Traffic Light Synchronization Program
Programming Request Form

Date:
7/22/2008

Caltrans District	County	City	MPO/RTPA	Project Sponsor/Lead Agency
4	Santa Clara	San José	MTC	City of San José

Project Title/Corridor Name	ZIP Code(s)
San José Citywide Traffic Signal Communications and Synchronization Project	Citywide

Corridor Limits		Project Manager/Contact	Phone	E-mail Address
Begin	End			
		Lily Lim-Tsao	408-975-3269	lily.lim-tsao@sanjoseca.gov

Location, Project Limits, Description, Scope of Work, Legislative Description

City of San José: City-wide project to upgrade San Jose's traffic signal system. Elements include:
- Installation of 36 miles of fiber-optic signal communications
- Upgrade 785 traffic signals with new controllers
- Update synchronization of and/or timing plans for all City signals
- Add 141 traffic surveillance cameras
- Expand advanced traffic management systems to key commuter hot spots

Component	Implementing Agency
PA&ED	City of San José
PS&E	City of San José
Right of Way	
Construction	City of San José
Legislative Districts	
Assembly:	22, 23, 24
Congressional:	11, 15, 16 **Senate:** 10, 13, 15

Purpose and Need

San Jose's traffic signal control system is near twenty-years old. A new federal standard advanced traffic controller and an a fiber optic communication infrastructure will allow advanced traffic control strategies, realtime traffic management capability, and fully operationalize its Transportation Incident Management Center that is currently under development.

Project Benefits

City of San José: City-wide project to upgrade San Jose's traffic signal system. Elements include:
- Reduce harmful vehicle emissions be 36 tons annually of ROG, NOx and PM;
- Reduce green house gas emissions of CO2 by 21 tons annually
- Reduce fuel consumption by 625,000 gallons annually, providing travelers a savings of $1.6M in fuel cost;
- Reduce vehicle travel times by 15% and vehicle stops by 25%;
- Reduce 840,000 hours of vehicle delay, providing an annual delay savings of nearly $50M to the traveling public.

Project Milestone	Document Type	Date
Project Study Report Approved		
Begin Environmental (PA&ED) Phase		
Circulate Draft Environmental Document		
Draft Project Report		
End Environmental Phase (PA&ED Milestone)		
Begin Final Design (PS&E) Phase		9/1/2008
End Design Phase (Ready to List for Advertisement Milestone)		2/1/2010
Begin Right of Way Phase		
End Right of Way Phase (Right of Way Certification Milestone)		
Begin Construction Phase (Contract Award Milestone)		1/1/2009
End Construction Phase (Construction Contract Acceptance Milestone)		6/30/2011
Begin Closeout Phase		7/15/2011
End Closeout Phase (Closeout Report)		12/15/2011

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(Funding Information)

(dollars in thousands and escalated to the programmed year) **Date:** 7/22/2008

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Existing Total Project Cost

Component	Prior	08/09	09/10	10/11	11/12	12/13	13/14+	Total	Implementing Agency
E&P (PA&ED)	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	0	0	0	
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	

Proposed Total Project Cost

E&P (PA&ED)	0	0	0	0	0	0	0	0	City of San José
PS&E	0	0	0	0	0	0	0	0	City of San José
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	2,735,000	0	0	0	0	0	2,735,000	City of San José
R/W	0	0	0	0	0	0	0	0	
CON	0	17,265,000	0	0	0			17,265,000	City of San José
TOTAL	0	20,000,000	0	0	0	0	0	20,000,000	

TLSP Bond Funding — **Program Code**

Existing Funding

Component	Prior	08/09	09/10	10/11	11/12	12/13	13/14+	Total	Funding Agency
E&P (PA&ED)	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	0	0	0	
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	

Proposed Funding

									Notes
E&P (PA&ED)								0	$15M in TLSP funds requested for allocation in FY08/09.
PS&E								0	
R/W SUP (Sponsor)								0	
CON SUP (Sponsor)		2,051,250						2,051,250	
R/W								0	
CON		12,948,750						12,948,750	
TOTAL	0	15,000,000	0	0	0	0	0	15,000,000	

Other State Funding — **Program Code**

Existing Funding

Component	Prior	08/09	09/10	10/11	11/12	12/13	13/14+	Total	Funding Agency
E&P (PA&ED)	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	0	0	0	
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	

Proposed Funding

									Notes
E&P (PA&ED)								0	
PS&E								0	
R/W SUP (Sponsor)								0	
CON SUP (Sponsor)								0	
R/W								0	
CON								0	
TOTAL	0	0	0	0	0	0	0	0	

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Federal Funds									**Program Code**
Existing Funding									
Component	Prior	08/09	09/10	10/11	11/12	12/13	13/14+	Total	**Funding Agency**
E&P (PA&ED)	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	0	0	0	
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	
Proposed Funding									**Notes**
E&P (PA&ED)								0	
PS&E								0	
R/W SUP (Sponsor)								0	
CON SUP (Sponsor)								0	
R/W								0	
CON								0	
TOTAL	0	0	0	0	0	0	0	0	

Local Funds									**Program Code**
Existing Funding									
Component	Prior	08/09	09/10	10/11	11/12	12/13	13/14+	Total	**Funding Agency**
E&P (PA&ED)	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	0	0	0	
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	
Proposed Funding									**Notes**
E&P (PA&ED)								0	
PS&E						0	0	0	
R/W SUP (Sponsor)								0	
CON SUP (Sponsor)		683,750						683,750	
R/W								0	
CON		4,316,250						4,316,250	
TOTAL	0	5,000,000	0	0	0	0	0	5,000,000	

Private Funds									**Program Code**
Existing Funding									
Component	Prior	08/09	09/10	10/11	11/12	12/13	13/14+	Total	**Funding Agency**
E&P (PA&ED)	0	0	0	0	0	0	0	0	
PS&E	0	0	0	0	0	0	0	0	
R/W SUP (Sponsor)	0	0	0	0	0	0	0	0	
CON SUP (Sponsor)	0	0	0	0	0	0	0	0	
R/W	0	0	0	0	0	0	0	0	
CON	0	0	0	0	0	0	0	0	
TOTAL	0	0	0	0	0	0	0	0	
Proposed Funding									**Notes**
E&P (PA&ED)								0	
PS&E								0	
R/W SUP (Sponsor)								0	
CON SUP (Sponsor)								0	
R/W								0	
CON								0	
TOTAL	0	0	0	0	0	0	0	0	