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)

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	2005 Hot quality
Temporary Concrete Barrier	0	ft	\$30	\$0	K-Rail
remporary consider barrier	, ,		Roadway Total	\$0	N NO.
Drainage				\$0	5% of Roadway Costs
Diamage			Drainage Total	\$0	376 Of Roadway Costs
			Diamage rotal	, JU	
Utilities				\$0	5% of Roadway Costs
			Utility Total	\$0	
Structures					
New	0	sq ft	\$300	\$0	
Widening	0	sq ft	\$200	\$0	
· · · · · · · · · · · · · · · · · · ·	Ů	34.1	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 asia (solves) parks, respically every		54.1	R/W Total	\$0	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

Innovate 680: Truck Scales Estimate					
Item Description	em 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	575 51 1155 5115 5155
			_		
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 abite (seriodis, parks, riospitais, etc.)		3910	R/W Total	\$0	
				·	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

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	
Dramage			Drainage Total	\$0	370 Of Roddway Costs	
				7-		
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		\$250	\$0 \$0		
	0	sq ft	\$250			
Public (Schools, parks, hospitals, etc.)	1 0	sq ft	\$200 R/W Total	\$0 \$0		
			ny w Total	30		
			Sub Total	\$0		
			Contingency	\$0 \$0	35% of Sub Total	
			Total	\$0 \$0	Rounded Up	

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	
Dramage			Drainage Total	\$56,740	370 Of Noddway Costs	
			Diamage rotal	330,740		
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	

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
Dramage			Drainage Total	\$0	570 Of Roadway Costs
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	+
t abite (certicols) parties, nespitals, etc.)		39.1	R/W Total	\$0	
			Sub Total	\$0	
			Contingency	\$0	35% of Sub Total
			Total	\$0	Rounded Up

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	
Dramage			Drainage Total	\$279,882	5% Of Roduway Costs	
			Diamage Total	32/3,002		
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		
Disha status						
Right of Way Business		64	ć200	ćo		
	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	