



MAPS 3 Trail Improvements Phase 3, Project 1

Lake Stanley Draper Trail

Project Number: M3-T003

November 2017

FINAL PLANS





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL

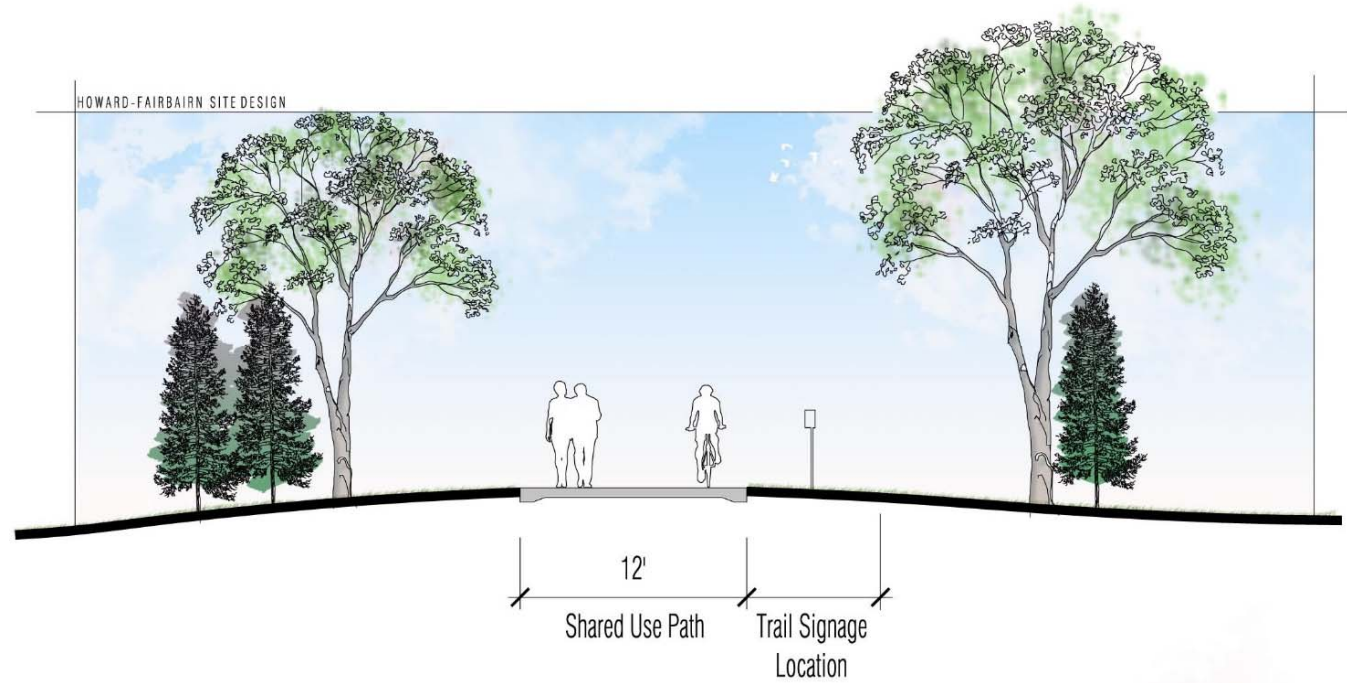


LAKE STANLEY DRAPER TRAIL OVERVIEW

- Phase 3 of MAPS 3 Trail Improvements Project, the 13.54 mile Lake Draper Trail
- Overall project is split into three (3) construction projects
- Each project's construction budget was set at \$3.4 million, with a total project cost of just over \$10.2 million
- Trail alignment is based upon the City of Oklahoma City Trail Master Plan



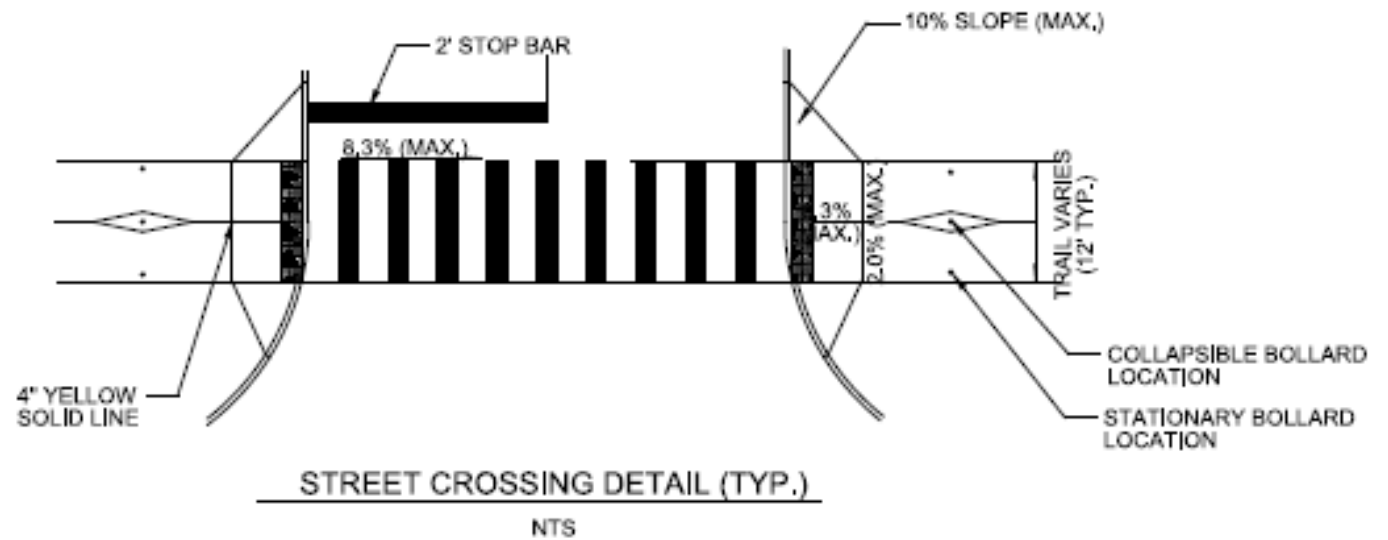
Typical Trail Section



Standard 12' multi-use trail

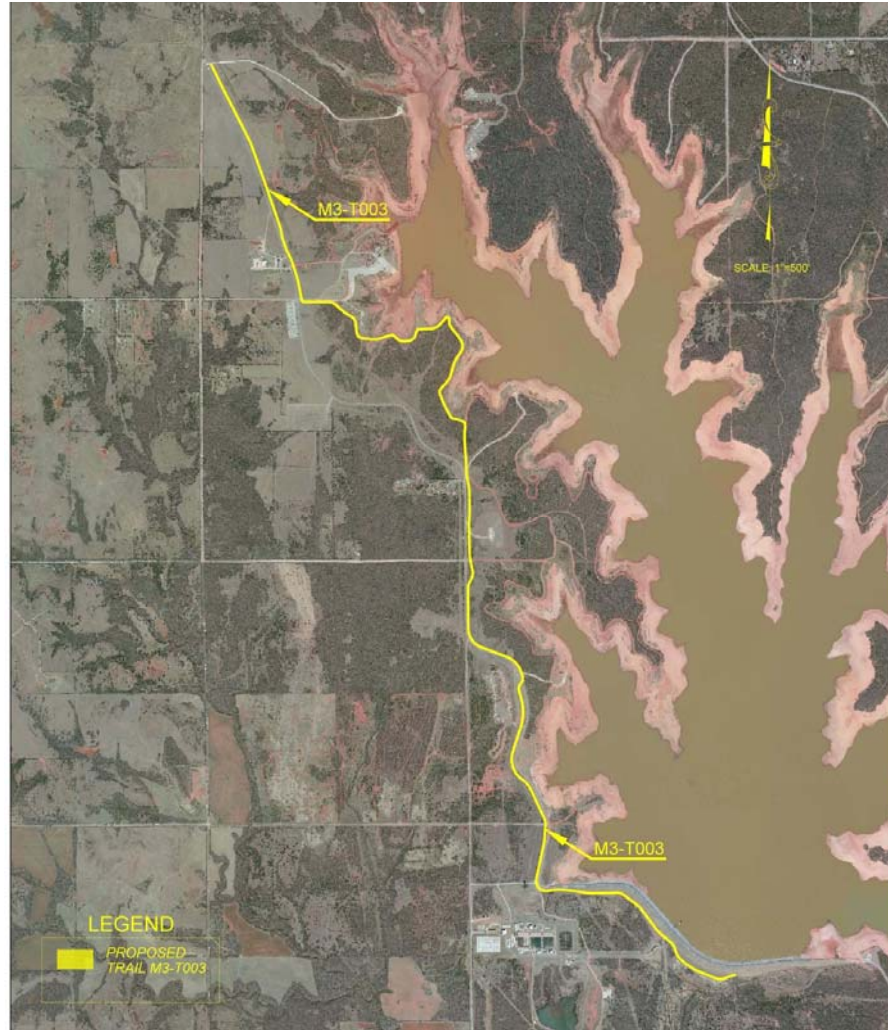


Typical Street Crossing (non signaled)





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL

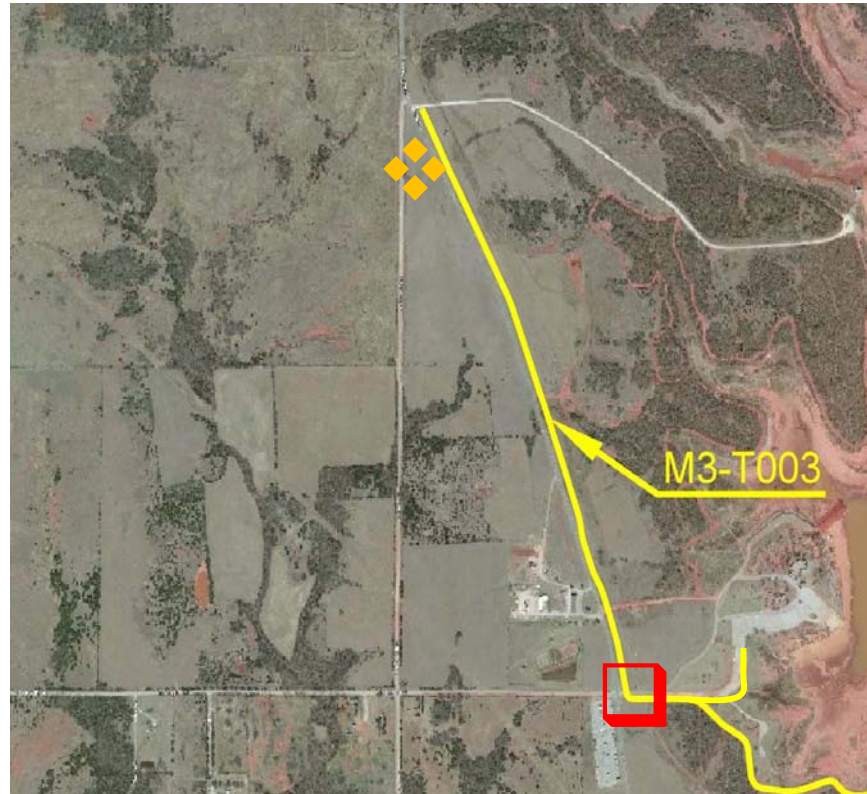


PROJECT 1: M3-T003 Trail Alignment

- The M3-T003 trail's final overall length is 26,159 feet or 4.95 miles
- Accessible to the Draper Marina and parking lot
- Trail has three (3) significant street intersections
- Trail crosses West Draper Drive near Cross Timbers recreational area parking lot



MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL



PROJECT 1: M3-T003 Trail Design Details

- Connection at SE 89th Street intersection (Pier # 1) with M3-T003A Trail
- Trail generally follows existing West Stanley Draper Drive
- ❖ Open views of the lake
- ❑ Crosses SE 104th Street then follows roadway towards Lake Draper Marina area
- Quick access to Marina parking lot

SIDEWALKSTRAILS



PROJECT 1: M3-T003
Trail Views & Vistas





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL



PROJECT 1: M3-T003 Trail Design Details

- ❖ New alignment generally follows the existing water front roadway
- Several horizontal bends in the trail alignment and the vertical profile has more frequent crests and sags
- ❑ Alignment gets as close as 25' to waters edge

SIDEWALKSTRAILS

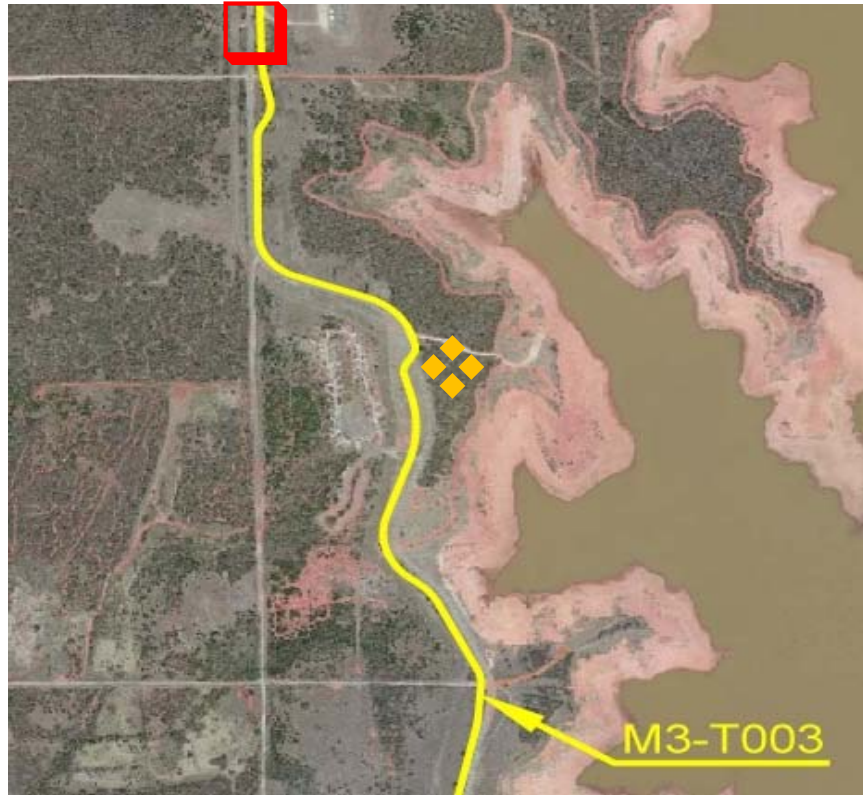


PROJECT 1: M3-T003
Trail Views & Vistas





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL



PROJECT 1: M3-T003 Trail Alignment

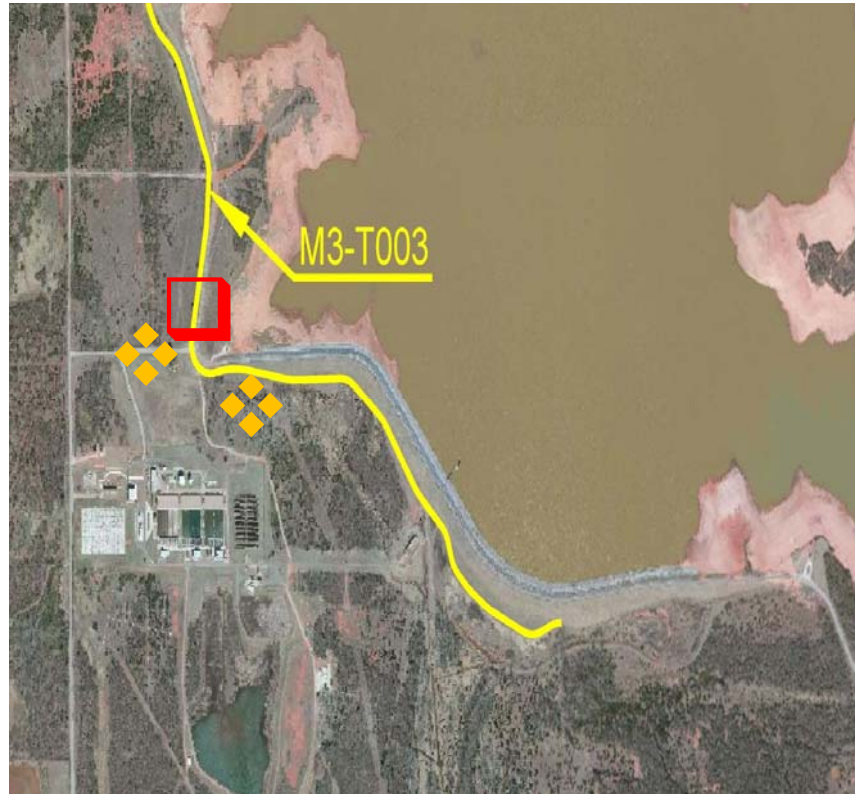
- ❑ Trail connects to Baxter Airfield (RC air strip) along the east side
- Alignment works its way back to West Stanley Draper Drive
- ❖ Trail switches to the west side of West Stanley Draper Drive at the Cross Timbers Riding Area

An abstract graphic featuring a series of concentric, curved lines in shades of blue and green, creating a sense of depth and movement. The lines are layered, with darker blue at the top and bottom, and lighter green in the middle, suggesting a landscape or a stylized wave.





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL



PROJECT 1: M3-T003 Trail Alignment

- Trail alignment stays on the west side of West Stanley Draper Drive
- ❑ This segment has the most critical utility conflicts
- ❖ Trail crosses Water Plant Road and will construct new concrete driveways

SIDEWALKSTRAILS

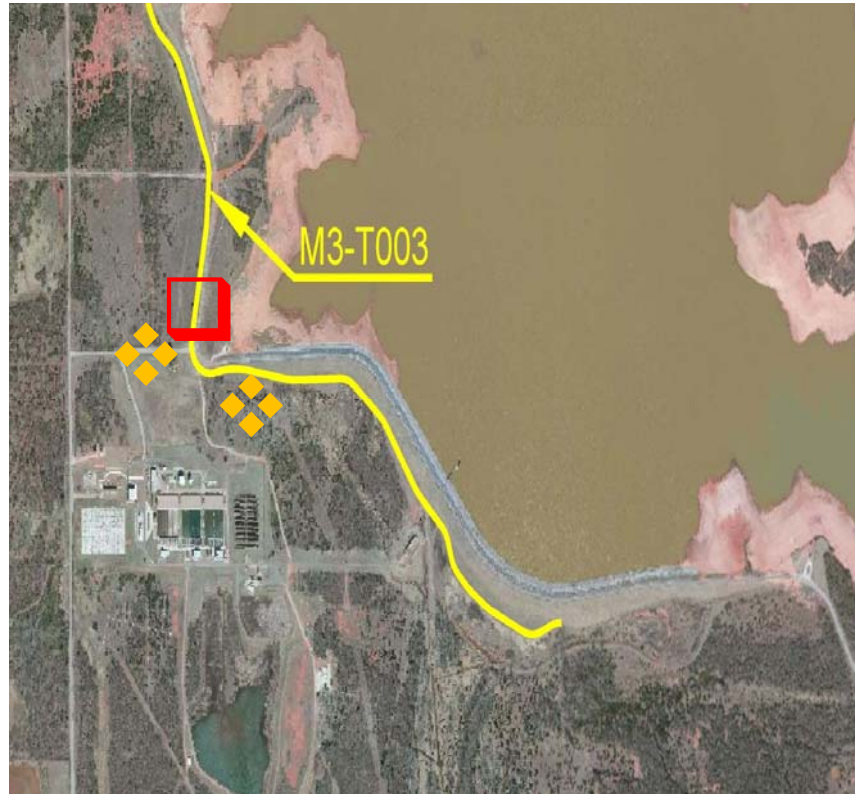


PROJECT 1: M3-T003
Trail Views & Vistas





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL



PROJECT 1: M3-T003 Trail Alignment

- Trail alignment stays on the west side of West Stanley Draper Drive
- ❑ This segment has the most critical utility conflicts
- ❖ Trail crosses Water Plant Road and will construct new concrete driveways
- ❖ Trail alignment generally follows the toe of the dam to connection with M3-T003A Trail

SIDEWALKSTRAILS



PROJECT 1: M3-T003
Trail Views & Vistas





MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL

Cabbiness Engineering, llc

consulting civil engineers

Final Construction Estimate**(Revised)**Client: City of Oklahoma City
Project: MAPS 3 Lake Draper TrailDate: 10/10/2017
CE Proj No.: #257

Client Project No.: M3-T003

Engineer: JBC

| M3-T003 Trail | Units | Quantity | Unit Price | Sub-Total |
|--|-------|----------|--------------|-----------------|
| Unclassified Excavation | C.Y. | 8,275 | \$ 10.25 | \$ 84,818.75 |
| Borrow | C.Y. | 19,336 | \$ 6.75 | \$ 130,518.00 |
| Trench Excavation and Backfill-0' to 10' | L.F. | 518 | \$ 4.75 | \$ 2,460.50 |
| Cementitious Stabilized Subgrade | S.Y. | 34,425 | \$ 2.45 | \$ 84,341.25 |
| Aggregate Base (Type A) | C.Y. | 50 | \$ 405.00 | \$ 20,250.00 |
| Asphalt Concrete, Type S3 (PG 64-22 OK) | Ton | 7,934 | \$ 57.00 | \$ 452,238.00 |
| Asphalt Concrete, Type S5 (PG 64-22 OK) | Ton | 3,970 | \$ 72.50 | \$ 287,825.00 |
| Curb and Gutter (2'-8") (6" Barrier) | L.F. | 1,007 | \$ 19.50 | \$ 19,636.50 |
| Header Curb w/Excavation | L.F. | 53,490 | \$ 27.50 | \$ 1,470,975.00 |
| Tack Coat | Gal. | 5,315 | \$ 1.35 | \$ 7,175.25 |
| Reinforced Concrete Pipe (18") (O-Ring) | L.F. | 226 | \$ 41.00 | \$ 9,266.00 |
| Reinforced Concrete Pipe (24") (O-Ring) | L.F. | 251 | \$ 45.75 | \$ 11,483.25 |
| Reinforced Concrete Pipe (42") (O-Ring) | L.F. | 49 | \$ 170.00 | \$ 8,330.00 |
| Reinforced Concrete End Section (18 Inches) | Ea. | 12 | \$ 650.00 | \$ 7,800.00 |
| Reinforced Concrete End Section (24 Inches) | Ea. | 16 | \$ 975.00 | \$ 15,600.00 |
| Reinforced Concrete End Section (42 Inches) | Ea. | 2 | \$ 2,900.00 | \$ 5,800.00 |
| Sheet Aluminum Signs | Ea. | 127 | \$ 95.25 | \$ 12,096.75 |
| Square Steel Sign Post | Ea. | 86 | \$ 64.50 | \$ 5,547.00 |
| Traffic Stripe (Plastic) (4" Wide) | L.F. | 12,693 | \$ 0.20 | \$ 2,538.60 |
| Clearing and Grubbing | L.Sum | 1 | \$ 25,000.00 | \$ 25,000.00 |
| Remove Storm Sewer (CGMP) | Ea. | 13 | \$ 21.30 | \$ 276.90 |
| Removal Curb and Gutter | L.F. | 691 | \$ 7.50 | \$ 5,182.50 |
| Asphalt Pavement Removal | S.Y. | 616 | \$ 2.00 | \$ 1,232.00 |
| Sawcut Pavement | L.F. | 142 | \$ 2.75 | \$ 390.50 |
| 6" P. C. Concrete Driveway (H.E.S.) | S.Y. | 2,243 | \$ 60.00 | \$ 134,580.00 |
| Perforated Pipe Underdrain (6") | L.F. | 100 | \$ 25.00 | \$ 2,500.00 |
| Non-Perforated Pipe Underdrain (6") | L.F. | 100 | \$ 23.50 | \$ 2,350.00 |
| Fence - Special (Post & Cable) | L.F. | 3,050 | \$ 20.00 | \$ 61,000.00 |
| Fixed Bollard/Trail Markers (F4A) | Ea. | 52 | \$ 500.00 | \$ 26,000.00 |
| Removable Bollard/Trail Markers | Ea. | 26 | \$ 1,250.00 | \$ 32,500.00 |
| Tactile Markers/Truncated Domes (Special) (SP) | S.Y. | 75 | \$ 256.50 | \$ 19,237.50 |
| Construction Entrance | Ea. | 1 | \$ 5,000.00 | \$ 5,000.00 |
| Trailhead Signage | Ea. | 1 | \$ 200.00 | \$ 200.00 |
| Mile Marker Signage | Ea. | 21 | \$ 250.00 | \$ 5,250.00 |

M3-T003 Erosion Control

| | | | | |
|--|------|--------|---------|--------------|
| Solid Slab Sodding | S.Y. | 34,770 | \$ 2.10 | \$ 73,017.00 |
| Filter Fabric Silt Fence-Complete in Place | L.F. | 26,164 | \$ 1.80 | \$ 47,095.20 |
| Silt Dike | L.F. | 312 | \$ 9.75 | \$ 3,042.00 |

M3-T003 Construction

| | | | | |
|--|-------|---|---------------|---------------|
| Construction Staking (Construction Survey) | L.Sum | 1 | \$ 17,500.00 | \$ 17,500.00 |
| Construction Signage and Traffic Control | L.Sum | 1 | \$ 7,500.00 | \$ 7,500.00 |
| Mobilization | L.Sum | 1 | \$ 162,345.00 | \$ 162,345.00 |
| Pre-Construction Video | L.Sum | 1 | \$ 750.00 | \$ 750.00 |
| Post-Construction Video | L.Sum | 1 | \$ 750.00 | \$ 750.00 |

| | |
|-------------------------------------|------------------------|
| Construction Sub-Total Cost: | \$ 3,271,398.45 |
| 3.5% Contingencies: | \$ 114,498.95 |
| Estimated Construction Cost: | \$ 3,385,897.40 |

PROJECT 1: M3-T003

100% Complete

Design Cost Estimate

- Construction budget of \$3,415,000
- Preliminary trail concept construction estimate was \$3,059,552
- 60% complete trail concept construction estimate was \$3,491,046
- 100% complete trail design estimated at \$3,385,897 with a 3.5% contingency included

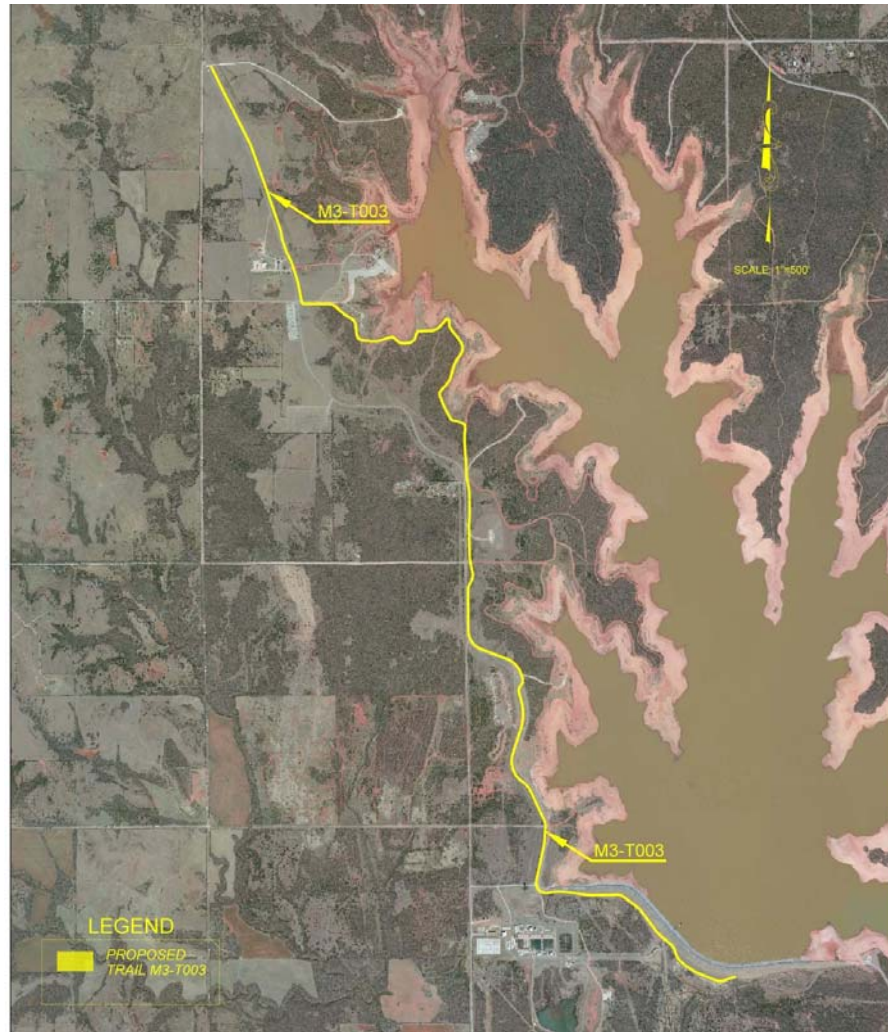


PROJECT 1: M3-T003 Anticipated Schedule

- November 7, 2017: Approval by MAPS and City Council
- November 8, 2017: Project Advertisement
- November 29, 2017: Project Bid
- December 20, 2017: Recommendation to Subcommittee
- December 21, 2017: Recommendation to Citizens Advisory Board
- January 2, 2018: Award of Construction Contract by City Council
- January 3, 2018: Notice to Proceed for Construction
- August 2018: Construction Complete



MAPS 3 TRAIL IMPROVEMENTS, PHASE 3, LAKE STANLEY DRAPER TRAIL



PROJECT 1: M3-T003 Questions and Comments