



|          |       |   |          |                 | Engineerie          | 3/28/2                      |                     |                             | Dadmash             | er Brothers                 |                     | - 0 Cama Ina               | IM Fabau             | Comptunation                |
|----------|-------|---|----------|-----------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|-----------------------------|---------------------|----------------------------|----------------------|-----------------------------|
|          |       | † Non-Participating items   |          |                 |                     | Estimate of<br>ole Cost     |                     | ruction Company<br>ble Cost |                     | ng Co. Inc                  | Emery Sap           | p & Sons, Inc.             |                      | Construction npany          |
| ITEM     | SPEC. | 7 Hon-i antiopating terms   |          | ESTIMATED       | UNIT                | ole Cost                    | UNIT                | DIE COST                    | UNIT                | ng co. mc                   | UNIT                |                            | UNIT                 | прапу                       |
| NO.      |       | DESCRIPTION   | UNIT     | QUANTITY        | PRICE               | AMOUNT                      | PRICE               | AMOUNT                      | PRICE               | AMOUNT                      | PRICE               | AMOUNT                     | PRICE                | AMOUNT                      |
| 1        |       | Mobilization  | LS       | 1               | \$1,295,777.44      | \$1,295,777.44              | \$2,036,725.93      | \$2,036,725.93              | \$1,410,000.00      | \$1,410,000.00              | \$1,603,698.00      | \$1,603,698.00             | \$1,050,000.00       | \$1,050,000.00              |
| 2        |       | Contractor Surveying and Staking  | LS       | 1               | \$200,000.00        | \$200,000.00                | \$140,000.00        | \$140,000.00                | \$100,000.00        | \$100,000.00                | \$148,149.46        | \$148,149.46               | \$102,000.00         | \$102,000.00                |
| 3        |       | Clearing and Grubbing (Plan Quantity)   | Acre     | 40              | \$3.000.00          | \$120,000.00                | \$3.051.50          | \$122.060.00                | \$4.000.00          | \$160,000.00                | \$5.350.00          | \$214.000.00               | \$3.900.00           | \$156,000.00                |
| 4        |       | Demolition and Removals   | LS       | 1               | \$500,000.00        | \$500,000.00                | \$468,430.03        | \$468,430.03                | \$550,000.00        | \$550,000.00                | \$919,618.00        | \$919,618.00               | \$366,000.00         | \$366,000.00                |
| 5        |       | Unclassified Excavation (Plan Quantity)   | CY       | 54,824          | \$15.00             | \$822,360.00                | \$11.47             | \$628,831.28                | \$14.00             | \$767,536.00                | \$9.00              | \$493,416.00               | \$26.50              | \$1,452,836.00              |
| 6        |       | Embankment (with Excavated Material) (Plan Quantity)  | CY       | 41,118          | \$6.50              | \$267,267.00                | \$0.01              | \$411.18                    | \$2.50              | \$102,795.00                | \$12.00             | \$493,416.00               | \$3.25               | \$133,633.50                |
| 7        | 2100  | Embankment (Borrow) (Plan Quantity)   | CY       | 42,202          | \$18.00             | \$759,636.00                | \$5.27              | \$222,404.54                | \$22.00             | \$928,444.00                | \$5.00              | \$211,010.00               | \$26.25              | \$1,107,802.50              |
| 8        |       | Select Embankment (Plan Quantity)   | CY       | 505             | \$25.00             | \$12,625.00                 | \$23.55             | \$11,892.75                 | \$68.00             | \$34,340.00                 | \$18.00             | \$9,090.00                 | \$33.50              | \$16,917.50                 |
| 9        | 2100  | Undergrading and Backfill   | CY       | 16,257          | \$30.00             | \$487,710.00                | \$10.30             | \$167,447.10                | \$1.00              | \$16,257.00                 | \$21.00             | \$341,397.00               | \$67.25              | \$1,093,283.25              |
| 10       | 2100  | Undergrading and Stone Backfill   | CY       | 500             | \$50.00             | \$25,000.00                 | \$112.68            | \$56,340.00                 | \$40.00             | \$20,000.00                 | \$51.00             | \$25,500.00                | \$125.50             | \$62,750.00                 |
| 11       | 2150  | Concrete Washout  | EA       | 3               | \$625.00            | \$1,875.00                  | \$7,465.50          | \$22,396.50                 | \$4,100.00          | \$12,300.00                 | \$1,840.00          | \$5,520.00                 | \$2,700.00           | \$8,100.00                  |
| 12       |       | Tree Fencing Protection   | LF       | 4,768           | \$7.50              | \$35,760.00                 | \$5.00              | \$23,840.00                 | \$2.60              | \$12,396.80                 | \$6.00              | \$28,608.00                | \$3.25               | \$15,496.00                 |
| 13       |       | Rock Ditch Check  | EA       | 170             | \$150.00            | \$25,500.00                 | \$300.00            | \$51,000.00                 | \$260.00            | \$44,200.00                 | \$913.00            | \$155,210.00               | \$426.25             | \$72,462.50                 |
| 14       |       | Inlet Protection  | EA       | 75              | \$65.00             | \$4,875.00                  | \$68.00             | \$5,100.00                  | \$63.00             | \$4,725.00                  | \$77.00             | \$5,775.00                 | \$101.25             | \$7,593.75                  |
| 15       |       | Silt Fence  | LF       | 10,914          | \$7.50              | \$81,855.00                 | \$1.15              | \$12,551.10                 | \$1.30              | \$14,188.20                 | \$1.00              | \$10,914.00                | \$2.25               | \$24,556.50                 |
| 16       |       | Sediment Removal and Disposal   | CY<br>SY | 499             | \$6.25              | \$3,118.75                  | \$54.76             | \$27,325.24                 | \$23.00<br>\$5.50   | \$11,477.00                 | \$23.00             | \$11,477.00                | \$80.00              | \$39,920.00                 |
| 17       |       | Permanent Turf Reinforcement Mat (APWA Class 2, Type H)   | SY       | 1,765<br>11.167 | \$20.00<br>\$16.00  | \$35,300.00                 | \$5.36              | \$9,460.40                  | \$5.50<br>\$13.30   | \$9,707.50                  | \$9.00<br>\$9.00    | \$15,885.00                | \$6.50<br>\$13.75    | \$11,472.50                 |
| 18       |       | 7" MoDOT Type 5 Aggregate Base Course (Plan Quantity)   | SY       | ,               | \$16.00<br>\$13.50  | \$178,672.00                | \$12.14             | \$135,567.38                | \$13.30<br>\$12.20  | \$148,521.10                | \$9.00              | \$100,503.00               | \$13.75<br>\$11.75   | \$153,546.25                |
| 20       |       | 6" MoDOT Type 5 Aggregate Base Course (Plan Quantity) 4" MoDOT Type 5 Aggregate Base Course (Plan Quantity) | SY       | 54,134<br>1,398 | \$13.50             | \$730,809.00<br>\$13,980.00 | \$11.28<br>\$16.95  | \$610,631.52<br>\$23,696.10 | \$12.20             | \$660,434.80<br>\$17,754.60 | \$9.00              | \$487,206.00<br>\$9,786.00 | \$11.75<br>\$15.50   | \$636,074.50<br>\$21,669.00 |
| 21       |       | 3.5" MoDOT Type 5 Aggregate Base Course (Plan Quantity)   | SY       | 36              | \$10.00             | \$13,960.00                 | \$15.67             | \$564.12                    | \$12.70             | \$716.40                    | \$25.00             | \$9,786.00                 | \$20.25              | \$729.00                    |
| 22       |       | 3" MoDOT Type 5 Aggregate Base Course (Plan Quantity)   | SY       | 11.023          | \$9.00              | \$99,207.00                 | \$12.69             | \$139.881.87                | \$5.40              | \$59.524.20                 | \$2.00              | \$22.046.00                | \$19.00              | \$209,437,00                |
| 23       |       | 2.5" MoDOT Type 5 Aggregate Base Course (Plan Quantity)   | SY       | 21              | \$9.00              | \$189.00                    | \$11.51             | \$241.71                    | \$5.00              | \$105.00                    | \$20.00             | \$420.00                   | \$31.00              | \$651.00                    |
| 24       |       | 2" MoDOT Type 5 Aggregate Base Course (Plan Quantity)   | SY       | 190             | \$8.00              | \$1,520.00                  | \$8.48              | \$1,611.20                  | \$4.30              | \$817.00                    | \$6.00              | \$1,140.00                 | \$32.50              | \$6,175.00                  |
| 25       |       | Geogrid Subgrade Stabilization (Plan Quantity)  | SY       | 64,770          | \$5.00              | \$323,850.00                | \$2.66              | \$172,288.20                | \$2.70              | \$174,879.00                | \$2.00              | \$129,540.00               | \$2.75               | \$178,117.50                |
| 26       | 2200  | 2" Asphaltic Concrete Surface (APWA Type 5-01) (Plan Quantity)  | SY       | 7,321           | \$14.00             | \$102,494.00                | \$13.70             | \$100,297.70                | \$14.20             | \$103,958.20                | \$15.00             | \$109,815.00               | \$11.25              | \$82,361.25                 |
| 27       | 2200  | 3" Asphaltic Concrete Surface (APWA Type 5-01) (Plan Quantity)  | SY       | 14,673          | \$14.00             | \$278,787.00                | \$20.00             | \$293,460.00                | \$20.00             | \$293,460.00                | \$15.00             | \$322,806.00               | \$11.25              | \$220,095.00                |
| 28       | 2200  | 4" Asphaltic Concrete Base (APWA Type 2-01) (Plan Quantity)   | SY       | 400             | \$22.00             | \$8,800.00                  | \$26.50             | \$10,600.00                 | \$52.00             | \$20,800.00                 | \$56.00             | \$22,400.00                | \$22.75              | \$9,100.00                  |
| 29       | 2200  | 6" Asphaltic Concrete Base (APWA Type 2-01) (Plan Quantity)   | SY       | 9,217           | \$35.00             | \$322,595.00                | \$30.50             | \$281,118.50                | \$32.00             | \$294,944.00                | \$34.00             | \$313,378.00               | \$28.75              | \$264,988.75                |
| 30       | 2200  | 7.5" Asphaltic Concrete Base (APWA Type 2-01) (Plan Quantity)   | SY       | 1,097           | \$40.00             | \$43,880.00                 | \$38.50             | \$42,234.50                 | \$48.00             | \$52,656.00                 | \$52.00             | \$57,044.00                | \$38.00              | \$41,686.00                 |
| 31       | 2200  | Cold Milling (Plan Quantity)  | SY       | 10.428          | \$4.00              | \$41,712.00                 | \$3.70              | \$38,583,60                 | \$7.40              | \$77.167.20                 | \$8.00              | \$83,424.00                | \$5.00               | \$52.140.00                 |
| 32       |       | 6" P.C.C. Pavement (Plan Quantity)  | SY       | 92              | \$65.00             | \$5,980.00                  | \$55.75             | \$5,129.00                  | \$110.00            | \$10,120.00                 | \$74.00             | \$6,808.00                 | \$112.00             | \$10,304.00                 |
| 33       |       | 8" P.C.C. Pavement (Plan Quantity)  | SY       | 3,694           | \$70.00             | \$258,580.00                | \$82.17             | \$303,535.98                | \$80.00             | \$295,520.00                | \$79.00             | \$291,826.00               | \$81.00              | \$299,214.00                |
| 34       |       | 9" P.C.C. Pavement (Plan Quantity)  | SY       | 36,479          | \$75.00             | \$2,735,925.00              | \$75.95             | \$2,770,580.05              | \$88.00             | \$3,210,152.00              | \$93.00             | \$3,392,547.00             | \$89.00              | \$3,246,631.00              |
| 35       |       | 6" P.C.C. Base (Plan Quantity)  | SY       | 26              | \$80.00             | \$2,080.00                  | \$55.75             | \$1,449.50                  | \$120.00            | \$3,120.00                  | \$74.00             | \$1,924.00                 | \$109.25             | \$2,840.50                  |
| 36       |       | 6.5" P.C.C. Base (Plan Quantity)  | SY       | 14              | \$82.00             | \$1,148.00                  | \$60.03             | \$840.42                    | \$120.00            | \$1,680.00                  | \$91.00             | \$1,274.00                 | \$167.00             | \$2,338.00                  |
| 37       |       | 8" P.C.C. Base (Plan Quantity)  | SY       | 62              | \$85.00             | \$5,270.00                  | \$62.72             | \$3,888.64                  | \$87.00             | \$5,394.00                  | \$88.00             | \$5,456.00                 | \$164.00             | \$10,168.00                 |
| 38       | 2200  | 10" P.C.C. Base (Plan Quantity)   | SY       | 743             | \$87.50             | \$65,012.50                 | \$81.82             | \$60,792.26                 | \$110.00            | \$81,730.00                 | \$86.00             | \$63,898.00                | \$133.00             | \$98,819.00                 |
| 39       |       | Concrete Approach Pavement (Plan Quantity)  | SY       | 350             | \$150.00            | \$52,500.00                 | \$157.06            | \$54,971.00                 | \$130.00            | \$45,500.00                 | \$209.00            | \$73,150.00                | \$231.50             | \$81,025.00                 |
| 40       |       | Concrete Median Strip (Plan Quantity)   | SY       | 73              | \$90.00             | \$6,570.00                  | \$144.25            | \$10,530.25                 | \$75.00             | \$5,475.00                  | \$185.00            | \$13,505.00                | \$147.75             | \$10,785.75                 |
| 41       |       | Curb and Gutter (APWA Type CG-1) (Plan Quantity)  | LF       | 36,192          | \$20.00             | \$723,840.00                | \$25.52             | \$923,619.84                | \$23.00             | \$832,416.00                | \$14.00             | \$506,688.00               | \$30.50              | \$1,103,856.00              |
| 42       |       | 4" Concrete Sidewalk  | SY       | 5,197           | \$55.00             | \$285,835.00                | \$50.33             | \$261,565.01                | \$61.00             | \$317,017.00                | \$61.00             | \$317,017.00               | \$65.50              | \$340,403.50                |
| 43       |       | 6" Concrete Shared-Use-Path   | SY       | 10,218          | \$65.00             | \$664,170.00                | \$61.34             | \$626,772.12                | \$76.00             | \$776,568.00                | \$71.00             | \$725,478.00               | \$81.25              | \$830,212.50                |
| 44       |       | 4" Concrete Sidewalk with Thickened Edge  | SY       | 46              | \$75.00             | \$3,450.00                  | \$179.63            | \$8,262.98                  | \$130.00            | \$5,980.00                  | \$166.00            | \$7,636.00                 | \$100.50             | \$4,623.00                  |
| 45       |       | 6" Concrete Shared-Use-Path with Thickened Edge   | SY       | 181             | \$80.00             | \$14,480.00                 | \$193.68            | \$35,056.08                 | \$99.00             | \$17,919.00                 | \$171.00            | \$30,951.00                | \$111.50             | \$20,181.50                 |
| 46       |       | Sidewalk / Shared-Use Ramp (Type A)   | SY       | 191             | \$100.00            | \$19,100.00                 | \$134.14            | \$25,620.74                 | \$140.00            | \$26,740.00                 | \$168.00            | \$32,088.00                | \$180.00             | \$34,380.00                 |
| 47       |       | Sidewalk / Shared-Use Ramp (Type M)   | SY       | 206             | \$100.00            | \$20,600.00                 | \$144.25            | \$29,715.50                 | \$140.00            | \$28,840.00                 | \$141.00            | \$29,046.00                | \$196.00             | \$40,376.00                 |
| 48       |       | Concrete Pedestrian Median Cut (Plan Quantity)  | SY       | 110             | \$85.00             | \$9,350.00                  | \$144.25            | \$15,867.50                 | \$110.00            | \$12,100.00                 | \$126.00            | \$13,860.00                | \$205.50             | \$22,605.00                 |
| 49<br>50 |       | Retaining Wall Integral with 6" Sidewalk  | LF<br>SY | 41<br>907       | \$300.00<br>\$80.00 | \$12,300.00                 | \$506.13<br>\$76.39 | \$20,751.33                 | \$730.00<br>\$97.00 | \$29,930.00<br>\$87,979.00  | \$237.00<br>\$95.00 | \$9,717.00                 | \$141.25<br>\$112.00 | \$5,791.25                  |
| 51       | _     | 8" Concrete (Commercial Drive)  | SY       | 281             |                     | \$72,560.00                 |                     | \$69,285.73                 |                     | . , ,                       |                     | \$86,165.00                | \$112.00             | \$101,584.00<br>\$39,621.00 |
| 52       |       | 6" Concrete (Residential Drive) 6" Gravel (Residential Drive)   | SY       | 631             | \$75.00<br>\$15.00  | \$21,075.00<br>\$9,465.00   | \$78.53<br>\$12.51  | \$22,066.93<br>\$7,893.81   | \$71.00<br>\$12.20  | \$19,951.00<br>\$7,698.20   | \$78.00<br>\$11.00  | \$21,918.00<br>\$6,941.00  | \$141.00             | \$39,621.00<br>\$19,876.50  |
| 53       |       | Barbed Wire Fence   | LF       | 1.742           | \$20.00             | \$34.840.00                 | \$18.86             | \$32.854.12                 | \$19.90             | \$34.665.80                 | \$25.00             | \$43,550.00                | \$23.50              | \$40.937.00                 |
| 54       |       | Woven Wire Fence  | LF       | 665             | \$35.00             | \$23,275.00                 | \$17.18             | \$11,424.70                 | \$18.10             | \$12,036.50                 | \$27.00             | \$17,955.00                | \$25.50              | \$16,957.50                 |
| 55       |       | Chain Link Fence  | LF       | 326             | \$50.00             | \$16,300.00                 | \$58.45             | \$19,054.70                 | \$62.00             | \$20,212.00                 | \$68.00             | \$22,168.00                | \$64.00              | \$20,864.00                 |
| 56       |       | MGS Guardrail   | LF       | 75              | \$40.00             | \$3,000.00                  | \$28.50             | \$2,137.50                  | \$30.00             | \$2,250.00                  | \$32.00             | \$2,400.00                 | \$30.50              | \$2,287.50                  |
| 57       | 2300  | MGS Long Span Guardrail   | EA       | 2               | \$6,000.00          | \$12,000.00                 | \$3,100.00          | \$6,200.00                  | \$3,300.00          | \$6,600.00                  | \$3,498.00          | \$6,996.00                 | \$3,303.25           | \$6,606.50                  |
| 58       |       | MGS Vertical Barrier Transition   | EA       | 2               | \$4,500.00          | \$9,000.00                  | \$3,800.00          | \$7,600.00                  | \$4,000.00          | \$8,000.00                  | \$4,287.00          | \$8,574.00                 | \$4,050.00           | \$8,100.00                  |
| 59       |       | Type A Crashworthy End Terminal (Mash)  | EA       | 2               | \$7,500.00          | \$15,000.00                 | \$3,075.00          | \$6,150.00                  | \$3,200.00          | \$6,400.00                  | \$3,470.00          | \$6,940.00                 | \$3,277.00           | \$6,554.00                  |





| Process   Proc   |           |  |      |              |              | 3/28/2       |              |                   |             |              |              |                    |                |              |
|--|-----------|--|------|--------------|--------------|--------------|--------------|-------------------|-------------|--------------|--------------|--------------------|----------------|--------------|
| PRINCE   SUSCIPPTION   |           | 4 Nov. Bookleloodlee Moore                                     |      |              |              |              |              |                   |             |              | Emery Sap    | p & Sons, Inc.     |                |              |
| NO   DESCRIPTION   |           |  |      |              |              | ble Cost     |              | ble Cost          |             | ing Co. Inc  |              |                    |                | mpany        |
| 500   Sold   S   |           |  |      |              |              |              |              |                   |             |              |              |                    |                |              |
| 61   200   Seed   Acros   21   82,900.00   852,500.00   83,450.00   872,450.00   857,700.00   858,700.00   859,800.00   859,800.00  |           |  |      | QUANTITY     | PRICE        |              |              |                   |             |              |              | AMOUNT             | PRICE          | AMOUNT       |
| Total   Propagation   Propag   | 60 2400   | Sod  | SY   | 36,895       | \$6.50       | \$239,817.50 | \$5.45       | \$201,077.75      | \$7.40      | \$273,023.00 | \$6.00       | \$221,370.00       | \$8.00         | \$295,160.00 |
| 60   2000   Top   Control Clinton   SV   200   300.000   300.000   300.000   300.000   310.000   310.75   310.000   317.75   310.000   317.75   310.000   317.75   310.000   317.75   310.000   317.75   310.000   317.75   310.000   317.75   310.000   310.75   310.000   317.75  | 61 2400   | Seed   | Acre | 21           | \$2,500.00   | \$52,500.00  | \$3,450.00   | \$72,450.00       | \$3,700.00  | \$77,700.00  | \$3,892.00   | \$81,732.00        | \$2,984.00     | \$62,664.00  |
| 60   7000   Type A Gulter  | 62 2600   | Riprap (D50=18")(32" Thick)                                    | SY   | 1,945        | \$80.00      | \$155,600.00 | \$67.39      | \$131,073.55      | \$94.00     | \$182,830.00 | \$124.00     | \$241,180.00       | \$139.00       | \$270,355.00 |
| 60   2000   Modified Type A Quifer   LiF   233   475.00   \$174.750.0   \$174.750.0   \$25.650.0   \$80.00   \$13.860.0   \$82.650.0   \$10.00   | 63 2600   | Paved Ditch  | SY   | 26           | \$90.00      | \$2,340.00   | \$437.45     | \$11,373.70       | \$330.00    | \$8,580.00   | \$137.00     | \$3,562.00         | \$175.75       | \$4,569.50   |
| Fig.   100   15 Polyproprise Pop (Plan Caustris)   LF   3,987   38,80.0   8313,130   37,00.0   838,70.0   837,00.0   83   | 64 2600   | Type A Gutter  | LF   | 10           | \$75.00      | \$750.00     | \$88.66      | \$886.60          | \$110.00    | \$1,100.00   | \$57.00      | \$570.00           | \$182.75       | \$1,827.50   |
| Fig.   100   15P Polymorpher Piper (Piner Quartify)  | 65 2600   | Modified Type A Gutter   | LF   | 233          | \$75.00      | \$17,475,00  | \$88.66      | \$20,657,78       | \$110.00    | \$25,630,00  | \$60.00      | \$13,980.00        | \$82.50        | \$19,222.50  |
| For   1980   18F Polygroppiem Pipe (Plan Quantity)   | 66 2600   |  | LF   | 3,367        |              |              | \$45.81      |                   | \$100.00    |              |              |                    | \$149.50       | \$503,366.50 |
| 880   387 Polygroppiem Pipe (Pam Quantity)   |           |  | LF   |              |              |              |              |                   |             |              |              |                    |                | \$138,852.00 |
| 600   307 Polyscopytem Pipe (Pian Caurathy)  |           | 31 12 1 ( 37   | I.F. |              | -            |              |              |                   |             |              |              |                    |                | \$151,700.00 |
| 70   200   35 Polyscopylene Pipe (Pipen Cuantity)  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$158,260.00 |
| 77   2000   42P Polypropy/eme Pipe (Plan Cuantity)   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$90,816.00  |
| To 200   IST RC. Pipe (Piper Quantity)   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$117.078.00 |
| 78   2800   39x19   Eliptical R.C. Pipe (Plean Quantity)   |           | 31 12 1 ( 37   |      |              | -            | . ,          |              |                   |             |              |              |                    |                |              |
| 74   2600   387/24 Ellipticial R.C. Pipe (Plan Quantity)   |           | 77   |      |              |              |              |              |                   |             |              |              |                    |                | \$5,379.00   |
| 76   2000   Triple 10% Precast R.C. Box Culvert   Fam Cuantity   LF   135   \$5,000.00   \$730,000.00   \$3.315.27   \$447.561.45   \$3.500.00   \$372.000.00   \$284.500   \$374.500.00   \$384.675.00   \$4.824.50   \$70.000   \$3.000.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$70.000.00   \$735.00   \$384.675.00   \$4.824.50   \$70.000   \$70.000.00   \$   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$12,960.00  |
| Tell   Process   Process   R.C.   Box Culvert   Process   LS   1   \$130,000.00   \$103,000.00   \$109,000.00   \$1898.00   \$110,250.00   \$772,000   \$98,000.00   \$187,560.0   |           | 1 1 1 27   |      |              |              |              |              |                   |             |              |              |                    |                | \$37,465.00  |
| Proceedings   Process  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$651,307.50 |
| R.C. Box Culvert   |           |  | LF   | 125          | \$800.00     | \$100,000.00 | \$898.00     | \$112,250.00      | \$720.00    | \$90,000.00  | \$735.00     | \$91,875.00        | \$1,059.25     | \$132,406.25 |
| Page   Peladwalls, Wingwalls, and Appurtenances for 6X9 Procast R.C.   LS  | 77   2600 |  | LS   | 1            | \$130,000.00 | \$130,000.00 | \$198,281.64 | \$198,281.64      | \$96,100.00 | \$96,100.00  | \$187,564.00 | \$187,564.00       | \$47,000.00    | \$47,000.00  |
| Page   2000 Underdrain   | 78 2600   | Headwalls, Wingwalls, and Appurtenances for 6'x3' Precast R.C. | LS   | 1            | \$30,000.00  | \$30,000.00  | \$83,891.87  | \$83,891.87       | \$28,200.00 | \$28,200.00  | \$54,490.00  | \$54,490.00        | \$23,302.00    | \$23,302.00  |
| 80   2000   15 °R.C. F.E.S. (Plan Quantity)  | 70 0000   |  | 15   | 0.000        | \$0E.00      | ¢70.700.00   | ¢00.71       | <b>600.047.00</b> | #00.00      | 00101000     | 610.00       | <b>♠</b> E0 700 00 | <b>\$06.00</b> | \$70 F00 C0  |
| 81   2600   187 R.C. F.E.S. (Plan Quantity)  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$73,528.00  |
| Record   24 Fig. F.E.S. (Plan Quantity)  |           | 7/   |      |              |              |              |              |                   |             |              |              |                    |                | \$11,130.00  |
| 84   2800   30° R.C. F.E.S. (Plan Quantity)  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$3,414.00   |
| B4   2800   36° R.C. F.E.S. (Plan Quantity)  |           |  |      | 3            |              |              |              |                   |             |              |              |                    |                | \$5,850.00   |
| B8   2800   42° R.C. F.E.S. (Plan Quantity)  | 83 2600   | 30" R.C. F.E.S. (Plan Quantity)                                | EA   | 5            | \$2,200.00   | \$11,000.00  | \$2,234.31   | \$11,171.55       | \$2,200.00  | \$11,000.00  | \$2,183.00   | \$10,915.00        | \$2,010.00     | \$10,050.00  |
| 86   2600   307x10   Elliptical R.C. F.E.S. (Plan Quantity)  | 84 2600   | 36" R.C. F.E.S. (Plan Quantity)                                | EA   | 2            | \$2,300.00   | \$4,600.00   | \$2,792.58   | \$5,585.16        | \$2,800.00  | \$5,600.00   | \$2,877.00   | \$5,754.00         | \$2,694.00     | \$5,388.00   |
| 87   2800   4x3 Curb Inlet (with Sidewalk Haunch)  | 85 2600   | 42" R.C. F.E.S. (Plan Quantity)                                | EA   | 3            | \$3,000.00   | \$9,000.00   | \$3,233.46   | \$9,700.38        | \$3,100.00  | \$9,300.00   | \$3,220.00   | \$9,660.00         | \$2,884.00     | \$8,652.00   |
| 88   2800   4x3 Curb Inlet (with Sidewalk Haunch)  | 86 2600   | 30"x19" Elliptical R.C. F.E.S. (Plan Quantity)                 | EA   | 1            | \$2,000.00   | \$2,000.00   | \$3,021.03   | \$3,021.03        | \$2,300.00  | \$2,300.00   | \$2,099.00   | \$2,099.00         | \$2,075.00     | \$2,075.00   |
| 89   2600   5x3° Curb Inlet   5x5° Curb Inlet  | 87 2600   | 4'x3' Curb Inlet   | EA   | 12           | \$6,150.00   | \$73,800.00  | \$4,161.17   | \$49,934.04       | \$5,200.00  | \$62,400.00  | \$5,992.00   | \$71,904.00        | \$7,200.00     | \$86,400.00  |
| 90 2600 6x3 Curb Inlet (with Sidewalk Haunch) EA 13 \$7,000.00 \$91,000.00 \$5,713.94 \$74,281.22 \$6,200.00 \$80,600.00 \$81,47.00 \$105,911.00 \$2,200.00 \$91,000.00 \$2,400.00 \$7,526.00 \$10,000.0                                     | 88 2600   | 4'x3' Curb Inlet (with Sidewalk Haunch)                        | EA   | 1            | \$6,450.00   | \$6,450.00   | \$4,161.17   | \$4,161.17        | \$5,700.00  | \$5,700.00   | \$5,834.00   | \$5,834.00         | \$7,650.00     | \$7,650.00   |
| 90 2600 6x3 Curb Inlet (with Sidewalk Haunch) EA 13 \$7,000.00 \$91,000.00 \$5,713.94 \$74,281.22 \$6,200.00 \$80,600.00 \$81,47.00 \$105,911.00 \$2,200.00 \$91,000.00 \$2,400.00 \$7,526.00 \$10,000.0                                     |           |  | EA   | 5            |              |              |              | \$22,279,20       | \$5,600,00  | \$28,000,00  | \$6,125,00   | \$30,625,00        |                | \$37,750.00  |
| 91 2600 6'x3' Curb Inlet (with Sidewalk Haunch) EA 2 \$7,400.00 \$14,800.00 \$5,713.95 \$11,427.90 \$11,200.00 \$22,400.00 \$7,526.00 \$15,052.00 \$13,201.00 \$9.000.00 \$10,431.00 \$10,431.00 \$10,043.00 \$10,431.00 \$10,043.00 \$10,431.00 \$10,043.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$10,431.00 \$11,431.00 \$11,431.00 \$10,431.00 \$11,43                                     |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$106,600.00 |
| 92 2600 6'x5' Curb Inlet (with Sidewalk Haunch)  | 91 2600   |  |      |              |              |              |              |                   |             |              |              |                    |                | \$26,402.00  |
| 93         2600         7x3' Curb Inlet         EA         2         \$8,000.00         \$16,000.00         \$4,645.77         \$9,291.54         \$5,800.00         \$11,600.00         \$7,741.00           94         2600         7x4' Curb Inlet (with Sidewalk Haunch)         EA         1         \$8,600.00         \$8,600.00         \$11,108.92         \$11,108.92         \$12,500.00         \$12,500.00         \$13,958.00         \$14,516.00           96         2600         8x3' Curb Inlet (with Sidewalk Haunch)         EA         1         \$9,500.00         \$9,500.00         \$6,586.33         \$15,300.00         \$12,500.00         \$8,710.00         \$13,9376.00         \$9,700.00         \$9,500.00         \$6,586.33         \$15,300.00         \$15,300.00         \$8,324.00         \$9,324.00         \$13,9376.00         \$9,700.00         \$9,500.00         \$6,586.33         \$15,300.00         \$15,300.00         \$8,324.00         \$13,9376.00         \$9,500.00         \$10,488.40         \$41,933.60         \$11,600.00         \$8,324.00         \$9,200.00         \$13,490.00         \$33,990.00         \$13,490.00         \$33,990.00         \$13,490.00         \$33,990.00         \$13,490.00         \$33,990.00         \$13,490.00         \$13,490.00         \$33,990.00         \$13,490.00         \$13,490.00         \$13,490.00         \$13,490.00   |           |  |      | 1            |              |              |              |                   |             |              |              |                    |                | \$10,004.00  |
| 94 2600 7x4' Curb Inlet (with Sidewalk Haunch) EA 1 \$8,600.00 \$14,500.00 \$11,108.92 \$11,500.00 \$12,500.00 \$13,958.00 \$13,                                     |           |  |      | 2            |              |              |              |                   |             |              |              |                    |                | \$15,482.00  |
| 95 2600 8x3 'Curb Inlet (with Sidewalk Haunch) EA 1 \$9,250.00 \$146,000.00 \$6,586.33 \$105,381.28 \$7,000.00 \$112,000.00 \$8,711.00 \$139,376.00 \$9,002.00 \$9,000.00 \$9,500.00 \$6,586.33 \$15,300.00 \$15,300.00 \$15,300.00 \$8,240.00 \$17,304.                                     |           | 1.112  |      | <del> </del> |              |              |              |                   |             |              |              |                    |                | \$14,516.00  |
| 96 2600 8x3 Curb Inlet (with Sidewalk Haunch) EA 1 \$9,500.00 \$9,500.00 \$6,586.33 \$15,300.00 \$15,300.00 \$8,324.00 \$17,304.00 \$97,200 \$11,000.00 \$11,000.00 \$11,000.00 \$13,499.00 \$13,499.00 \$13,591.25 \$98,200.00 \$10,488.40 \$11,953.60 \$11,600.00 \$13,499.00 \$13,499.00 \$13,499.00 \$13,512.55 \$99,200.00 \$1,000.00 \$10,000.00 \$                                    |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$144,032.00 |
| 97 2600 8x4' Curb Inlet (with Sidewalk Haunch) EA 4 \$9,700.00 \$38,800.00 \$10,488.40 \$41,953.60 \$11,600.00 \$46,400.00 \$13,499.00 \$53,996.00 \$13,581.25 \$98 2600 8x5' Curb Inlet   |           |  |      |              |              |              |              |                   |             |              |              |                    |                |              |
| 98 2600 8x5' Curb Inlet  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$17,304.00  |
| 99 2600 4x4' Field Inlet EA 2 \$6,500.00 \$13,000.00 \$4,212.05 \$8,424.10 \$5,900.00 \$11,800.00 \$7,385.00 \$14,770.00 \$7,900.00 \$100 2600 4x3' Junction Box EA 5 \$6,000.00 \$30,000.00 \$3,896.69 \$19,483.45 \$5,600.00 \$28,000.00 \$8,498.00 \$32,490.00 \$7,550.00 \$100 2600 4x3' Junction Box EA 1 \$6,150.00 \$6,150.00 \$6,150.00 \$6,150.00 \$7,900.00 \$8,832.00 \$9,900.00 \$8,249.00 \$8,                      |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$54,325.00  |
| 100         2600         4x3' Junction Box         EA         5         \$6,000.00         \$30,000.00         \$3,896.69         \$19,483.45         \$5,600.00         \$28,000.00         \$32,490.00         \$37,550.00           101         2600         4x4' Junction Box         EA         1         \$6,150.00         \$6,157.33         \$6,157.33         \$7,900.00         \$7,900.00         \$8,832.00         \$8,832.00         \$9,900.00           102         2600         5x4' Junction Box         EA         1         \$6,400.00         \$6,400.00         \$5,964.51         \$7,500.00         \$7,500.00         \$8,249.00         \$9,900.00           103         2600         6x3' Junction Box         EA         1         \$6,750.00         \$6,750.00         \$5,550.13         \$7,000.00         \$7,000.00         \$8,249.00         \$9,015.00           104         2600         Reconstruct Inlet Top         EA         5         \$2,000.00         \$10,000.00         \$2,386.68         \$11,933.40         \$2,300.00         \$1,458.00         \$7,290.00         \$2,541.00           105         2600         Pipe Collar (Type A)         EA         3         \$3,000.00         \$9,000.00         \$13,000         \$13,000         \$13,000         \$13,000.00         \$13,689.00         \$  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$32,182.50  |
| 101   2600   4x4' Junction Box   EA   1   \$6,150.00   \$6,150.00   \$6,157.33   \$7,900.00   \$7,900.00   \$8,832.00   \$8,832.00   \$8,832.00   \$9,900.00   \$10,200   \$2,000   \$2,000   \$2,000   \$1,000   \$2,000   \$1,000   \$2, |           | TXT TIOIS IIIOC  |      |              |              |              |              |                   |             |              |              |                    |                | \$15,800.00  |
| 102         2600         5x4' Junction Box         EA         1         \$6,400.00         \$5,964.51         \$5,964.51         \$7,500.00         \$7,500.00         \$8,249.00         \$8,249.00         \$9,500.00           103         2600         6'x3' Junction Box         EA         1         \$6,750.00         \$6,750.00         \$5,550.13         \$7,000.00         \$7,000.00         \$8,173.00         \$8,173.00         \$9,015.00           104         2600         Reconstruct Inlet Top         EA         5         \$2,000.00         \$10,000.00         \$2,386.68         \$11,933.40         \$2,300.00         \$1,456.00         \$7,290.00         \$2,541.00           105         2600         Pipe Collar (Type A)         EA         3         \$3,000.00         \$9,000.00         \$2,041.67         \$6,125.01         \$4,600.00         \$13,800.00         \$677.00         \$2,031.00         \$9,241.00           106         3000         Temporary Traffic Control Signs         SF         997         \$30.00         \$29,910.00         \$13.00         \$13,00         \$15,00         \$14,955.00         \$14,400           107         3000         Type 3 Barricade - 5'         EA         20         \$250.00         \$5,000.00         \$4,500.00         \$150.00         \$3,000.00         <   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$37,750.00  |
| 103         2600         6'x3' Junction Box         EA         1         \$6,750.00         \$6,750.00         \$5,550.13         \$7,000.00         \$7,000.00         \$8,173.00         \$8,173.00         \$9,015.00           104         2600         Reconstruct Inlet Top         EA         5         \$2,000.00         \$10,000.00         \$2,386.68         \$11,933.40         \$2,300.00         \$11,500.00         \$1,458.00         \$7,290.00         \$2,541.00           105         2600         Pipe Collar (Type A)         EA         3         \$3,000.00         \$9,000.00         \$2,041.67         \$6,125.01         \$4,600.00         \$13,600.00         \$677.00         \$2,031.00         \$9,000.00         \$2,041.67         \$6,125.01         \$4,600.00         \$13,600.00         \$677.00         \$2,031.00         \$9,000.00         \$2,041.67         \$6,125.01         \$4,600.00         \$13,600.00         \$677.00         \$2,031.00         \$9,000.00         \$13,000         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$13,000.00         \$10,000.00         \$14,000.00         \$14,000.00         \$14,000.00         \$14,000.00         \$13,000.00         \$13,000.00         \$13,000.00   |           |  |      | -            |              |              |              |                   |             |              |              |                    |                | \$9,900.00   |
| 104         2600         Reconstruct Inlet Top         EA         5         \$2,000.00         \$10,000.00         \$2,386.68         \$11,933.40         \$2,300.00         \$11,500.00         \$1,458.00         \$7,290.00         \$2,541.00           105         2600         Pipe Collar (Type A)         EA         3         \$3,000.00         \$9,000.00         \$2,441.67         \$6,125.01         \$4,600.00         \$13,800.00         \$677.00         \$2,031.00         \$992.03         \$90.00         \$13,000.00         \$13,608.90         \$15.00         \$14,955.00         \$14,955.00         \$14,955.00         \$14,955.00         \$15.00         \$15,000.00         \$299.75           107         3000         Type 3 Barricade - 5'         EA         20         \$250.00         \$5,000.00         \$225.00         \$4,500.00         \$150.00         \$3,000.00         \$239.75  |           |  |      | -            |              |              |              |                   |             |              |              |                    |                | \$9,500.00   |
| 105         2600         Pipe Collar (Type A)         EA         3         \$3,000.00         \$9,000.00         \$2,041.67         \$6,125.01         \$4,600.00         \$13,800.00         \$677.00         \$2,031.00         \$932.50           106         3000         Temporary Traffic Control Signs         SF         997         \$30.00         \$29,910.00         \$13.00         \$12,961.00         \$13.70         \$13,658.90         \$15.00         \$14,955.00         \$14.00           107         3000         Type 3 Barricade - 5'         EA         20         \$250.00         \$5,000.00         \$225.00         \$4,500.00         \$150.00         \$3,000.00         \$253.00         \$239.75  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$9,015.00   |
| 106         3000         Temporary Traffic Control Signs         SF         997         \$30.00         \$29,910.00         \$13.00         \$12,961.00         \$13.70         \$13,658.90         \$15.00         \$14,955.00         \$14.00           107         3000         Type 3 Barricade - 5'         EA         20         \$250.00         \$5,000.00         \$225.00         \$4,500.00         \$150.00         \$3,000.00         \$253.00         \$5,060.00         \$239.75  |           |  | EA   | 5            | \$2,000.00   | \$10,000.00  | \$2,386.68   | \$11,933.40       | \$2,300.00  | \$11,500.00  | \$1,458.00   | \$7,290.00         | \$2,541.00     | \$12,705.00  |
| 106         3000         Temporary Traffic Control Signs         SF         997         \$30.00         \$29,910.00         \$13.00         \$12,961.00         \$13.70         \$13,658.90         \$15.00         \$14,955.00         \$14.00           107         3000         Type 3 Barricade - 5'         EA         20         \$250.00         \$5,000.00         \$225.00         \$4,500.00         \$150.00         \$3,000.00         \$253.00         \$5,060.00         \$239.75  | 105 2600  | Pipe Collar (Type A)   | EA   | 3            | \$3,000.00   | \$9,000.00   | \$2,041.67   | \$6,125.01        | \$4,600.00  | \$13,800.00  | \$677.00     | \$2,031.00         | \$932.50       | \$2,797.50   |
| 107 3000 Type 3 Barricade - 5' EA 20 \$250.00 \$5,000.00 \$225.00 \$4,500.00 \$150.00 \$3,000.00 \$253.00 \$5,060.00 \$239.75  |           |  | SF   | 997          | \$30.00      | \$29,910.00  | \$13.00      | \$12,961.00       | \$13.70     | \$13,658.90  | \$15.00      | \$14,955.00        | \$14.00        | \$13,958.00  |
|  | 107 3000  |  | EA   | 20           | \$250.00     | \$5,000.00   | \$225.00     | \$4,500.00        | \$150.00    | \$3,000.00   | \$253.00     | \$5,060.00         | \$239.75       | \$4,795.00   |
|  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$1,198.75   |
| 109 3000 Channelizer (Drum-like) EA 272 \$50.00 \$13,600.00 \$80.00 \$21,760.00 \$15.80 \$4,297.60 \$90.00 \$24,480.00 \$85.25   |           |  |      | _            |              |              |              |                   |             |              |              |                    |                | \$23.188.00  |
| 110 3000 4 Yellow Temporary Pavement Marking LF 14,080 \$5.00 \$70,400.00 \$1.33 \$18,726.40 \$2.20 \$30,976.00 \$2.00 \$28,160.00 \$1.50  |           | ,  |      |              |              |              |              |                   |             |              |              |                    |                | \$21,120.00  |
| 111 3000 4 White Temporary Pavement Marking LF 2,800 \$5.00 \$14,000.00 \$1.40 \$3,920.00 \$2.20 \$6,160.00 \$2.00 \$5,600.00 \$1.50   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$4,200.00   |
| 112 3000 Temporary Arrow Pavement Marking EA 5 \$300.00 \$1,500.00 \$205.00 \$79.00 \$395.00 \$232.00 \$1,160.00 \$218.50  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$1.092.50   |
| 112 3000 Portable Changeable Message Signs EA 7 \$30,000.00 \$210,000.00 \$31,000.00 \$37,000 \$37,000 \$37,100.00 \$10,155.00 \$71,085.00 \$9,600.00  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$67,200.00  |
|  |           | 0 0 0  |      |              |              |              |              |                   |             |              |              |                    |                |              |
| 114 3000 Signs (Permanent) SF 340 \$60.00 \$20,400.00 \$8,160.00 \$13.70 \$4,656.00 \$27.00 \$9,180.00 \$26.00   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$8,840.00   |
| 115 3000 Sign Posts (Permanent) EA 79 \$170.00 \$13,430.00 \$347.00 \$27,413.00 \$210.00 \$16,590.00 \$391.00 \$30,889.00 \$369.75   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$29,210.25  |
| 116 3000 Reinstall Salvaged Sign EA 58 \$150.00 \$8,700.00 \$58.00 \$3,364.00 \$130.00 \$7,540.00 \$66.00 \$3,828.00 \$62.00   |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$3,596.00   |
| 117 3000 High-Build Paint Pavement Marking (4" White) LF 13,182 \$2.00 \$26,364.00 \$0.85 \$11,204.70 \$0.25 \$3,295.50 \$1.00 \$13,182.00 \$1.00  |           |  |      |              | -            |              |              |                   |             |              |              |                    |                | \$13,182.00  |
| 118         3000         High-Build Paint Pavement Marking (4" Yellow)         LF         9,693         \$2.00         \$19,386.00         \$0.85         \$8,239.05         \$0.25         \$2,423.25         \$1.00         \$9,693.00         \$1.00  |           |  |      |              |              |              |              |                   |             |              |              |                    |                | \$9,693.00   |
| 119         3000         High-Build Paint Pavement Marking (6" White)         LF         67         \$2.50         \$167.50         \$4.65         \$311.55         \$0.35         \$23.45         \$5.00         \$335.00         \$5.00  |           | riigir Dana'r airc'r averneiti marting (o' vrinte)             |      |              |              |              | \$4.65       |                   |             |              | \$5.00       |                    |                | \$335.00     |
| 120 3000 High Build Paint Payement Marking (19" White) IE 67 \$7.00 \$460.00 \$44.50 \$60.75 \$650.05 \$46.00 \$45.50  | 120 3000  | High-Build Paint Pavement Marking (12" White)                  | LF   | 67           | \$7.00       | \$469.00     | \$14.50      | \$971.50          | \$0.75      | \$50.25      | \$16.00      | \$1,072.00         | \$15.50        | \$1,038.50   |
| בר בין סייסי ביווקודיים וועודיים שלוו.סט   מווע מיסוויסוג שימותוו (בעיסוויסוג שימותווש (בעיסוויסוג שימות בעיסוויסוג שווש (בעיסוויסוג שימות בעיסוויסוג שווש (בעיסוויסוג שווש (בעיסוויסוויסוג שווש (בעיסוויסוג שווש (בעיסוויס   |           | Thermoplastic Pavement Marking (6" White)                      | 1 F  | 856          | \$5.00       | \$4,280,00   | \$4.65       | \$3,980,40        | \$2.10      | \$1,797,60   | \$5.00       | \$4,280,00         | \$5.00         | \$4,280.00   |





|          |      |  |      |           | Englineagle  | 3/28/2                  |              | turration Commons            | Dadwaah      | au Buathaua               | Emany Can             | - 0 Cama Ima   | IM Fabau     | Construction       |
|----------|------|--|------|-----------|--------------|-------------------------|--------------|------------------------------|--------------|---------------------------|-----------------------|----------------|--------------|--------------------|
|          |      | † Non-Participating items  |      |           |              | Estimate of<br>ble Cost |              | truction Company<br>ble Cost |              | er Brothers<br>ng Co. Inc | Emery Sap             | p & Sons, Inc. |              | Construction npany |
| ITEM SP  | PEC. | / Non-Farticipating items  |      | ESTIMATED | UNIT         | nie Cost                | UNIT         | ible Cost                    | UNIT         | ng co. mc                 | UNIT                  |                | UNIT         | прапу              |
|          |      | DESCRIPTION  | UNIT | QUANTITY  | PRICE        | AMOUNT                  | PRICE        | AMOUNT                       | PRICE        | AMOUNT                    | PRICE                 | AMOUNT         | PRICE        | AMOUNT             |
|          |      | Thermoplastic Pavement Marking (12" White)   | LF   | 167       | \$10.00      | \$1,670.00              | \$14.50      | \$2,421.50                   | \$2.50       | \$417.50                  | \$16.00               | \$2,672.00     | \$15.50      | \$2,588.50         |
|          |      | Thermoplastic Pavement Marking (12 Write)  Thermoplastic Pavement Marking (12" Yellow) | LF   | 130       | \$10.00      | \$1,300.00              | \$14.75      | \$1,917.50                   | \$2.50       | \$325.00                  | \$17.00               | \$2,210.00     | \$15.75      | \$2,047.50         |
|          |      | Thermoplastic Pavement Marking (12 Tellow) Thermoplastic Pavement Marking (24" White)  | LF   | 773       | \$20.00      | \$15,460.00             | \$27.50      | \$21,257.50                  | \$8.70       | \$6,725.10                | \$31.00               | \$23,963.00    | \$29.50      | \$22.803.50        |
|          | -    | Thermoplastic Pavement Marking (Yield Line)  | LF   | 95        | \$18.75      | \$1,781.25              | \$34.50      | \$3,277.50                   | \$37.00      | \$3,515.00                | \$39.00               | \$3,705.00     | \$36.75      | \$3,491.25         |
|          |      | Thermoplastic Pavement Marking (Words)   | EA   | 1         | \$625.00     | \$625.00                | \$550.00     | \$550.00                     | \$470.00     | \$470.00                  | \$620.00              | \$620.00       | \$587.00     | \$587.00           |
|          |      | Thermoplastic Pavement Marking (Arrows)  | EA   | 59        | \$550.00     | \$32,450.00             | \$335.00     | \$19,765.00                  | \$290.00     | \$17.110.00               | \$378.00              | \$22,302.00    | \$357.00     | \$21,063,00        |
|          |      | Reinstall Salvaged Gate  | EA   | 1         | \$2,000.00   | \$2,000.00              | \$3,184.00   | \$3,184.00                   | \$3,400.00   | \$3,400.00                | \$4,032.00            | \$4,032.00     | \$3,808.25   | \$3,808.25         |
|          |      | Overhead Sign Structure  | EA   | 1         | \$125,000.00 | \$125,000.00            | \$157,100.00 | \$157,100.00                 | \$165,400.00 | \$165,400.00              | \$177,247.00          | \$177,247.00   | \$168.000.00 | \$168,000.00       |
|          |      | 48" Tall Ameristar Aegis II Majectic 2/3 Rail †  | LF   | 353       | \$170.00     | \$60,010.00             | \$199.05     | \$70,264.65                  | \$210.00     | \$74,130.00               | \$310.00              | \$109,430.00   | \$293.00     | \$103,429.00       |
|          |      | 4" Stamped and Colored Concrete (Plan Quantity)  | SY   | 752       | \$250.00     | \$188,000.00            | \$93.80      | \$70,537.60                  | \$94.00      | \$70,688.00               | \$112.00              | \$84,224.00    | \$123.00     | \$92,496.00        |
|          |      | Unclassified Bridge Excavation (Plan Quantity)   | CY   | 2,705     | \$110.00     | \$297,550.00            | \$17.41      | \$47,094.05                  | \$40.00      | \$108,200.00              | \$115.00              | \$311,075.00   | \$23.75      | \$64,243.75        |
|          |      | Removal of Bridge (4315001)  | LS   | 1         | \$100,000.00 | \$100,000.00            | \$625,005.21 | \$625,005.21                 | \$302,500.00 | \$302,500.00              | \$619,114.00          | \$619,114.00   | \$878,000.00 | \$878,000.00       |
|          |      | Bridge Approach Slab (Major Road) (Plan Quantity)                                      | SY   | 333       | \$280.00     | \$93,240.00             | \$212.66     | \$70,815.78                  | \$340.00     | \$113,220.00              | \$379.00              | \$126,207.00   | \$296.00     | \$98,568.00        |
|          |      | Pedestrian Fence (48") †   | LF   | 454       | \$140.00     | \$63,560.00             | \$206.78     | \$93,878.12                  | \$220.00     | \$99,880.00               | \$343.00              | \$155,722.00   | \$293.00     | \$133,022.00       |
|          | -    | Pedestrian Fence (108") †  | LF   | 276       | \$175.00     | \$48,300.00             | \$458.05     | \$126,421.80                 | \$480.00     | \$132,480.00              | \$465.00              | \$128,340.00   | \$400.00     | \$110,400.00       |
|          | _    | Pedestrian Rail  | LF   | 618       | \$50.00      | \$30,900.00             | \$192.74     | \$119,113.32                 | \$200.00     | \$123,600.00              | \$340.00              | \$210,120.00   | \$277.00     | \$171,186.00       |
|          |      | Drilled Shafts (5 ft. 6 in. Dia.)  | LF   | 45        | \$1,600.00   | \$72,000.00             | \$1,399.97   | \$62,998.65                  | \$1,800.00   | \$81,000.00               | \$1,538.00            | \$69,210.00    | \$1,091.25   | \$49,106.25        |
|          |      | Rock Sockets (5 ft. 0 in. Dia.)  | LF   | 54        | \$1,000.00   | \$54,000.00             | \$799.98     | \$43,198.92                  | \$1,200.00   | \$64,800.00               | \$587.00              | \$31,698.00    | \$726.50     | \$39,231.00        |
| 140 70   | _    | Video Camera Inspection  | EA   | 3         | \$800.00     | \$2,400.00              | \$50.00      | \$150.00                     | \$420.00     | \$1,260.00                | \$57.00               | \$171.00       | \$1,614.25   | \$4,842.75         |
|          | _    | Foundation Inspection Holes  | LF   | 84        | \$120.00     | \$10,080.00             | \$120.00     | \$10,080.00                  | \$160.00     | \$13,440.00               | \$159.00              | \$13,356.00    | \$124.00     | \$10,416.00        |
|          |      | Sonic Logging Testing  | EA   | 3         | \$2,000.00   | \$6,000.00              | \$1,500.00   | \$4,500.00                   | \$4,800.00   | \$14,400.00               | \$5,132.00            | \$15,396.00    | \$5,381.00   | \$16,143.00        |
|          |      | Galvanized Structural Steel Piles (12 in)  | LF   | 577       | \$90.00      | \$51,930.00             | \$120.90     | \$69,759.30                  | \$140.00     | \$80,780.00               | \$141.00              | \$81,357.00    | \$111.00     | \$64,047.00        |
|          | _    | Pile Wave Analysis   | EA   | 1         | \$900.00     | \$900.00                | \$900.00     | \$900.00                     | \$1,100,00   | \$1,100.00                | \$1,015.00            | \$1,015.00     | \$2.691.00   | \$2,691.00         |
|          | _    | Pile Point Reinforcement   | EA   | 14        | \$200.00     | \$2,800.00              | \$120.86     | \$1,692.04                   | \$130.00     | \$1,820.00                | \$118.00              | \$1,652.00     | \$118.50     | \$1,659.00         |
|          |      | Class B Concrete (Substructure) (Plan Quantity)  | CY   | 198.1     | \$1,000.00   | \$198,100.00            | \$1,097.31   | \$217,377.11                 | \$1,100.00   | \$217,910.00              | \$1,189.00            | \$235,540.90   | \$1,114.00   | \$220,683.40       |
|          |      | Class B-1 Concrete (Substructure) (Plan Quantity)                                      | CY   | 1,449,7   | \$1,000.00   | \$1,449,700.00          | \$742.74     | \$1,076,750.18               | \$580.00     | \$840,826.00              | \$814.00              | \$1,180,055.80 | \$791.00     | \$1,146,712.70     |
|          | _    | Slab on Concrete NU-Girder   | SY   | 2,242     | \$400.00     | \$896,800.00            | \$434.42     | \$973,969.64                 | \$470.00     | \$1,053,740.00            | \$520.00              | \$1,165,840.00 | \$732.00     | \$1,641,144.00     |
|          | _    | Form Liners  | SY   | 433       | \$195.00     | \$84,435.00             | \$95.83      | \$41,494.39                  | \$130.00     | \$56,290.00               | \$101.00              | \$43,733.00    | \$120.00     | \$51,960.00        |
|          |      | Concrete Parapet (Plan Quantity)   | LF   | 698       | \$140.00     | \$97,720.00             | \$207.21     | \$144,632.58                 | \$250.00     | \$174,500.00              | \$204.00              | \$142,392.00   | \$355.25     | \$247,964.50       |
|          | _    | Concrete Curb (Plan Quantity)  | LF   | 733       | \$75.00      | \$54,975.00             | \$83.71      | \$61,359,43                  | \$180.00     | \$131,940,00              | \$222.00              | \$162,726.00   | \$183.00     | \$134,139.00       |
| 152 70   | 705  | NU 63, Prestressed Concrete NU-Girder  | LF   | 2,133     | \$450.00     | \$959,850.00            | \$679.18     | \$1,448,690.94               | \$560.00     | \$1,194,480.00            | \$564.00              | \$1,203,012.00 | \$549.00     | \$1,171,017.00     |
| 153 70   |      | Reinforcing Steel (Bridges) (Plan Quantity)  | LB   | 270,790   | \$2.00       | \$541,580.00            | \$1.43       | \$387,229.70                 | \$1.60       | \$433,264.00              | \$2.00                | \$541,580.00   | \$1.75       | \$473,882.50       |
| 154 70   | 707  | Conduit System on Structure  | LS   | 1         | \$28,000.00  | \$28,000.00             | \$50,556.00  | \$50,556.00                  | \$53,200.00  | \$53,200.00               | \$57,040.00           | \$57,040.00    | \$54,274.00  | \$54,274.00        |
| 155 7    | 711  | Concrete and Masonry Protection System - Bridge  | LS   | 1         | \$7,500.00   | \$7,500.00              | \$13,449.00  | \$13,449.00                  | \$14,300.00  | \$14,300.00               | \$15,174.00           | \$15,174.00    | \$14,330.50  | \$14,330.50        |
| 156 7    | 711  | Concrete and Masonry Protection System - MSE Wall 1                                    | LS   | 1         | \$7,700.00   | \$7,700.00              | \$7,409.00   | \$7,409.00                   | \$10,100.00  | \$10,100.00               | \$8,359.00            | \$8,359.00     | \$7,895.00   | \$7,895.00         |
| 157 7    | 711  | Concrete and Masonry Protection System - MSE Wall 2                                    | LS   | 1         | \$600.00     | \$600.00                | \$530.00     | \$530.00                     | \$720.00     | \$720.00                  | \$597.00              | \$597.00       | \$564.75     | \$564.75           |
| 158 7    | 711  | Concrete and Masonry Protection System - MSE Wall 3                                    | LS   | 1         | \$2,300.00   | \$2,300.00              | \$2,203.00   | \$2,203.00                   | \$3,000.00   | \$3,000.00                | \$2,485.00            | \$2,485.00     | \$2,348.00   | \$2,348.00         |
| 159 7    | 711  | Sacrificial Graffiti Protection System - Bridge  | LS   | 1         | \$7,500.00   | \$7,500.00              | \$13,990.00  | \$13,990.00                  | \$14,300.00  | \$14,300.00               | \$15,784.00           | \$15,784.00    | \$14,907.00  | \$14,907.00        |
| 160 7    | 711  | Sacrificial Graffiti Protection System - MSE Wall 1                                    | LS   | 1         | \$7,700.00   | \$7,700.00              | \$7,790.00   | \$7,790.00                   | \$10,100.00  | \$10,100.00               | \$8,789.00            | \$8,789.00     | \$8,301.00   | \$8,301.00         |
| 161 7    | 711  | Sacrificial Graffiti Protection System - MSE Wall 2                                    | LS   | 1         | \$600.00     | \$600.00                | \$558.00     | \$558.00                     | \$720.00     | \$720.00                  | \$629.00              | \$629.00       | \$595.00     | \$595.00           |
| 162 7    | 711  | Sacrificial Graffiti Protection System - MSE Wall 3                                    | LS   | 1         | \$2,300.00   | \$2,300.00              | \$2,317.00   | \$2,317.00                   | \$3,000.00   | \$3,000.00                | \$2,614.00            | \$2,614.00     | \$2,496.00   | \$2,496.00         |
| 163 7    | 712  | Steel Intermediate Diaphragm for P/S Concrete Girders                                  | EA   | 28        | \$1,200.00   | \$33,600.00             | \$1,982.08   | \$55,498.24                  | \$2,600.00   | \$72,800.00               | \$2,530.00            | \$70,840.00    | \$3,014.00   | \$84,392.00        |
| 164 7    | 712  | Slab Drain   | EA   | 12        | \$500.00     | \$6,000.00              | \$2,280.63   | \$27,367.56                  | \$760.00     | \$9,120.00                | \$718.00              | \$8,616.00     | \$1,733.00   | \$20,796.00        |
| 165 7    | 712  | Slab Drain with Grate  | EA   | 19        | \$550.00     | \$10,450.00             | \$1,209.54   | \$22,981.26                  | \$940.00     | \$17,860.00               | \$1,172.00            | \$22,268.00    | \$2,309.00   | \$43,871.00        |
|          |      | Slab Scupper with Grate †  | EA   | 6         | \$1,500.00   | \$9,000.00              | \$5,594.96   | \$33,569.76                  | \$6,100.00   | \$36,600.00               | \$5,658.00            | \$33,948.00    | \$7,052.00   | \$42,312.00        |
|          | 715  | Vertical Drain at End Bents (Plan Quantity)  | EA   | 2         | \$7,500.00   | \$15,000.00             | \$12,376.41  | \$24,752.82                  | \$11,300.00  | \$22,600.00               | \$13,451.00           | \$26,902.00    | \$24,215.00  | \$48,430.00        |
| 168 7    | 716  | Laminated Neoprene Bearing Pad (Tapered)   | EA   | 24        | \$500.00     | \$12,000.00             | \$652.02     | \$15,648.48                  | \$900.00     | \$21,600.00               | \$1,183.00            | \$28,392.00    | \$1,507.00   | \$36,168.00        |
| 169 7    | 716  | Laminated Neoprene Bearing Pad Assembly  | EA   | 8         | \$2,500.00   | \$20,000.00             | \$1,928.96   | \$15,431.68                  | \$3,700.00   | \$29,600.00               | \$3,470.00            | \$27,760.00    | \$4,035.75   | \$32,286.00        |
|          | 720  | Mechanically Stabilized Earth Wall Systems - MSE Wall 1                                | SF   | 5,448     | \$85.00      | \$463,080.00            | \$158.25     | \$862,146.00                 | \$140.00     | \$762,720.00              | \$186.00              | \$1,013,328.00 | \$169.00     | \$920,712.00       |
| 171 7:   | 720  | Mechanically Stabilized Earth Wall Systems - MSE Wall 2                                | SF   | 390       | \$85.00      | \$33,150.00             | \$92.00      | \$35,880.00                  | \$110.00     | \$42,900.00               | \$110.00              | \$42,900.00    | \$98.00      | \$38,220.00        |
| 172 7    | 720  | Mechanically Stabilized Earth Wall Systems - MSE Wall 3                                | SF   | 1,620     | \$85.00      | \$137,700.00            | \$68.50      | \$110,970.00                 | \$97.00      | \$157,140.00              | \$82.00               | \$132,840.00   | \$73.00      | \$118,260.00       |
| 173 29   | 900  | Traffic Signal Pedestal Pole 8'  | EA   | 6         | \$1,500.00   | \$9,000.00              | \$1,065.00   | \$6,390.00                   | \$1,100.00   | \$6,600.00                | \$1,602.00            | \$9,612.00     | \$1,144.00   | \$6,864.00         |
| 174 29   | 900  | Traffic Signal Pole WITH 40' M.A. and 15' Bracket Arm (40' M.H.)                       | EA   | 1         | \$30,000.00  | \$30,000.00             | \$23,789.00  | \$23,789.00                  | \$25,000.00  | \$25,000.00               | \$26,841.00           | \$26,841.00    | \$25,538.25  | \$25,538.25        |
| 175 29   | 900  | Traffic Signal Pole WITH 42' M.A. and 15' Bracket Arm (40' M.H.)                       | EA   | 2         | \$35,000.00  | \$70,000.00             | \$25,798.00  | \$51,596.00                  | \$27,200.00  | \$54,400.00               | \$29,107.00           | \$58,214.00    | \$27,695.00  | \$55,390.00        |
| 176 29   | 900  | Traffic Signal Pole WITH 54' M.A. and 15' Bracket Arm (40' M.H.)                       | EA   | 2         | \$50,000.00  | \$100,000.00            | \$28,489.00  | \$56,978.00                  | \$30,000.00  | \$60,000.00               | \$32,143.00           | \$64,286.00    | \$30,584.00  | \$61,168.00        |
| 177 29   | 900  | Traffic Signal Head (Type A)   | EA   | 10        | \$1,125.00   | \$11,250.00             | \$1,227.00   | \$12,270.00                  | \$12,900.00  | \$129,000.00              | \$1,384.00            | \$13,840.00    | \$1,318.00   | \$13,180.00        |
|          |      | Traffic Signal Head (Type C)   | EA   | 2         | \$1,125.00   | \$2,250.00              | \$1,227.00   | \$2,454.00                   | \$1,300.00   | \$2,600.00                | \$1,384.00            | \$2,768.00     | \$1,318.00   | \$2,636.00         |
|          |      | Traffic Signal Head (Type K)   | EA   | 3         | \$1,690.00   | \$5,070.00              | \$1,418.00   | \$4,254.00                   | \$1,500.00   | \$4,500.00                | \$1,600.00            | \$4,800.00     | \$1,523.00   | \$4,569.00         |
|          |      | Traffic Signal Head (Type L)   | EA   | 8         | \$900.00     | \$7,200.00              | \$901.00     | \$7,208.00                   | \$950.00     | \$7,600.00                | \$1,016.00            | \$8,128.00     | \$967.25     | \$7,738.00         |
|          |      | Traffic Signal Head (Type FYA)   | EA   | 3         | \$1,500.00   | \$4,500.00              | \$1,484.00   | \$4,452.00                   | \$1,600.00   | \$4,800.00                | \$1,674.00            | \$5,022.00     | \$1,594.00   | \$4,782.00         |
|          |      | Pull Box (Class 2)   | EA   | 3         | \$1,500.00   | \$3,375.00              | \$3,062.00   | \$9,186.00                   | \$3,200.00   | \$9,600.00                | \$3,455.00            | \$10,365.00    | \$3,288.00   | \$9,864.00         |
| 102   28 | 900  | 1 uii Dox (Olass 2)  | EM   |           | ψ1,120.00    | φο,οι 3.00              | ψ3,002.00    | φθ,100.00                    | ψ3,200.00    | φ9,000.00                 | ψ <del>0,400.00</del> | φ10,303.00     | φ3,200.00    | φ9,004.00          |





|       |      |  |          |              |              | 3/28/20      |                   |                  | Company Radmacher Brothers |              |             |                |             |                |
|-------|------|--|----------|--------------|--------------|--------------|-------------------|------------------|----------------------------|--------------|-------------|----------------|-------------|----------------|
|       |      |  |          |              |              | Estimate of  |                   | truction Company |                            |              | Emery Sap   | p & Sons, Inc. |             | Construction   |
|       |      | † Non-Participating items  |          |              |              | ble Cost     |                   | able Cost        |                            | ing Co. Inc  |             |                |             | npany          |
|       | PEC. |  |          | ESTIMATED    | UNIT         |              | UNIT              |                  | UNIT                       |              | UNIT        |                | UNIT        |                |
| -     |      | DESCRIPTION  | UNIT     | QUANTITY     | PRICE        | AMOUNT       | PRICE             | AMOUNT           | PRICE                      | AMOUNT       | PRICE       | AMOUNT         | PRICE       | AMOUNT         |
| 183 2 |      | Pull Box (Class 3)   | EA       | 2            | \$1,875.00   | \$3,750.00   | \$4,785.00        | \$9,570.00       | \$5,000.00                 | \$10,000.00  | \$5,398.00  | \$10,796.00    | \$5,137.00  | \$10,274.00    |
| 184 2 | 2900 | Concrete Traffic Signal Pole Base (Type B13) (Plan Quantity)                         | EA       | 5            | \$10,000.00  | \$50,000.00  | \$9,197.00        | \$45,985.00      | \$9,700.00                 | \$48,500.00  | \$10,376.00 | \$51,880.00    | \$9,874.00  | \$49,370.00    |
| 185 2 | 2900 | Concrete Traffic Signal Pole Base (Type C) (Plan Quantity)                           | EA       | 7            | \$1,160.00   | \$8,120.00   | \$1,888.00        | \$13,216.00      | \$2,000.00                 | \$14,000.00  | \$2,130.00  | \$14,910.00    | \$2,027.00  | \$14,189.00    |
| 186 2 | 2900 | Concrete Base (EV) (Plan Quantity)   | CY       | 21.57        | \$1,875.00   | \$40,443.75  | \$2,061.00        | \$44,455.77      | \$2,200.00                 | \$47,454.00  | \$2,372.00  | \$51,164.04    | \$2,213.00  | \$47,734.41    |
| 187 2 | 2900 | Video Detection System (Plan Quantity)   | EA       | 1            | \$25,000.00  | \$25,000.00  | \$39,988.00       | \$39,988.00      | \$42,100.00                | \$42,100.00  | \$45,116.00 | \$45,116.00    | \$42,928.50 | \$42,928.50    |
| 188 2 | 2900 | Emergency Vehicle Detection System (Plan Quantity)                                   | EA       | 1            | \$12,500,00  | \$12,500.00  | \$14,436.00       | \$14,436,00      | \$15,200.00                | \$15,200,00  | \$16,288,00 | \$16,288,00    | \$15,497,50 | \$15,497,50    |
|       |      | Controller (Type 3608 M 52 Eagle EPAC) †   | EA       | 1            | \$37,500.00  | \$37,500.00  | \$21,229.00       | \$21,229.00      | \$22,300.00                | \$22,300.00  | \$23,951.00 | \$23,951.00    | \$22,790.00 | \$22,790.00    |
|       |      | 1-Circuit Power Supply   | EA       | 1            | \$6,250,00   | \$6,250.00   | \$6,765,00        | \$6,765.00       | \$7,100.00                 | \$7,100.00   | \$7,633,00  | \$7,633.00     | \$7,262,50  | \$7,262.50     |
|       |      | Pedestrian Push Button   | EA       | 8            | \$975.00     | \$7,800.00   | \$1,252.00        | \$10,016.00      | \$1,300.00                 | \$10,400.00  | \$1,413.00  | \$11,304.00    | \$1,345.00  | \$10,760.00    |
|       |      | Conduit (2" HDPE) (Installed) (Plan Quantity)  | LF       | 41           | \$21.00      | \$861.00     | \$31.00           | \$1,271.00       | \$33.00                    | \$1,353.00   | \$35.00     | \$1,435.00     | \$34.00     | \$1,394.00     |
|       |      | Conduit (3" HDPE) (Installed) (Plan Quantity)  | LF       | 211          | \$25.00      | \$5,275.00   | \$54.70           | \$11,541.70      | \$58.00                    | \$12,238.00  | \$62.00     | \$13,082.00    | \$59.00     | \$12,449.00    |
|       |      | Conduit (4" HDPE) (Installed) (Plan Quantity)  | LF       | 503          | \$33.50      | \$16.850.50  | \$47.40           | \$23.842.20      | \$50.00                    | \$25,150.00  | \$54.00     | \$27,162.00    | \$51.00     | \$25.653.00    |
|       | _    | . , , , , , , , , , , , , , , , , , , ,  | LF       |              | · ·          |              | _                 | \$3,452.30       | \$2.00                     | - ' '        | \$2.00      |                |             | - ' '          |
|       |      | Cable (2c #14 AWG Type 20-1) (Plan Quantity)   | LF       | 1,817        | \$1.88       | \$3,415.96   | \$1.90            |                  |                            | \$3,634.00   |             | \$3,634.00     | \$2.25      | \$4,088.25     |
|       |      | Cable (5c #14 AWG Type 20-1) (Plan Quantity)   |          | 1,849        | \$2.50       | \$4,622.50   | \$2.40            | \$4,437.60       | \$2.50                     | \$4,622.50   | \$3.00      | \$5,547.00     | \$2.75      | \$5,084.75     |
|       |      | Cable (7c #14 AWG Type 20-1) (Plan Quantity)   | LF       | 3,407        | \$2.85       | \$9,709.95   | \$3.20            | \$10,902.40      | \$3.40                     | \$11,583.80  | \$4.00      | \$13,628.00    | \$3.50      | \$11,924.50    |
|       |      | Cable (3c-2) (Power/Lighting) (Plan Quantity)  | LF       | 17           | \$2.85       | \$48.45      | \$32.00           | \$544.00         | \$34.00                    | \$578.00     | \$36.00     | \$612.00       | \$34.50     | \$586.50       |
|       |      | Cable (2c-8) (Power/Lighting) (Plan Quantity)  | LF       | 1,216        | \$1.60       | \$1,945.60   | \$3.60            | \$4,377.60       | \$3.80                     | \$4,620.80   | \$4.00      | \$4,864.00     | \$4.00      | \$4,864.00     |
|       |      | Cable (Ground #6) (Plan Quantity)  | LF       | 779          | \$3.15       | \$2,453.85   | \$2.10            | \$1,635.90       | \$2.20                     | \$1,713.80   | \$2.00      | \$1,558.00     | \$2.25      | \$1,752.75     |
|       | 2900 | Cobrahead Luminaire (400 Watt)   | EA       | 4            | \$2,500.00   | \$10,000.00  | \$1,347.00        | \$5,388.00       | \$1,400.00                 | \$5,600.00   | \$1,520.00  | \$6,080.00     | \$1,447.00  | \$5,788.00     |
| 203 2 | 2900 | Temporary Traffic Signal   | LS       | 1            | \$100,000.00 | \$100,000.00 | \$87,651.00       | \$87,651.00      | \$92,300.00                | \$92,300.00  | \$98,892.00 | \$98,892.00    | \$94,100.00 | \$94,100.00    |
| 204 2 | 2900 | Traffic Signal Signs (Permanent)   | SF       | 93.5         | \$55.00      | \$5,142.50   | \$112.00          | \$10,472.00      | \$120.00                   | \$11,220.00  | \$127.00    | \$11,874.50    | \$120.25    | \$11,243.38    |
| 205   | SP   | Light Fixture Type A, Twin Mounted on New Pole, Including All<br>Associated Hardware | EA       | 41           | \$7,000.00   | \$287,000.00 | \$8,942.00        | \$366,622.00     | \$9,400.00                 | \$385,400.00 | \$10,089.00 | \$413,649.00   | \$9,599.50  | \$393,579.50   |
| 206   | SP   | Light Fixture Type B, Single Mounted on New Pole, Including All Associated Hardware  | EA       | 11           | \$5,500.00   | \$60,500.00  | \$6,760.00        | \$74,360.00      | \$7,100.00                 | \$78,100.00  | \$7,628.00  | \$83,908.00    | \$7,258.00  | \$79,838.00    |
| 207   | SP   | 2" PVC Conduit. Installed in Trench  | LF       | 9.650        | \$12.00      | \$115,800,00 | \$15.90           | \$153,435,00     | \$16.70                    | \$161,155,00 | \$18.00     | \$173,700.00   | \$17.00     | \$164,050,00   |
|       |      | 2" GRSC Conduit, Installed   | LF       | 620          | \$35.00      | \$21,700.00  | \$82.50           | \$51,150.00      | \$87.00                    | \$53,940.00  | \$93.00     | \$57,660.00    | \$89.00     | \$55,180.00    |
|       |      | 4" GRSC Conduit, Installed   | LF       | 300          | \$45.00      | \$13,500.00  | \$147.40          | \$44,220.00      | \$160.00                   | \$48,000.00  | \$166.00    | \$49,800.00    | \$158.25    | \$47,475.00    |
|       |      | No. 4/0 AWG Bare Copper Conductor  | LF       | 650          | \$8.00       | \$5,200.00   | \$24.20           | \$15,730.00      | \$25.00                    | \$16,250.00  | \$27.00     | \$17,550.00    | \$26.00     | \$16,900.00    |
|       |      | No. 2 AWG Electrical Conductor, Installed in Conduit                                 | LF       | 10.250       | -            | \$41,000.00  | \$3.60            | \$36,900.00      | +                          | \$38.950.00  | +           | \$41,000.00    | ¥==         | \$41,000.00    |
|       |      |  | LF<br>LF | -            | \$4.00       |              |                   |                  | \$3.80                     |              | \$4.00      |                | \$4.00      |                |
|       |      | No. 3 AWG Electrical Conductor, Installed in Conduit                                 |          | 17,570       | \$3.50       | \$61,495.00  | \$3.10            | \$54,467.00      | \$3.30                     | \$57,981.00  | \$4.00      | \$70,280.00    | \$3.50      | \$61,495.00    |
|       |      | No. 8 AWG Electrical Conductor, Installed in Conduit                                 | LF       | 4,120        | \$3.00       | \$12,360.00  | \$1.90            | \$7,828.00       | \$2.00                     | \$8,240.00   | \$2.00      | \$8,240.00     | \$2.00      | \$8,240.00     |
|       | _    | No. 10 AWG Electrical Conductor, Installed   | LF       | 12,000       | \$2.00       | \$24,000.00  | \$1.50            | \$18,000.00      | \$1.60                     | \$19,200.00  | \$2.00      | \$24,000.00    | \$1.75      | \$21,000.00    |
|       |      | Electical Service Pedestal, Installed  | EA       | 3            | \$15,000.00  | \$45,000.00  | \$7,340.00        | \$22,020.00      | \$7,700.00                 | \$23,100.00  | \$8,282.00  | \$24,846.00    | \$7,880.00  | \$23,640.00    |
|       |      | Class 1 Pull Box, Installed  | EA       | 8            | \$1,000.00   | \$8,000.00   | \$2,337.00        | \$18,696.00      | \$2,500.00                 | \$20,000.00  | \$2,637.00  | \$21,096.00    | \$2,510.00  | \$20,080.00    |
|       |      | NEMA 3R Junction Box, Installed  | EA       | 3            | \$1,500.00   | \$4,500.00   | \$1,988.00        | \$5,964.00       | \$2,100.00                 | \$6,300.00   | \$2,243.00  | \$6,729.00     | \$2,150.00  | \$6,450.00     |
| 218   | SP   | 3/4" X 10' Copper-Clad Steel Ground Rod, Installed                                   | EA       | 58           | \$200.00     | \$11,600.00  | \$127.00          | \$7,366.00       | \$130.00                   | \$7,540.00   | \$143.00    | \$8,294.00     | \$137.00    | \$7,946.00     |
| 219 3 | 3900 | Water Line Pipe (20" C900 DR-18 PVC)   | LF       | 465          | \$150.00     | \$69,750.00  | \$217.35          | \$101,067.75     | \$420.00                   | \$195,300.00 | \$291.00    | \$135,315.00   | \$244.00    | \$113,460.00   |
| 220 3 | 3900 | Water Line Pipe (16" C900 DR-18 PVC)   | LF       | 229          | \$125.00     | \$28,625.00  | \$144.43          | \$33,074.47      | \$230.00                   | \$52,670.00  | \$187.00    | \$42,823.00    | \$211.00    | \$48,319.00    |
|       |      | Water Line Pipe (12" C900 DR-18 PVC)   | LF       | 7,206        | \$115.00     | \$828,690.00 | \$74.93           | \$539,945.58     | \$130.00                   | \$936,780.00 | \$108.00    | \$778,248.00   | \$167.75    | \$1,208,806.50 |
| 222 3 | 3900 | Water Line Pipe (8" C900 DR-18 PVC)  | LF       | 282          | \$110.00     | \$31,020,00  | \$52.85           | \$14,903,70      | \$160.00                   | \$45,120,00  | \$95.00     | \$26,790,00    | \$119.00    | \$33,558.00    |
|       |      | Water Line Pipe (6" C900 DR-18 PVC)  | LF       | 50           | \$100.00     | \$5,000.00   | \$59.81           | \$2,990.50       | \$97.00                    | \$4,850.00   | \$49.00     | \$2,450.00     | \$97.50     | \$4,875.00     |
|       |      | Water Line Pipe (4" C900 DR-18 PVC)  | LF       | 173          | \$75.00      | \$12,975.00  | \$44.63           | \$7,720.99       | \$86.00                    | \$14,878.00  | \$43.00     | \$7,439.00     | \$86.50     | \$14,964.50    |
|       |      | Water Line Pipe (12" Special Class 53 Ductile Iron)                                  | LF       | 60           | \$150.00     | \$9,000,00   | \$628.01          | \$37,680,60      | \$540.00                   | \$32,400.00  | \$485.00    | \$29,100.00    | \$184.00    | \$11,040.00    |
|       |      | Sanitary Sewer Force Main Pipe (12" DR-11 DIPS HDPE)                                 | LF       | 4.788        | \$120.00     | \$574,560.00 | \$78.12           | \$374,038.56     | \$160.00                   | \$766,080.00 | \$100.00    | \$478,800.00   | \$178.50    | \$854,658.00   |
|       |      | Sanitary Sewer Pipe (8" SDR-26 PVC)  | LF       | 826          | \$90.00      | \$74,340.00  | \$88.67           | \$73,241.42      | \$140.00                   | \$115,640.00 | \$100.00    | \$87,556.00    | \$176.50    | \$156,940.00   |
|       |      | Water Line Pipe (8" SDR-26 PVC) Water Line Pipe (12" Welded Steel, Insulated)        | LF       | 270          | \$90.00      | \$74,340.00  | \$1,778.74        | \$480,259.80     | \$140.00                   | \$115,640.00 |             | \$87,556.00    | \$190.00    | \$156,940.00   |
|       |      |  | EA EA    | <del> </del> | · ·          |              |                   |                  |                            |              | \$772.00    |                |             |                |
|       |      | Water Line Valve (10" Gate Valve)  |          | 1            | \$3,000.00   | \$3,000.00   | \$4,114.67        | \$4,114.67       | \$5,600.00                 | \$5,600.00   | \$4,061.00  | \$4,061.00     | \$3,461.00  | \$3,461.00     |
|       |      | Water Line Valve (8" Gate Valve)   | EA       | 2            | \$2,000.00   | \$4,000.00   | \$2,749.64        | \$5,499.28       | \$4,500.00                 | \$9,000.00   | \$2,990.00  | \$5,980.00     | \$1,950.00  | \$3,900.00     |
|       |      | Water Line Valve (4" Gate Valve)   | EA       | 2            | \$1,500.00   | \$3,000.00   | \$1,802.32        | \$3,604.64       | \$3,500.00                 | \$7,000.00   | \$2,061.00  | \$4,122.00     | \$1,300.00  | \$2,600.00     |
|       |      | Water Line Valve (20" Butterfly Valve)   | EA       | 2            | \$9,000.00   | \$18,000.00  | \$12,450.48       | \$24,900.96      | \$14,100.00                | \$28,200.00  | \$12,297.00 | \$24,594.00    | \$13,000.00 | \$26,000.00    |
|       |      | Water Line Valve (16" Butterfly Valve)   | EA       | 2            | \$7,500.00   | \$15,000.00  | \$8,638.20        | \$17,276.40      | \$10,100.00                | \$20,200.00  | \$8,395.00  | \$16,790.00    | \$8,650.00  | \$17,300.00    |
|       |      | Water Line Valve (12" Butterfly Valve)   | EA       | 20           | \$3,500.00   | \$70,000.00  | \$5,875.78        | \$117,515.60     | \$7,500.00                 | \$150,000.00 | \$5,787.00  | \$115,740.00   | \$5,950.00  | \$119,000.00   |
|       |      | Water Line Fittings (20" 90° Bend)   | EA       | 1            | \$6,800.00   | \$6,800.00   | \$4,908.54        | \$4,908.54       | \$8,200.00                 | \$8,200.00   | \$5,373.00  | \$5,373.00     | \$5,084.00  | \$5,084.00     |
| 236 3 | 3900 | Water Line Fittings (20" 45° Bend)   | EA       | 3            | \$5,000.00   | \$15,000.00  | \$3,544.55        | \$10,633.65      | \$4,700.00                 | \$14,100.00  | \$4,036.00  | \$12,108.00    | \$3,894.00  | \$11,682.00    |
| 237 3 | 3900 | Water Line Fittings (20" 22.5° Bend)   | EA       | 2            | \$5,000.00   | \$10,000.00  | \$3,584.84        | \$7,169.68       | \$4,000.00                 | \$8,000.00   | \$4,076.00  | \$8,152.00     | \$3,786.00  | \$7,572.00     |
|       |      | Water Line Fittings (20" Solid Sleeve)   | EA       | 2            | \$3,500.00   | \$7,000.00   | \$3,505.42        | \$7,010.84       | \$3,600.00                 | \$7,200.00   | \$3,998.00  | \$7,996.00     | \$3,678.00  | \$7,356.00     |
|       |      | Water Line Fittings (20" Foster Adapter)   | EA       | 1            | \$800.00     | \$800.00     | \$1,349.48        | \$1,349.48       | \$1,300.00                 | \$1,300.00   | \$1,885.00  | \$1,885.00     | \$1,300.00  | \$1,300.00     |
|       |      | Water Line Fittings (20" x 6" Tee)   | EA       | 1            | \$4,800.00   | \$4,800.00   | \$4,315.75        | \$4,315.75       | \$4,500.00                 | \$4,500.00   | \$4,792.00  | \$4,792.00     | \$4,867.00  | \$4,867.00     |
|       |      | Water Line Fittings (16" 90° Bend)   | EA       | 1            | \$3,600.00   | \$3,600.00   | \$2,583.41        | \$2,583.41       | \$4,200.00                 | \$4,200.00   | \$2,763.00  | \$2,763.00     | \$3,150.00  | \$3,150.00     |
|       |      | Water Line Fittings (16" 45° Bend)   | EA       | 3            | \$2,600.00   | \$7,800.00   | \$2,520.11        | \$7,560.33       | \$3,000.00                 | \$9,000.00   | \$2,702.00  | \$8,106.00     | \$2,921.00  | \$8,763.00     |
|       |      | Water Line Fittings (16" 22.5° Bend)   | EA       | 1            | \$2,300.00   | \$2,300.00   | \$2,454.49        | \$2,454,49       | \$2,700.00                 | \$2,700.00   | \$2,637.00  | \$2,637.00     | \$2,704.00  | \$2,704.00     |
|       |      | Water Line Fittings (16" 22.5" Bend (Vertical))                                      | EA       | 1            | \$2,800.00   | \$2,800.00   | \$2,454.49        | \$2,454.49       | \$2,700.00                 | \$2,700.00   | \$2,637.00  | \$2,637.00     | \$3,461.00  | \$3,461.00     |
|       |      |  | EA       | 3            | \$2,800.00   | \$2,800.00   | \$2,380.84        |                  | \$2,700.00                 | \$7,200.00   | \$2,565.00  |                | \$2,596.00  |                |
| 240 3 | 1300 | Water Line Fittings (16" Solid Sleeve)   | LA       | _ ა          | Φ∠,∠ου.υυ    | φο,/50.00    | <b>⊅∠,ა</b> 6U.84 | \$7,142.52       | <b>⊅∠,4∪∪.∪∪</b>           | φ/,200.00    | ֆ∠,ენ5.UU   | \$7,695.00     | Φ∠,5⊌0.UU   | \$7,788.00     |





|                    |   |          |           | Engineer's               | 3/28/20<br>s Estimate of  |                           | truction Company          | Radmach                   | er Brothers               | Emery Sap                 | p & Sons, Inc.            | J.M. Fahey                | Construction              |
|--------------------|---|----------|-----------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                    | † Non-Participating items   |          |           | Proba                    | ble Cost                  |                           |                           | Excavati                  | ng Co. Inc                | LINUT                     |                           | Company                   |                           |
| ITEM SPE           |   |          | ESTIMATED | UNIT                     |                           | UNIT                      |                           | UNIT                      |                           | UNIT                      |                           | UNIT                      |                           |
| NO. NO             |   | UNIT     | QUANTITY  | PRICE                    | AMOUNT                    | PRICE                     | AMOUNT                    | PRICE                     | AMOUNT                    | PRICE                     | AMOUNT                    | PRICE                     | AMOUNT                    |
|                    | Water Line Fittings (16" Foster Adapter)  | EA       | 1         | \$480.00                 | \$480.00                  | \$1,106.08                | \$1,106.08                | \$1,100.00                | \$1,100.00                | \$1,301.00                | \$1,301.00                | \$973.50                  | \$973.50                  |
|                    | Water Line Fittings (16" x 12" Reducer)   | EA       | 1 04      | \$1,600.00               | \$1,600.00                | \$1,640.70                | \$1,640.70                | \$1,600.00                | \$1,600.00                | \$1,839.00                | \$1,839.00                | \$2,163.00                | \$2,163.00<br>\$41,544.00 |
|                    | Water Line Fittings (12" 45° Bend)  Water Line Fittings (12" 45° Bend (Vertical))                         | EA<br>EA | 24        | \$1,500.00<br>\$1.800.00 | \$36,000.00<br>\$7,200.00 | \$1,451.94<br>\$1.451.94  | \$34,846.56<br>\$5.807.76 | \$1,700.00<br>\$1,700.00  | \$40,800.00<br>\$6,800.00 | \$1,487.00<br>\$1,487.00  | \$35,688.00<br>\$5.948.00 | \$1,731.00<br>\$2,163.00  | \$41,544.00               |
|                    | Water Line Fittings (12 45 Bend (vertical))  Water Line Fittings (12" 22.5° Bend)                         | EA       | 6         | \$1,250.00               | \$7,500.00                | \$1,348.35                | \$8,090.10                | \$1,400.00                | \$8,400.00                | \$1,487.00                | \$8,316.00                | \$1,623.00                | \$9,738.00                |
|                    | Water Line Fittings (12 22.5 Bend)  Water Line Fittings (12" 22.5 Bend (Vertical))                        | EA       | 5         | \$1,500.00               | \$7,500.00                | \$1,348.35                | \$6,741.75                | \$1,500.00                | \$7,500.00                | \$1,386.00                | \$6,930.00                | \$2,163.00                | \$10,815.00               |
|                    | Water Line Fittings (12" 11.25° Bend)   | EA       | 2         | \$1,100.00               | \$2,200.00                | \$1,209.07                | \$2,418.14                | \$1,100.00                | \$2,200.00                | \$1,376.00                | \$2,752.00                | \$1,515.00                | \$3,030.00                |
|                    | Water Line Fittings (12" 11.25° Bend (Vertical))  | EA       | 1         | \$1,300.00               | \$1,300.00                | \$1,209.05                | \$1,209.05                | \$1,300.00                | \$1,300.00                | \$1,376.00                | \$1,376.00                | \$2,055.00                | \$2,055.00                |
|                    | Water Line Fittings (12" Solid Sleeve)  | EA       | 7         | \$1,050.00               | \$7,350.00                | \$1,321.87                | \$9,253.09                | \$1,300.00                | \$9,100.00                | \$1,360.00                | \$9,520.00                | \$1,515.00                | \$10,605.00               |
| 255 390            | Water Line Fittings (12" Foster Adapter)  | EA       | 5         | \$240.00                 | \$1,200.00                | \$800.44                  | \$4,002.20                | \$760.00                  | \$3,800.00                | \$850.00                  | \$4,250.00                | \$758.00                  | \$3,790.00                |
| 256 390            | Water Line Fittings (12" x 10" Reducer)   | EA       | 1         | \$850.00                 | \$850.00                  | \$1,293.08                | \$1,293.08                | \$1,300.00                | \$1,300.00                | \$1,332.00                | \$1,332.00                | \$1,082.00                | \$1,082.00                |
|                    | Water Line Fittings (12" x 12" Tee)   | EA       | 3         | \$1,900.00               | \$5,700.00                | \$1,859.41                | \$5,578.23                | \$2,400.00                | \$7,200.00                | \$1,887.00                | \$5,661.00                | \$2,272.00                | \$6,816.00                |
|                    | Water Line Fittings (12" x 8" Tee)  | EA       | 1         | \$1,800.00               | \$1,800.00                | \$1,596.96                | \$1,596.96                | \$1,700.00                | \$1,700.00                | \$1,631.00                | \$1,631.00                | \$1,950.00                | \$1,950.00                |
|                    | Water Line Fittings (12" x 6" Tee)  | EA       | 9         | \$1,700.00               | \$15,300.00               | \$1,568.20                | \$14,113.80               | \$1,600.00                | \$14,400.00               | \$1,602.00                | \$14,418.00               | \$1,839.00                | \$16,551.00               |
|                    | Water Line Fittings (12" x 4" Tee)  | EA       | 1         | \$1,550.00               | \$1,550.00                | \$1,627.44                | \$1,627.44                | \$1,600.00                | \$1,600.00                | \$1,600.00                | \$1,600.00                | \$1,731.00                | \$1,731.00                |
|                    | Water Line Fittings (10" 45° Bend)  | EA       | 1         | \$1,200.00               | \$1,200.00                | \$1,261.40                | \$1,261.40                | \$1,400.00                | \$1,400.00                | \$1,241.00                | \$1,241.00                | \$1,515.00                | \$1,515.00                |
|                    | Water Line Fittings (10" Solid Sleeve)  | EA       | 1         | \$900.00                 | \$900.00                  | \$1,255.65                | \$1,255.65                | \$1,200.00                | \$1,200.00                | \$1,235.00                | \$1,235.00                | \$1,406.00                | \$1,406.00                |
|                    | Water Line Fittings (8" 45° Bend) Water Line Fittings (8" Solid Sleeve)                                   | EA<br>EA | 3         | \$750.00<br>\$720.00     | \$2,250.00<br>\$720.00    | \$992.06<br>\$992.06      | \$2,976.18<br>\$992.06    | \$980.00<br>\$900.00      | \$2,940.00<br>\$900.00    | \$978.00<br>\$978.00      | \$2,934.00<br>\$978.00    | \$1,190.00<br>\$1,082.00  | \$3,570.00<br>\$1,082.00  |
|                    | Water Line Fittings (8" Solid Sleeve)  Water Line Fittings (8" Foster Adapter)                            | EA<br>EA | 1         | \$720.00<br>\$150.00     | \$720.00<br>\$150.00      | \$992.06                  | \$992.06<br>\$733.07      | \$900.00<br>\$630.00      | \$900.00                  | \$978.00<br>\$722.00      | \$978.00<br>\$722.00      | \$1,082.00<br>\$650.00    | \$1,082.00<br>\$650.00    |
|                    | Water Line Fittings (8" x 6" Tee)   | EA       | 1         | \$1,150.00               | \$1,150.00                | \$1,223.42                | \$1,223.42                | \$1,200.00                | \$1,200.00                | \$1,204.00                | \$1,204.00                | \$1,352.00                | \$1,352.00                |
|                    | Water Line Fittings (6 x 6 Tee)  Water Line Fittings (6" 90° Bend)  | EA       | 3         | \$640.00                 | \$1,920.00                | \$908.03                  | \$2,724.09                | \$1,200.00                | \$2,730.00                | \$728.00                  | \$2,184.00                | \$974.00                  | \$2,922.00                |
|                    | Water Line Fittings (6" 45° Bend)   | EA       | 1         | \$525.00                 | \$525.00                  | \$866.59                  | \$866.59                  | \$800.00                  | \$800.00                  | \$688.00                  | \$688.00                  | \$920.00                  | \$920.00                  |
|                    | Water Line Fittings (6" 22.5° Bend)   | EA       | 1         | \$410.00                 | \$410.00                  | \$847.03                  | \$847.03                  | \$760.00                  | \$760.00                  | \$669.00                  | \$669.00                  | \$866.00                  | \$866.00                  |
|                    | Water Line Fittings (4" 90° Bend)   | EA       | 1         | \$290.00                 | \$290.00                  | \$780.26                  | \$780.26                  | \$680.00                  | \$680.00                  | \$603.00                  | \$603.00                  | \$812.00                  | \$812.00                  |
|                    | Water Line Fittings (4" 22.5° Bend)   | EA       | 2         | \$240.00                 | \$480.00                  | \$752.64                  | \$1,505.28                | \$650.00                  | \$1,300.00                | \$576.00                  | \$1,152.00                | \$758.00                  | \$1,516.00                |
|                    | Water Line Fittings (4" Solid Sleeve)   | EA       | 1         | \$325.00                 | \$325.00                  | \$772.21                  | \$772.21                  | \$670.00                  | \$670.00                  | \$595.00                  | \$595.00                  | \$650.00                  | \$650.00                  |
| 273 390            | Water Line Fittings (4" Foster Adapter)   | EA       | 1         | \$65.00                  | \$65.00                   | \$638.68                  | \$638.68                  | \$530.00                  | \$530.00                  | \$464.00                  | \$464.00                  | \$433.00                  | \$433.00                  |
|                    | Fire Hydrant Assembly   | EA       | 12        | \$5,000.00               | \$60,000.00               | \$7,633.03                | \$91,596.36               | \$8,100.00                | \$97,200.00               | \$8,099.00                | \$97,188.00               | \$8,112.00                | \$97,344.00               |
| 275 390            | Adjust Fire Hydrant to Grade  | EA       | 1         | \$1,250.00               | \$1,250.00                | \$2,450.98                | \$2,450.98                | \$2,400.00                | \$2,400.00                | \$1,893.00                | \$1,893.00                | \$1,082.00                | \$1,082.00                |
|                    | Salvage Fire Hydrant  | EA       | 1         | \$500.00                 | \$500.00                  | \$2,664.64                | \$2,664.64                | \$1,500.00                | \$1,500.00                | \$1,689.00                | \$1,689.00                | \$1,623.00                | \$1,623.00                |
|                    | Salvage Backflow Preventer  | EA       | 1         | \$500.00                 | \$500.00                  | \$2,664.64                | \$2,664.64                | \$390.00                  | \$390.00                  | \$2,252.00                | \$2,252.00                | \$650.00                  | \$650.00                  |
| 278 390            | 3   | EA       | 1         | \$5,000.00               | \$5,000.00                | \$2,664.64                | \$2,664.64                | \$4,600.00                | \$4,600.00                | \$2,252.00                | \$2,252.00                | \$650.00                  | \$650.00                  |
| 279 350            |   | EA       | 3         | \$500.00                 | \$1,500.00                | \$2,664.64                | \$7,993.92                | \$2,700.00                | \$8,100.00                | \$1,126.00                | \$3,378.00                | \$433.00                  | \$1,299.00                |
|                    | 24" Steel Encasement (0.281" min. wall) by Open Cut   | LF       | 220       | \$250.00                 | \$55,000.00               | \$342.69                  | \$75,391.80               | \$280.00                  | \$61,600.00               | \$239.00                  | \$52,580.00               | \$346.00                  | \$76,120.00               |
|                    | 24" Bored Steel Encasement (0.281" min. wall)   | LF       | 91        | \$400.00                 | \$36,400.00               | \$921.90                  | \$83,892.90               | \$2,000.00                | \$182,000.00              | \$1,261.00                | \$114,751.00              | \$1,190.00                | \$108,290.00              |
|                    | 0 30" Bored Steel Encasement (0.375" min. wall)   | LF       | 120       | \$500.00                 | \$60,000.00               | \$764.44                  | \$91,732.80               | \$770.00                  | \$92,400.00               | \$1,342.00                | \$161,040.00              | \$1,298.00                | \$155,760.00              |
|                    | 24" Bridge-Mounted Steel Encasement (0.281" min. wall)  | LF       | 140       | \$300.00                 | \$42,000.00               | \$779.08                  | \$109,071.20              | \$360.00                  | \$50,400.00               | \$529.00                  | \$74,060.00               | \$650.00                  | \$91,000.00               |
| 284 390<br>285 390 |   | EA<br>EA | 1         | \$1,000.00               | \$1,000.00                | \$7,752.29                | \$7,752.29                | \$9,800.00                | \$9,800.00                | \$2,906.00                | \$2,906.00                | \$8,112.00                | \$8,112.00                |
|                    | O Air Release Valve Assembly (Water) O Air/Vacuum Release Assembly  | EA       | 3         | \$3,000.00<br>\$6,000.00 | \$3,000.00<br>\$18,000.00 | \$9,260.17<br>\$11,320.55 | \$9,260.17<br>\$33,961.65 | \$5,700.00<br>\$18,300.00 | \$5,700.00<br>\$54,900.00 | \$2,906.00<br>\$11,785.00 | \$2,906.00<br>\$35,355.00 | \$8,112.00<br>\$17,305.00 | \$8,112.00<br>\$51,915.00 |
| 287 390            |   | LS       | 1         | \$50,000.00              | \$50,000.00               | \$158,758.86              | \$158,758.86              | \$157,500.00              | \$157,500.00              | \$190,402.00              | \$190,402.00              | \$135,191.00              | \$135,191.00              |
| 288                | Bridge Bine Support System (Vertical and Lateral) for 12" Water   |          | · ·       |                          |                           |                           |                           |                           |                           |                           |                           |                           |                           |
| PSP2               | Line and Steel Casing   | EA       | 1         | \$240,000.00             | \$240,000.00              | \$171,419.27              | \$171,419.27              | \$319,100.00              | \$319,100.00              | \$305,911.00              | \$305,911.00              | \$392,254.00              | \$392,254.00              |
| 289 PSP2           | Pipe Expansion Joint  | EA       | 2         | \$5,000.00               | \$10,000.00               | \$15,129.14               | \$30,258.28               | \$17.800.00               | \$35,600.00               | \$15,928.00               | \$31,856.00               | \$27,600.00               | \$55,200.00               |
|                    | 3 Bridge Wall Sleeve (16" with Waterstop)   | EA       | 1         | \$1,500.00               | \$1,500.00                | \$2,302.11                | \$2,302.11                | \$5,300.00                | \$5,300.00                | \$3,654.00                | \$3,654.00                | \$7,400.00                | \$7,400.00                |
|                    | 3 Bridge Wall Sleeve (28" with Waterstop)   | EA       | 1         | \$3,500.00               | \$3,500.00                | \$5,525.05                | \$5,525.05                | \$8,600.00                | \$8,600.00                | \$7,511.00                | \$7,511.00                | \$10,275.00               | \$10,275.00               |
|                    | Bridge Wall Sleeve (28" with Casing Spacers)  | EA       | 1         | \$3,200.00               | \$3,200.00                | \$5,525.05                | \$5,525.05                | \$8,600.00                | \$8,600.00                | \$7,840.00                | \$7,840.00                | \$10,924.00               | \$10,924.00               |
|                    | Water Service Tap   | EA       | 1         | \$1,000.00               | \$1,000.00                | \$1,648.86                | \$1,648.86                | \$2,600.00                | \$2,600.00                | \$873.00                  | \$873.00                  | \$541.00                  | \$541.00                  |
| 294 390            | Water Service Line Pipe (1" Type K Copper)  | LF       | 150       | \$60.00                  | \$9,000.00                | \$30.84                   | \$4,626.00                | \$50.00                   | \$7,500.00                | \$36.00                   | \$5,400.00                | \$38.00                   | \$5,700.00                |
| 295 390            | +   | LF       | 85        | \$40.00                  | \$3,400.00                | \$6.91                    | \$587.35                  | \$44.00                   | \$3,740.00                | \$25.00                   | \$2,125.00                | \$65.00                   | \$5,525.00                |
| 296 390            | 11444   | EA       | 1         | \$1,500.00               | \$1,500.00                | \$997.96                  | \$997.96                  | \$3,400.00                | \$3,400.00                | \$890.00                  | \$890.00                  | \$1,300.00                | \$1,300.00                |
|                    | Water Meter Installation  | EA       | 1         | \$500.00                 | \$500.00                  | \$1,665.26                | \$1,665.26                | \$2,300.00                | \$2,300.00                | \$890.00                  | \$890.00                  | \$1,300.00                | \$1,300.00                |
|                    | Water Service Reconnection  | EA       | 1         | \$1,000.00               | \$1,000.00                | \$1,331.04                | \$1,331.04                | \$2,300.00                | \$2,300.00                | \$890.00                  | \$890.00                  | \$541.00                  | \$541.00                  |
|                    | Straddle Block  | EA       | 12        | \$2,250.00               | \$27,000.00               | \$564.02                  | \$6,768.24                | \$5,200.00                | \$62,400.00               | \$779.00                  | \$9,348.00                | \$1,300.00                | \$15,600.00               |
| 300 390            |   | EA       | 12        | \$1,250.00               | \$15,000.00               | \$2,684.68                | \$32,216.16               | \$2,900.00                | \$34,800.00               | \$3,794.00                | \$45,528.00               | \$4,000.00                | \$48,000.00               |
| 301 350            |   | LS       | 1         | \$15,000.00              | \$15,000.00               | \$30,258.94               | \$30,258.94               | \$42,000.00               | \$42,000.00               | \$28,207.00               | \$28,207.00               | \$27,039.00               | \$27,039.00               |
| 302 350<br>303 350 | Sewer Bypass Pumping (Force Main)   | LS<br>EA | 9         | \$15,000.00              | \$15,000.00               | \$26,385.92               | \$26,385.92               | \$30,000.00<br>\$930.00   | \$30,000.00               | \$39,488.00<br>\$957.00   | \$39,488.00               | \$43,261.00               | \$43,261.00               |
|                    | Force Main Fabricated Fitting (12" DR-11 DIPS HDPE)  Force Main Fitting (D.I. to HDPE Transition Fitting) | EA<br>EA | 9         | \$2,500.00<br>\$3,000.00 | \$22,500.00<br>\$3,000.00 | \$1,220.09<br>\$4,592.44  | \$10,980.81<br>\$4,592.44 | \$930.00                  | \$8,370.00<br>\$2,100.00  | \$957.00                  | \$8,613.00<br>\$2,150.00  | \$1,298.00<br>\$2,163.00  | \$11,682.00<br>\$2,163.00 |
|                    | Force Main Valve (12" Plug Valve)   | EA       | 1         | \$5,000.00               | \$5,000.00                | \$9,833.99                | \$9,833.99                | \$2,100.00                | \$2,100.00                | \$9,509.00                | \$2,150.00                | \$2,163.00                | \$2,163.00                |
|                    | 0 4' ID Manhole, 0' to 6' Depth   | EA       | 2         | \$4,500.00               | \$9,000.00                | \$8,080.22                | \$16,160,44               | \$6.300.00                | \$10,600.00               | \$9,509.00                | \$18.540.00               | \$5,408.00                | \$10,275.00               |
|                    | 0 4' ID Drop Manhole, 0' to 6' Depth  | EA       | 3         | \$5,500.00               | \$16,500.00               | \$8,784.66                | \$26,353.98               | \$7,000.00                | \$21,000.00               | \$10,118.00               | \$30,354.00               | \$6,490.00                | \$19,470.00               |
|                    | 5' ID Manhole, 0' to 6' Depth   | EA       | 2         | \$5,000.00               | \$10,000.00               | \$8,357.62                | \$16,715.24               | \$6,600.00                | \$13,200.00               | \$9,889.00                | \$19,778.00               | \$6,490.00                | \$12,980.00               |
| 222   330          | 1- 1- 11-11-11-11-11-11-11-11-11-11-11-1  |          |           | 40,000.00                | \$.0,000.00               | 40,007.0L                 | ψ.0,7 10.2 <del>4</del>   | \$5,550.00                | Ψ.0,200.00                | \$5,550.00                | Q.0,770.00                | ψο, .ου.ου                | Ų.L,000.00                |





|      |       |  |      |                  | Engineer's | s Estimate of               | Clarkson Construction Company |                    | Radmacher Brothers |             | Emery Sapp & Sons, Inc. |             | J.M. Fahey Construction |             |
|------|-------|--|------|------------------|------------|-----------------------------|-------------------------------|--------------------|--------------------|-------------|-------------------------|-------------|-------------------------|-------------|
|      |       | † Non-Participating items                        |      |                  | Proba      | Probable Cost Probable Cost |                               | Excavating Co. Inc |                    |             |                         | Company     |                         |             |
| ITEM | SPEC. |  |      | <b>ESTIMATED</b> | UNIT       |                             | UNIT                          |                    | UNIT               |             | UNIT                    |             | UNIT                    |             |
| NO.  | NO.   | DESCRIPTION                                      | UNIT | QUANTITY         | PRICE      | AMOUNT                      | PRICE                         | AMOUNT             | PRICE              | AMOUNT      | PRICE                   | AMOUNT      | PRICE                   | AMOUNT      |
| 309  | 3500  | 4' ID Manhole Additional Depth, Over 6'          | VF   | 18.0             | \$300.00   | \$5,400.00                  | \$143.88                      | \$2,589.84         | \$170.00           | \$3,060.00  | \$192.00                | \$3,456.00  | \$271.00                | \$4,878.00  |
| 310  | 3900  | 5' ID Manhole Additional Depth, Over 6'          | VF   | 2.0              | \$350.00   | \$700.00                    | \$287.77                      | \$575.54           | \$150.00           | \$300.00    | \$192.00                | \$384.00    | \$325.00                | \$650.00    |
| 311  | 3500  | Trench Checks                                    | EA   | 10               | \$1,000.00 | \$10,000.00                 | \$333.08                      | \$3,330.80         | \$1,100.00         | \$11,000.00 | \$658.00                | \$6,580.00  | \$974.00                | \$9,740.00  |
| 312  | 3500  | Flexible Epoxy Liner for Interior of Ex. Manhole | SF   | 160              | \$20.00    | \$3,200.00                  | \$38.00                       | \$6,080.00         | \$17.60            | \$2,816.00  | \$43.00                 | \$6,880.00  | \$67.25                 | \$10,760.00 |
| 313  | 3900  | Epoxy Liner for Interior of New Manhole          | SF   | 125              | \$15.00    | \$1,875.00                  | \$7.90                        | \$987.50           | \$20.00            | \$2,500.00  | \$30.00                 | \$3,750.00  | \$54.00                 | \$6,750.00  |
| 314  | 3900  | Concrete Encasement                              | LF   | 16               | \$100.00   | \$1,600.00                  | \$750.76                      | \$12,012.16        | \$510.00           | \$8,160.00  | \$237.00                | \$3,792.00  | \$325.00                | \$5,200.00  |
| 315  | 3900  | Flowable Fill for Abandoned Pipes                | CY   | 95               | \$300.00   | \$28,500.00                 | \$334.74                      | \$31,800.30        | \$300.00           | \$28,500.00 | \$188.00                | \$17,860.00 | \$325.00                | \$30,875.00 |
| 316  | 3900  | Demolish Existing Manhole                        | EA   | 5                | \$1,500.00 | \$7,500.00                  | \$1,643.10                    | \$8,215.50         | \$150.00           | \$750.00    | \$1,209.00              | \$6,045.00  | \$865.25                | \$4,326.25  |





|      |      | † Non-Participating items   |      |                   | Engineer's Estimate of Clarkson Construction Company Probable Cost Probable Cost |                 | Radmacher Brothers Excavating Co. Inc |                 | Emery Sapp & Sons, Inc. |                 |                | Construction    |              |                 |
|------|------|---|------|-------------------|--|-----------------|---------------------------------------|-----------------|-------------------------|-----------------|----------------|-----------------|--------------|-----------------|
| ITEM | SPEC |   |      | ESTIMATED         | UNIT   | Die Cost        | UNIT                                  | ible Cost       | UNIT                    | ing co. inc     | UNIT           |                 | UNIT         | inpany          |
| NO.  | NO.  | DESCRIPTION   | UNIT | QUANTITY          | PRICE  | AMOUNT          | PRICE                                 | AMOUNT          | PRICE                   | AMOUNT          | PRICE          | AMOUNT          | PRICE        | AMOUNT          |
| 317  | PSP2 | Reconstruct Salvaged Stone Wall (36" Tall)                        | EA   | 1                 | \$30,000.00  | \$30,000.00     | \$12,661.22                           | \$12,661.22     | \$41,700.00             | \$41,700.00     | \$117,902.00   | \$117,902.00    | \$4,795.00   | \$4,795.00      |
| 318  | PSP2 | Remove and Reset Art Panels w/ new footings                       | EA   | 6                 | \$2,500.00   | \$15,000.00     | \$1,023.05                            | \$6,138.30      | \$1,900.00              | \$11,400.00     | \$5,641.00     | \$33,846.00     | \$1,012.25   | \$6,073.50      |
| 319  | PSP2 | Remove and Reset Stone Border (center median south of roundabout) | LS   | 1                 | \$3,500.00   | \$3,500.00      | \$516.13                              | \$516.13        | \$3,700.00              | \$3,700.00      | \$7,115.00     | \$7,115.00      | \$3,730.00   | \$3,730.00      |
| 320  | PSP2 | 8" x 8" Cedar Posts with Caps †                                   | EA   | 76                | \$500.00   | \$38,000.00     | \$1,000.00                            | \$76,000.00     | \$880.00                | \$66,880.00     | \$565.00       | \$42,940.00     | \$373.00     | \$28,348.00     |
| 321  | PSP2 | 8" x 8" Cedar Post Driveway Access Control with Caps and Chain †  | EA   | 2                 | \$1,250.00   | \$2,500.00      | \$2,500.00                            | \$5,000.00      | \$920.00                | \$1,840.00      | \$676.00       | \$1,352.00      | \$507.00     | \$1,014.00      |
| 322  | PSP2 | Eastern Redbud (Multi-trunk) (2" cal)                             | EA   | 3                 | \$650.00   | \$1,950.00      | \$780.00                              | \$2,340.00      | \$420.00                | \$1,260.00      | \$880.00       | \$2,640.00      | \$533.00     | \$1,599.00      |
| 323  | PSP2 | Kallay's Compact Juniper (3-gal)                                  | EA   | 8                 | \$75.00  | \$600.00        | \$115.00                              | \$920.00        | \$63.00                 | \$504.00        | \$130.00       | \$1,040.00      | \$54.00      | \$432.00        |
| 324  | PSP2 | Magic Carpet Spirea (3-gal)                                       | EA   | 13                | \$75.00  | \$975.00        | \$105.00                              | \$1,365.00      | \$63.00                 | \$819.00        | \$118.00       | \$1,534.00      | \$54.00      | \$702.00        |
| 325  | PSP2 | Dwf. Hameln Fountain Grass (1-gal)                                | EA   | 40                | \$25.00  | \$1,000.00      | \$35.00                               | \$1,400.00      | \$37.00                 | \$1,480.00      | \$40.00        | \$1,600.00      | \$15.00      | \$600.00        |
| 326  | PSP2 | Aromatic Aster (Deep Cell Plug)                                   | EA   | 76                | \$5.00   | \$380.00        | \$15.00                               | \$1,140.00      | \$4.20                  | \$319.20        | \$17.00        | \$1,292.00      | \$7.00       | \$532.00        |
| 327  | PSP2 | Tussock Sedge (Deep Cell Plug)                                    | EA   | 181               | \$5.00   | \$905.00        | \$15.40                               | \$2,787.40      | \$4.20                  | \$760.20        | \$17.00        | \$3,077.00      | \$7.00       | \$1,267.00      |
| 328  | PSP2 | Brown Fox Sedge (Deep Cell Plug)                                  | EA   | 255               | \$5.00   | \$1,275.00      | \$15.40                               | \$3,927.00      | \$4.20                  | \$1,071.00      | \$17.00        | \$4,335.00      | \$7.00       | \$1,785.00      |
| 329  | PSP2 | Purple Coneflower (Deep Cell Plug)                                | EA   | 200               | \$5.00   | \$1,000.00      | \$15.00                               | \$3,000.00      | \$4.20                  | \$840.00        | \$17.00        | \$3,400.00      | \$7.00       | \$1,400.00      |
| 330  | PSP2 | Black-eyed Susan (Deep Cell Plug)                                 | EA   | 141               | \$5.00   | \$705.00        | \$15.00                               | \$2,115.00      | \$4.20                  | \$592.20        | \$17.00        | \$2,397.00      | \$7.00       | \$987.00        |
| 331  | PSP2 | Little Bluestem (Deep Cell Plug)                                  | EA   | 290               | \$5.00   | \$1,450.00      | \$15.00                               | \$4,350.00      | \$4.20                  | \$1,218.00      | \$17.00        | \$4,930.00      | \$7.00       | \$2,030.00      |
| 332  | 2400 | Special Seeding (Native Vegetation Mix)                           | ACRE | 0.1               | \$2,500.00   | \$250.00        | \$15,412.50                           | \$1,541.25      | \$5,300.00              | \$530.00        | \$16,444.00    | \$1,644.40      | \$55,950.00  | \$5,595.00      |
| 333  | 2400 | Special Seeding (Bioretention Mix)                                | ACRE | 0.1               | \$2,500.00   | \$250.00        | \$14,835.00                           | \$1,483.50      | \$5,300.00              | \$530.00        | \$17,435.00    | \$1,743.50      | \$58,604.00  | \$5,860.40      |
| 334  | PSP2 | Rock Mulch with Weed Barrier                                      | SY   | 662               | \$45.00  | \$29,790.00     | \$32.35                               | \$21,415.70     | \$21.00                 | \$13,902.00     | \$37.00        | \$24,494.00     | \$4.25       | \$2,813.50      |
| 335  | PSP2 | Steel Landscape Edging  | LF   | 210               | \$2.50   | \$525.00        | \$10.00                               | \$2,100.00      | \$3.20                  | \$672.00        | \$11.00        | \$2,310.00      | \$10.00      | \$2,100.00      |
| 336  | PSP3 | Railroad Permit Agreement Costs and Railroad Flagging             | LS   | 1                 | \$166,000.00   | \$166,000.00    | \$279,130.25                          | \$279,130.25    | \$463,400.00            | \$463,400.00    | \$1,047,313.00 | \$1,047,313.00  | \$230,000.00 | \$230,000.00    |
|      |      |   |      |                   |  |                 |                                       |                 |                         |                 |                |                 |              |                 |
|      |      |   |      | S                 | ubtotal Roadway  | \$15,743,405.94 |                                       | \$14,330,016.00 |                         | \$15,671,656.65 |                | \$16,430,047.46 |              | \$18,376,670.00 |
|      |      |   | Sul  | ototal Bridge and | d Retaining Walls  | \$5,921,000.00  |                                       | \$6,930,158.96  | •                       | \$6,523,810.00  | •              | \$7,958,577.70  |              | \$8,222,217.10  |
|      |      |   |      |                   | Subtotal Signal  | \$594,334.06    |                                       | \$549,753.47    | _                       | \$695,767.90    | _              | \$625,286.54    |              | \$591,463.29    |
|      |      |   |      |                   | Subtotal Lighting  | \$711,655.00    |                                       | \$876,758.00    | •                       | \$924,156.00    | •              | \$1,000,752.00  |              | \$946,873.50    |
|      |      |   |      | Subtotal \        | Nater and Sewer  | \$2,795,550.00  |                                       | \$3,162,919.84  | -                       | \$4,204,244.00  | -              | \$3,520,377.00  |              | \$4,589,511.75  |
|      |      |   |      | Sul               | ototal Landscape   | \$130,055.00    |                                       | \$150,200.50    |                         | \$150,017.60    |                | \$259,591.90    |              | \$71,663.40     |
|      |      |   |      |                   | Total  | \$25,896,000.00 |                                       | \$25,999,806.77 |                         | \$28,169,652.15 |                | \$29,794,632.60 |              | \$32,798,399.04 |