

Project:

Wrightsville Blvd, Phase 1 & 2 - Water and Stormwater Improvements

American Engineering

830 Greenbrier Circle, Suite 110, Chesapeake, VA 23320

ITEM # and DESCRIPTION	Length/Quantity	Engineer's Post-Design Estimate			Fred Smith Company			Hatchell Construction, Inc			Barnhill Contracting Company		
		Street & Drainage Cost	Waterline Cost	TOTAL COST	Street & Drainage Cost	Waterline Cost	TOTAL COST	Street & Drainage Cost	Waterline Cost	TOTAL COST	Street & Drainage Cost	Waterline Cost	TOTAL COST
<p>Wrightsville Blvd Phase 1: The work includes the overlay and reconstruction of pavement storm drainage piping and grading improvements and asbestos cement pipe replacements. Concrete work will also include partial removal and construction of existing driveway segments as necessary, and construction or replacement of curb & gutter at specified intersections. Storm drainage improvements will be installed, including HDPE pipe and "sock drain", associated drainage structures, and grass swales within the entire project area. Existing 6" asbestos-cement water main will be replaced with PVC pipe, including fittings, valves, fire hydrant assemblies, tees of side street mains and transfer of all water services from the existing main to the new main. All areas shall include incidental clearing, pavement cuts/patch, reseeding and restoration, etc.</p> <p>Wrightsville Blvd Phase 2: The approximate total length of pavement overlay/reconstruction is 1,940 linear feet (LF); length of water main replacement is approximately 1,720 LF; and length of stormwater pipe is approximately 3,460 LF.</p>													
1	Base Bid (non-water)			\$1,409,314.00	\$1,976,207.00	\$1,976,207.00	\$1,600,000.00		\$1,600,000.00		\$2,044,003.00		\$2,044,003.00
2	Base Bid (water work)		\$756,764.00	\$756,764.00		\$494,895.00		\$600,000.00	\$600,000.00			\$466,800.00	\$466,800.00
3	Total Base Bid			\$2,166,078.00		\$2,471,102.00			\$2,200,000.00				\$2,510,803.00
4	Base Bid Silt Fence	500	\$5,000.00	\$5,000.00		\$2,295.00		\$2,500.00	\$2,500.00			\$2,300.00	\$2,300.00
5	Base Bid Watering	25	\$25,000.00	\$25,000.00		\$21,498.00		\$13,750.00	\$13,750.00			\$24,375.00	\$24,375.00
6	Total Wrightsville Blvd Phase 1, Base Bid			\$2,196,078.00		\$2,494,895.00			\$2,216,250.00				\$2,537,478.00
7	Alternate A Lump Sum Work (non-water)		\$923,705.00	\$923,705.00	\$1,493,925.00	\$1,493,925.00	\$1,250,000.00		\$1,250,000.00		\$1,468,824.00		\$1,468,824.00
8	Alternate A Lump Sum Work (water)		\$640,605.00	\$640,605.00		\$775,000.00		\$550,000.00	\$550,000.00		\$710,974.00		\$710,974.00
9	Total Alternate A Lump Sum Work			\$1,564,310.00		\$2,268,925.00			\$1,800,000.00				\$2,179,798.00
10	Alternate A Silt Fence	500	\$5,000.00	\$5,000.00		\$2,275.00		\$2,500.00	\$2,500.00			\$2,300.00	\$2,300.00
11	Alternate A Watering	25	\$25,000.00	\$25,000.00		\$21,450.00		\$13,750.00	\$13,750.00			\$15,625.00	\$15,625.00
12	Total Alternate A, Wrightsville Blvd Phase 2			\$1,594,310.00		\$2,292,650.00			\$1,816,250.00				\$2,197,723.00
13	Total Bid			\$3,790,388.00		\$4,787,545.00			\$4,032,500.00				\$4,735,201.00

Wrightsville Blvd Phase 1 & Phase 2	\$2,333,019.00	\$1,457,369.00	\$3,790,388.00	\$3,470,132.00	\$1,317,413.00	\$4,787,545.00	\$2,850,000.00	\$1,182,500.00	\$4,032,500.00	\$3,512,827.00	\$1,222,374.00	\$4,735,201.00
Wrightsville Blvd Phase 1	\$1,409,314.00	\$786,764.00	\$2,196,078.00	\$1,976,207.00	\$518,688.00	\$2,494,895.00	\$1,600,000.00	\$616,250.00	\$2,216,250.00	\$2,044,003.00	\$493,475.00	\$2,537,478.00

Bid Requirements Checkoff:	Contractor's License Number Indicated?	✓	✓	✓
	Bid Bond Provided?	✓	✓	✓
	Minority Participation Information Provided?	✓	✓	✓
	Liability Insurance Information Provided?	✓	✓	✓
	Worker's Compensation Information Provided?	✓	✓	✓
	Receipt Acknowledged of Addenda #1 through #7?	✓	✓	✓

Total Contract, if Awarded by BOC:	\$3,790,388.00	\$4,787,545.00	\$4,032,500.00	\$4,735,201.00
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ALLOWANCE FOR CONTINGENCIES AND USE OF UNIT PRICE ITEMS AT 5 PERCENT for NON-WATER WORK AND 5 PERCENT for WATER WORK												
	Street & Drainage	Waterline	Total									
	\$116,650.95	\$72,868.45	\$189,520.00	\$173,506.60	\$65,870.65	\$239,378.00	\$142,500.00	\$59,125.00	\$201,625.00	\$175,641.35	\$61,118.70	\$236,761.00
ENGINEERING COSTS, CONSTRUCTION PHASE (CONTRACT ADMINISTRATION, SURVEY STAKEOUT, SURVEY AS-BUILT DRAINAGE STRUCTURE RIMS & INVERTS)												
	\$98,630.00	\$42,270.00	\$140,900.00	\$98,630.00	\$42,270.00	\$140,900.00	\$98,630.00	\$42,270.00	\$140,900.00	\$98,630.00	\$42,270.00	\$140,900.00

ESTIMATED TOTAL CONSTRUCTION COST BY PROJECT, including BASE BID, ALTERNATES marked above as "Accepted? YES," potential cost of WATER LINE ADJUSTMENTS, allowance for CONTINGENCIES & USE OF UNIT PRICE ITEMS, and CONSTRUCTION-PHASE ENGINEERING												
Wrightsville Blvd Phase 1 and Phase 2	Engineer's Post-Design Estimate			Fred Smith Company			Hatchell Construction, Inc			Barnhill Contracting Company		
	Street & Drainage Cost	Water Cost	TOTAL COST	Street & Drainage Cost	Water Cost	TOTAL COST	Street & Drainage Cost	Water Cost	TOTAL COST	Street & Drainage Cost	Water Cost	TOTAL COST
	\$2,548,299.95	\$1,572,507.45	\$4,120,807.40	\$3,742,268.60	\$1,425,553.65	\$5,167,822.25	\$3,091,130.00	\$1,283,895.00	\$4,375,025.00	\$3,787,098.35	\$1,325,762.70	\$5,112,861.05
Total Bid, all costs	\$4,120,807.40			\$5,167,822.25			\$4,375,025.00			\$5,112,861.05		

ALLOWANCE FOR CONTINGENCIES AND USE OF UNIT PRICE ITEMS AT			5 PERCENT for NON-WATER WORK AND			5 PERCENT for WATER WORK					
Street & Drainage	Waterline	Total	Street & Drainage	Waterline	Total	Street & Drainage	Waterline	Total	Street & Drainage	Waterline	Total
\$70,465.70	\$39,338.20	\$109,804.00	\$98,810.35	\$25,934.40	\$124,745.00	\$80,000.00	\$30,812.50	\$110,813.00	\$102,200.15	\$24,673.75	\$126,874.00

ENGINEERING COSTS, CONSTRUCTION PHASE (CONTRACT ADMINISTRATION, SURVEY STAKEOUT, SURVEY AS-BUILT DRAINAGE STRUCTURE RIMS & INVERTS)											
Street & Drainage	Waterline	Total	Street & Drainage	Waterline	Total	Street & Drainage	Waterline	Total	Street & Drainage	Waterline	Total
\$51,000.00	\$34,000.00	\$85,000.00	\$51,000.00	\$34,000.00	\$85,000.00	\$51,000.00	\$34,000.00	\$85,000.00	\$51,000.00	\$34,000.00	\$85,000.00

ESTIMATED TOTAL CONSTRUCTION COST BY PROJECT, including BASE BID, ALTERNATES marked above as "Accepted? YES," potential cost of WATER LINE ADJUSTMENTS, allowance for CONTINGENCIES & USE OF UNIT PRICE ITEMS, and CONSTRUCTION-PHASE ENGINEERING												
Wrightsville Blvd Phase 1 ONLY	Engineer's Post-Design Estimate			Fred Smith Company			Hatchell Construction, Inc			Barnhill Contracting Company		
	Street & Drainage Cost	Water Cost	TOTAL COST	Street & Drainage Cost	Water Cost	TOTAL COST	Street & Drainage Cost	Water Cost	TOTAL COST	Street & Drainage Cost	Water Cost	TOTAL COST
	\$1,530,779.70	\$860,102.20	\$2,390,881.90	\$2,126,017.35	\$578,622.40	\$2,704,639.75	\$1,731,000.00	\$681,062.50	\$2,412,062.50	\$2,197,203.15	\$552,148.75	\$2,749,351.90
Total Bid, all costs	\$2,390,881.90		\$2,704,639.75		\$2,412,062.50		\$2,749,351.90					