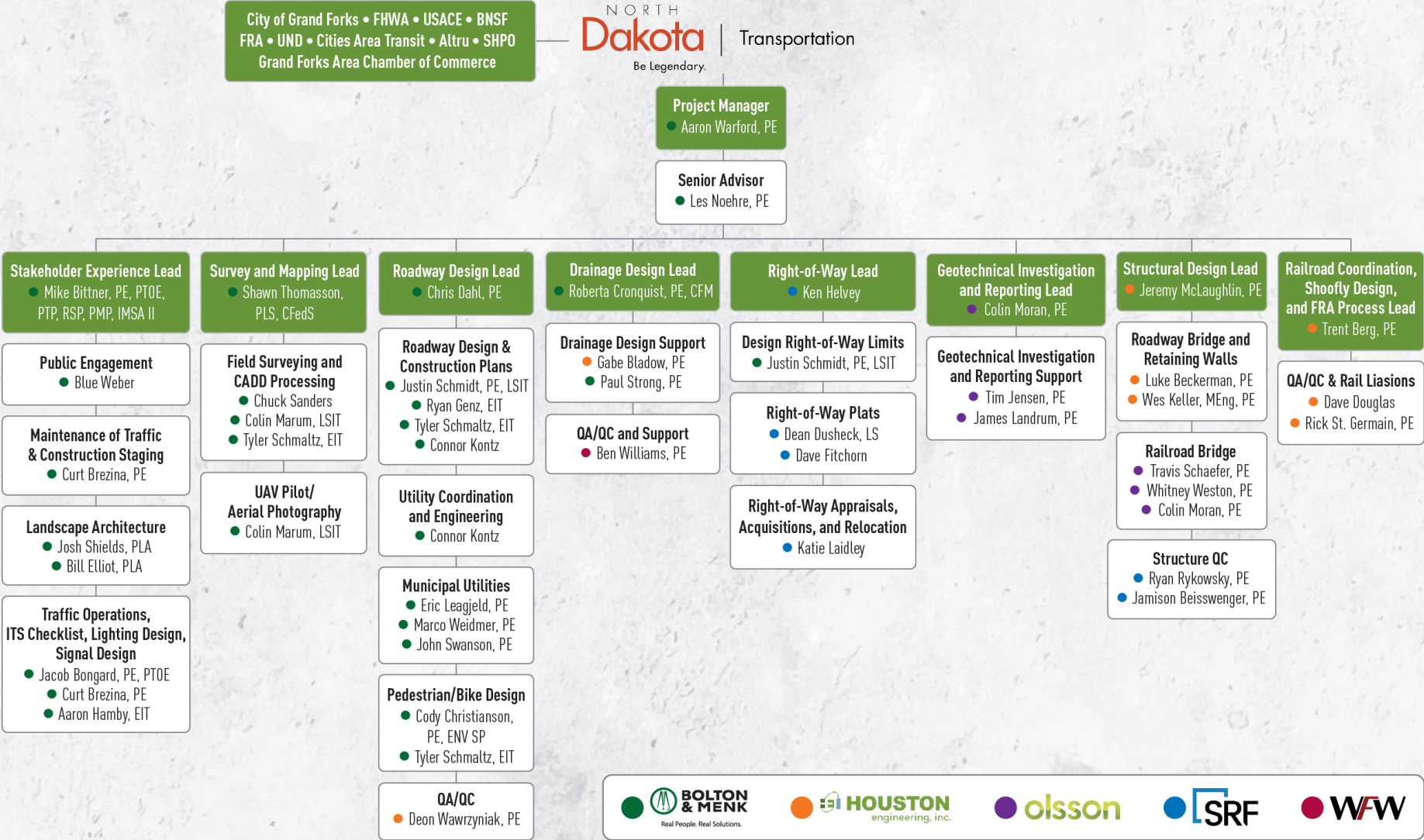


42nd and Demers Presentation



Real People. Real Solutions.

Project Team



Historical Context



- **Project History**
 - 1991 - feasibility study recommended a grade separation, and the City incorporated it into its 20-year transportation plan
 - 1993 & 1994 - City and DOT began purchasing surrounding parcels
 - 1997 – City wide emergency declaration
 - 2004 - project development & environmental document started
 - 2004 thru 2023 – performed many studies, alternatives evaluations, funding requests, and reviewing environmental concerns
 - **June 2023 - awarded FRA Grant of \$30-Million from Railroad Crossing Elimination Program**
 - December 2023 – Environmental Document and preferred alternative approved
 - Final Design – May 2024 thru June 2025
 - **Construction – Spring 2026 thru Fall 2027**



CONSTRUCTION PHASING

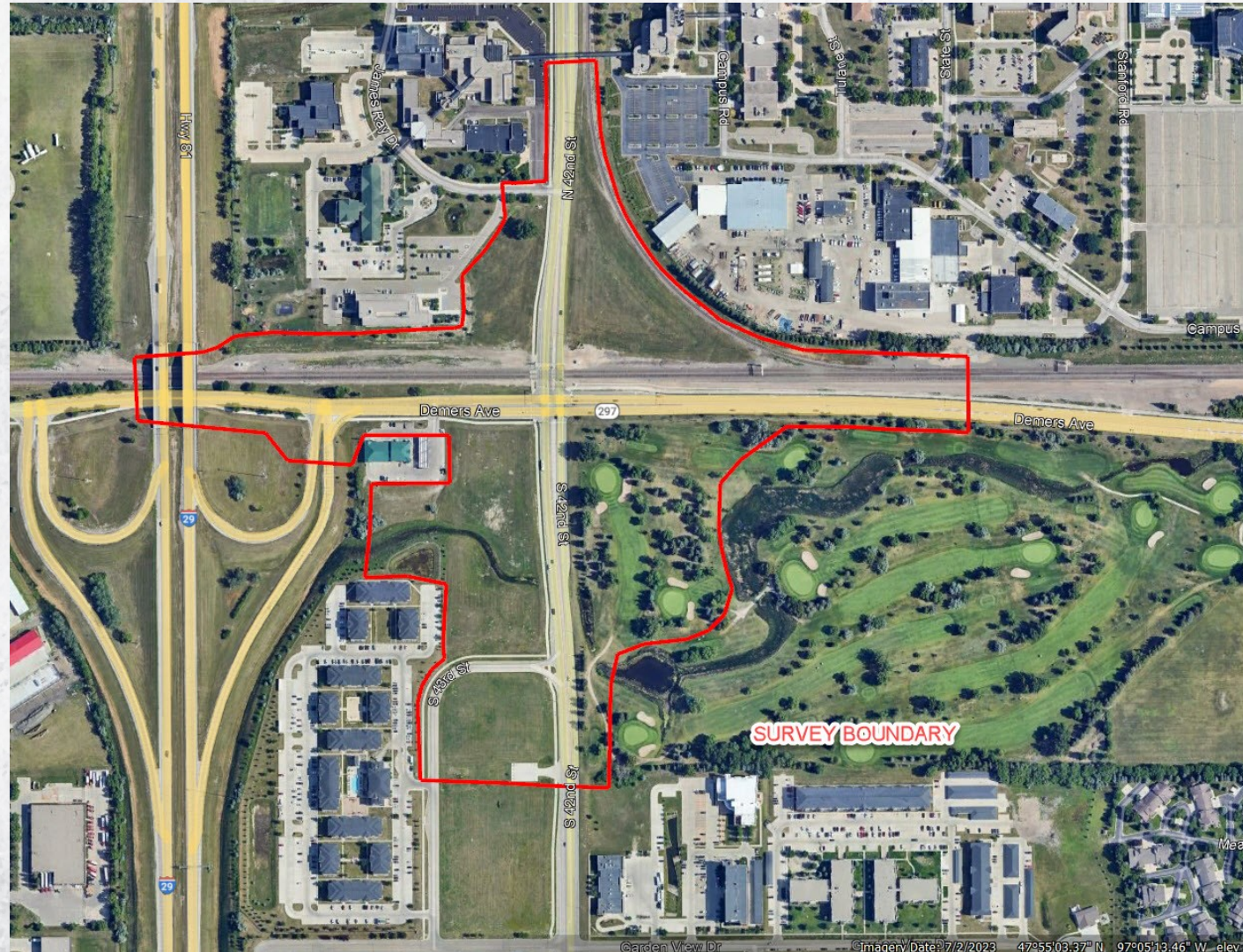
May 2026 - October 2027



Phase 1 Tasks Completed



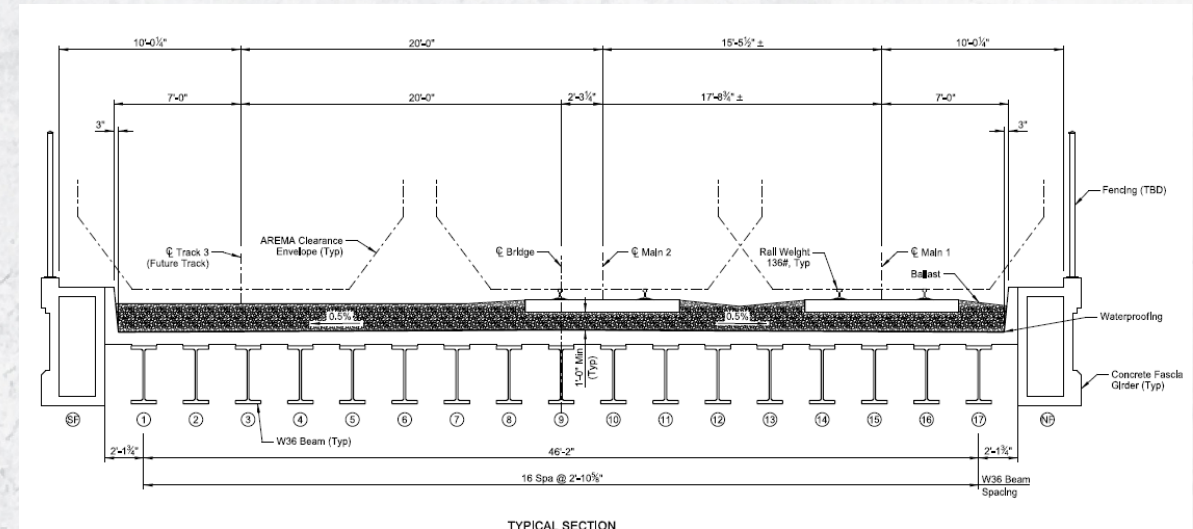
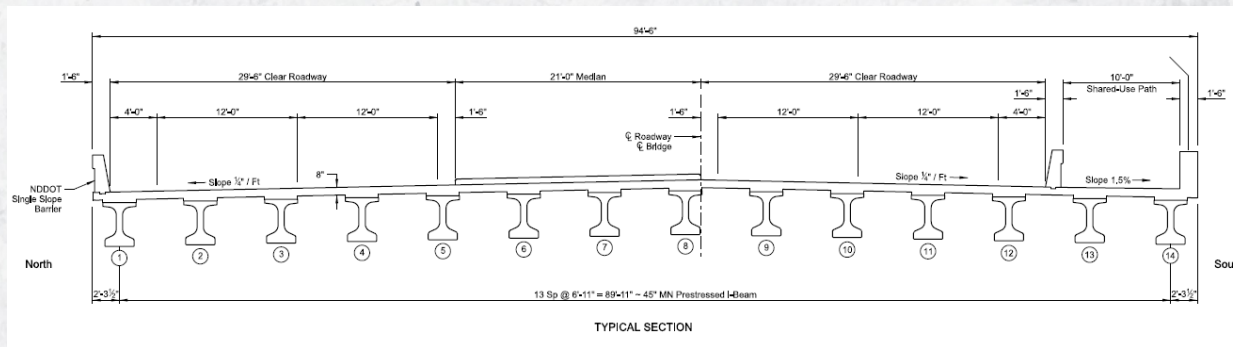
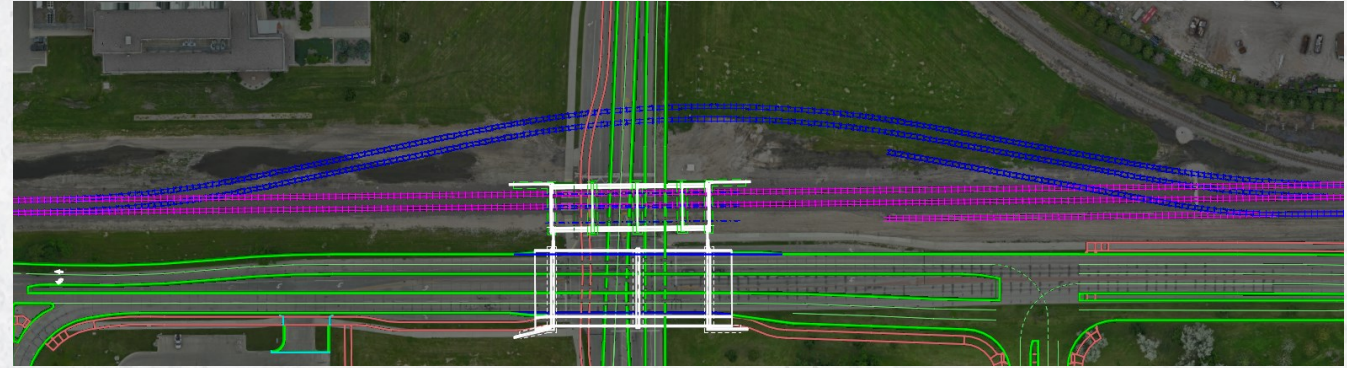
- Large survey area
 - GPS & robotic total station
 - UAV Drone for aerial photo's and photogrammetry
 - 360° Camera for all manholes & inlets
- Geotech Drilling and Report
 - 39 Soil Borings ranging from 15-230 feet deep
 - 11 temporary wells in open boreholes



Current behind the scenes work



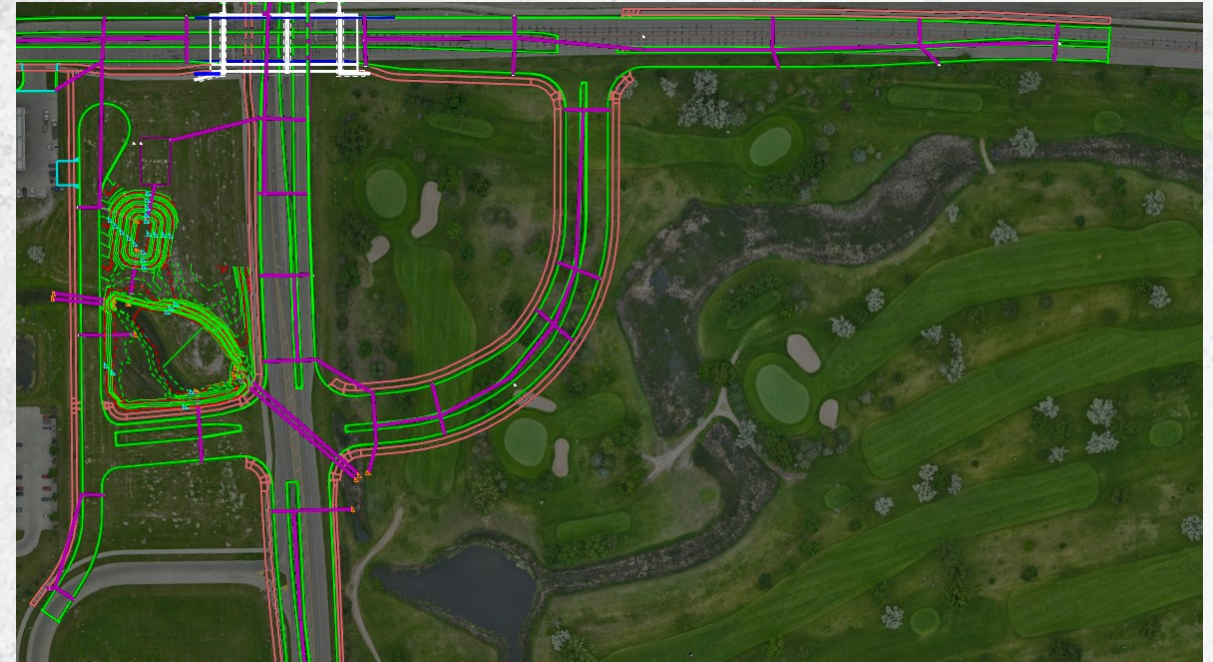
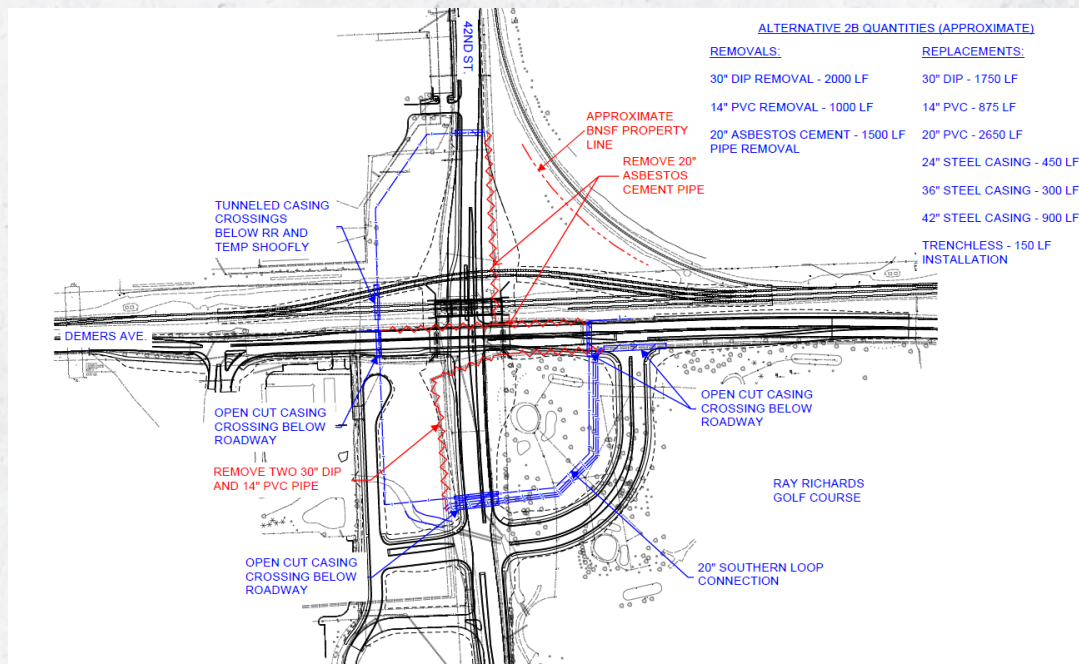
- Design & Plans
 - Railroad Shoofly
 - Bridges
 - Retaining Walls



Current behind the scenes work



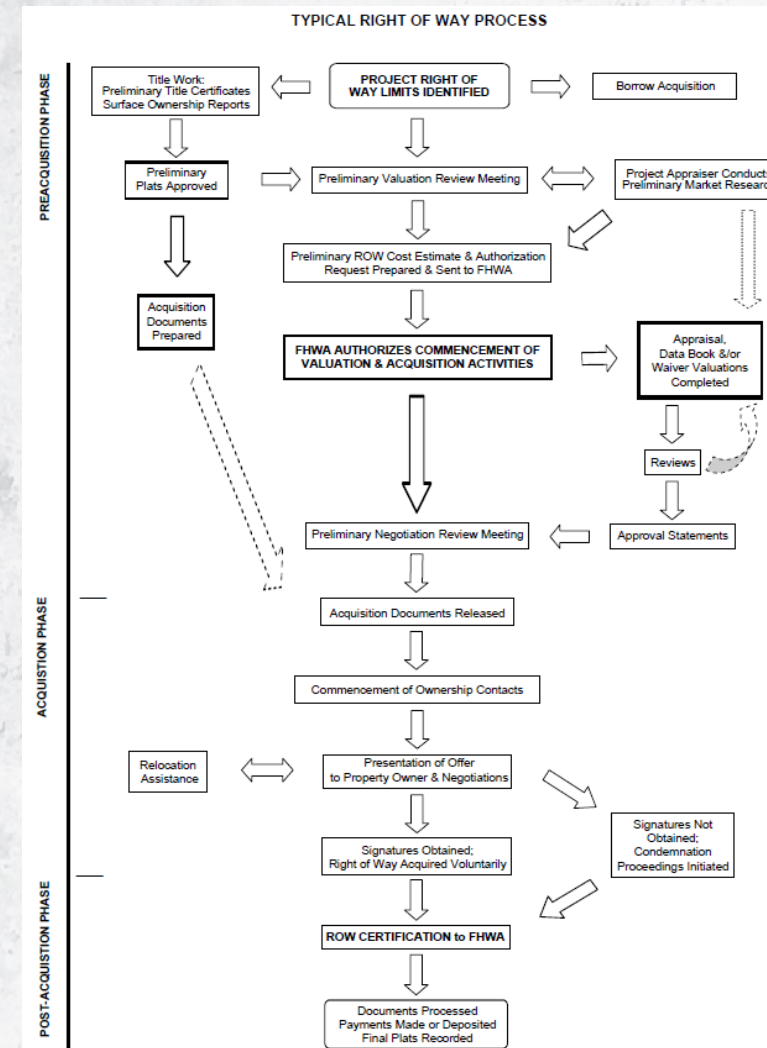
- Design & Plans
 - Water Main
 - Drainage



Right-of-Way & Plats



- Current Process is at 20%
- 10 parcels on the project that will be impacted by temporary easements.
- Significant impacts to BNSF property and existing right of way.
- 6 parcels affected by permanent easements.



Key Design Issues - Golf Course Redevelopment



The Bolton & Menk team
has redeveloped 100+ golf courses
over the past 30+ years

Working Directly with UND and
Ray Richards on this process

Road Layout B-1 with Golf Improvements



CONSTRUCTION PHASING
May 2026 - October 2027



WORK BEING PERFORMED

1. Railroad shoofly
2. DeMers Avenue bypass
3. Water & reverse osmosis concentrate lines



CONSTRUCTION PHASING

May 2026 - October 2027



WORK BEING PERFORMED

1. Construct railroad shoofly across 42nd Street
2. Construct railroad shoofly connection to existing
3. Sheet piling



CONSTRUCTION PHASING
May 2026 - October 2027



WORK BEING PERFORMED

1. Railroad bridge
2. DeMers Avenue bridge
3. DeMers Avenue reconstruction
4. Watermain adjustments



CONSTRUCTION PHASING

May 2026 - October 2027



WORK BEING PERFORMED

1. Remove shoofly
2. Remove bypass
3. Remove sheet piling
4. Relocate storm sewer



CONSTRUCTION PHASING

May 2026 - October 2027



WORK BEING PERFORMED

1. Earthwork/grading for 42nd Street, 43rd Street, & James Ray Drive
2. Pavement markings
3. Topsoil & seeding



Landscape Architecture & Plantings



Bridge aesthetics & façade

Native & City Approved Plantings

Connected Multi-Modal Network

Gateway for Vehicular and Non-Vehicular Users

Incorporate Existing Themes

- City
- UND
- Alerus Center
- Red River of the North

Potential for Public Art

Opportunity for City Park inside Jug Handle



Thank You!!



- Just sent in 50% Plans
- Final Design – May 2024 thru June 2025
- Construction – Spring 2026 thru Fall 2027