



**PROJECT PROGRESS REPORT**  
**NuSTAR 10-INCH PIPELINE RELOCATION**  
**FM DIVERSION CHANNEL RELOCATION PROJECT**  
**AFE\_0002412**  
**Report Date October 21, 2021**

- **SAFETY**
  - No issues. Continue with daily tailgate safety meetings before start of work each day.
- **RIGHT-OF-WAY**
  - No current issues with landowners or tenants
- **ENVIRONMENTAL**
  - Silt fencing and waddles in place and being monitored by SWCA
  - No current issues
- **SURVEY**
  - EFN Surveyors have completed survey activity and as-built work on a fabrication to date
- **CONSTRUCTION**
  - Primary contractor (Rig Masters, Inc.) has completed fabrication and installation of the portion of pipeline segment from the westerly project tie-ins to the East side of 166<sup>th</sup> Street. The pipeline segment located between 166<sup>th</sup> Street and the HDD for the main channel is fabricated but not installed pending the completion of the HDD on the main channel
  - HDD activity has been completed on County Road 166<sup>th</sup>, A small drainage ditch-wetland area, and Drain 14 and new pipe is pulled in.
  - NuStar has hired a new design engineering firm (GeoEngineers) to complete the design elements for the main channel HDD. This to include the requested information on the soil rebound calculations, et. This will require the North Dakota PE Stamping by GeoEngineers. They will be replacing the former engineer (HDR). GeoEngineers are scheduled to have the updated design package ready for submittal for final approval by the Diversion Authority in 2-3 weeks.
  - Pending DA approval of the updated design package for the main channel, The contractor will be scheduled to be on site around November 15, 2021 to begin HDD operations and will work through the Thanksgiving Holiday until HDD completion which is estimated to be around 28 days.
  - At this time the HDD will be connected to the previously fabricated new pipe and the project will be shut-in for the winter. Plan would be to return in early April 2022 to make the final pipeline tie-ins to the existing NuStar pipeline and complete the abandonment activity on the old pipeline.

---

**Pictures:**



Beginning rough backfill of sub-soil in area where pipeline has been fabricated and installed.

Sep 27, 2021 at 9:47:34 AM  
+46.872003,-97.003761  
58059  
Cass County



Fabrication of tie-in piping for the westerly end of the relocation project.