

| City of Columbia, Missouri                                     |       |          |             |                     |
|----------------------------------------------------------------|-------|----------|-------------|---------------------|
| Preliminary Cost Estimates: Keene Street and I70 SE Roundabout |       |          |             |                     |
| ITEM                                                           | UNIT  | QUANTITY | UNIT COST   | TOTAL COST          |
| <b>EARTHWORK</b>                                               |       |          |             |                     |
| Unclassified Excavation                                        | CY    | 1,000    | \$10.00     | \$10,000.00         |
| Compacted Earth Fill from Borrow                               | CY    | 1,000    | \$15.00     | \$15,000.00         |
| <b>REMOVALS</b>                                                |       |          |             |                     |
| Removal-Sidewalk                                               | SY    | 50       | \$8.00      | \$400.00            |
| Removal of Existing Street Pavement                            | SY    | 2,000    | \$12.00     | \$24,000.00         |
| <b>PAVEMENTS</b>                                               |       |          |             |                     |
| 9" PC Concrete Street Pavement with Integral Curb              | SY    | 2,400    | \$70.00     | \$168,000.00        |
| 4" Type I Aggregate Base                                       | SY    | 2,600    | \$10.00     | \$26,000.00         |
| 8" Stamped Colored PCC Truck Apron w/ Integral Curb            | SY    | 420      | \$100.00    | \$42,000.00         |
| 6" Imprinted Color Concrete for Splitter Islands               | SY    | 160      | \$120.00    | \$19,200.00         |
| 4" PC Concrete Sidewalk including Curb Ramps                   | SF    | 3,000    | \$8.00      | \$24,000.00         |
| ADA Detectable Warning Panels                                  | SF    | 40       | \$50.00     | \$2,000.00          |
| <b>STORM DRAINAGE/EROSION CONTROL</b>                          |       |          |             |                     |
| 6' x 3' Type M Curb Inlet                                      | EA    | 4        | \$4,500.00  | \$18,000.00         |
| 4' x 4' Area Inlet                                             | EA    | 1        | \$4,000.00  | \$4,000.00          |
| 5' x5' Junction Box                                            | EA    | 1        | \$6,000.00  | \$6,000.00          |
| 18" RCP                                                        | LF    | 235      | \$50.00     | \$11,750.00         |
| 24" RCP                                                        | LF    | 220      | \$70.00     | \$15,400.00         |
| Silt Fence                                                     | LF    | 2,000    | \$3.00      | \$6,000.00          |
| Inlet Protection                                               | EA    | 4        | \$300.00    | \$1,200.00          |
| Straw Bale Ditch Checks                                        | EA    | 8        | \$200.00    | \$1,600.00          |
| Geotextile Fabric                                              | SY    | 50       | \$20.00     | \$1,000.00          |
| <b>TRAFFIC CONTROL</b>                                         |       |          |             |                     |
| Traffic Control                                                | LS    | 1        | \$60,000.00 | \$60,000.00         |
| Portable Changeable Message Sign                               | EA/WK | 6        | \$1,500.00  | \$9,000.00          |
| Temporary Pavement Marking - 4" Tape                           | LF    | 2,000    | \$2.00      | \$4,000.00          |
| <b>PAVEMENT MARKINGS AND SIGNING</b>                           |       |          |             |                     |
| 4" Solid Yellow Line                                           | LF    | 400      | \$6.00      | \$2,400.00          |
| 4" Solid Double Yellow Line                                    | LF    | 400      | \$12.00     | \$4,800.00          |
| 8" Solid White Line                                            | LF    | 200      | \$10.00     | \$2,000.00          |
| 8" Solid Yellow Line                                           | LF    | 400      | \$10.00     | \$4,000.00          |
| 8" Yellow Diagonal Line                                        | LF    | 200      | \$10.00     | \$2,000.00          |
| 12" Dotted White Line                                          | LF    | 150      | \$10.00     | \$1,500.00          |
| Crosswalk Markings                                             | EA    | 1        | \$1,000.00  | \$1,000.00          |
| Perking Lot Striping                                           | LS    | 1        | \$1,000.00  | \$1,000.00          |
| Permanent Roadway Signing                                      | SF    | 200      | \$80.00     | \$16,000.00         |
| <b>MISC</b>                                                    |       |          |             |                     |
| Seeding & Mulching                                             | LS    | 1        | \$8,400.00  | \$8,400.00          |
| Mobilization                                                   | LS    | 1        | \$50,000.00 | \$50,000.00         |
| Construction Staking                                           | LS    | 1        | \$20,000.00 | \$20,000.00         |
| Street Lighting                                                | LS    | 1        | \$30,000.00 | \$30,000.00         |
| <b>Preliminary Cost Estimates:</b>                             |       |          |             | <b>\$611,650.00</b> |

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Construction Contract:                          | \$611,650.00        |
| Construction Contingencies (5%)                 | 30,590.00           |
| MoDOT Central District Preliminary Engineering  | 5,000.00            |
| MoDOT Central District Construction Engineering | 5,000.00            |
| <b>Total Project Cost</b>                       | <b>\$652,240.00</b> |

|                                                           |                     |
|-----------------------------------------------------------|---------------------|
| Cost Share Portion                                        | \$316,120.00        |
| MoDOT Central District Preliminary Engineering            | 5,000.00            |
| MoDOT Central District Construction Engineering           | 5,000.00            |
| City of Columbia Portion (50% of Total Construction Cost) | \$326,120.00        |
| <b>Total</b>                                              | <b>\$652,240.00</b> |

## EXHIBIT B: COST BREAKDOWN