Appendix H: Planning Level Cost Estimate

WILMAPCO
Cost Estimate

Contract Title: Augustine Cut Off Multimodal Improvements Study - Alternative 1
Contract ID:
Date: 9/5/2025
Primavera No:
Federal Aid No:
Specification Year: January 2025
Construction Details: 2025
Contract Description:
County: New Castle

Special Provision

Item No.	Item Description	Qty	Unit	Unit Price	Ext Amount
201000	CLEARING AND GRUBBING	1	LS	$40,000.00	$ 40,000.00
202000	EXCAVATION AND EMBANKMENT	10,622	CY	$30.00	$ 318,660.00
209006	BORROW, TYPE F	1,062	CY	$25.00	$ 26,555.00
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS	$50,000.00	$ 50,000.00
301001	GABC	6,144	CY	$90.00	$ 552,960.00
301002	GABC, PATCHING	38	CY	$150.00	$ 5,700.00
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,358	TON	$125.00	$ 294,750.00
401014	SUPERPAVE TYPE B, PG 64-22	5,746	TON	$120.00	$ 689,520.00
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	20	TON	$250.00	$ 5,000.00
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	65	TON	$250.00	$ 16,250.00
701012	PCC CURB, TYPE 1-6	1,600	LF	$45.00	$ 72,000.00
701013	PCC CURB, TYPE 1-8	114	LF	$50.00	$ 5,700.00
701014	PCC CURB, TYPE 2	1,195	LF	$40.00	$ 47,800.00
701017	I.PCC CURB AND GUTTER, TYPE 1-6	8,182	LF	$40.00	$ 327,280.00
701025	PCC CURB TYPE 2 ROUNDABOUT	1,159	LF	$50.00	$ 57,950.00
701027	PCC CURB, TYPE 1-2 ROUNDABOUT	189	LF	$60.00	$ 11,340.00
705001	PCC SIDEWALK, 4"	17,738	SF	$10.00	$ 177,380.00
705002	PCC SIDEWALK, 6"	3,255	SF	$12.50	$ 40,687.50
705008	PEDESTRIAN CONNECTION, TYPE 1	1,924	SF	$25.00	$ 48,100.00
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,299	SF	$30.00	$ 38,970.00
705010	PEDESTRIAN CONNECTION, TYPE 5	583	SF	$35.00	$ 20,405.00
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	780	SF	$40.00	$ 31,200.00
705521	PATTERNED PCC SIDEWALK, 8"	16,386	SF	$40.00	$ 655,440.00
763000	INITIAL EXPENSE/DE-MOBILIZATION	1	LS	$360,000.00	$ 360,000.00
763501	CONSTRUCTION ENGINEERING	1	LS	$360,000.00	$ 360,000.00
801000	MAINTENANCE OF TRAFFIC	1	LS	$890,000.00	$ 890,000.00
908004	TOPSOIL, 6" DEPTH	5,089	SY	$3.00	$ 15,267.00
908016	PERMANENT GRASS SEEDING, SUBDIVISION	5,089	SY	$2.00	$ 10,178.00
N/A	UTILITIES	1	LS	$540,000.00	$ 540,000.00
N/A	LIGHTING	1	LS	$180,000.00	$ 180,000.00
N/A	RRFB CROSSINGS	2	EA	$125,000.00	$ 250,000.00
N/A	DRAINAGE	1	LS	$1,070,000.00	$ 1,070,000.00
N/A	STORMWATER MANAGEMENT	1	LS	$540,000.00	$ 540,000.00
N/A	LANDSCAPING	1	LS	$200,000.00	$ 200,000.00
N/A	SIGNING & STRIPING	1	LS	$180,000.00	$ 180,000.00
				CONTRACTOR ITEMS SUBTOTAL	$ 8,129,092.50
	15%			CONSTRUCTION ENGINEERING	$ 1,219,364.00
	20%			CONTINGENCY	$ 1,625,819.00
				CONSTRUCTION SUBTOTAL	**$ 10,974,275.50**
				TRAFFIC CONTRACTOR AND SUPPLY SUBTOTAL	
				RIGHT-OF-WAY SUBTOTAL	$ 200,000.00
				UTILITIES SUBTOTAL	
				ROUNDED ENGINEER'S ESTIMATE	**$ 11,200,000.00**

WILMAPCO
Cost Estimate

Contract Title: Augustine Cut Off Multimodal Improvements Study - Alternative 2
Contract ID:
Date: 9/5/2025
Primavera No:
Federal Aid No:
Specification Year: January 2025
Construction Details: 2025
Contract Description:
County: New Castle

Special Provision

Item No.	Item Description	Qty	Unit	Unit Price	Ext Amount
201000	CLEARING AND GRUBBING	1	LS	$50,000.00	$ 50,000.00
202000	EXCAVATION AND EMBANKMENT	12,293	CY	$30.00	$ 368,790.00
209006	BORROW, TYPE F	1,229	CY	$25.00	$ 30,732.50
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS	$50,000.00	$ 50,000.00
301001	GABC	6,595	CY	$90.00	$ 593,550.00
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,339	TON	$125.00	$ 292,375.00
401014	SUPERPAVE TYPE B, PG 64-22	7,663	TON	$120.00	$ 919,560.00
701012	PCC CURB, TYPE 1-6	4,835	LF	$45.00	$ 217,575.00
701013	PCC CURB, TYPE 1-8	114	LF	$50.00	$ 5,700.00
701014	PCC CURB, TYPE 2	1,284	LF	$40.00	$ 51,360.00
701017	I.PCC CURB AND GUTTER, TYPE 1-6	8,379	LF	$40.00	$ 335,160.00
701025	PCC CURB TYPE 2 ROUNDABOUT	1,037	LF	$50.00	$ 51,850.00
701027	PCC CURB, TYPE 1-2 ROUNDABOUT	189	LF	$60.00	$ 11,340.00
7015xx	CURB DELINEATOR SYSTEM	320	LF	$85.00	$ 27,200.00
705001	PCC SIDEWALK, 4"	40,638	SF	$10.00	$ 406,380.00
705002	PCC SIDEWALK, 6"	2,379	SF	$12.50	$ 29,737.50
705008	PEDESTRIAN CONNECTION, TYPE 1	1,261	SF	$25.00	$ 31,525.00
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	942	SF	$30.00	$ 28,260.00
705010	PEDESTRIAN CONNECTION, TYPE 5	677	SF	$35.00	$ 23,695.00
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	1,160	SF	$40.00	$ 46,400.00
705521	PATTERNED PCC SIDEWALK, 8"	16,887	SF	$40.00	$ 675,480.00
763000	INITIAL EXPENSE/DE-MOBILIZATION	1	LS	$430,000.00	$ 430,000.00
763501	CONSTRUCTION ENGINEERING	1	LS	$430,000.00	$ 430,000.00
801000	MAINTENANCE OF TRAFFIC	1	LS	$1,290,000.00	$ 1,290,000.00
908004	TOPSOIL, 6" DEPTH	4,521	SY	$3.00	$ 13,563.00
908016	PERMANENT GRASS SEEDING, SUBDIVISION	4,521	SY	$2.00	$ 9,042.00
N/A	UTILITIES	1	LS	$650,000.00	$ 650,000.00
N/A	LIGHTING	1	LS	$220,000.00	$ 220,000.00
N/A	RRFB CROSSINGS	2	EA	$125,000.00	$ 250,000.00
N/A	DRAINAGE	1	LS	$1,290,000.00	$ 1,290,000.00
N/A	STORMWATER MANAGEMENT	1	LS	$650,000.00	$ 650,000.00
N/A	LANDSCAPING	1	LS	$200,000.00	$ 200,000.00
N/A	SIGNING & STRIPING	1	LS	$430,000.00	$ 430,000.00
				CONTRACTOR ITEMS SUBTOTAL	$ 10,109,275.00
		15%		CONSTRUCTION ENGINEERING	$ 1,516,392.00
		20%		CONTINGENCY	$ 2,021,855.00
				CONSTRUCTION SUBTOTAL	$ 13,647,522.00
				TRAFFIC CONTRACTOR AND SUPPLY SUBTOTAL	
				RIGHT-OF-WAY SUBTOTAL	$ 500,000.00
				UTILITIES SUBTOTAL	
				ROUNDED ENGINEER'S ESTIMATE	$ 14,200,000.00

WILMAPCO
Cost Estimate

Contract Title: Augustine Cut Off Multimodal Improvements Study - Alternative 3
Contract ID:
Primavera No:
Federal Aid No:
Specification Year: January 2025
Construction Details: 2025
Contract Description:
County: New Castle

Date: 9/5/2025

Special Provision

Item No.	Item Description	Qty	Unit	Unit Price	Ext Amount
201000	CLEARING AND GRUBBING	1	LS	$40,000.00	$ 40,000.00
202000	EXCAVATION AND EMBANKMENT	9,457	CY	$30.00	$ 283,710.00
209006	BORROW, TYPE F	946	CY	$25.00	$ 23,642.50
211000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS	$50,000.00	$ 50,000.00
301001	GABC	5,552	CY	$90.00	$ 499,680.00
301002	GABC, PATCHING	38	CY	$150.00	$ 5,700.00
401005	SUPERPAVE TYPE C, PG 64-22 (CARBONATE STONE)	2,237	TON	$125.00	$ 279,625.00
401014	SUPERPAVE TYPE B, PG 64-22	5,231	TON	$120.00	$ 627,720.00
401029	SUPERPAVE TYPE C, PG 64-22, PATCHING	20	TON	$250.00	$ 5,000.00
401030	SUPERPAVE TYPE B, PG 64-22, PATCHING	65	TON	$250.00	$ 16,250.00
701012	PCC CURB, TYPE 1-6	1,540	LF	$45.00	$ 69,300.00
701013	PCC CURB, TYPE 1-8	114	LF	$50.00	$ 5,700.00
701014	PCC CURB, TYPE 2	200	LF	$40.00	$ 8,000.00
701017	I.PCC CURB AND GUTTER, TYPE 1-6	8,447	LF	$40.00	$ 337,880.00
701025	PCC CURB TYPE 2 ROUNDABOUT	616	LF	$50.00	$ 30,800.00
701027	PCC CURB, TYPE 1-2 ROUNDABOUT	189	LF	$60.00	$ 11,340.00
705001	PCC SIDEWALK, 4"	10,212	SF	$10.00	$ 102,120.00
705002	PCC SIDEWALK, 6"	3,260	SF	$12.50	$ 40,750.00
705008	PEDESTRIAN CONNECTION, TYPE 1	2,034	SF	$25.00	$ 50,850.00
705009	PEDESTRIAN CONNECTION, TYPE 2, 3, AND/OR 4	1,222	SF	$30.00	$ 36,660.00
705010	PEDESTRIAN CONNECTION, TYPE 5	438	SF	$35.00	$ 15,330.00
705013	TRUNCATED DOME DETECTABLE WARNING SURFACE	780	SF	$40.00	$ 31,200.00
705521	PATTERNED PCC SIDEWALK, 8"	10,151	SF	$40.00	$ 406,040.00
763000	INITIAL EXPENSE/DE-MOBILIZATION	1	LS	$300,000.00	$ 300,000.00
763501	CONSTRUCTION ENGINEERING	1	LS	$300,000.00	$ 300,000.00
801000	MAINTENANCE OF TRAFFIC	1	LS	$750,000.00	$ 750,000.00
908004	TOPSOIL, 6" DEPTH	3,423	SY	$3.00	$ 10,269.00
908016	PERMANENT GRASS SEEDING, SUBDIVISION	3,423	SY	$2.00	$ 6,846.00
N/A	UTILITIES	1	LS	$450,000.00	$ 450,000.00
N/A	LIGHTING	1	LS	$150,000.00	$ 150,000.00
N/A	RRFB CROSSINGS	2	EA	$125,000.00	$ 250,000.00
N/A	DRAINAGE	1	LS	$900,000.00	$ 900,000.00
N/A	STORMWATER MANAGEMENT	1	LS	$450,000.00	$ 450,000.00
N/A	LANDSCAPING	1	LS	$200,000.00	$ 200,000.00
N/A	SIGNING & STRIPING	1	LS	$150,000.00	$ 150,000.00
				CONTRACTOR ITEMS SUBTOTAL	$ 6,894,412.50
			15%	CONSTRUCTION ENGINEERING	$ 1,034,162.00
			20%	CONTINGENCY	$ 1,378,883.00
				CONSTRUCTION SUBTOTAL	$ 9,307,457.50
				TRAFFIC CONTRACTOR AND SUPPLY SUBTOTAL	
				RIGHT-OF-WAY SUBTOTAL	$ 150,000.00
				UTILITIES SUBTOTAL	
				ROUNDED ENGINEER'S ESTIMATE	$ 9,500,000.00