



**Cenex Pipeline, LLC
10" Refined Products Pipeline - Sidney to Minot**

North Dakota Public Service Commission

Case No. PU-17-097

Monthly Construction Progress Report


12/13/2019



CHS Inc. Purchase Contract: 19872

KLJ Project Number: 1907-00112

REV	Date	Description	ORIG	APPR
0	12/13/2019	Monthly Construction Progress Report (November 2019)	TJ	RS

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			Form Revision: 0
2611 Gabel Road Billings, MT 59102	KLJ Project No.: 1907-00112	CHS PC No.: 19872	Form Revision Date: 12/13/2019

The information contained herein is based upon internal daily/weekly coordination reports prepared by Cenex (Owner), WCI (Third-Party QC Inspector), and KLJ (Consultant). The information is reported through December 5, 2019.

1. General

Spread 1 (West) - Frontier Services (Contractor)

- a. Total Spread Length (excluding MT segment) - 59.07 miles
- b. Clearing/Mowing - 59.07 miles (100% complete)
- c. Pipe Stringing - 59.07 miles (100% complete)
- d. Pipe Welding - 59.07 (100% complete)
- e. Ditching - 59.07 miles (100% complete)
- f. Backfill - 59.07 miles (100% complete)
- g. Rough Cleanup - 59.07 miles (100% complete)
- h. Final Cleanup - 59.07 miles (100% complete)
- i. Bore Crossings Installed Since Last Report
 - i. None

Spread 2 (East) - Loenbro (Contractor)

- a. Total Spread Length - 90.63 miles
- b. Clearing/Mowing - 90.38 miles (99% complete)
- c. Pipe Stringing - 89.41 miles (99% complete)
- d. Pipe Welding - 80.87 miles (89% complete)
- e. Ditching - 60.87 miles (67% complete)
- f. Backfill - 58.39 miles (64% complete)
- g. Rough Cleanup - 36.99 miles (41% complete)
- h. Final Cleanup - 10.85 miles (12% complete)
- i. Bore Crossings Installed Since Last Report
 - i. 5895+84 SKIPPER HABITAT
 - ii. 5910+00 WHITE EARTH RIVER BORE
 - iii. 5928+00 GUA
 - iv. 6967+55 79TH AVE NW
 - v. 6986+00 WETLAND
 - vi. 6994+00 WETLAND
 - vii. 7308+00 WETLAND
 - viii. 7326+00 WETLAND
 - ix. 7615+00 WETLAND
 - x. 7764+20 55TH ST NW
 - xi. 7900+00 WETLAND
 - xii. 7923+20 62ND AVE NW
 - xiii. 7987+20 61ST AVE NW
 - xiv. 8020+00 WETLAND
 - xv. 8030+00 WETLAND



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- xvi. 8036+00 WETLAND
- xvii. 8040+35 408TH ST NW
- xviii. 8091+50 394TH ST SW
- xix. 8113+00 WETLAND
- xx. 8120+00 WETLAND
- xxi. 8124+00 WETLAND
- xxii. 8145+00 WETLAND
- xxiii. 8201+00 WETLAND
- xxiv. 8208+00 WETLAND
- xxv. 8311+25 338TH ST SW
- xxvi. 8318+00 WETLAND
- xxvii. 8361+50 WETLAND
- xxviii. 8378+90 54TH AVE SW
- xxix. 8425+00 310TH ST SW
- xxx. 8496+00 WETLAND
- xxxi. 8496+00 WETLAND
- xxxii. 8509+00 ACCESS
- xxxiii. 8535+00 WETLAND
- xxxiv. 8649+68 WETLAND
- xxxv. 8706+50 254TH ST SW
- xxxvi. 8819+14 226TH ST SW
- xxxvii. 8829+50 WETLAND
- xxxviii. 8945+00 WETLAND

2. Construction Progress & Look-Ahead

- a. The project production continues to be impacted by intermittent snowstorms and slippery conditions due to overnight surface frost and daytime thawing. As of this report, there is minimal topsoil remaining to be cleared and segregated, and Cenex will continue to monitor frost depths in those areas to prevent topsoil and subsoil mixing during the clearing process.
- b. The west spread is completed entirely in North Dakota. The east spread has a completion goal of February 16, 2019.
- c. Trenching, backfill, and topsoil replacement activities continue to be performed to prevent delays of surface use. Cenex recognizes the difficulties and implications that may arise from winter construction regarding backfill and reclamation and Cenex and its contractors remain diligent in preventing frozen backfill being used to the extent possible. Cenex will monitor ROW conditions and address any minor subsidence issues that may result of thawing in the spring.
- d. Cenex and its contractors acknowledge and understand there are additional provisions required for cold-weather construction. These were stated in the prior construction report, but the summary is repeated this month as follows:
 - i. Cenex has committed to the following applicable winter construction guidelines as set forth in the following documents: North Dakota State University Extension Service, Publication R1728, "Successful Reclamation of Lands Disturbed by Oil and Gas Development and Infrastructure Construction, August 2014; INGAA Foundation, Inc. Report No. 2013.04, "Planning Guidelines for Pipeline Construction During Frozen



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Conditions," December 2013. In addition, unless otherwise approved by the Commission, topsoil must be removed before topsoil freezes in the late fall/early winter to the point that frost inhibits proper soil segregation. In accordance with the above-referenced documents, Cenex may utilize the construction methods detailed below.

- ii. Frozen conditions can inhibit effective topsoil segregation. When soil is frozen to a depth greater than the depth of topsoil, the soil will come off in thick slabs that contain both topsoil and subsoil, and mixing can result. If topsoiling will proceed under these conditions, it should be done at the excavation only. A ripper should be used to break up the frozen topsoil over the trench line only. Care should be taken to only rip to the actual depth of topsoil. Topsoil in the spoil storage area should be graded smooth to minimize mixing during backfilling. Sufficient time is needed to allow the newly graded topsoil to freeze in place prior to trenching.
- iii. Summer construction of large diameter pipelines in saturated/standing water wetlands with unconsolidated soils can be difficult and potentially result in greater wetland disturbance including wider trench widths and extensive rutting/surface disturbance. Constructing across these types of wetlands in the winter can result in fewer impacts. Heavy construction equipment can use and travel along the construction ROW in the winter by establishing temporary winter frost/ice roads over areas typically saturated during the summer. These frost/ice roads protect underlying vegetation and upper layers of wetland surfaces from disturbance potentially created during summer construction. The area of open excavation will be minimized during winter construction to reduce amount of frozen backfill and facilitate restoration to pre-construction contours. If winter conditions preclude final grading and cleanup, the Contractor will stabilize the area and temporary erosion control measures will remain in place until permanent erosion control measures are installed.
- iv. Dependent on site and weather conditions, Cenex may require the Contractor to install dormant seeding, mulching, and/or installation of erosion control blanket on stream banks or other sensitive locations.
- e. Cenex does not anticipate needing to request approval of alternative winter construction methods with the PSC, as much of the clearing is completed on the project.