

Attachment 1



Hesperia, CA- Main Street Corridor Adaptive Program Phase II

Item #	Description	Labor	Materials	Total Cost
AB 2766 Grant Related Items				
1	Contract/ Administration	\$8,000		\$8,000
2	Reporting/ Monitoring	\$1,500		\$1,500
3	Before and After Studies	\$30,000		\$30,000
Subtotal				\$39,500
InSync Related Work				
4	Mobilization	\$7,500		\$10,000
5	Communications	\$25,000	\$5,000	\$30,000
6	Camera Swaps (6 total)- assume conductor wire is acceptable condition and existing mounts are in adequate condition	\$52,000	\$1,500	\$53,500
7	Install and configure InSync Equipment (City locations)	\$20,000	\$2,500	\$22,500
8	Training (One refresher training session assumed)	\$2,500		\$2,500
9	Traffic Control Plan/ Equipment (InSync Work)	\$30,000		\$30,000
10	Controller Swaps (6 locations) with applicable signal timing sheets	\$9,000		\$9,000
Subtotal				\$157,500
Caltrans Related Work (Siemens Sub)				
11	Mobilization	\$6,500		\$10,000
12	Communications (Caltrans Ramp Locations)	\$15,000	\$3,000	\$18,000
13	Install new cameras at two intersections (assume new conductor wire for camera power- wire in Rhythm Quote) - ROM Assumption- Siemens to complete work	\$35,000	\$2,500	\$37,500
14	Install and Configure InSync Equipment (Caltrans locations)- Urban Systems to complete with Siemens support	\$10,000	\$4,000	\$14,000
15	Training (up to two training sessions for Caltrans Staff)	\$4,500		\$4,500
16	Traffic Control Plan/ Equipment (InSync Work at Caltrans ramps)	\$20,000		\$20,000
17	Signal modification plan (Caltrans intersections- 2 locations)	\$15,000		\$15,000
Subtotal				\$119,000
Signal Upgrade Work (Siemens Sub for Pole Relocation)				
18	Mobilization	\$7,500		\$10,000
19	Pole Relocation (Siemens)	\$50,000	\$5,000	\$55,000
20	Cabinet Replacement at Cataba (Siemens)	\$20,000	\$2,500	\$22,500
21	332/Nema Cabinet Swap at Escondido (Riser with new foundation extension poured around riser)	\$15,000	\$3,000	\$18,000
22	BBS Replacement (Cataba, Key Pointe, Escondido and Mariposa)	\$12,000	\$1,500	\$13,500
Subtotal				\$119,000
Overall Project Shared Costs				
23	Documentation (Caltrans and City)	\$5,000		\$5,000
24	Contingency (20% of install costs)			\$0
25	Contingency for Caltrans advanced detection (pod based wireless assumed)	\$45,000		\$45,000

26	Caltrans coordination/ permit app (fees to be paid directly by Hesperia)	\$15,000		\$15,000
27	Housing/ Per Diem	\$10,000		\$10,000
28	Work Bond/ addtl insurance	\$20,000		\$20,000
Subtotal				\$95,000
Total Project Cost (excluding items below)				\$530,000

Item #	Description	Labor	Materials	Total Cost
Optional Items				
1	G and Main- New Cabinet and BBS (Cabinet to be installed on saw cut foundation with new bolts placed in concrete/structural epoxy and new cabinet placed on old foundation- no new signal wires assumed)	\$13,200		\$13,200
2	Contingency	\$2,000		\$2,000
Subtotal				\$15,200

Notes:

- A. Contingency funds as outlined in Item #13 and 14 will be available for unexpected/unanticipated project costs such as ISP drops/trenching/additional conductor wire etc... at Urban Systems' discretion
- B. Rhythm Engineering Personnel will be available to consult on the Install
- C. Any Tools or equipment purchased for the job (i.e. traffic control) will become the property of Urban Systems.
- D. Any materials purchased for the job will become the property of the City of Hesperia

- E. All contracting work (i.e. cabinet swap and new camera install) will be completed at State of California prevailing wage rates for San Bernardino County
- F. A subcontractor may be hired for Caltrans advanced detection installation at the discretion of Urban Systems with concurrence of the City of Hesperia and Caltrans

- G. Work completed by Urban Systems Associates, Inc. is to be considered design and signal maintenance work such as controller replacement and installation of additional sensors or antenna.
- H. A detailed proposal for optional additional services will be provided upon request. It is
- I. Commercial grade materials will be utilized if at all possible.
- J. All materials ordered by Urban Systems Associates, Inc. and subcontractors will be reimbursed at cost without markup.
- K. Shipping Costs for materials ordered by Urban Systems Associates, Inc. and subcontractors will be reimbursed at cost without markup.
- L. No signal modification plans are assumed except at Caltrans intersections

- M. Side Cabinets to be repurposed from existing BBS cabinets at City locations- where new NEMA cabinets are installed, Rhythm equipment will be installed inside
- N. The City of Hesperia will provide pole and mast arm for pole relocation at Mariposa Road. All other materials to be supplied by signal subcontractor
- O. The City of Hesperia will provide Signal Cabinets for Escondido and Catapa at Main along with BBS systems and cabinets at other locations in scope of work above. City of Hesperia will also procure and provide Rhythm Engineering/Insync system and components per quote above.
- P. City of Hesperia to procure and provide new controllers from Trafficware.
- Q. Urban Systems bond to cover services provided by Urban Systems only. Rhythm