

**City of Casa Grande
Jimmy Kerr Blvd and Sunland Gin Road Traffic Signal
Final Cost Estimate**

Item No	Item Description	Unit	Quantity	Unit Price	Amount
General Conditions					
105-01	Record Drawings	L.SUM	1	\$2,500.00	\$2,500.00
105-02	Construction Surveying and Layout	L.SUM	1	\$7,500.00	\$7,500.00
109-01	Mobilization/Demobilization	L.SUM	1	\$30,000.00	\$30,000.00
Roadway					
340-03	Aggregate Base, Class 2	CU.YD.	95	\$150.00	\$14,250.00
340-01	Asphaltic Concrete	TON	93	\$225.00	\$20,925.00
340-02	Concrete Curb And Gutter (MAG Det. 220-1) (Type A)	L.FT.	120	\$25.00	\$3,000.00
340-03	Concrete Single Curb (MAG Det. 222)	L.FT.	88	\$25.00	\$2,200.00
Removals					
350-01	Remove Existing Asphaltic Concrete Pavement	SQ.YD.	450	\$15.00	\$6,750.00
350-02	Remove Existing Signs, Post and Foundation	EACH	2	\$500.00	\$1,000.00
Traffic Control					
401-01	Maintenance and Protection of Traffic	L.SUM	1	\$25,000.00	\$25,000.00
Pavement Marking, Signing, and Traffic Signal					
462-00	Obliterate Pavement Marking (Arrow, Symbol Railroad or Legend)	EACH	6	\$150.00	\$900.00
462-01	Obliterate Pavement Marking (STRIPE)	L.FT.	322	\$5.00	\$1,610.00
462-02	Pavement Marking (White Extruded Thermoplastic) (0.090")	L.FT.	3,110	\$0.75	\$2,332.50
462-03	Pavement Marking (Yellow Extruded Thermoplastic) (0.090")	L.FT.	1,400	\$0.75	\$1,050.00
462-05	Pavement Marking, Preformed, Legend, Type I/IV	EACH	5	\$300.00	\$1,500.00
462-06	Pavement Marking, Preformed, Symbol, Type I/IV	EACH	3	\$200.00	\$600.00
464-01	Breakaway Base for Lighting Pole or Signal Flasher	EACH	3	\$750.00	\$2,250.00
464-02	Sign Post U-Channel (Galvanized Steel)	L.FT.	36	\$150.00	\$5,400.00
464-03	Foundation For Sign Post	EACH	10	\$500.00	\$5,000.00
464-04	Sign Post (Perforated) (2 1/2 S)	L.FT.	61	\$15.00	\$915.00
464-05	Sign Post (Perforated) (2 1/2 T)	L.FT.	26	\$20.00	\$520.00
464-06	Warning, Marker, or Regulatory Sign Panel (Type XI Sheeting)	SQ.FT.	64	\$30.00	\$1,905.00
464-07	Flat Sheet Aluminum Sign Panel	SQ.FT.	48	\$40.00	\$1,920.00
471-01	Pull Box (No. 5)	EACH	1	\$1,200.00	\$1,200.00
471-02	Pull Box (No. 7)	EACH	5	\$1,500.00	\$7,500.00
471-03	Pull Box (No. 7) (With Extension)	EACH	1	\$2,000.00	\$2,000.00
471-04	Electrical Conduit (3") (PVC) (Schedule 40) (Trench)	L.FT.	488	\$25.00	\$12,200.00
471-05	Electrical Conduit (3") (PVC) (Schedule 40) (Directional Drill)	L.FT.	120	\$100.00	\$12,000.00
471-06	Electrical Conduit (4") (PVC) (Schedule 40) (Trench)	L.FT.	24	\$40.00	\$960.00
472-01	Pole (Type G)	EACH	3	\$2,500.00	\$7,500.00
472-02	Pole (Type J)	EACH	1	\$2,500.00	\$2,500.00
472-03	Pole (Special) (Span Wire, ADOT T.S. 15-1, Steel Pole)	EACH	2	\$6,000.00	\$12,000.00
472-04	Pole Foundation (Type G)	EACH	3	\$2,500.00	\$7,500.00
472-05	Pole Foundation (Type J)	EACH	1	\$3,000.00	\$3,000.00
472-06	Pole Foundation (Special) (Span Wire, ADOT T.S. 15-1, Steel Pole)	EACH	2	\$9,500.00	\$19,000.00
472-08	Mast Arm (15 Ft.) (Tapered)	EACH	2	\$2,000.00	\$4,000.00
472-09	Mast Arm (20 Ft.) (Tapered)	EACH	4	\$2,500.00	\$10,000.00
472-10	Mast Arm (25 Ft.) (Tapered)	EACH	1	\$3,500.00	\$3,500.00
475-01	Control Cabinet (Type IV w/ Elevator Base) (McCain atc Traffic Cabinet)	EACH	1	\$30,000.00	\$30,000.00
475-02	Meter Pedestal Cabinet	EACH	1	\$8,000.00	\$8,000.00
475-06	Video Detection System (Gridsmart)	L.SUM	1	\$25,000.00	\$25,000.00
475-07	Radar Advanced Detection System (2-Unit)	EACH	2	\$3,500.00	\$7,000.00
475-08	Emergency Vehicle Pre-Emption	EACH	1	\$1,000.00	\$1,000.00
475-09	Power Supply (Battery Backup)	EACH	1	\$6,000.00	\$6,000.00
475-10	Lane Control Signal Assembly (Blank Out Signs)	EACH	4	\$4,000.00	\$16,000.00
476-00	Traffic Signal Face (Type F)	EACH	9	\$1,000.00	\$9,000.00
476-01	Traffic Signal Face (Type G)	EACH	2	\$1,000.00	\$2,000.00
476-02	Traffic Signal Face (Type R)	EACH	2	\$1,000.00	\$2,000.00
476-03	Traffic Signal Mounting Assembly (Type II)	EACH	1	\$400.00	\$400.00
476-04	Traffic Signal Mounting Assembly (Type V)	EACH	3	\$700.00	\$2,100.00
476-05	Traffic Signal Mounting Assembly (Type VII)	EACH	1	\$750.00	\$750.00

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476-06	Traffic Signal Mounting Assembly (Type XI)	EACH	1	\$750.00	\$750.00
476-07	Traffic Signal Mounting Assembly (Span Wire)	EACH	8	\$500.00	\$4,000.00
477-01	Luminaire (Horizontal Mount) (LED 25L)	EACH	6	\$550.00	\$3,300.00
478-02	Conductors	L.SUM	1	\$25,000.00	\$25,000.00
BID ITEM TOTAL					\$386,187.50
Non-Bid Items					
	Construction Contingency	%	5%		\$19,309.38
	Construction Administration	%	15%		\$57,928.13
PROJECT SUB TOTAL					\$463,425.00
Other Project Costs					
	Union Pacific Preemption Construction Costs	L.SUM	1	\$441,630.00	\$441,630.00
	Union Pacific Flagging Costs	L.SUM	1	\$41,000.00	\$41,000.00
TOTAL ENGINEER'S ESTIMATE					\$946,055.00