

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
Sidewalk Infill and ADA Ramps							
	Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	\$ 70.00
	Engineering/Surveying (15%)	%	0.15	\$ 50.00	\$ 7.50		
	Construction Administration/Inspection (15%)	%	0.15	\$ 50.00	\$ 7.50		
	Contingency (10%)	%	0.1	\$ 50.00	\$ 5.00		
Common turn lane, Sidewalk Infill & Ramps							
	Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	\$ 137.20
	Striping	LF	8	\$ 6.00	\$ 48.00		
	Engineering/Surveying (15%)	%	0.15	\$ 98.00	\$ 14.70		
	Construction Administration/Inspection (15%)	%	0.15	\$ 98.00	\$ 14.70		
	Contingency (10%)	%	0.1	\$ 98.00	\$ 9.80		
Curb, Sidewalk Infill and ADA Ramps							
	Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	\$ 98.00
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Engineering/Surveying (15%)	%	0.15	\$ 70.00	\$ 10.50		
	Construction Administration/Inspection (15%)	%	0.15	\$ 70.00	\$ 10.50		
	Contingency (10%)	%	0.1	\$ 70.00	\$ 7.00		
Single Lane Roundabout							
	Single Lane Roundabout	LS	1	\$ 800,000.00	\$ 800,000.00		\$ 1,120,000.00
	Engineering/Surveying (15%)	%	0.15	\$ 800,000.00	\$ 120,000.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 800,000.00	\$ 120,000.00		
	Contingency (10%)	%	0.1	\$ 800,000.00	\$ 80,000.00		
New 5-Lane Arterial							
	A.C. Pavement	SY	9.33	\$ 20.00	\$ 186.60	6" depth (84SF/LF road)	\$ 785.78
	Aggregate Base	SY	9.33	\$ 10.00	\$ 93.30	10" depth (84SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Sub-base prep	SY	9.33	\$ 5.00	\$ 46.65		
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.4	\$ 72.00	\$ 28.80	100 LF./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	23.8	\$ 0.40	\$ 9.52	50 year/24 hour storm, 120 ft. R-O-W	
	Street Landscaping	SF	12	\$ 2.50	\$ 30.00	Between sidewalk and curb	
	Irrigation	SF	12	\$ 1.00	\$ 12.00		
	Engineering/Surveying (15%)	%	0.15	\$ 561.27	\$ 84.19		
	Construction Administration/Inspection (15%)	%	0.15	\$ 561.27	\$ 84.19		
	Contingency (10%)	%	0.1	\$ 561.27	\$ 56.13		
Capacity Three Lane Arterial							
	A.C. Pavement	SY	4.44	\$ 15.00	\$ 66.60	4" depth (40SF/LF road)	\$ 606.31
	Aggregate Base	SY	4.44	\$ 10.00	\$ 44.40	10" depth (40SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	4.44	\$ 5.00	\$ 22.20		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 LF./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Street Landscaping	SF	35	\$ 2.50	\$ 87.50	Between sidewalk and curb	
	Irrigation	SF	35	\$ 1.00	\$ 35.00		
	Engineering/Surveying (15%)	%	0.15	\$ 433.08	\$ 64.96		
	Construction Administration/Inspection (15%)	%	0.15	\$ 433.08	\$ 64.96		
	Contingency (10%)	%	0.1	\$ 433.08	\$ 43.31		
Curb, Bike Lanes, Sidewalk Infill and ADA Ramps							
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	\$ 158.55
	A.C. Pavement	SY	1.33	\$ 15.00	\$ 19.95	4" depth (12SF/LF road)	

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
	Aggregate Base	SY	1.33	\$ 10.00	\$ 13.30	10" depth (12SF/LF road)	
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Engineering/Surveying (15%)	%	0.15	\$ 113.25	\$ 16.99		
	Construction Administration/Inspection (15%)	%	0.15	\$ 113.25	\$ 16.99		
	Contingency (10%)	%	0.1	\$ 113.25	\$ 11.33		
Structure over New 4-Lane with bike lanes and sidewalks							\$ 3,224,561.20
	Rail Road Structure	SF	3240	\$ 300.00	\$ 972,000.00	36' W x 90' L	
	A.C. Pavement	SY	4350	\$ 20.00	\$ 87,000.00	6" depth 60SF/LF road) 650 LF	
	Aggregate Base	SY	4350	\$ 10.00	\$ 43,500.00	10" depth (60SF/LF road)	
	Curb	LF	1300	\$ 10.00	\$ 13,000.00	Standard 16" w/7" reveal	
	6 ft. Sidewalk	SF	7800	\$ 5.00	\$ 39,000.00	4" PCC w/ 2" agg. base	
	Sub-base prep	SY	4350	\$ 5.00	\$ 21,750.00		
	Catch Basin	EA	6	\$ 1,500.00	\$ 9,000.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	260	\$ 72.00	\$ 18,720.00	100 LF./250 ft.	
	12" Storm Main	LF	650	\$ 72.00	\$ 46,800.00	Longitudinal Main	
	Storm Manhole	EA	3	\$ 3,000.00	\$ 9,000.00	1 MH/250 ft.	
	Detention Ponds	CF	15470	\$ 0.40	\$ 6,188.00	50 year/24 hour storm, 120 ft. R-O-W	
	Street Landscaping	SF	7800	\$ 2.50	\$ 19,500.00	Between sidewalk and curb	
	Irrigation	SF	7800	\$ 1.00	\$ 7,800.00		
	Earthwork	LS	1	\$ 260,000.00	\$ 260,000.00		
	Wall	SF	10000	\$ 75.00	\$ 750,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 2,303,258.00	\$ 345,488.70		
	Construction Administration/Inspection (15%)	%	0.15	\$ 2,303,258.00	\$ 345,488.70		
	Contingency (10%)	%	0.1	\$ 2,303,258.00	\$ 230,325.80		
Bike Lanes, Sidewalk Infill & ADA Ramps							\$ 130.55
	A.C. Pavement	SY	1.33	\$ 15.00	\$ 19.95	4" depth (12SF/LF road)	
	Aggregate Base	SY	1.33	\$ 10.00	\$ 13.30	10" depth (12SF/LF road)	
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Engineering/Surveying (15%)	%	0.15	\$ 93.25	\$ 13.99		
	Construction Administration/Inspection (15%)	%	0.15	\$ 93.25	\$ 13.99		
	Contingency (10%)	%	0.1	\$ 93.25	\$ 9.33		
New Traffic Signal							\$ 378,000.00
	Traffic Signal	LS	1	\$ 270,000.00	\$ 270,000.00	Per Empire Estimate Study	
	Engineering/Surveying (15%)	%	0.15	\$ 270,000.00	\$ 40,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 270,000.00	\$ 40,500.00		
	Contingency (10%)	%	0.1	\$ 270,000.00	\$ 27,000.00		
New 3-lane Collector							\$ 549.65
	A.C. Pavement	SY	5.77	\$ 15.00	\$ 86.55	4" depth (52SF/LF road)	
	Aggregate Base	SY	5.77	\$ 9.00	\$ 51.93	8" depth (52SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	5.77	\$ 5.00	\$ 28.85		
	5 ft. Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 LF./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	16	\$ 0.40	\$ 6.40	50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	17	\$ 2.50	\$ 42.50	Between sidewalk and curb	
	Irrigation	SF	17	\$ 1.00	\$ 17.00		
	Engineering/Surveying (15%)	%	0.15	\$ 392.61	\$ 58.89		
	Construction Administration/Inspection (15%)	%	0.15	\$ 392.61	\$ 58.89		
	Contingency (10%)	%	0.1	\$ 392.61	\$ 39.26		
New Bridge							\$ 1,890,000.00
	Structure	SF	4500	\$ 300.00	\$ 1,350,000.00	50' W x 90' L	
	Engineering/Surveying (15%)	%	0.15	\$ 1,350,000.00	\$ 202,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 1,350,000.00	\$ 202,500.00		
	Contingency (10%)	%	0.1	\$ 1,350,000.00	\$ 135,000.00		

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
Bike Lane Infill (Parking Removal)							\$ 21.60
	Signing	LF	0.01	\$ 300.00	\$ 3.00		
	Striping	LF	2	\$ 6.00	\$ 12.00		
	Engineering/Surveying (15%)	%	0.15	\$ 15.00	\$ 2.25		
	Construction Administration/Inspection (15%)	%	0.15	\$ 15.00	\$ 2.25		
	Contingency (10%)	%	0.1	\$ 15.00	\$ 1.50		
New 3-Lane Arterial							\$ 686.89
	A.C. Pavement	SY	4.44	\$ 15.00	\$ 66.60	4" depth (40SF/LF road)	
	Aggregate Base	SY	4.44	\$ 9.00	\$ 39.96	10" depth (40SF/LF road)	
	Curb	LF	4	\$ 10.00	\$ 40.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	4.44	\$ 5.00	\$ 22.20		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Median Landscaping	SF	12	\$ 2.50	\$ 30.00		
	Street Landscaping	SF	35	\$ 2.50	\$ 87.50	Between sidewalk and curb	
	Irrigation	SF	47	\$ 1.00	\$ 47.00		
	Engineering/Surveying (15%)	%	0.15	\$ 490.64	\$ 73.60		
	Construction Administration/Inspection (15%)	%	0.15	\$ 490.64	\$ 73.60		
	Contingency (10%)	%	0.1	\$ 490.64	\$ 49.06		
2-Lane Collector							\$ 541.49
	A.C. Pavement	SY	4	\$ 15.00	\$ 60.00	4" depth (36SF/LF road)	
	Aggregate Base	SY	4	\$ 9.00	\$ 36.00	8" depth (36SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	4	\$ 5.00	\$ 20.00		
	5 ft. Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	16	\$ 0.40	\$ 6.40	50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	30	\$ 2.50	\$ 75.00	Between sidewalk and curb	
	Irrigation	SF	30	\$ 1.00	\$ 30.00		
	Engineering/Surveying (15%)	%	0.15	\$ 386.78	\$ 58.02		
	Construction Administration/Inspection (15%)	%	0.15	\$ 386.78	\$ 58.02		
	Contingency (10%)	%	0.1	\$ 386.78	\$ 38.68		
Upgrade 3-Lane Arterial							\$ 504.19
	A.C. Pavement	SY	2.44	\$ 15.00	\$ 36.60	4" depth (22SF/LF road)	
	Aggregate Base	SY	2.44	\$ 9.00	\$ 21.96	10" depth (22SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	2.44	\$ 5.00	\$ 12.20		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Street Landscaping	SF	32	\$ 2.50	\$ 80.00	Between sidewalk and curb	
	Irrigation	SF	32	\$ 1.00	\$ 32.00		
	Engineering/Surveying (15%)	%	0.15	\$ 360.14	\$ 54.02		
	Construction Administration/Inspection (15%)	%	0.15	\$ 360.14	\$ 54.02		
	Contingency (10%)	%	0.1	\$ 360.14	\$ 36.01		
2-Canal Crossing Structures							\$ 1,750,000.00
	Structure	LS	1	\$ 1,250,000.00	\$ 1,250,000.00		

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
	Engineering/Surveying (15%)	%	0.15	\$ 1,250,000.00	\$ 187,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 1,250,000.00	\$ 187,500.00		
	Contingency (10%)	%	0.1	\$ 1,250,000.00	\$ 125,000.00		
Upgrade 2-lanes to 5-lanes (left turn) with bike lanes and sidewalks							\$ 546.19
	A.C. Pavement	SY	4.44	\$ 15.00	\$ 66.60	4" depth (40SF/LF road) (36' existing) per Empire Study	
	Aggregate Base	SY	4.44	\$ 9.00	\$ 39.96	10" depth (40SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	4.44	\$ 5.00	\$ 22.20		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Street Landscaping	SF	24	\$ 2.50	\$ 60.00	Between sidewalk and curb	
	Irrigation	SF	24	\$ 1.00	\$ 24.00		
	Engineering/Surveying (15%)	%	0.15	\$ 390.14	\$ 58.52		
	Construction Administration/Inspection (15%)	%	0.15	\$ 390.14	\$ 58.52		
	Contingency (10%)	%	0.1	\$ 390.14	\$ 39.01		
Upgrade 2-lanes to 3-lanes (left turn) with bike lanes and sidewalks							\$ 491.69
	A.C. Pavement	SY	1.77	\$ 15.00	\$ 26.55	4" depth (16SF/LF road) (36' existing) per Empire Study	
	Aggregate Base	SY	1.77	\$ 9.00	\$ 15.93	10" depth (16SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	1.77	\$ 5.00	\$ 8.85		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Street Landscaping	SF	35	\$ 2.50	\$ 87.50	Between sidewalk and curb	
	Irrigation	SF	35	\$ 1.00	\$ 35.00		
	Engineering/Surveying (15%)	%	0.15	\$ 351.21	\$ 52.68		
	Construction Administration/Inspection (15%)	%	0.15	\$ 351.21	\$ 52.68		
	Contingency (10%)	%	0.1	\$ 351.21	\$ 35.12		
Multi-lane Roundabout							\$ 2,800,000.00
	Multi- Lane Roundabout	LS	1	\$ 2,000,000.00	\$ 2,000,000.00	Per Reed Mkt Study	
	Engineering/Surveying (15%)	%	0.15	\$ 2,000,000.00	\$ 300,000.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 2,000,000.00	\$ 300,000.00		
	Contingency (10%)	%	0.1	\$ 2,000,000.00	\$ 200,000.00		
Upgrade signal to multi-lane roundabout							\$ 1,984,000.00
	Project	LS	1	\$ 1,984,000.00	\$ 1,984,000.00	Per Empire Estimate Study	
CANAL CROSSING							\$ 1,687,640.00
	Project	LS	1	\$ 1,687,640.00	\$ 1,687,640.00	Per Empire Estimate Study	
New 2-Lane Arterial							\$ 655.73
	A.C. Pavement	SY	4	\$ 15.00	\$ 60.00	4" depth (36SF/LF road)	
	Aggregate Base	SY	4	\$ 9.00	\$ 36.00	10" depth (36SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	4	\$ 5.00	\$ 20.00		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Street Landscaping	SF	50	\$ 2.50	\$ 125.00	Between sidewalk and curb	
	Irrigation	SF	50	\$ 1.00	\$ 50.00		

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	Engineering/Surveying (15%)	%	0.15	\$ 468.38	\$ 70.26		
	Construction Administration/Inspection (15%)	%	0.15	\$ 468.38	\$ 70.26		
	Contingency (10%)	%	0.1	\$ 468.38	\$ 46.84		
New 2- Lane Collector							\$ 545.69
	A.C. Pavement	SY	4	\$ 15.00	\$ 60.00	4" depth (36SF/LF road)	
	Aggregate Base	SY	4	\$ 8.00	\$ 32.00	8" depth (36SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	4	\$ 5.00	\$ 20.00		
	5 ft. Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.96	52 LF./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1.MH/250 ft.	
	Detention Ponds	CF	16	\$ 0.40	\$ 6.40	50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	32	\$ 2.50	\$ 80.00	Between sidewalk and curb	
	Irrigation	SF	32	\$ 1.00	\$ 32.00		
	Engineering/Surveying (15%)	%	0.15	\$ 389.78	\$ 58.47		
	Construction Administration/Inspection (15%)	%	0.15	\$ 389.78	\$ 58.47		
	Contingency (10%)	%	0.1	\$ 389.78	\$ 38.98		
Upgrade 2-lanes to 3-lanes with bike lanes and sidewalks	Project LS		1	\$ 6,813,000.00	\$ 6,813,000.00	Per Murphy Study	\$ 6,813,000.00
New Traffic Signal/ Lane Addition							\$ 2,469,631.50
	Unclassified Excavation/Embankment	CY	5230	\$ 12.00	\$ 62,760.00		
	Standard 16" Conc. Curb.	LF	3150	\$ 10.00	\$ 31,500.00		
	Standard Sidewalk (4" thick).	SF	16050	\$ 5.00	\$ 80,250.00		
	4" Asphaltic Conc. Paving.	SY	9250	\$ 15.00	\$ 138,750.00		
	10" Aggregate Base.	SY	9250	\$ 9.00	\$ 83,250.00		
	2" Asphaltic Conc. Paving.	SY	150	\$ 9.00	\$ 1,350.00		
	6" Aggregate Base.	SY	150	\$ 7.75	\$ 1,162.50		
	Stormwater System (4)	LS	1	\$ 700,000.00	\$ 700,000.00		
	Retaining Walls	SF	9600	\$ 40.00	\$ 384,000.00		
	Water Valve Adjustment	EA	9	\$ 400.00	\$ 3,600.00		
	Sewer Manhole Adjustment	EA	3	\$ 800.00	\$ 2,400.00		
	Temporary Traffic Control	LS	1	\$ 40,000.00	\$ 40,000.00		
	Traffic Signal	LS	1	\$ 225,000.00	\$ 225,000.00		
	Permanent Signing and Striping	LS	1	\$ 10,000.00	\$ 10,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 1,764,022.50	\$ 264,603.38		
	Construction Administration/Inspection (15%)	%	0.15	\$ 1,764,022.50	\$ 264,603.38		
	Contingency (10%)	%	0.1	\$ 1,764,022.50	\$ 176,402.25		
Full Signal/Intersection Improvements	Improvements LS		1	\$ 550,000.00	\$ 550,000.00	Butler Brinson " 1.5	\$ 770,000.00
	Engineering/Surveying (15%)	%	0.15	\$ 550,000.00	\$ 82,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 550,000.00	\$ 82,500.00		
	Contingency (10%)	%	0.1	\$ 550,000.00	\$ 55,000.00		
4-Lane Arterial (Corridor Study)	Improvements LS		1	\$ 720,000.00	\$ 720,000.00	Empire Study	\$ 1,008,000.00
	Engineering/Surveying (15%)	%	0.15	\$ 720,000.00	\$ 108,000.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 720,000.00	\$ 108,000.00		
	Contingency (10%)	%	0.1	\$ 720,000.00	\$ 72,000.00		
New Channelization, Sidewalk infill							\$ 117.60
	Striping	LF	4	\$ 6.00	\$ 24.00	10" depth (12SF/LF road)	
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Engineering/Surveying (15%)	%	0.15	\$ 84.00	\$ 12.60		
	Construction Administration/Inspection (15%)	%	0.15	\$ 84.00	\$ 12.60		
	Contingency (10%)	%	0.1	\$ 84.00	\$ 8.40		
Partial Widening, Curb, Bike Lanes, Sidewalk Infill and ADA Ramps	A.C. Pavement	SY	1.33	\$ 15.00	\$ 19.95	4" depth (12SF/LF road)	\$ 182.97

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Linear Foot
	Aggregate Base	SY	1.33	\$	8.00	10.64 8" depth (12SF/LF road)	
	Curb	LF	1	\$	10.00	10.00 Standard 16" w/7" reveal	
	Sub-base prep	SY	1.33	\$	5.00	6.65	
	5 ft. Sidewalk	SF	5	\$	5.00	25.00 4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.004	\$	1,500.00	6.00 Catch Basin each side/250 ft.	
	8" Storm Lateral	LF	0.048	\$	72.00	3.46 12 L.F./250 ft.	
	Street Landscaping	SF	14	\$	2.50	35.00 Between sidewalk and curb	
	Irrigation	SF	14	\$	1.00	14.00	
	Engineering/Surveying (15%)	%	0.15	\$	130.70	19.60	
	Construction Administration/Inspection (15%)	%	0.15	\$	130.70	19.60	
	Contingency (10%)	%	0.1	\$	130.70	13.07	
New Frontage							\$ 545.69
	A.C. Pavement	SY	4	\$	15.00	60.00 4" depth (36SF/LF road)	
	Aggregate Base	SY	4	\$	8.00	32.00 8" depth (36SF/LF road)	
	Curb	LF	2	\$	10.00	20.00 Standard 16" w/7" reveal	
	Sub-base prep	SY	4	\$	5.00	20.00	
	5 ft. Sidewalk	SF	10	\$	5.00	50.00 4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$	1,500.00	12.00 Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$	72.00	14.98 52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$	72.00	50.40 Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$	3,000.00	12.00 1 MH/250 ft.	
	Detention Ponds	CF	1.6	\$	0.40	6.40 50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	32	\$	2.50	80.00 Between sidewalk and curb	
	Irrigation	SF	32	\$	1.00	32.00	
	Engineering/Surveying (15%)	%	0.15	\$	389.78	58.47	
	Construction Administration/Inspection (15%)	%	0.15	\$	389.78	58.47	
	Contingency (10%)	%	0.1	\$	389.78	38.98	
Mid-Term Concept	Project	LS	1	\$	34,150,000.00	34,150,000.00 Mid-Term Concept Report	\$ 34,150,000.00
Signal Modification/Lane Addition							\$ 350,000.00
	Improvements	LS	1	\$	250,000.00	250,000.00	
	Engineering/Surveying (15%)	%	0.15	\$	250,000.00	37,500.00	
	Construction Administration/Inspection (15%)	%	0.15	\$	250,000.00	37,500.00	
	Contingency (10%)	%	0.1	\$	250,000.00	25,000.00	
Restriction							\$ 10,500.00
	Curb	LF	300	\$	10.00	3,000.00 Standard 16" w/7" reveal	
	5 ft. Sidewalk	SF	900	\$	5.00	4,500.00 4" PCC w/ 2" agg. base	
	Engineering/Surveying (15%)	%	0.15	\$	7,500.00	1,125.00	
	Construction Administration/Inspection (15%)	%	0.15	\$	7,500.00	1,125.00	
	Contingency (10%)	%	0.1	\$	7,500.00	750.00	
Pedestrian Crossing							\$ 8,162.00
	A.C. Pavement	SY	60	\$	15.00	900.00 4" depth (36SF/LF road)	
	Aggregate Base	SY	60	\$	8.00	480.00 8" depth (36SF/LF road)	
	Curb	LF	300	\$	10.00	3,000.00 Standard 16" w/7" reveal	
	Sub-base prep	SY	60	\$	5.00	300.00	
	6 ft. Sidewalk	SF	230	\$	5.00	1,150.00 4" PCC w/ 2" agg. base	
	Engineering/Surveying (15%)	%	0.15	\$	5,830.00	874.50	
	Construction Administration/Inspection (15%)	%	0.15	\$	5,830.00	874.50	
	Contingency (10%)	%	0.1	\$	5,830.00	583.00	
Multi-use Trail, Curb, Sidewalk Infill and ADA Ramps							\$ 408.62
	Standard 16" Conc. Curb.	LF	2	\$	10.00	20.00	
	Standard Sidewalk (4" thick).	SF	6	\$	5.00	30.00	
	4" Asphaltic Conc. Paving.	SY	0.5	\$	15.00	7.50	
	10" Aggregate Base.	SY	0.5	\$	9.00	4.50	
	2" Asphaltic Conc. Paving.	SY	1.11	\$	9.00	9.99	
	6" Aggregate Base.	SY	1.11	\$	7.75	8.60	
	Catch Basin	EA	0.008	\$	1,500.00	12.00 Catch Basin each side/250 ft.	

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	16	\$ 0.40	\$ 6.40	50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	33	\$ 2.50	\$ 82.50	Between sidewalk and curb	
	Irrigation	SF	33	\$ 1.00	\$ 33.00		
	Engineering/Surveying (15%)	%	0.15	\$ 291.87	\$ 43.78		
	Construction Administration/Inspection (15%)	%	0.15	\$ 291.87	\$ 43.78		
	Contingency (10%)	%	0.1	\$ 291.87	\$ 29.19		
Upgrade to 2- Lane Collector							\$ 372.90
	A.C. Pavement	SY	1.11	\$ 15.00	\$ 16.65	4" depth (10SF/LF road)	
	Aggregate Base	SY	1.11	\$ 3.00	\$ 3.33	8" depth (10SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	1.11	\$ 5.00	\$ 5.55		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	16	\$ 0.40	\$ 6.40	50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	17	\$ 2.50	\$ 42.50	Between sidewalk and curb	
	Irrigation	SF	17	\$ 1.00	\$ 17.00		
	Engineering/Surveying (15%)	%	0.15	\$ 266.36	\$ 39.95		
	Construction Administration/Inspection (15%)	%	0.15	\$ 266.36	\$ 39.95		
	Contingency (10%)	%	0.1	\$ 266.36	\$ 26.64		
New Channelization							\$ 350,000.00
	Improvements	LS	1	\$ 250,000.00	\$ 250,000.00	Per City Comment	
	Engineering/Surveying (15%)	%	0.15	\$ 250,000.00	\$ 37,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 250,000.00	\$ 37,500.00		
	Contingency (10%)	%	0.1	\$ 250,000.00	\$ 25,000.00		
Overpass of the existing railroad							\$ 5,000,000.00
	Structure	LS	1	\$ 5,000,000.00	\$ 5,000,000.00	Per Murphy Estimate Study	
Lane Addition							\$ 810,000.00
	Project	LS	1	\$ 810,000.00	\$ 810,000.00	Per Neff 30% Estimate	
Upgrade 2-lanes to 3-lanes (left turn)							\$ 580.92
	A.C. Pavement	SY	1.83	\$ 15.00	\$ 27.45	4" depth (22SF/LF road)	
	Aggregate Base	SY	1.83	\$ 9.00	\$ 16.47	10" depth (22SF/LF road)	
	Curb	LF	4	\$ 10.00	\$ 40.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	1.83	\$ 5.00	\$ 9.15		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	20	\$ 0.40	\$ 8.00	50 year/24 hour storm, 100 ft. R-O-W	
	Median Landscaping	SF	12	\$ 2.50	\$ 30.00		
	Street Landscaping	SF	35	\$ 2.50	\$ 87.50	Between sidewalk and curb	
	Irrigation	SF	47	\$ 1.00	\$ 47.00		
	Engineering/Surveying (15%)	%	0.15	\$ 414.95	\$ 62.24		
	Construction Administration/Inspection (15%)	%	0.15	\$ 414.95	\$ 62.24		
	Contingency (10%)	%	0.1	\$ 414.95	\$ 41.49		
Signal Modification							\$ 210,000.00
	Improvements	LS	1	\$ 150,000.00	\$ 150,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 150,000.00	\$ 22,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 150,000.00	\$ 22,500.00		
	Contingency (10%)	%	0.1	\$ 150,000.00	\$ 15,000.00		
HAWK Signal							\$ 182,000.00

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
	Traffic Signal	LS	1	\$ 130,000.00	\$ 130,000.00	Per Empire Estimate Study	
	Engineering/Surveying (15%)	%	0.15	\$ 130,000.00	\$ 19,500.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 130,000.00	\$ 19,500.00		
	Contingency (10%)	%	0.1	\$ 130,000.00	\$ 13,000.00		
Roundabout Upgrade							\$ 308,000.00
	Improvements	LS	1	\$ 220,000.00	\$ 220,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 220,000.00	\$ 33,000.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 220,000.00	\$ 33,000.00		
	Contingency (10%)	%	0.1	\$ 220,000.00	\$ 22,000.00		
Upgrade to 3-lane Arterial							\$ 393.86
	A.C. Pavement	SY	1.77	\$ 15.00	\$ 26.55	4" depth (16SF/LF road)	
	Aggregate Base	SY	1.77	\$ 9.00	\$ 15.93	10" depth (16SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	1.77	\$ 5.00	\$ 8.85		
	6 ft. Sidewalk	SF	12	\$ 5.00	\$ 60.00	4" PCC w/ 2" agg. base	
	Earthwork	CY	10	\$ 15.00	\$ 150.00	Catch Basin each side/250 ft.	
	Engineering/Surveying (15%)	%	0.15	\$ 281.33	\$ 42.20		
	Construction Administration/Inspection (15%)	%	0.15	\$ 281.33	\$ 42.20		
	Contingency (10%)	%	0.1	\$ 281.33	\$ 28.13		
Upgrade to 3-Lane Collector							\$ 384.77
	A.C. Pavement	SY	1.77	\$ 15.00	\$ 26.55	4" depth (16SF/LF road)	
	Aggregate Base	SY	1.77	\$ 8.00	\$ 14.16	8" depth (16SF/LF road)	
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Sub-base prep	SY	1.77	\$ 5.00	\$ 8.85		
	5 ft. Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	
	Catch Basin	EA	0.008	\$ 1,500.00	\$ 12.00	Catch Basin each side/250 ft.	
	12" Storm Lateral	LF	0.208	\$ 72.00	\$ 14.98	52 L.F./250 ft.	
	12" Storm Main	LF	0.7	\$ 72.00	\$ 50.40	Longitudinal Main (70% of Project Length)	
	Storm Manhole	EA	0.004	\$ 3,000.00	\$ 12.00	1 MH/250 ft.	
	Detention Ponds	CF	16	\$ 0.40	\$ 6.40	50 year/24 hour storm, 80 ft. R-O-W	
	Street Landscaping	SF	17	\$ 2.50	\$ 42.50	Between sidewalk and curb	
	Irrigation	SF	17	\$ 1.00	\$ 17.00		
	Engineering/Surveying (15%)	%	0.15	\$ 274.84	\$ 41.23		
	Construction Administration/Inspection (15%)	%	0.15	\$ 274.84	\$ 41.23		
	Contingency (10%)	%	0.1	\$ 274.84	\$ 27.48		
Upgrade Traffic Signal/Intersection							\$ 280,000.00
	Improvements	LS	1	\$ 200,000.00	\$ 200,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 200,000.00	\$ 30,000.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 200,000.00	\$ 30,000.00		
	Contingency (10%)	%	0.1	\$ 200,000.00	\$ 20,000.00		
Bike Lane Infill (Parking Removal), Sidewalk Infill & ADA Ramps							\$ 114.80
	Sidewalk	SF	10	\$ 5.00	\$ 50.00	4" PCC w/ 2" agg. base	
	Striping	LF	2	\$ 6.00	\$ 12.00		
	Curb	LF	2	\$ 10.00	\$ 20.00	Standard 16" w/7" reveal	
	Engineering/Surveying (15%)	%	0.15	\$ 82.00	\$ 12.30		
	Construction Administration/Inspection (15%)	%	0.15	\$ 82.00	\$ 12.30		
	Contingency (10%)	%	0.1	\$ 82.00	\$ 8.20		
Channelization							\$ 105,000.00
	Improvements	LS	1	\$ 75,000.00	\$ 75,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 75,000.00	\$ 11,250.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 75,000.00	\$ 11,250.00		
	Contingency (10%)	%	0.1	\$ 75,000.00	\$ 7,500.00		
Sidewalk Infill over Canal							\$ 175,000.00
	Structure	SF	1000	\$ 125.00	\$ 125,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 125,000.00	\$ 18,750.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 125,000.00	\$ 18,750.00		
	Contingency (10%)	%	0.1	\$ 125,000.00	\$ 12,500.00		

Description	Item	Unit	Quantity	Unit Cost	Total	Description	Cost Per Lineal Foot
Undercrossing of Parkway and Rail							\$ 16,800,000.00
	Improvements	LS	1	\$ 12,000,000.00	\$ 12,000,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 1,800,000.00	\$ 1,800,000.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 1,800,000.00	\$ 1,800,000.00		
	Contingency (10%)	%	0.1	\$ 1,200,000.00	\$ 1,200,000.00		
OVERPASS (M3a & M3b)							\$ 3,319,833.00
	Structure M3a	LS	1	\$ 5,927,793.00	\$ 5,927,793.00		
	Structure M3b	LS	1	\$ 8,319,833.00	\$ 8,319,833.00	Use since structure is unknown	
Rail Crossing for Bike Lanes & Sidewalk							\$ 35,000.00
	Improvements	LS	1	\$ 25,000.00	\$ 25,000.00		
	Engineering/Surveying (15%)	%	0.15	\$ 3,750.00	\$ 3,750.00		
	Construction Administration/Inspection (15%)	%	0.15	\$ 3,750.00	\$ 3,750.00		
	Contingency (10%)	%	0.1	\$ 2,500.00	\$ 2,500.00		
Overpass							\$ 6,000,000.00
	Improvements	LS	1	\$ 6,000,000.00	\$ 6,000,000.00		
Interim Signal							\$ 120,000.00
	Improvements	LS	1	\$ 120,000.00	\$ 120,000.00		
Ramp (O1)							\$ 5,437,222.00
	Improvements	LS	1	\$ 5,437,222.00	\$ 5,437,222.00		
Ramp (O2)							\$ 1,618,757.00
	Improvements	LS	1	\$ 1,618,757.00	\$ 1,618,757.00		
Ramp (O3)							\$ 5,443,097.00
	Improvements	LS	1	\$ 5,443,097.00	\$ 5,443,097.00		
New 2- Lane Collector (F1 & F2)							\$ 3,568,384.00
	F1 Improvements	LS	1	\$ 2,027,194.00	\$ 2,027,194.00		
	F2 Improvements	LS	1	\$ 2,661,190.00	\$ 2,661,190.00		
	One Roundabout Separately Accounted		1	\$ 1,120,000.00	\$ 1,120,000.00		
New 2- Lane Collector (C2 & C3)							\$ 7,423,990.00
	C2 Improvements	LS	1	\$ 4,712,182.00	\$ 4,712,182.00		
	C3 Improvements	LS	1	\$ 2,711,808.00	\$ 2,711,808.00		
New 2- Lane Collector (C1)							\$ 4,032,759.00
	C1 Improvements	LS	1	\$ 4,032,759.00	\$ 4,032,759.00		
New 2- Lane Collector (M1 & M2)							\$ 3,574,111.00
	M1 Improvements	LS	1	\$ 4,653,505.00	\$ 4,653,505.00		
	M2 Improvements	LS	1	\$ 1,160,606.00	\$ 1,160,606.00		
	Two Roundabouts Separately Accounted		2	\$ 1,120,000.00	\$ 2,240,000.00		
New 5-Lane Arterial (M4)							\$ 1,388,633.00
	M4 Improvements	LS	1	\$ 1,388,633.00	\$ 1,388,633.00		
Murphy Corridor Roundabout (CC)							\$ 415,000.00 Adjusted to match
	Roundabout CC	LS	1	\$ 266,000.00	\$ 266,000.00		
	Contingency (30%)	LS	1	\$ 79,800.00	\$ 79,800.00		
	Engineering/Surveying (20%)*	LS	1	\$ 69,160.00	\$ 69,160.00		
Murphy Corridor Roundabout (B)							\$ 350,000.00 Adjusted to match
	Roundabout B	LS	1	\$ 224,000.00	\$ 224,000.00		
	Contingency (30%)	LS	1	\$ 67,200.00	\$ 67,200.00		
	Engineering/Surveying (20%)*	LS	1	\$ 58,240.00	\$ 58,240.00		

* Murphy Corridor Study cost estimates
Engineering percentage of the Contingency +
Construction cost.