

Figure 14 Route Alternative 5



OPINION OF PROBABLE CONSTRUCTION COST - SUMMARY

| | |
|------------------------------------------|-----------------------------------|
| OWNER: | ESTIMATED BY: |
| Jones Edmunds & Associates, Inc. | K. Virgilio |
| CLIENT: | CHECKED BY: |
| Lake City | C. Seufert |
| PROJECT TITLE: | PROJECT SEGMENT |
| Water Main Routing Study | Alternative Route 5A |
| PROJECT NUMBER: | DATE: |
| 08504-037-01 | 5/4/2021 |
| ESTIMATE TYPE (ROM, BUDGET, DEFINITIVE): | CONSTRUCTION OR PROJECT ESTIMATE: |
| Budget - AACE Class 4 | Construction Estimate |

| DESCRIPTION | UNIT | QUANTITY | UNIT COST | TOTAL COST |
|-------------------------------------------------------------------------|------|----------|--------------|------------------------------|
| MOBILIZATION/DEMobilIZATION, BONDS, GENERAL CONDITIONS (5% OF BASE BID) | LS | 1 | \$ 87,050 | \$ 87,050 |
| CONSTRUCTION SURVEY, AND LAYOUT (1.5% OF BASE BID) | LS | 1 | \$ 26,115 | \$ 26,115 |
| TRAFFIC CONTROL | LS | 1 | \$ 30,000 | \$ 30,000 |
| ENVIRONMENTAL PROTECTION | LS | 1 | \$ 15,000 | \$ 15,000 |
| RECORD DRAWING ALLOWANCE | LS | 1 | \$ 5,000 | \$ 5,000 |
| QUALITY CONTROL TESTING ALLOWANCE | LS | 1 | \$ 20,000 | \$ 20,000 |
| PIPES AND FITTINGS | LS | 1 | \$ 1,617,600 | \$ 1,617,600 |
| VALVES | LS | 1 | \$ 95,400 | \$ 95,400 |
| SITE RESTORATION | LS | 1 | \$ 27,900 | \$ 27,900 |
| | | | SUBTOTAL | \$ 1,924,000 |
| CONSTRUCTION CONTINGENCY | | 20% | | \$ 384,800 |
| | | TOTAL | | \$ 2,308,800 |
| ENGINEERS OPINION OF PROBABLE COST (EOPCC) (ROUNDED) | | | | \$ 2,309,000 |
| LOW ESTIMATE (-30%) | | | | \$ 1,616,300 |
| HIGH ESTIMATE (+50%) | | | | \$ 3,463,500 |
| RANGE OF TOTAL CONSTRUCTION COST (ROUNDED): | | | | \$ 1,620,000 TO \$ 3,460,000 |

OPINION OF PROBABLE CONSTRUCTION COST - DETAILS

| | |
|---------------------------------------------|-----------------------------------|
| OWNER: | ESTIMATED BY: |
| Jones Edmunds & Associates, Inc. | K. Virgilio |
| CLIENT: | CHECKED BY: |
| Lake City | C. Seufert |
| PROJECT TITLE: | PROJECT SEGMENT |
| Water Main Routing Study | Alternative Route 5A |
| PROJECT NUMBER: | DATE: |
| 08504-037-01 | 3/11/2025 |
| ESTIMATE TYPE (ROM, BUDGET, DEFINITIVE): | CONSTRUCTION OR PROJECT ESTIMATE: |
| Budget - AACE Class 4 | Construction Estimate |

| DESCRIPTION | UNIT | QUANTITY | UNIT COST | TOTAL COST |
|--------------------------------------------------------------------------------|------|--------------|--------------|---------------------|
| MOBILIZATION/DEMOBILIZATION, BONDS, GENERAL CONDITIONS (5% OF BASE BID) | LS | | \$ 87,050 | \$ 87,050 |
| CONSTRUCTION SURVEY, AND LAYOUT (1.5% OF BASE BID) | LS | | \$ 26,115 | \$ 26,115 |
| TRAFFIC CONTROL | LS | | \$ 30,000 | \$ 30,000 |
| ENVIRONMENTAL PROTECTION | LS | | \$ 15,000 | \$ 15,000 |
| RECORD DRAWING ALLOWANCE | LS | | \$ 5,000 | \$ 5,000 |
| QUALITY CONTROL TESTING ALLOWANCE | LS | | \$ 20,000 | \$ 20,000 |
| PIPES | | | | |
| 24" PVC | | | | |
| PVC-C900 (Open cut installation, 3' min. cover) | LF | 5,800 | \$ 225 | \$ 1,305,000 |
| SUBTOTAL | LS | 1 | \$ 1,305,000 | \$ 1,305,000 |
| OVERHEAD & PROFIT | LS | 20% | \$ 261,000 | \$ 261,000 |
| | | | | \$ 1,566,000 |
| FITTINGS | | | | |
| 24" | | | | |
| 90° DUCTILE IRON MECHANICAL JOINT | EA | 6 | \$ 5,750 | \$ 34,500 |
| 45° DUCTILE IRON MECHANICAL JOINT | EA | 2 | \$ 4,250 | \$ 8,500 |
| SUBTOTAL | LS | 1 | \$ 43,000 | \$ 43,000 |
| OVERHEAD & PROFIT | LS | 20% | \$ 8,600 | \$ 8,600 |
| | | | | \$ 51,600 |
| VALVES | | | | |
| 6" | | | | |
| AIR RELEASE VALVE | EA | 2 | \$ 5,550 | \$ 11,100 |
| 24" | | | | |
| BUTTERFLY VALVE | EA | 4 | \$ 17,100 | \$ 68,400 |
| SUBTOTAL | LS | 1 | \$ 79,500 | \$ 79,500 |
| OVERHEAD & PROFIT | LS | 20% | \$ 15,900 | \$ 15,900 |
| | | | | \$ 95,400 |
| CIVIL SITE & RESTORATION | | | | |
| SOD | SY | 3,867 | \$ 6 | \$ 23,200 |
| SUBTOTAL | LS | 1 | \$ 23,200 | \$ 23,200 |
| OVERHEAD & PROFIT | LS | 20% | \$ 4,640 | \$ 4,640 |
| | | | | \$ 27,900 |
| SUBTOTAL | | | | \$ 1,741,000 |
| SUM OF DIVISION 1 ITEMS | | | | \$ 183,000 |
| SUBTOTAL | | | | \$ 1,924,000 |
| CONTINGENCY (20%) | | | | \$ 384,800 |
| | | TOTAL | | \$ 2,308,800 |

ROUNDED TOTAL \$ 2,309,000