



PROJECT TITLE/LOCATION Route 22 West and North Drive Sanitary Sewer Rehabilitation
 PROJECT MANAGER Kyle A. Smith, P.E., C.M.E. CLIENT Borough of North Plainfield
 PREPARED BY John MacMinn CHECKED BY Bryan Oakes Jr., PE
 DATE OF ESTIMATE March 8, 2018

ATTACHMENT A
PROGRAM YEAR 2018 COMMUNITY DEVELOPMENT BLOCK GRANT CONSTRUCTION COST ESTIMATE

| ITEM | DESCRIPTION | Quantity | | Total Cost | |
|------|---|----------|------|---------------|---------------|
| | | Amount | Unit | Unit Price \$ | Total Cost \$ |
| 1 | For Mobilization of Equipment, Materials, and Labor | 1 | L.S. | \$ 5,000.00 | \$ 5,000.00 |
| 2 | For Test Pits (If and Where Directed) | 2 | C.Y. | \$ 1,200.00 | \$ 2,400.00 |
| 3 | For Constructing 48-inch Diameter Precast Sanitary Sewer Manholes (All Depths) | 3 | Ea. | \$ 6,000.00 | \$ 18,000.00 |
| 4 | For Selective Demolition, Removal, and Disposal of Sanitary Sewer Pipe | 300 | L.F. | \$ 10.00 | \$ 3,000.00 |
| 5 | For Furnishing, Laying, Jointing, and Bypassing Gravity Sewer Pipe including Stone Bedding, Excavation, Backfill, Compaction, and Dewatering | | | | |
| 5a | For 8-inch Diameter SDR-35 PVC Sanitary Sewer Main (All Depths) | 300 | L.F. | \$ 150.00 | \$ 45,000.00 |
| 5b | For 4-inch Diameter SDR-35 PVC Sanitary Sewer Laterals (All Depths) | 5 | L.F. | \$ 140.00 | \$ 700.00 |
| 6 | For Branch Connections | | | | |
| 6a | For 8-inch by 4-inch Diameter Sanitary Sewer Branch Connection | 1 | Ea. | \$ 700.00 | \$ 700.00 |
| 6b | For Reconnecting Existing Sanitary Sewer Service Laterals | 1 | Ea. | \$ 400.00 | \$ 400.00 |
| 7 | For Furnishing and Placing Imported Bank Run Sand and Gravel Backfill (If and Where Directed) | 20 | C.Y. | \$ 50.00 | \$ 1,000.00 |
| 8 | For Furnishing and Placing Concrete for Pipelines (Including Forms) | 30 | C.Y. | \$ 150.00 | \$ 4,500.00 |
| 9 | For Concrete Curbing Replacement | 270 | L.F. | \$ 50.00 | \$ 13,500.00 |
| 10 | For Pavement Replacement | | | | |
| 10a | For Temporary Pavement Replacement in State Highway - Gravity Sanitary Sewer Main Trench | 80 | L.F. | \$ 50.00 | \$ 4,000.00 |
| 10b | For Temporary Pavement Replacement in Parking Lot - Gravity Sanitary Sewer Lateral Trench | 5 | L.F. | \$ 40.00 | \$ 200.00 |
| 10c | For Permanent Pavement Replacement in State Highway - Gravity Sanitary Sewer Main Trench | 80 | L.F. | \$ 50.00 | \$ 4,000.00 |
| 10d | For Permanent Pavement Replacement in Parking Lot - Gravity Sanitary Sewer Lateral Trench | 5 | L.F. | \$ 40.00 | \$ 200.00 |
| 10e | For Temporary In-Kind Replacement of Traffic Striping and Markings | 1 | L.S. | \$ 1,200.00 | \$ 1,200.00 |
| 10f | For Permanent In-Kind Replacement of Traffic Striping and Markings | 1 | L.S. | \$ 1,800.00 | \$ 1,800.00 |
| 11 | For Sidewalk Replacement | | | | |
| 11a | For Temporary Concrete Sidewalk Replacement - Gravity Sanitary Sewer Main Trench | 80 | S.Y. | \$ 40.00 | \$ 3,200.00 |
| 11b | For Permanent Concrete Sidewalk Replacement - Gravity Sanitary Sewer Main Trench | 80 | S.Y. | \$ 75.00 | \$ 6,000.00 |
| 12 | For Driveway Apron Replacement | | | | |
| 12a | For Temporary Driveway Apron Replacement - Gravity Sanitary Sewer Main Trench | 60 | S.Y. | \$ 40.00 | \$ 2,400.00 |
| 12b | For Permanent Concrete Apron Replacement - Gravity Sanitary Sewer Main Trench | 30 | S.Y. | \$ 80.00 | \$ 2,400.00 |
| 12c | For Permanent Asphalt Apron Replacement - Gravity Sanitary Sewer Main Trench | 30 | S.Y. | \$ 80.00 | \$ 2,400.00 |
| 13 | For Bypass Pumping | 1 | L.S. | \$ 16,100.00 | \$ 16,100.00 |
| 14 | For Traffic Control | | | | |
| 14a | For Implementation of Traffic Control Measures Associated with Sanitary and Storm Sewer Rehabilitation | 1 | L.S. | \$ 23,000.00 | \$ 23,000.00 |

| ITEM | DESCRIPTION | Quantity | | Total Cost | |
|---|---|----------|------|---------------|----------------------|
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| 14b | For Allowance for Traffic Control Provided by the Borough of North Plainfield Police Department | 1 | L.S. | \$ 18,000.00 | \$ 18,000.00 |
| 15 | Allowance for Unforeseen Conditions | 1 | L.S. | \$ 10,000.00 | \$ 10,000.00 |
| Base Estimated Total Construction Cost (Sum of Items 1 through 15) : | | | | | \$ 189,100.00 |
| Construction Cost Contingency (20% of the Sum of Items 2 through 14a, Excluding Mobilization and Allowances) : | | | | | \$ 31,200.00 |
| Total Estimated Project Construction Cost (Includes Contingency, Rounded Up to Nearest Thousand) : | | | | | \$ 221,000.00 |

Please note that the scope and quantities for the cost estimate items presented above are based upon a review of findings from preliminary investigations of existing conditions. The actual scope and quantities are anticipated to vary from the estimated values. These items will be revised in accordance with the findings of subsequent investigations of existing conditions within the project extents and with professional engineer recommendations for the rehabilitation of sewer.

TOTAL BUDGET SUMMARY

| Budget Category | Total Program Operating Budget | CDBG Funds | Borough Funds |
|-----------------------------|--------------------------------|----------------------|----------------------|
| A/E Design Fees | \$ 20,000.00 | \$ 10,000.00 | \$ 10,000.00 |
| Project Construction Cost | \$ 221,000.00 | \$ 80,000.00 | \$ 141,000.00 |
| A/E Supervision Costs | \$ 18,000.00 | \$ 10,000.00 | \$ 8,000.00 |
| Bid Advertisement and Award | \$ 3,000.00 | \$ - | \$ 3,000.00 |
| Permitting | \$ 2,000.00 | \$ - | \$ 2,000.00 |
| Project Contingency | \$ 10,000.00 | \$ - | \$ 10,000.00 |
| Total Budget | \$ 274,000.00 | \$ 100,000.00 | \$ 174,000.00 |