

City of Mansfield

Kimley-Horn

Conceptual Level Opinion of Probable Construction Cost

Project Information **Project ID: M08**

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|---|--|
| <p>Street Name: East Broad Street</p> <p>Limits: From Fire Station No. 3 To Holland Road</p> <p>Classification: P6D</p> <p>ROW Width (feet): 120</p> <p>Road Width (B-B) (feet): 74</p> <p>Length (feet): 5,000</p> <p>Driveways (each): 13</p> <p>Updated: 12/1/2023</p> | <p>Summary: Reconstruction of an existing 4-lane divided concrete section to a 6-lane divided</p> <hr/> <p>Notes & Assumptions:</p> <ol style="list-style-type: none"> 1. Cost shown for concrete pavement; pavement section to be further evaluated. 2. New traffic signal at Mansfield Fire Station No. 3 3. Right-of-way needed for right turn lane onto 360 Frontage Road |
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Roadway Construction Cost Projection

| No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|-------------------------|---|----------|------|------------|---------------------|
| 101 | Unclassified Street Excavation | 22,100 | CY | \$ 30 | \$ 663,000 |
| 201 | 12" Lime Stabilization (with Lime @ 54#/sy) | 22,000 | SY | \$ 15 | \$ 330,000 |
| 301 | 9" Concrete Pavement | 21,000 | SY | \$ 85 | \$ 1,785,000 |
| 401 | 5' Concrete Sidewalk | 39,000 | SF | \$ 8 | \$ 312,000 |
| 501 | Concrete Driveways | 13 | EA | \$ 8,000 | \$ 104,000 |
| 601 | Turn Lanes and Median Openings | 3,620 | SY | \$ 85 | \$ 307,700 |
| Paving Subtotal: | | | | | \$ 3,510,000 |

Major Construction Component Allowances:

| Item Description | Notes: | Allowance | Item Cost |
|--|---|----------------|----------------------|
| <input checked="" type="checkbox"/> Traffic Control | Maintain Existing Traffic, Temp. Signal Modifications | 15% | \$ 526,500 |
| <input checked="" type="checkbox"/> Pavement Markings/Signs | | 3% | \$ 105,300 |
| <input checked="" type="checkbox"/> Traffic Signals | New Traffic Signal & Traffic Signal Modifications | \$700,000 | \$ 700,000 |
| <input checked="" type="checkbox"/> Roadway Drainage | Standard Internal System | 20% | \$ 702,000 |
| <input type="checkbox"/> Special Drainage Structures | None Anticipated | | \$ - |
| <input checked="" type="checkbox"/> Concrete Street Connections | Cross-Streets (4) | \$60,000 | \$ 240,000 |
| <input checked="" type="checkbox"/> Illumination | Street Light Foundations and Conduit | 10% | \$ 351,000 |
| <input type="checkbox"/> Water | Covered in Utility Fund | | \$ - |
| <input type="checkbox"/> Sewer | Covered in Utility Fund | | \$ - |
| <input checked="" type="checkbox"/> Landscaping and Irrigation | Enhanced Landscaping - Median Trees and Shrubs | 20% | \$ 702,000 |
| <input checked="" type="checkbox"/> Landscape and Irrigation Restoration | Landscape and Irrigation Restoration | 5% | \$ 175,500 |
| <input checked="" type="checkbox"/> Other: | Stamped Concrete Medians | \$130,000 | \$ 130,000 |
| Allowance Subtotal: | | | \$ 3,640,000 |
| Paving and Allowance Subtotal: | | | \$ 7,150,000 |
| <input checked="" type="checkbox"/> Mobilization | | 10% | \$ 720,000 |
| <input checked="" type="checkbox"/> Prepare Right-of-Way | | 5% | \$ 360,000 |
| <input checked="" type="checkbox"/> Staking and Testing | | 5% | \$ 360,000 |
| Construction Subtotal: | | | \$ 1,440,000 |
| <input checked="" type="checkbox"/> Construction Contingency | | 20% | \$ 1,430,000 |
| Construction Total: | | | \$ 10,020,000 |
| <input checked="" type="checkbox"/> Design and Survey Costs | | 15% | \$ 1,080,000 |
| <input checked="" type="checkbox"/> ROW Costs | 2,000 SF | \$/SF \$ 15.00 | \$ 30,000 |
| Design Subtotal: | | | \$ 1,110,000 |
| Project Cost Total: | | | \$ 11,130,000 |