



**TESORO LOGISTICS OPERATIONS, LLC.
HIGH PLAINS PIPELINE SYSTEM – ND**

**BEULAH BASIN
RAIL LOADING 10" PIPELINE
PROJECT**

SCOPE

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PROJECT SCOPE

Tesororo Logistic Operations, LLC. is bidding construction of the Beulah Basin Rail Loading 10" Pipeline located near Beulah, ND. The CONTRACTOR will submit a detailed construction schedule with the Uniform Bid Sheets. The schedules will reflect all required activities from mobilization through finish, clean up and demobilization along with anticipated duration.

Construction will consist of building an approximately 4.1 mile 10" API 5L X52 .250 wall crude oil pipeline. The new pipeline will originate at the launcher valve off Tesoro Logistics 16" main line @ ZAP Block Valve (MP 55.78 and tie-in to a receiver valve at Tesoro Logistics Beulah Basin Rail Loading Delivery Facility located near Beulah, ND.

The work will be completed in strict accordance with these CONTRACT DOCUMENTS, the U.S. Department of Transportation Hazardous Materials Regulations, and Transportation of Liquids by Pipeline, Title 49, Part 195.

The CONTRACTOR will base his bid, schedule and size of work force on meeting the dates set forth in this section. Overtime work by the CONTRACTOR, if necessary to comply with such dates will not be considered for any extra compensation due the CONTRACTOR by the TESORO.

Construction scheduled dates are as follows:

Construction Start	In-Service Date	Completion Date
JUNE 2014	AUGUST 2014	AUGUST 2014

Construction start date will mean actual CONTRACTOR operation in the field. In service date will mean acceptance by TESORO of the final tie-ins and/or the hydrostatic test successfully completed. Completion date will mean the acceptance by the TESORO of final clean up.

The CONTRACTOR will submit a detailed construction schedule with the Uniform Bid Sheets. The schedules will reflect all required activities from mobilization through finish clean up and demobilization along with anticipated duration.

2.0 STANDARD CONDITIONS

2.1 GENERAL

The scope of work requires all work being in compliance with all federal, state, and local regulations. The work will also be performed in accordance with industry and TESORO codes including standards, specifications, guidelines, rules, and policies.

Personnel working on the site will be required to wear personal protective equipment including FRC, hard hats and safety glasses. A fire/safety watch required during any hot work performed at the pump stations.

New piping 2" NPS and larger will require hydro test ANSI 600 # pressure (between 1850 and 1900 Psig) for 8 hours underground or 4 hours above ground as required by DOT. All testing instrumentation and equipment must be certified, calibrated, and current. All tests will be documented by the Contractor with signed charts, photos and/or sketches.

All welds require 100% radiography. All welders will qualify to API 1104 welding procedure. All radiography data and welder certifications and a project weld map will be provided to TESORO.

Concrete will have a minimum compressive strength of 4,000 psi unless stated otherwise. All cement will be type V per ASTM C150. Reinforcing steel for the pipe supports will conform to ASTM A615 Grade 60. The rebar will be covered by at least 2" of concrete. The cement grout for the pipe support plates will be Five Star non-shrink grout or equal meeting ASTM C-1107 Grade C requirements.

Electrical work will be per NEC and UFC requirements.

MSDS sheets for the products will be available from Tesoro.

Permit conditions to be adhered to as part of the project and work.

3.0 SUPERVISORY CONSTRUCTION PERSONNEL

The CONTRACTOR will provide with the Uniform Bid Sheets the names of the key supervisory personnel, down to the foreman level, that would be utilized if awarded the work. The CONTRACTOR is encouraged to include a short work related experience summary for each of the key supervisory personnel.

PROPOSED SUBCONTRACTORS

The CONTRACTOR will name all subcontractors he proposes to use in the event that he is awarded the work. The utilization of any proposed subcontractors will be subject to TESORO approval.

5.0 HEALTH & SAFETY (H&S) PLAN

5.1 GENERAL

The CONTRACTOR will provide TESORO with a copy of its health and safety plan. The plan will address all state and federal standards for injury and illness prevention and comply with the requirements of 29 CFR 1910.120 Hazardous Waste Operations and Emergency Response.

5.2 HEALTH AND SAFETY SUMMARIES

The CONTRACTOR will provide the following information with his bid:

5.2.1 Occupational illness and injury data.

5.2.2 This information will be provided for that entity within your TESORO that will perform the actual work.

5.3 ENVIRONMENTAL NOTICES/CONDITIONS

The CONTRACTOR is responsible for the health and safety of its employees and subcontractors. The CONTRACTOR will assure regulatory compliance with all state and federal regulations for employee health and safety, and environmental pollution control. The TESORO will monitor the CONTRACTOR'S activities in these areas and provide technical consultation only.

6.0 SCOPE OF WORK - MECHANICAL CONTRACTOR

6.1 GENERAL

6.1.1 Mobilize to job site.

6.1.2 Documentation of facility before construction with video cameras and color photographs.

6.1.3 Welder(s) to be tested to the TESORO procedure.

6.1.4 Notify Underground Alert at least 48 hours preceding any excavation. Prior to the excavation CONTRACTOR will "pot-hole" for the visual confirmation of underground utilities and pipelines.

6.1.5 Access, clear and grade right-of-way and furnish and install all temporary roads, fences, gates and any other facilities and traffic delineation to enable CONTRACTOR to access work.

6.1.6 Prefab piping spools to minimized down time to operations. Field measure existing facility to verify dimensions prior to Prefab.

6.1.7 Install all temporary roads, fences, gates and any other facilities and traffic delineation to enable CONTRACTOR to access work sites.

6.1.8 The temporary workspaces are defined on the drawings.

6.1.9 Includes the requirements stated in Permits / Restrictions Section.

6.1.10 Prepare hydrostatic test plan for all station piping modifications and submit to COMPANY for approval, run air swab and cleaning fill and dispose of test water.

6.1.11 CONTRACTOR is responsible making all necessary piping connections, or transportation costs required to hydrotest piping.

- 6.1.12** The CONTRACTOR shall furnish the permit (if applicable) for the disposal of the water for the hydrostatic test. CONTRACTOR is responsible for any temporary piping or transportation necessary to return the water to the disposal site.
 - 6.1.13** CONTRACTOR is responsible for hauling water for all other operations, and arranging for additional water acquisition if necessary.
 - 6.1.14** After all of the pipe has been installed, the pipeline shall be cleaned, hydrostatically tested and dried with foam pigs to remove all free condensation. Additional cleaning and/or drying will be at the direction of the COMPANY.
 - 6.1.15** CONTRACTOR will assist COMPANY with startup of piping & new equipment.
 - 6.1.16** CONTRACTOR shall minimize the opportunities for runoff of water and sediments. Specific measures to prevent the runoff of the water and sediments will include the installation of silt fences and hay bales.
 - 6.1.17** Restoring of the right-of-way in accordance to the requirements stated in the Permits / Restrictions Section and per the COMPANY's direction.
 - 6.1.18** The pipeline & station ROW and temporary workspaces are defined on the drawings.
 - 6.1.19** All above ground pipe painted to TESORO specifications.
 - 6.1.20** Continuous clean up of ROW and job sites / stations to the satisfaction of TESORO and in accordance with the Permit / Restriction Section; make all necessary permanent repairs to gates and fences.
 - 6.1.21** Return surplus materials to the Watford City Pipeline Office. Surplus materials shall be cleaned and all materials re-racked or stacked on pallets as directed by the COMPANY. All line pipe pups longer than six (6) feet shall be re-beveled and welded into nominal forty (40) foot lengths at CONTRACTOR'S expense.
 - 6.1.22** CONTRACTOR shall provide an As Built of all piping installations and station modifications.
 - 6.1.23** Demobilize from job site.
- 6.2 BEULAH BASIN RAIL LOADING 10" PIPELINE**
- 6.2.1** Construction of a new 10" API 5L X52 crude oil pipeline approximately 4.1 miles .

- 6.2.2 Construction will include installing the new 10" pipeline under railroad tracks at the Beulah Rail Loading facility using an existing 16" casing approximately 106' long.
- 6.2.3 Construction will include installing the new 10" pipeline using an existing casing for road crossing.
- 6.2.4 Install CP Stations per drawings & specifications.
- 6.2.5 Connect new 10" pipeline with Tesoro's launcher valve @ ZAP Block Valve (MP 55.78). (Per detail drawings and specifications)
- 6.2.6 Connect new 10" pipeline with Tesoro's receiver valve @ Beulah Basin Meter Facility. (Per detail drawings and specifications)
- 6.2.7 Hydrotest new 10" crude oil pipeline from ZAP tie-in to Beulah Basin Rail Loading facility per specifications. Requires an 8 hour hydrotest to meet DOT requirements.
- 6.2.8 Pipeline Construction include the following:
 - Trench per project & Permit requirements
 - String pipe
 - Weld pipe
 - Field coat girth welds joints & misc fittings per specifications.
 - Jeep pipe coating
 - Padding & backfill per project & permit requirements
 - Run a Gauge Plate
 - Hydrotest
 - Run foam drying swab pigs
- 6.2.9 Pipeline Contractor will restore ROW to project & permit requirements.

7.0 WORK - BY OTHERS

7.1 TESORO FURNISHED

- 7.1.1 Construction drawings for station piping, pump, electrical, instrumentation and foundations.
- 7.1.2 The TESORO will have piping, pumps, motors & other materials to be furnished by TESORO stockpiled at Dunn Center or other designated storage sites and will make them available to the CONTRACTOR as described in the Materials Section. The CONTRACTOR will perform all other work required for completion of the construction and testing of the station piping modifications.
- 7.1.3 The TESORO will contract with a third party to perform Radiographic inspection of all new welds. The TESORO requires 100 percent radiographic inspection of all new welds.

- 7.1.4 Radiographic interpretation by third party is subject to review by the TESORO. Film will be reviewed within 24 hours and CONTRACTOR notified as to any change in interpretation.

8.0 TESTING REQUIRED

8.1 MECHANICAL

- 8.1.1 Piping hydrostatically tested by contractor. Tesoro will witness the hydro test.
- 8.1.2 Tesoro will provide inspection of welds. Contractor will provide adequate notice so that Tesoro can schedule x-rays.

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