 for No. Cal., or 3 for rural)

Length of Construction Period (years)

1B

HIGHWAY DATA

Average Daily Vehicle-Miles Traveled (VMT)

Base (Year 1)	No Build	Build
Forecast (Year 20)	52,929	

Percent of VMT

Percent Truck	No Build	Build
Percent Bus	Default: 5%	User Override: 9%
	Default: 0%	User Override: 0%

Trip or Route Length (miles)

Average Trip Length for Passenger Vehicles	No Build	Build
Average Trip Length for Trucks	1	1
Average Route Length for Buses	1	1

1C

SYSTEM USAGE BY MODE

Vehicle-Miles Traveled (Passenger Vehicles)

Base (Year 1)	No Build	Build
Forecast (Year 20)	48,155	0

Vehicle-Miles Traveled (Trucks)

Base (Year 1)	No Build	Build
Forecast (Year 20)	4,764	0

Service-Miles (Buses)

Base (Year 1)	No Build	Build
Forecast (Year 20)	0	0

Ton-Miles (Freight Locomotives)

Base (Year 1)	No Build	Build
Forecast (Year 20)	0	0

ID

AVERAGE SPEED

Average Speed (Passenger Vehicles)

Base (Year 1)	No Build	Build
Forecast (Year 20)	45	45

Average Speed (Trucks)

Base (Year 1)	No Build	Build
Forecast (Year 20)	35	35

Average Speed (Buses)

Base (Year 1)	No Build	Build
Forecast (Year 20)	40	40

District: HQ

PROJECT:

Sunrise Boulevard Street Rehabilitation Project

EA:
PPNO:

DRAFT

2

INVESTMENT ANALYSIS SUMMARY RESULTS

	Short-Tons		Value (mil. \$)	
	Total Over 20 Years	Average Annual	Total Over 20 Years	Average Annual
EMISSIONS REDUCTION	592	30	\$ 0.0	\$ 0.0
CO Emissions Saved	86,450	4,322	\$ 2.9	\$ 0.1
CO ₂ Emissions Saved	140	7	\$ 2.1	\$ 0.1
NO _x Emissions Saved	1	0	\$ 0.2	\$ 0.0
PM ₁₀ Emissions Saved	1	0		
PM _{2.5} Emissions Saved	3	0	\$ 0.2	\$ 0.0
SO _x Emissions Saved	39	2	\$ 0.0	\$ 0.0
VOC Emissions Saved				

District:

3

PROJECT:

Sunrise Boulevard Street Rehabilitation Project

EA:

PPNO:

1A

PROJECT DATA

Type of Project
Select project type from list
Pavement

Project Location (enter 1 for So. Cal., 2 for No. Cal., or 3 for rural)
2

Length of Construction Period
One- or Two-Way Data
1 years enter 1 or 2
Current 5 hours

Length of Peak Period(s) (up to 24 hrs)

1B

HIGHWAY DESIGN AND TRAFFIC DATA

Highway Design

Roadway Type (Fwy, Exp, Conv Hwy)	No Build	Build
Number of General Traffic Lanes	F 6	F
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	0
Exclusive ROW for Buses (y/n)	N	N
Highway Free-Flow Speed	45	45
Ramp Design Speed (if aux. lane/off-ramp proj.)	35	35
Length (in miles)	0.7	0.7
Highway Segment Impacted Length	0.7	0.7

Average Daily Traffic

Current	52,929
Base (Year 1)	No Build 0
Forecast (Year 20)	Build 50,283

Average Hourly HOV/HOT Lane Traffic

Forecast (Year 20)	0
Percent of Induced Trips in HOV (if HOT or 2-to-3 conv.)	100%

Percent Traffic in Weave

Percent of Induced Trips in HOV (if HOT or 2-to-3 conv.)	0.0%
--	------

Truck Speed

Percent Trucks (include RVs, if applicable)	9%
Truck Speed	9%

On-Ramp Volume

Hourly Ramp Volume (if aux. lane/on-ramp proj.)	Peak	Non-Peak
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	0	0

Queue Formation (if queuing or grade crossing project)

Arrival Rate (in vehicles per hour)	Year 1	Year 20
Departure Rate (in vehicles per hour)	0	0

Pavement Condition (if pavement project)

IRI (inches/mile)	No Build	Build
Base (Year 1)	200	0
Forecast (Year 20)	750	0

Average Vehicle Occupancy (AVO)

General Traffic	No Build	Build
Non-Peak	1.30	1.30
Peak	1.15	1.15
High Occupancy Vehicle (if HOV/HOT lanes)	2.15	2.15

1C

HIGHWAY ACCIDENT DATA

Actual 3-Year Accident Data (from Table B)

Total Accidents (Tot)	Count (No.)	Rate
Fatal Accidents (Fat)	86	2.06
Injury Accidents (Inj)	0	0.000
Property Damage Only (PDO) Accidents	33	0.79
	53	1.27

Statewide Basic Average Accident Rate

Rate Group	No Build	Build
Arterial	1.59	
Accident Rate (per million vehicle-miles)	1.8%	
Percent Fatal Accidents (Pct Fat)	98.2%	

1D

RAIL AND TRANSIT DATA

Annual Person-Trips

Base (Year 1)	No Build	Build
Forecast (Year 20)		

Percent Trips during Peak Period

Forecast (Year 20)	-40%
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Percent New Trips from Parallel Highway

Forecast (Year 20)	100%
--------------------	------

Annual Vehicle-Miles

Base (Year 1)	No Build	Build
Forecast (Year 20)		

Average Vehicles/Train (if rail project)

Base (Year 1)	No Build	Build
Forecast (Year 20)		

Reduction in Transit Accidents

Percent Reduction (if safety project)	
---------------------------------------	--

Average Transit Travel Time

In-Vehicle	No Build	Build
Non-Peak (in minutes)	0.0	0.0
Peak (in minutes)	0.0	0.0
Out-of-Vehicle	0.0	0.0
Non-Peak (in minutes)	0.0	0.0
Peak (in minutes)	0.0	0.0

Highway Grade Crossing

Annual Number of Trains	Current	Year 1	Year 20
Avg. Gate Down Time (in min.)	0	0.0	

Transit Agency Costs (if TMS project)

Annual Capital Expenditure	No Build	Build
Annual Ops. and Maintenance Expenditure	\$0	\$0

Model should be run for both roads for intersection or bypass highway projects, and may be run twice for connectors. Press button below to prepare model to enter data for second road. After data are entered, results reflect total project benefits.

Prepare Model for Second Road