

## PRELIMINARY (90%) ESTIMATE OF PROBABLE COST

**PROJECT: CITY OF BOERNE TRAIL SYSTEM EXPANSION**

**LIMITS: NORTH TRAIL PATRICK HEATH PUBLIC LIBRARY TRAILHEAD TO OLD NUMBER 9 GREENWAY  
SOUTH TRAIL ALONG OLD NUMBER 9 ROUTE FROM CITY PARK TO HERFF RANCH SUBDIVISION**

**CSJ: 0915-11-033**

**SPEC YEAR: 2014**

THIS ESTIMATE REPRESENTS OUR JUDGMENT AS PROFESSIONALS FAMILIAR WITH THE CONSTRUCTION INDUSTRY. WE CANNOT AND DO NOT GUARANTEE THAT BIDS WILL NOT VARY FROM THIS ESTIMATE. THIS ESTIMATE IS BASED ON YEAR 2017 DOLLARS.

**Prepared By: Poznecki Camarillo, Inc.**

**Date: 5/1/2017**

| ITEM           | DESCRIPTION | UNIT                                    | QUANTITY | UNIT PRICE | COST                     |
|----------------|-------------|-----------------------------------------|----------|------------|--------------------------|
| <b>ROADWAY</b> |             |                                         |          |            |                          |
| 100            | 6002        | PREP ROW                                | STA      | 82         | \$ 1,000.00 \$ 82,000.00 |
| 104            | 6033        | REMOVING CONC (DRAIN)                   | SY       | 19         | \$ 45.00 \$ 855.00       |
| 110            | 6001        | EXCAVATION (ROADWAY)                    | CY       | 2032       | \$ 12.00 \$ 24,384.00    |
| 110            | 6002        | EXCAVATION (CHANNEL)                    | CY       | 124        | \$ 14.00 \$ 1,736.00     |
| 132            | 6002        | EMBANKMENT (FINAL)(DENS CONT)(TY A)     | CY       | 4292       | \$ 16.00 \$ 68,672.00    |
| 247            | 6362        | FL BS (CMP IN PLC) (TY A GR 4)(3")      | SY       | 8473       | \$ 15.00 \$ 127,095.00   |
| 423            | 6004        | RETAINING WALL (CONC BLOCK)             | SF       | 781        | \$ 60.00 \$ 46,860.00    |
| 432            | 6001        | RIPRAP (CONC) (4 IN)                    | CY       | 16         | \$ 400.00 \$ 6,400.00    |
| 432            | 6020        | RIPRAP (STONE TY F)(GROUT)(6 IN)        | CY       | 46         | \$ 200.00 \$ 9,200.00    |
| 432            | 6033        | RIPRAP (STONE PROTECTION) (18 IN)       | CY       | 32         | \$ 130.00 \$ 4,160.00    |
| 432            | 6035        | RIPRAP (STONE PROTECTION) (24 IN)       | CY       | 115        | \$ 150.00 \$ 17,250.00   |
| 450            | 6052        | RAIL (HANDRAIL) (TY F)                  | LF       | 388        | \$ 90.00 \$ 34,920.00    |
| 462            | 6096        | CONC BOX CULV (8 FT X 3 FT)             | LF       | 8          | \$ 100.00 \$ 800.00      |
| 464            | 6030        | RC PIPE (ARCH) (CL III) (DES 1)         | LF       | 108        | \$ 225.00 \$ 24,300.00   |
| 465            | 6233        | INLET (COMP) (TY SIDEWALK BRIDGE)       | EA       | 2          | \$ 700.00 \$ 1,400.00    |
| 466            | 6179        | WINGWALL (PW-1)(HW=4 FT)                | EA       | 2          | \$ 6,000.00 \$ 12,000.00 |
| 467            | 6514        | SET (TY II) (DES 1) (RCP) (3:1) (C)     | EA       | 2          | \$ 2,000.00 \$ 4,000.00  |
| 467            | 6518        | SET (TY II) (DES 1) (RCP) (6:1) (C)     | EA       | 2          | \$ 2,000.00 \$ 4,000.00  |
| 479            | 6004        | ADJUSTING MANHOLES (SANITARY)           | EA       | 1          | \$ 1,000.00 \$ 1,000.00  |
| 531            | 6032        | CONC SIDEWALKS (SPECIAL)(TYPE A)        | SY       | 87         | \$ 119.00 \$ 10,353.00   |
| 531            | 6038        | CURB RAMPS (TY 10)(MOD)                 | EA       | 4          | \$ 2,000.00 \$ 8,000.00  |
| 531            | 6042        | CONC SIDEWALKS (5") (TYPE 1)            | SY       | 8067       | \$ 87.50 \$ 705,862.50   |
| 531            | 6043        | CONC SIDEWALKS (5") (TYPE 2)            | SY       | 354        | \$ 100.00 \$ 35,400.00   |
| 644            | 6001        | IN SM RD SN SUP&AM TY 10BWG (1)SA(P)    | EA       | 2          | \$ 480.00 \$ 960.00      |
| 644            | 0000        | IN SM RD SN SUP&AM (TYPE 2)             | EA       | 15         | \$ 480.00 \$ 7,200.00    |
| 666            | 6048        | REFL PAV MARK TY 1 (W)24"(SLD) (100ML)  | LF       | 42         | \$ 12.00 \$ 504.00       |
| 666            | 6230        | PAVEMENT SEALER 24"                     | LF       | 42         | \$ 2.50 \$ 105.00        |
| 678            | 6008        | PAV SURF PREP FOR MRK (24")             | LF       | 42         | \$ 3.75 \$ 157.50        |
| 1002           | 0000        | LANDSCAPE AMENITY (REMOVABLE BOLLARD)   | EA       | 3          | \$ 600.00 \$ 1,800.00    |
| 1002           | 0000        | LANDSCAPE AMENITY (WELDED STL PIPE FNC) | LF       | 76         | \$ 40.00 \$ 3,040.00     |
| 1002           | 0000        | LANDSCAPE AMENITY (VEHICULAR GATE)      | EA       | 1          | \$ 2,500.00 \$ 2,500.00  |
| <b>SW3P</b>    |             |                                         |          |            |                          |
| 160            | 6003        | FURNISHING AND PLACING TOPSOIL(4")      | SY       | 21815      | \$ 3.00 \$ 65,445.00     |
| 164            | 6007        | BROADCAST SEED (PERM)(URBAN) (CLAY)     | SY       | 2835       | \$ 0.35 \$ 992.25        |
| 164            | 6009        | BROADCAST SEED (TEMP) (WARM)            | SY       | 700        | \$ 0.35 \$ 245.00        |
| 164            | 6011        | BROADCAST SEED (TEMP) (COOL)            | SY       | 700        | \$ 0.35 \$ 245.00        |
| 164            | 6052        | BROADCAST SEED (PERM) (SPECIAL MIX)     | SY       | 18980      | \$ 0.35 \$ 6,643.00      |
| 168            | 6001        | VEGETATIVE WATERING                     | MG       | 443        | \$ 16.00 \$ 7,088.00     |
| 169            | 6003        | SOIL RETENTION BLANKETS (CL 1)(TY C)    | SY       | 21815      | \$ 3.00 \$ 65,445.00     |
| 506            | 6002        | ROCK FILTER DAMS (INSTALL) (TY 2)       | LF       | 350        | \$ 30.00 \$ 10,500.00    |
| 506            | 6011        | ROCK FILTER DAMS (REMOVE)               | LF       | 350        | \$ 10.00 \$ 3,500.00     |
| 506            | 6020        | CONSTRUCTION EXITS (INSTALL) (TY 1)     | SY       | 352        | \$ 20.00 \$ 7,040.00     |
| 506            | 6024        | CONSTRUCTION EXITS (REMOVE)             | SY       | 80         | \$ 9.00 \$ 720.00        |
| 506            | 6034        | CONSTRUCTION PERIMETER FENCE            | LF       | 5034       | \$ 4.00 \$ 20,136.00     |
| 506            | 6038        | TEMP SEDMT CONT FENCE (INSTALL)         | LF       | 2696       | \$ 3.00 \$ 8,088.00      |
| 506            | 6039        | TEMP SEDMT CONT FENCE (REMOVE)          | LF       | 2696       | \$ 1.00 \$ 2,696.00      |
| 506            | 6040        | BIODEG EROSN CONT LOGS (INSTL)(8")      | LF       | 1150       | \$ 5.00 \$ 5,750.00      |
| 506            | 6043        | BIODEG EROSN CONT LOGS (REMOVE)         | LF       | 1150       | \$ 1.00 \$ 1,150.00      |
| 1002           | 0000        | LANDSCAPE AMENITY (TREE WELL)           | EA       | 5          | \$ 500.00 \$ 2,500.00    |
| 1004           | 6004        | TREE PROTECTION                         | EA       | 54         | \$ 400.00 \$ 21,600.00   |

| BRIDGES                                             |      |                                         |     |      |              |               |
|-----------------------------------------------------|------|-----------------------------------------|-----|------|--------------|---------------|
| UNNAMED TRIBUTARY TO CIBOLO CREEK PEDESTRIAN BRIDGE |      |                                         |     |      |              |               |
| 400                                                 | 6005 | CEMENTSTAB BKFL                         | CY  | 23   | \$ 200.00    | \$ 4,600.00   |
| 416                                                 | 6002 | DRILL SHAFT (24 IN)                     | LF  | 86   | \$ 125.00    | \$ 10,750.00  |
| 416                                                 | 6003 | DRILL SHAFT (30 IN)                     | LF  | 42   | \$ 175.00    | \$ 7,350.00   |
| 420                                                 | 6013 | CL C CONC (ABUT)                        | CY  | 20   | \$ 910.00    | \$ 18,200.00  |
| 420                                                 | 6037 | CL C CONC (COLUMN)                      | CY  | 3    | \$ 855.00    | \$ 2,565.00   |
| 442                                                 | 6007 | STR STEEL (MISC NON - BRIDGE)           | LB  | 90   | \$ 7.00      | \$ 630.00     |
| 4000                                                |      | PREFAB PED STL TRUSS BRG SPAN (57FT)    | EA  | 3    | \$ 60,000.00 | \$ 180,000.00 |
| TRAIL CROSSING WETLAND AREA 1                       |      |                                         |     |      |              |               |
| 400                                                 | 6005 | CEMENTSTAB BKFL                         | CY  | 23   | \$ 200.00    | \$ 4,600.00   |
| 416                                                 | 6002 | DRILL SHAFT (24 IN)                     | LF  | 72   | \$ 125.00    | \$ 9,000.00   |
| 420                                                 | 6013 | CL C CONC (ABUT)                        | CY  | 16   | \$ 910.00    | \$ 14,560.00  |
| 442                                                 | 6007 | STR STEEL (MISC NON - BRIDGE)           | LB  | 90   | \$ 7.00      | \$ 630.00     |
| 4000                                                |      | PREFAB PED STL TRUSS BRG SPAN (30FT)    | EA  | 1    | \$ 40,000.00 | \$ 40,000.00  |
| TRAIL CROSSING WETLAND AREA 2                       |      |                                         |     |      |              |               |
| 400                                                 | 6005 | CEMENTSTAB BKFL                         | CY  | 23   | \$ 200.00    |               |
| 416                                                 | 6002 | DRILL SHAFT (24 IN)                     | LF  | 72   | \$ 125.00    | \$ 9,000.00   |
| 420                                                 | 6013 | CL C CONC (ABUT)                        | CY  | 16   | \$ 910.00    | \$ 14,560.00  |
| 442                                                 | 6007 | STR STEEL (MISC NON - BRIDGE)           | LB  | 90   | \$ 7.00      | \$ 630.00     |
| 4000                                                |      | PREFAB PED STL TRUSS BRG SPAN (40FT)    | EA  | 1    | \$ 50,000.00 | \$ 50,000.00  |
| BROWNS CREEK PEDESTRIAN BRIDGE                      |      |                                         |     |      |              |               |
| 400                                                 | 6005 | CEMENTSTAB BKFL                         | CY  | 23   | \$ 200.00    | \$ 4,600.00   |
| 416                                                 | 6002 | DRILL SHAFT (24 IN)                     | LF  | 92   | \$ 125.00    | \$ 11,500.00  |
| 416                                                 | 6003 | DRILL SHAFT (30 IN)                     | LF  | 40   | \$ 175.00    | \$ 7,000.00   |
| 420                                                 | 6013 | CL C CONC (ABUT)                        | CY  | 18   | \$ 910.00    | \$ 16,380.00  |
| 420                                                 | 6037 | CL C CONC (COLUMN)                      | CY  | 4    | \$ 855.00    | \$ 3,420.00   |
| 442                                                 | 6007 | STR STEEL (MISC NON - BRIDGE)           | LB  | 90   | \$ 7.00      | \$ 630.00     |
| 4000                                                |      | PREFAB PED STL TRUSS BRG SPAN (57FT)    | EA  | 3    | \$ 60,000.00 | \$ 180,000.00 |
| LANDSCAPE                                           |      |                                         |     |      |              |               |
| 531                                                 | 6032 | CONC SIDEWALKS (SPECIAL)(TYPE A)        | SY  | 65   | \$ 119.00    | \$ 7,735.00   |
| 531                                                 | 6042 | CONC SIDEWALKS (5") (TYPE 1)            | SY  | 769  | \$ 87.50     | \$ 67,287.50  |
| 531                                                 | 6043 | CONC SIDEWALKS (5") (TYPE 2)            | SY  | 32   | \$ 100.00    | \$ 3,200.00   |
| 1002                                                | 0000 | LANDSCAPE BOULDER                       | TON | 603  | \$ 50.00     | \$ 30,150.00  |
| 1002                                                | 0000 | LANDSCAPE AMENITY (TRAIL SIGN - TY 1)   | EA  | 27   | \$ 2,000.00  | \$ 54,000.00  |
| 1002                                                | 6023 | LANDSCAPE AMENITY (TRAILHEAD SIGN)      | EA  | 1    | \$ 4,200.00  | \$ 4,200.00   |
| 1002                                                | 6025 | LANDSCAPE AMENITY (TRASH/RECYCLE BIN)   | EA  | 2    | \$ 1,225.00  | \$ 2,450.00   |
| 1002                                                | 0000 | LANDSCAPE AMENITY (REMOVABLE BOLLARD)   | EA  | 1    | \$ 600.00    | \$ 600.00     |
| 1010                                                | 6002 | DECORATIVE LANDSCAPE PAVING             | SF  | 2525 | \$ 25.00     | \$ 63,125.00  |
| 5044                                                | 6002 | LANDSCAPE FENCE (TY 1)                  | LF  | 355  | \$ 175.00    | \$ 62,125.00  |
| 465                                                 | 6233 | INLET (COMP) (TY SIDEWALK BRIDGE)       | EA  | 2    | \$ 5,000.00  | \$ 10,000.00  |
| 618                                                 |      | 1" PVC CONDUIT                          | LF  | 500  | \$ 10.00     | \$ 5,000.00   |
| 618                                                 |      | 2" PVC CONDUIT                          | LF  | 50   | \$ 10.00     | \$ 500.00     |
| 620                                                 |      | ELECTRICAL CONDUCTORS #8 CU AWG         | LF  | 704  | \$ 1.00      | \$ 704.00     |
| 620                                                 |      | ELECTRICAL CONDUCTORS #10 CU AWG        | EA  | 352  | \$ 1.00      | \$ 352.00     |
| 624                                                 |      | PULL BOXES                              | EA  | 10   | \$ 500.00    | \$ 5,000.00   |
| 687                                                 |      | PEDESTAL POLE ASSEM (24"ROUND STR BASE) | EA  | 2    | \$ 3,000.00  | \$ 6,000.00   |
| TOTAL (ALL OF ABOVE)                                |      |                                         |     |      | \$           | 2,389,731     |