

680 MEGA CARM Segment 3A Cost Estimate

Location	Civil	ITS*
North Main Street	0	30,000
Truck Scales	0	0
Treat Boulevard	0	30,000
Coggins Drive	1,690,000	350,000
Monument Boulevard	0	30,000
Willow Pass Road	8,320,000	150,000
Mainline (Guardrail, Access Paths, MVPs) (18 TIRTLS, Cabinets, Conduits, Fiber)	200,000	1,800,000
Subtotal	10,300,000	2,400,000

Total 12,700,000

*Incremental cost for implenting CARM (on top of ELC std. Caltrans metering installation)

Alternative 1

Innovate 680: N Main Street Estimate					
Item Description	Quantity	Unit	Cost Assumptions	Total Cost	Engineering Assumptions
Roadway					
Pavement	0	sq ft	\$40	\$0	Layout to be constructed by Express Lane project
Remove Painted Pavement Marking	0	ft	\$5	\$0	Grinding away existing thermoplastic
Striping	0	ft	\$1	\$0	
Retaining Wall	0	sq ft	\$350	\$0	Not necessary
Sound Walls, assume avg H=14'	0	sq ft	\$150	\$0	Does not qualify
Permanent Concrete Barrier	0	ft	\$120	\$0	
Temporary Concrete Barrier	0	ft	\$30	\$0	K-Rail
			Roadway Total	\$0	
Drainage					
				\$0	5% of Roadway Costs
			Drainage Total	\$0	
Utilities					
				\$0	5% of Roadway Costs
			Utility Total	\$0	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
			Structures Total	\$0	
Right of Way					
Business	0	sq ft	\$300	\$0	
Residential	0	sq ft	\$250	\$0	
Public (Schools, parks, hospitals, etc.)	0	sq ft	\$200	\$0	
			R/W Total	\$0	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

Alternative 1

Innovate 680: Truck Scales Estimate					
Item Description	Quantity	Unit	Cost Assumptions	Total Cost	Engineering Assumptions
Roadway					
Pavement	0	sq ft	\$40	\$0	
Remove Painted Pavement Marking	0	ft	\$5	\$0	Grinding away existing thermoplastic
Striping	0	ft	\$1	\$0	
Retaining Wall	0	sq ft	\$350	\$0	Not necessary
Sound Walls, assume avg H=14'	0	sq ft	\$150	\$0	Does not qualify
Permanent Concrete Barrier	0	ft	\$120	\$0	
Temporary Concrete Barrier	0	ft	\$30	\$0	K-Rail
			Roadway Total	\$0	
Drainage					
				\$0	5% of Roadway Costs
			Drainage Total	\$0	
Utilities					
				\$0	5% of Roadway Costs
			Utility Total	\$0	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
			Structures Total	\$0	
Right of Way					
Business	0	sq ft	\$300	\$0	
Residential	0	sq ft	\$250	\$0	
Public (Schools, parks, hospitals, etc.)	0	sq ft	\$200	\$0	
			R/W Total	\$0	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

5/2/2024

Alternative 1

Innovate 680: Treat Estimate					
Item Description	Quantity	Unit	Cost Assumptions	Total Cost	Engineering Assumptions
Roadway					
Cold Plane and Overlay	0	sq ft	\$10	\$0	Resurfacing
Remove Painted Pavement Marking	0	ft	\$5	\$0	Grinding away existing thermoplastic
Striping	0	ft	\$1	\$0	
Retaining Wall	0	sq ft	\$350	\$0	Not necessary
Sound Walls, assume avg H=14'	0	sq ft	\$150	\$0	Does not qualify
Permanent Concrete Barrier	0	ft	\$120	\$0	
Temporary Concrete Barrier	0	ft	\$30	\$0	K-Rail
			Roadway Total	\$0	
Drainage					
				\$0	5% of Roadway Costs
			Drainage Total	\$0	
Utilities					
				\$0	5% of Roadway Costs
			Utility Total	\$0	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
			Structures Total	\$0	
Right of Way					
Business	0	sq ft	\$300	\$0	
Residential	0	sq ft	\$250	\$0	
Public (Schools, parks, hospitals, etc.)	0	sq ft	\$200	\$0	
			R/W Total	\$0	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

5/2/2024

Alternative 1

Innovate 680: Oak-Coggins Estimate					
Item Description	Quantity	Unit	Cost Assumptions	Total Cost	Engineering Assumptions
Roadway					
Pavement	28,300	sq ft	\$40	\$1,132,000	
Remove Painted Pavement Marking	0	ft	\$5	\$0	Grinding away existing thermoplastic
Striping	2,800	ft	\$1	\$2,800	
Retaining Wall	0	sq ft	\$350	\$0	Not necessary
Sound Walls, assume avg H=14'	0	sq ft	\$150	\$0	Does not qualify
Permanent Concrete Barrier	0	ft	\$120	\$0	
Temporary Concrete Barrier	0	ft	\$30	\$0	K-Rail
			Roadway Total	\$1,134,800	
Drainage					
				\$56,740	5% of Roadway Costs
			Drainage Total	\$56,740	
Utilities					
				\$56,740	5% of Roadway Costs
			Utility Total	\$56,740	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
			Structures Total	\$0	
Right of Way					
Business	0	sq ft	\$300	\$0	
Residential	0	sq ft	\$250	\$0	
Public (Schools, parks, hospitals, etc.)	0	sq ft	\$200	\$0	
			R/W Total	\$0	
			Sub Total	\$1,248,280	
			Contingency	\$436,898	35% of Sub Total
			Total	\$1,690,000	Rounded Up

5/2/2024

Alternative 1

Innovate 680: Monument Estimate					
Item Description	Quantity	Unit	Cost Assumptions	Total Cost	Engineering Assumptions
Roadway					
Cold Plane and Overlay	0	sq ft	\$10	\$0	Resurfacing
Remove Painted Pavement Marking	0	ft	\$5	\$0	Grinding away existing thermoplastic
Striping	0	ft	\$1	\$0	
Retaining Wall	0	sq ft	\$350	\$0	Not necessary
Sound Walls, assume avg H=14'	0	sq ft	\$150	\$0	Does not qualify
Permanent Concrete Barrier	0	ft	\$120	\$0	
Temporary Concrete Barrier	0	ft	\$30	\$0	K-Rail
			Roadway Total	\$0	
Drainage					
				\$0	5% of Roadway Costs
			Drainage Total	\$0	
Utilities					
				\$0	5% of Roadway Costs
			Utility Total	\$0	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
			Structures Total	\$0	
Right of Way					
Business	0	sq ft	\$300	\$0	
Residential	0	sq ft	\$250	\$0	
Public (Schools, parks, hospitals, etc.)	0	sq ft	\$200	\$0	
			R/W Total	\$0	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

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Alternative 1

Innovate 680: Sun Valley Estimate					
Item Description	Quantity	Unit	Cost Assumptions	Total Cost	Engineering Assumptions
Roadway					
Pavement	62,000	sq ft	\$40	\$2,480,000	
Remove Painted Pavement Marking	0	ft	\$5	\$0	Grinding away existing thermoplastic
Striping	4,640	ft	\$1	\$4,640	
Retaining Wall	8,800	sq ft	\$350	\$3,080,000	1,100' x 8' tall; To avoid R/W acquisition
Sound Walls, assume avg H=14'	0	sq ft	\$150	\$0	Does not qualify
Permanent Concrete Barrier	0	ft	\$120	\$0	
Temporary Concrete Barrier	1,100	ft	\$30	\$33,000	K-Rail
			Roadway Total	\$5,597,640	
Drainage					
				\$279,882	5% of Roadway Costs
			Drainage Total	\$279,882	
Utilities					
				\$279,882	5% of Roadway Costs
			Utility Total	\$279,882	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
			Structures Total	\$0	
Right of Way					
Business	0	sq ft	\$300	\$0	
Residential	0	sq ft	\$250	\$0	
Public (Schools, parks, hospitals, etc.)	0	sq ft	\$200	\$0	
			R/W Total	\$0	
			Sub Total	\$6,157,404	
			Contingency	\$2,155,091	35% of Sub Total
			Total	\$8,320,000	Rounded Up

5/2/2024