

**FINAL REVIEW PLANS**

**City and County of Denver  
W. Colfax Ave. at N. Lipan St.  
PHASE 2 - Lipan Construction  
OPINION OF PROBABLE CONSTRUCTION COST  
(Updated with CDOT Q1&Q2 2017 COSTS)**

Bidder  
Surety

Technology Constructors Inc.  
Employers Mutual Casualty Co.

Hallmark, Inc.  
American Contractors Indemnity Co.

**August 18, 2017**

| Bid Item     | Unit  | Bid Quantity | Item Cost | Total Cost  | Unit Cost   | Total Cost  | Unit Cost   | Total Cost   |              |
|--------------|---|--------------|-----------|-------------|-------------|-------------|-------------|--------------|--------------|
| 1 201-00000  | CLEARING AND GRUBBING                                       | LS           | 1         | \$10,000.00 | \$10,000.00 | \$1,784.00  | \$1,784.00  | \$8,000.00   | \$8,000.00   |
| 2 202-00000  | REMOVAL OF STRUCTURES & OBSTRUCTIONS                        | LS           | 1         | \$10,000.00 | \$10,000.00 | \$1,400.00  | \$1,400.00  | \$1,500.00   | \$1,500.00   |
| 3 202-00019  | REMOVAL OF INLET  | EA           | 2         | \$1,000.00  | \$2,000.00  | \$1,920.00  | \$3,840.00  | \$2,000.00   | \$4,000.00   |
| 4 202-00200  | REMOVAL OF SIDEWALK   | SY           | 233       | \$50.00     | \$11,650.00 | \$19.00     | \$4,427.00  | \$17.00      | \$3,961.00   |
| 5 202-00203  | REMOVAL OF CURB & GUTTER                                    | LF           | 181       | \$14.00     | \$2,534.00  | \$7.00      | \$1,267.00  | \$8.00       | \$1,448.00   |
| 6 202-00220  | REMOVAL OF ASPHALT MAT                                      | SY           | 368       | \$28.00     | \$10,304.00 | \$26.00     | \$9,568.00  | \$11.00      | \$4,048.00   |
| 7 202-00250  | REMOVAL OF PAVEMENT MARKING                                 | SF           | 1260      | \$5.50      | \$6,930.00  | \$1.50      | \$1,890.00  | \$1.00       | \$1,260.00   |
| 8 202-04002  | CLEAN CULVERT   | EACH         | 1         | \$2,140.00  | \$2,140.00  | \$5,400.00  | \$5,400.00  | \$600.00     | \$600.00     |
| 9 202-04003  | CLEAN CULVERT (SPECIAL)                                     | LS           | 1         | \$5,000.00  | \$5,000.00  | \$17,888.00 | \$17,888.00 | \$1,800.00   | \$1,800.00   |
| 10 203-00010 | UNCLASSIFIED EXCAVATION (CIP)                               | CY           | 220       | \$56.00     | \$12,320.00 | \$85.00     | \$18,700.00 | \$80.00      | \$17,600.00  |
| 11 203-00100 | MUCK EXCAVATION   | CY           | 22        | \$78.00     | \$1,716.00  | \$51.00     | \$1,122.00  | \$250.00     | \$5,500.00   |
| 12 203-01597 | POTHOLING   | HOURL        | 16        | \$240.00    | \$3,840.00  | \$300.00    | \$4,800.00  | \$375.00     | \$6,000.00   |
| 13 203-01622 | SWEEPING (WITH PICKUP BROOM)                                | HOURL        | 24        | \$170.00    | \$4,080.00  | \$95.00     | \$2,280.00  | \$160.00     | \$3,840.00   |
| 14 208-00045 | CONCRETE WASHOUT STRUCTURE                                  | EACH         | 1         | \$2,800.00  | \$2,800.00  | \$900.00    | \$900.00    | \$1,000.00   | \$1,000.00   |
| 15 208-00050 | INLET PROTECTION CURB ON GRADE                              | EACH         | 4         | \$280.00    | \$1,120.00  | \$240.00    | \$960.00    | \$300.00     | \$1,200.00   |
| 16 208-00070 | STABILIZED CONSTRUCTION ENTRANCE (VEHICLE TRACKING CONTROL) | EACH         | 1         | \$2,650.00  | \$2,650.00  | \$1,050.00  | \$1,050.00  | \$2,000.00   | \$2,000.00   |
| 17 208-00103 | REMOVAL AND DISPOSAL OF SEDIMENT (LABOR)                    | HOURL        | 24        | \$58.00     | \$1,392.00  | \$45.00     | \$1,080.00  | \$75.00      | \$1,800.00   |
| 18 208-00105 | REMOVAL AND DISPOSAL OF SEDIMENT (EQUIPMENT)                | HOURL        | 24        | \$117.00    | \$2,808.00  | \$122.00    | \$2,928.00  | \$175.00     | \$4,200.00   |
| 19 208-00205 | EROSION CONTROL SUPERVISOR                                  | HOURL        | 24        | \$130.00    | \$3,120.00  | \$55.00     | \$1,320.00  | \$165.00     | \$3,960.00   |
| 20 210-00050 | RESET FIRE HYDRANT  | EA           | 1         | \$6,000.00  | \$6,000.00  | \$4,200.00  | \$4,200.00  | \$1,200.00   | \$1,200.00   |
| 21 210-00810 | RESET GROUND SIGN   | EACH         | 1         | \$293.00    | \$293.00    | \$375.00    | \$375.00    | \$500.00     | \$500.00     |
| 22 210-00840 | RESET TRAFFIC SIGNAL POLE                                   | EACH         | 2         | \$3,600.00  | \$7,200.00  | \$14,178.00 | \$28,356.00 | \$3,000.00   | \$6,000.00   |
| 23 210-01000 | RESET FENCE   | LF           | 85        | \$38.00     | \$3,230.00  | \$42.00     | \$3,570.00  | \$80.00      | \$6,800.00   |
| 24 210-04010 | ADJUST MANHOLE  | EA           | 2         | \$985.00    | \$1,970.00  | \$660.00    | \$1,320.00  | \$600.00     | \$1,200.00   |
| 25 211-02275 | CEMENT GROUT (ABANDONMENT GROUT)                            | CY           | 0.32      | \$1,562.50  | \$500.00    | \$2,343.75  | \$750.00    | \$3,100.00   | \$992.00     |
| 26 211-03005 | DEWATERING  | LS           | 1         | \$5,800.00  | \$5,800.00  | \$3,245.00  | \$3,245.00  | \$8,000.00   | \$8,000.00   |
| 27 250-00010 | ENVIRONMENTAL HEALTH AND SAFETY MANAGEMENT                  | LS           | 1         | \$7,500.00  | \$7,500.00  | \$3,600.00  | \$3,600.00  | \$3,000.00   | \$3,000.00   |
| 28 250-00050 | MONITORING TECHNICIAN                                       | HOURL        | 10        | \$137.00    | \$1,370.00  | \$1,000.00  | \$1,000.00  | \$120.00     | \$1,200.00   |
| 29 250-00110 | HEALTH AND SAFETY OFFICER                                   | HOURL        | 20        | \$163.00    | \$3,260.00  | \$100.00    | \$2,000.00  | \$125.00     | \$2,500.00   |
| 30 250-00120 | MATERIALS SAMPLING AND DELIVERY                             | EA           | 6         | \$213.00    | \$1,278.00  | \$68.00     | \$408.00    | \$80.00      | \$480.00     |
| 31 250-00200 | MATERIALS HANDLING (STOCKPILE)                              | CY           | 75        | \$355.00    | \$26,625.00 | \$41.00     | \$3,075.00  | \$30.00      | \$2,250.00   |
| 32 304-06000 | AGGREGATE BASE COURSE                                       | TON          | 134       | \$80.00     | \$10,720.00 | \$43.00     | \$5,762.00  | \$50.00      | \$6,700.00   |
| 33 403-00721 | HOT MIX ASPHALT (PATCHING) (ASPHALT)                        | SY           | 17        | \$65.00     | \$1,105.00  | \$127.00    | \$2,159.00  | \$205.00     | \$3,485.00   |
| 34 403-33841 | HOT MIX ASPHALT GRADING S (100) (PG 64-22)                  | TON          | 104       | \$95.00     | \$9,880.00  | \$156.00    | \$16,224.00 | \$215.00     | \$22,360.00  |
| 35 403-34871 | HOT MIX ASPHALT GRADING SX (100) (PG 76-28)                 | TON          | 40        | \$130.00    | \$5,200.00  | \$276.00    | \$11,040.00 | \$288.00     | \$11,520.00  |
| 36 411-10255 | EMULSIFIED ASPHALT (SLOW SETTING)                           | GAL          | 519       | \$6.00      | \$3,114.00  | \$1.00      | \$519.00    | \$3.00       | \$1,557.00   |
| 37 603-01180 | 18 INCH REINFORCED CONCRETE PIPE                            | LF           | 42        | \$85.00     | \$3,570.00  | \$144.00    | \$6,048.00  | \$110.00     | \$4,620.00   |
| 38 604-16005 | INLET TYPE 16 (5 FOOT)                                      | EA           | 1         | \$4,500.00  | \$4,500.00  | \$5,880.00  | \$5,880.00  | \$4,500.00   | \$4,500.00   |
| 39 604-16010 | INLET TYPE 16 (10 FOOT)                                     | EA           | 1         | \$4,325.00  | \$4,325.00  | \$8,400.00  | \$8,400.00  | \$7,000.00   | \$7,000.00   |
| 40 604-30015 | MANHOLE SLAB BASE (15 FOOT)                                 | EA           | 1         | \$6,740.00  | \$6,740.00  | \$18,000.00 | \$18,000.00 | \$10,000.00  | \$10,000.00  |
| 41 607-53172 | FENCE CHAIN LINK (72 INCH)                                  | LF           | 90        | \$14.00     | \$1,260.00  | \$12.00     | \$1,080.00  | \$10.00      | \$900.00     |
| 42 608-00006 | SIDEWALK (6 INCH)   | SY           | 231       | \$86.00     | \$19,866.00 | \$75.00     | \$17,325.00 | \$80.00      | \$18,480.00  |
| 43 608-00010 | CONCRETE CURB RAMP  | SY           | 88        | \$190.00    | \$16,720.00 | \$140.00    | \$12,320.00 | \$220.00     | \$19,360.00  |
| 44 609-21020 | C&G TYPE 2 (SEC II B)                                       | LF           | 127       | \$40.00     | \$5,080.00  | \$28.00     | \$3,556.00  | \$40.00      | \$5,080.00   |
| 45 625-00000 | CONSTRUCTION SURVEYING                                      | LS           | 1         | \$20,000.00 | \$20,000.00 | \$9,000.00  | \$9,000.00  | \$3,500.00   | \$3,500.00   |
| 46 626-00000 | MOBILIZATION  | LS           | 1         | \$43,380.00 | \$43,380.00 | \$29,462.00 | \$29,462.00 | \$110,000.00 | \$110,000.00 |
| 47 626-01000 | PUBLIC INFORMATION SERVICES                                 | LS           | 1         | \$13,000.00 | \$13,000.00 | \$9,750.00  | \$9,750.00  | \$13,000.00  | \$13,000.00  |
| 48 627-00005 | EPOXY PAVEMENT MARKING                                      | GAL          | 1         | \$98.00     | \$98.00     | \$390.00    | \$390.00    | \$1,500.00   | \$1,500.00   |
| 49 627-30405 | PREFORMED THERMOPLASTIC PAVEMENT MARKING (WORD-SYMBOL)      | SF           | 16        | \$20.00     | \$320.00    | \$12.00     | \$192.00    | \$10.00      | \$160.00     |

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**OPINION OF PROBABLE CONSTRUCTION COST**  
**(Updated with CDOT Q1&Q2 2017 COSTS)**

Bidder: Technology Constructors Inc.  
 Surety: Employers Mutual Casualty Co.  
 Hallmark, Inc.  
 American Contractors Indemnity Co.

| August 18, 2017  |  |              |           |             |             |                  |                     |             |                     |
|--|--|--------------|-----------|-------------|-------------|------------------|---------------------|-------------|---------------------|
| Bid Item   | Unit   | Bid Quantity | Item Cost | Total Cost  |             | Unit Cost        | Total Cost          | Unit Cost   | Total Cost          |
| 50 627-30410   | PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE)           | SF           | 24        | \$13.00     | \$312.00    | \$12.00          | \$288.00            | \$10.00     | \$240.00            |
| 51 627-30411   | PREFORMED THERMOPLASTIC PAVEMENT MARKING (XWALK-STOP LINE) (SPECIAL) | SF           | 1260      | \$40.00     | \$50,400.00 | \$24.00          | \$30,240.00         | \$20.00     | \$25,200.00         |
| 52 628-00000   | CONSTRUCTION AS-BUILTS   | LS           | 1         | \$8,000.00  | \$8,000.00  | \$1,300.00       | \$1,300.00          | \$3,300.00  | \$3,300.00          |
| 53 630-99999   | CONSTRUCTION TRAFFIC CONTROL   | LS           | 1         | \$28,920.00 | \$28,920.00 | \$44,716.00      | \$44,716.00         | \$40,000.00 | \$40,000.00         |
|  |  |              |           |             |             | Total Base Bid   | \$368,154.00        |             | \$420,301.00        |
|  |  |              |           |             |             | Textura Fee      | \$1,625.00          |             | \$1,625.00          |
|  |  |              |           |             |             | <b>Total Bid</b> | <b>\$369,779.00</b> |             | <b>\$421,926.00</b> |
| <b>FINAL DESIGN - TOTAL PROJECT PRICE</b>                  |  |              |           |             |             | Rank             | <b>1</b>            |             | <b>2</b>            |
| <b>CONSTRUCTION BID ITEMS (CBI) SUBTOTAL: \$417,940.00</b> |  |              |           |             |             |                  |                     |             |                     |

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**DISCLAIMER**  
 In providing this opinion of probable construction cost, the Client understands that Felsburg Holt & Ullevig (FHU) has no control over the price of labor, equipment or materials, or over the Contractor's method of pricing. This opinion of probable construction cost provided herein is made on the basis of our qualifications and experience. FHU makes no warranty, expressed or implied, as to the accuracy of such opinions as compared to bid or actual costs.