



1250 West Century Avenue
Mailing Address:
P.O. Box 5601
Bismarck, ND 58506-5601
(701) 530-1600

January 27, 2023

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E., Room 1A
Washington, D.C. 20426

Re: OEP/DG2E/Gas Branch 4
WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Dear Ms. Bose:

WBI Energy Transmission, Inc. (WBI Energy), herewith submits responses to the environmental information requests of the Office of Energy Projects of the Federal Energy Regulatory Commission (Commission) received on January 20, 2023 in the above referenced docket.

WBI Energy will file revised alignment sheets, as referenced in the responses included herein, by February 3, 2023.

Pursuant to 18 CFR § 385.2010 of the Commission's regulations, copies of responses are being served to each person whose name appears on the official service list for this proceeding.

Any questions regarding this filing should be addressed to the undersigned at (701) 530-1563.

Sincerely,

/s/ Lori Myerchin

Lori Myerchin
Director, Regulatory Affairs and
Transportation Services

Attachments

cc: via email

David Hanobic, FERC Project Manager
Dawn Ramsey, FERC
Douglas Mooneyhan, Stantec
Lavinia DiSanto, Stantec
Official Service List

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated this 27th day of January 2023.

By /s/ Lori Myerchin
Lori Myerchin
Director, Regulatory Affairs and
Transportation Services
WBI Energy Transmission, Inc.
1250 West Century Avenue
Bismarck, ND 58503
Telephone: (701) 530-1563

STATE OF NORTH DAKOTA)
COUNTY OF BURLEIGH)

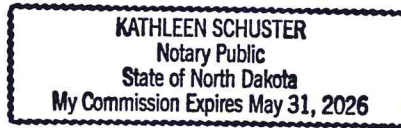
I, Lori Myerchin, being first duly sworn, do hereby depose and say that I am the Director, Regulatory Affairs and Transportation Services for WBI Energy Transmission, Inc.; that I have read the foregoing document; that I know the contents thereof; that I am authorized to execute such document; and that all such statements and matters set forth therein are true and correct to the best of my knowledge, information and belief.

Dated this 27th day of January 2023.

By *Lori Myerchin*
Lori Myerchin
Director, Regulatory Affairs and
Transportation Services

Subscribed and sworn to before me this 27th day of January 2023.

Kathleen Schuster
Kathleen Schuster, Notary Public
Burleigh County, North Dakota
My Commission Expires: 5/31/2026



WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 1

Clarify the apparent discrepancies regarding acreages that would be affected by the Project in table 1.1-3 (783.3 total acres affected by construction) and table 8.2-1 (1,160.5 total acres affected by construction), both in attachment 3 of the December 22 filing.

Response:

WBI Energy Transmission, Inc. (WBI Energy) clarifies that 783.3 total acres will be affected by construction (table 1.1-3 is correct). Some acreage was inadvertently double counted when developing the revised table 8.2-1. A revised version of Table 8.2-1 is provided in Attachment 1. (Note, table 1.1-3 is also revised in response to Data Request No 3, however the total construction acreage remains the same at 783.3 total acres.)

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 2

Regarding appendix 2E, clarify the apparent discrepancies such as:

- a. the inclusion of palustrine forested (PFO) wetlands in appendix 2E [at milepost (MP) 36.0] that are not included in table 3.5-1;
- b. "Woody wetlands" are included in table 3.5-1 (e.g., MPs 50.8, 50.9, and four wetlands between 51.1 and 51.4), but are not listed in appendix 2E; and
- c. appendix 2E indicates that 8.51 acres of wetlands would be affected, however table 2.3-1 indicates that 8.93 acres of wetlands would be affected.

Response:

- a. Table 3.5-1 identifies forested areas crossed by the Project centerline and appendix 2E identifies the acreage of wetland impacts affected by any Project workspace. The PFO wetland near milepost 36.0 is not crossed by the Project centerline and therefore is not included in table 3.5-1, but the PFO wetland is crossed by Project construction workspace and is therefore included in appendix 2E.
- b. The land cover designations included in table 3.5-1 are based on the National Land Cover Database (NLCD) and are not reflective of wetland field survey efforts completed as part of this Project which is the basis for appendix 2E. The four woody wetlands in table 3.5-1 did not exist during field survey. A footnote has been added to revised table 3.5-1 to acknowledge that discrepancies in the NLCD and field survey results may exist. The revised table 3.5-1 with this footnote is included in attachment 2.
- c. The construction impact (acres) for each wetland within the pipeline facilities section within Appendix 2E was accurate but the subtotal was inadvertently calculated to be 6.25 when it is 8.94. In addition, the access road_013 was removed during the December 2022 filing; however, the associated wetland (wcaa007e) was inadvertently kept in Appendix 2E under access road impacts. Further wetland delineations determined that the desktop wetland (DSK_WL_03) at the MDU-Wahpeton Border Station does not exist in the field.

Table 2.3-1 inadvertently omitted wetlands crossed by access roads and pipe yards.

Revised table 2.3-1 and an appendix 2E table are included with the corrected acreage in Attachment 2. The corrected acreage of temporary impacts on wetlands is 11.09 acres.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 3

Clarify the apparent discrepancies between tables 1.1-3 and 7.3-1. These apparent discrepancies include:

- a. differing acreages reported for construction at additional temporary workspaces (ATWS);
- b. minor discrepancies for acreages associated with the two border stations; and
- c. minor discrepancies for acreages associated with aboveground facilities.

Response:

Table 7.3-1 had inadvertently double counted some acreage associated with aboveground facility ATWS. In response to subparts a-c of this Data Request, WBI Energy has provided revised tables 1.1-3 and 7.3-1 in Attachment 3 to resolve the minor discrepancies between the tables. An additional sentence was added to footnote f to revised table 1.1-3 and a new footnote (footnote k) to revised table 7.3-1 was added clarifying that approximately 4.8 acres of ATWS are included within the temporary footprint for the MDU-Wahpeton and Kindred Border Stations. The project total ATWS is equal to 116.2 acres.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 4

Clarify the apparent discrepancies between appendix 8A, which sums to 115.0 acres for construction of ATWS, table 1.1-3 (which sums to 111.4 acres), and table 7.3-1 (which sums to 116.2 acres).

Response:

WBI Energy clarifies that 116.2 acres of ATWS will be utilized during construction. Some tables allocated ATWS acreage at aboveground facilities differently. A revised appendix 8A is provided in Attachment 4 and revised table 1.1-3, and table 7.3-1 are provided in Attachment 3 (see also response to Data Request No 3). To clarify the ATWS acreage discrepancy, footnotes to revised table 1.1-3 and table 7.3-1 were revised.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 5

Clarify the apparent discrepancy between appendix 7A, which sums to 542.19 acres for total acres affected, and table 1.1-3 (which sums to 783.3 acres) and indicate whether "footnote a" accounts for the possible discrepancy.

Response:

WBI Energy clarifies that 783.3 total acres will be affected by construction (see also response to Data Request No 1). Appendix 7A provides the acreage of impact by milepost to select soil characteristics along the Project pipeline's 75-foot-wide construction right-of-way. Appendix 7A does not include acreage of impacts by milepost for ATWS. The acreage of impact of the Project pipeline provided in table 1.1-3 is consistent with the acreage of impact provided in appendix 7A.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 6

Clarify the acreages reported for construction in table 3.5-2 for vegetation (744.4 acres) relative to the non-vegetated area reported in table 8.2-1 [i.e., open water (19.4 acres) and developed (42.0 acres), which sub-total 61.4 acres], which collectively sum to total construction encompassing 805.8 acres, not 783.3 acres per table 1.1-3.

Response:

WBI Energy clarifies that 783.3 total acres will be affected by construction (see also response to Data Request No 1). Some acreage was double counted between table 3.5-2 and table 8.2-1 due to wetlands being considered open water in table 8.2-1 and open/forested land in table 3.5-2. Table 3.5-2 has been revised to include a wetland column as a vegetation type (see Attachment 6). Table 8.2-1 for the open water category includes wetlands and waterbodies. Therefore, the total acreage in this land use table is not comparable or additive to the vegetation table 3.5-2, which includes wetlands as a vegetation type.

A revised table 8.2-1 is provided in Attachment 1 (see also Data Request No 1). A revised version of table 1.1-3 is provided in Attachment 3 to include a clarifying footnote (see also Data Request No 3).

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 7

Clarify the following apparent discrepancies between appendix 2E, table 2.2-2, and the alignment sheets, and confirm all wetlands and waterbodies and their associated attributes listed in appendix 2E and table 2.2-2 are indicated in the alignment sheets and vice versa. For example:

- a. wetlands DSK_WL_01 and DSK_WL_02 are depicted as present within the construction right-of-way in the alignment sheets but are not listed in appendix 2E;
- b. wetland wrie08e is listed as present at MP 60.2 in appendix 2E but is not indicated at this location in the alignment sheets;
- c. wetland wrie010e is listed as present at MP 55.8 in appendix 2E but is not evident in the alignment sheets;
- d. waterbodies srie006i and srie005i are newly listed in table 2.2-2 as open cut crossings at MP 34.5 but are not depicted in the alignment sheets;
- e. waterbody sird001e/srid001e is newly listed in table 2.2-2 as an open cut crossing at MP 47.4; however, the alignment sheets indicate this waterbody is present in the construction workspace but not crossed by the pipeline;
- f. waterbody srib006e/sirb006e is listed in table 2.2-2 and the ENVIRO section of the alignment sheets near MP 55.4 but is not depicted in the alignment sheets photo image;
- g. waterbody srie002e is indicated in the alignment sheets photo image near MP 56.0 but its associated information is not listed in the ENVIRO section of the alignment sheet, nor is srie002e listed in table 2.2-2; and
- h. waterbody sire001e/srie001e is listed in table 2.2-2 with an open-cut crossing method but is presented in the alignment sheets as occurring within the extents of the bore crossing under 73rd St SE; sire001e/srie001e is not listed in the ENVIRO section of the alignment sheet and thus no crossing method is provided in the alignment sheets. Clarify how this waterbody would be crossed.

Response:

- a. Desktop delineated wetlands DSK_WL_1 and DSK_WL_2 were reviewed in the field in September 2022. It was determined that DSK_WL_1 did not meet wetland criteria; therefore, it was not included in the appendix 2E table. DSK_WL_2 was field delineated and replaced with wetland wrie008e to specify that the boundary was field surveyed. The alignment sheets are being revised to reflect this change and will be filed as a supplement to this response by February 3, 2023.
- b. As mentioned above, wetland wrie008e replaces DSK_WL_2. This change is accurately reflected in the updated appendix 2E table in Attachment 2 and will be reflected in the revised alignment sheets to be filed as a supplement to this response by February 3, 2023.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

- c. Wetland wrie010e is being updated to display on the revised alignment sheets to be filed as a supplement to this response by February 3, 2023.
- d. Waterbodies srie006i and srie005i are being updated on the revised alignment sheets to display as open cut crossings to be filed as a supplement to this response by February 3, 2023.
- e. The crossing method in table 2.2-2 was inadvertently labeled as an open cut. This waterbody is crossed by the Project workspace but not the Project centerline. The crossing method for this waterbody has been updated in the revised table 2.2-2 table in Attachment 7 to reflect N/A with a footnote explaining that the project centerline does not cross the waterbody.
- f. Waterbody srib006e is no longer crossed by the Project and has been removed from the revised table 2.2-2 and will be removed from the ENVIRO section of the alignment sheet to be filed as a supplement to this response by February 3, 2023.
- g. The feature previously identified as srie002e is a vegetated swale with no discernable bed and bank. This feature was changed from an ephemeral stream to a palustrine emergent wetland (wrie010e) referenced in item c above. This change is being updated on the revised alignment sheets to be filed as a supplement to this response by February 3, 2023.
- h. The crossing method listed in the revised table 2.2-2 in Attachment 7 has been updated to reflect a bore crossing to match what is shown on the alignment sheets.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 8

Indicate if any additional projects were identified for inclusion in the cumulative impact analysis based on the adoption of the Wild Rice River Route Alternative or other project modifications. Include tabular data and figures for all Project areas including, but not limited to, the minor route adjustment from MP 30.1 to 30.8 and the Wild Rice River Route Alternative adopted between MP 55.1 and 59.6.

Response:

WBI Energy has determined that no additional projects were necessary to be included in the cumulative impacts analysis based on the adoption of the Wild Rice River Route Alternative or other project modifications. However, the locations of several Reasonably Foreseeable Future projects relative to the Project have changed based on the current project alignment. WBI Energy has provided a revised Appendix II in Attachment 8. Although some distances to Reasonably Foreseeable Future projects have been updated, these distance changes did not result in any changes to the resources affected in the impact analysis. Additionally, figures 1.10-1 and 1.10-2 have been updated to reflect the current pipeline centerline and are provided in Attachment 8.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 9

Provide the North Dakota State Historic Preservation Office's (SHPO) comments on the *Class III Archaeological Inventory Survey Report* (November 28, 2022) and *Class III Historic Architectural Survey* report (November 28, 2022) (both contained in attachment 8).

Response:

In a letter dated, January 17, 2023, the North Dakota SHPO (State Historic Society of North Dakota) provided comments on the *Class III Archaeological Inventory Survey Report* and *Class III Historic Architectural Survey* report submitted on November 28, 2022, stating the reports are acceptable (See Attachment 9). No edits or additional information relevant to the survey reports have been requested. However, the consultation package requires submittal of the Deep Testing report and an Avoidance and Monitoring Plan to be considered complete by the North Dakota SHPO. Upon receipt and review of these additional submittals, a decision regarding concurrence will be made by the North Dakota SHPO. See response to Data Request No. 10 for an update on the status of the Deep Testing report.

WBI Energy Transmission, Inc.
Wahpeton Expansion Project
Docket No. CP22-466-000

Response to FERC's January 20, 2023 Environmental Information Request

Data Request No. 10

When available, provide the deep testing report and the SHPO's comments on the report.

Response:

Winter conditions with large amounts of snow cover have limited WBI Energy's access to Deep Testing locations for field survey. Deep Testing surveys will be completed as soon as weather conditions and snow cover allow, with subsequent development of a report and submittal to the North Dakota SHPO. WBI Energy will file with FERC a copy of the Deep Testing report concurrent with the submittal to the North Dakota SHPO and promptly file any comments from the North Dakota SHPO upon receipt.

ENVIRONMENTAL INFORMATION REQUEST RESPONSE ATTACHMENTS

Attachment 1

Revised Table 8.2-1

TABLE 8.2-1

Wahpeton Expansion Project
Land Uses Affected by Construction and Operation of the Project (in acres) ^{a, b, c, d}

Facility/County/Workspace	Agricultural		Open Land		Forest		Developed		Open Water		Total	
	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.
Cass County												
Pipeline Facility												
Wahpeton Expansion Pipeline	217.6	145.5	0.0	0.0	0.3	0.3	3.5	2.5	0.8	0.6	222.2	149.0
ATWS	49.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	50.6	0.0
Aboveground Facilities												
Mapleton Compressor Station	2.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.9	0.0
MDU—Kindred Border Station	4.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.7
Valve Site #2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1
Access Roads	7.9	0.2	0.0	0.0	0.1	0.0	2.4	<0.1	0.1	0.0	10.5	0.2
Contractor Yards												
Kindred Yard	3.5	0.0	0.3	0.0	0.2	0.0	<0.1	0.0	0.0	0.0	4.1	0.0
Kost Yard	19.1	0.0	1.6	0.0	0.0	0.0	11.8	0.0	1.6	0.0	34.1	0.0
Subtotal	305.6	147.5	1.9	0.0	0.6	0.3	18.6	2.5	2.6	0.6	329.2	151.0
Richland County												
Pipeline Facility												
Wahpeton Expansion Pipeline	296.7	198.4	8.4	5.7	0.4	0.3	4.1	3.1	9.8	7.2	320.0	214.6
ATWS	56.9	0.0	1.4	0.0	0.1	0.0	1.7	0.0	0.6	0.0	60.8	0.0
Aboveground Facilities												
MDU—Wahpeton Border Station	3.5	1.7	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	4.0	1.7
Valve Site #4	0.4	0.1	0.0	0.0	0.0	0.0	0.1	0.0	<0.1	0.0	0.5	0.1
Valve Site #5	1.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	1.3	0.1
Valve Site #6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
Access Roads	6.9	1.1	0.3	0.0	0.3	0.0	5.3	1.8	0.4	<0.1	13.2	2.9
Contractor Yards												
Comstock North Yard	20.7	0.0	0.0	0.0	0.0	0.0	0.3	0.0	<0.1	0.0	21.0	0.0
Wahpeton City Yard	28.1	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	28.5	0.0

TABLE 8.2-1

Wahpeton Expansion Project
Land Uses Affected by Construction and Operation of the Project (in acres) ^{a, b, c, d}

Facility/County/Workspace	Agricultural		Open Land		Forest		Developed		Open Water		Total	
	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.
Comstock South Yard	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	4.7	0.0
Subtotal	414.2	201.3	10.1	5.7	0.8	0.3	17.3	4.9	11.1	7.2	454.4	219.5
SUBTOTALS BY FACILITY TYPE												
Pipeline Facility	621.0	343.9	9.8	5.7	0.8	0.6	10.7	5.6	11.3	7.8	653.6	363.6
Aboveground Facilities	12.7	3.6	0.0	0.0	0.0	0.0	0.8	0.0	0.2	0.0	13.6	3.6
Access Roads	14.8	1.3	0.3	0.0	0.3	0.0	7.7	1.8	0.6	<0.1	23.6	3.2
Contractor Yards	71.4	0.0	1.9	0.0	0.2	0.0	17.3	0.0	1.7	0.0	92.5	0.0
PROJECT TOTAL	719.8	348.9	12.0	5.7	1.3	0.6	36.4	7.4	13.7	7.8	783.3	370.4

^a The numbers in this table will be rounded for presentation purposes. As a result, the totals may not reflect the sum of the addends.

^b Valve #1 will be constructed and operated within the Mapleton Compressor Station site. Valve settings #3 and #7 will be constructed and operated within the construction and operational footprints of the MDU—Kindred Border Station and the MDU—Wahpeton Border Station, respectively. The construction and operational acreages for these valve settings are included within the acreages for the Mapleton Compressor Station, MDU—Kindred Border Station, and the MDU—Wahpeton Border Station. Four pig launcher/receiver settings will be collocated at Valve Sites #1, #2, #5, and #7. Land requirements for the pig launchers/receivers is accounted for in the land requirements for the four valves or other aboveground facilities.

^c Const. = construction; Oper. = operational

^d Approximately 4.8 acres of ATWS are included within the temporary footprint for the Wahpeton and Kindred Border Stations. The project total ATWS is equal to 116.2 acres.

Attachment 2

Revised Tables 2.3-1, 3.5-1, and Appendix 2E

TABLE 2.3-1

**Wahpeton Expansion Project
Wetland Types Crossed by the Project ^a**

NWI Classification ^b	Approximate Crossing Length (feet) ^c	Acreage Affected During Construction (acres) ^d	Acreage Affected During Operation
PEM	4,539	10.74	<0.01 ^e
PFO	178	0.35	<0.10 ^f
Project TOTAL	4,717	11.09	<0.10

^a Wetland crossings are based on WBI Energy's field survey data as of the end of the 2021 field season.

^b Types listed are those occurring within the 75-foot-wide construction corridor based on Cowardin classifications.

PEM = Palustrine emergent; may be temporarily, seasonally, or semi-permanently flooded

PSS = Palustrine scrub shrub

PFO = Palustrine forested

^c The length of the centerline crossing was calculated from field-delineated or NWI polygons, rounded to the nearest foot, and summed for each type. Values are rounded to the nearest tenth of an acre.

^d Based on the construction corridor and additional workspace areas associated with the construction corridor.

^e All palustrine emergent wetlands crossed by the Project will be restored to their original contour and re-seeded with a native emergent seed mix after construction; therefore, no permanent impacts will occur for the palustrine emergent wetlands crossed by the Project.

^f Woody vegetation will likely be permanently removed in the forested wetlands identified within the 10-foot-wide permanent easement along the pipeline route. The vegetation removal will constitute a wetland conversion from palustrine forested to palustrine emergent and, therefore, is considered an operational impact.

TABLE 3.5-1

**Wahpeton Expansion Project
Forested Areas Crossed by the Project Centerline Area**

Forested Land/County	Land Designation ^a	MP		Feet Crossed
		Entry	Exit	
Cass				
	Mixed Forest	24.1	24.1	167.4
	Mixed Forest	24.2	24.2	83.0
Richland				
	Forested Wetland (Surveyed)	34.2	34.3	178.3
	Mixed Forest	36.8	36.8	111.1
	Deciduous Forest	41.3	41.3	98.7
	Woody Wetlands	50.8	50.9	107.8
	Woody Wetlands	50.9	50.9	231.5
	Deciduous Forest	50.9	50.9	98.2
	Woody Wetlands	51.1	51.1	231.6
	Woody Wetlands	51.1	51.2	97.1
	Woody Wetlands	51.2	51.3	579.9
	Woody Wetlands	51.3	51.4	323.2

Source: Dewitz, 2021.

^a Land designation provided in this table were taken from the modified version of the 2019 National Land Cover Database (Dewitz, 2021) and are not based on the results of biological field surveys completed as part of this Project. Land cover information in this table may not match the results of the wetland and waterbody field survey (e.g., Resource Report 2 appendix 2E) or any other vegetation survey completed as part of this Project.

APPENDIX 2E
Wahpeton Expansion Project
Wetlands Crossed or Otherwise Affected by the Project ^{a, b}

Wetland ID	Cowardin Classification	Milepost	Centerline Distance Crossed (feet)	Construction Impact (acres)	Operation Impact ^c (acres)	Proposed Crossing Method
PIPELINE FACILITIES						
wcaa002e	PEM	4.9	54.1	0.09	0.00	Guided Bore
wcaa010e	PEM	5.1	11.6	0.01	0.00	Guided Bore
wcaa011e	PEM	5.2	10.5	0.01	0.00	Guided Bore
wcaa003e	PEM	5.9	32.0	0.04	0.00	Guided Bore
wcaa004e	PEM	6.0	24.0	0.04	0.00	Guided Bore
wcaa001e	PEM	6.6	14.7	0.02	0.00	Open Cut
wcaa005e	PEM	8.9	48.4	0.08	0.00	Guided Bore
wcaa006e	PEM	10.0	88.4	0.11	0.0	Open Cut
wcab001e	PEM	13.7	0.0	<0.01	0.00	Open Cut
wcab003e	PEM	13.7	0.0	0.07	0.00	Guided Bore
wcab002e	PEM	13.9	0.0	<0.01	0.00	Guided Bore
wcae006e	PEM	14.7	58.6	0.06	0.00	Guided Bore
wcab004e	PEM	14.7	21.5	0.06	0.00	Guided Bore
wcab005e	PEM	15.7	12.0	0.02	0.00	Guided Bore
wcab008e	PEM	18.8	29.1	0.05	0.00	Guided Bore
wrie009e	PEM	27.6	9.4	0.02	0.00	Guided Bore
wria002e	PEM	28.3	17.2	0.05	0.00	Guided Bore
wria003e	PEM	31.3	11.4	0.05	0.00	Guided bore
wria004e	PEM	31.4	14.6	0.02	0.0	Guided Bore
wrib001e	PEM	32.1	164.8	0.31	0.00	Open Cut
wrae002e	PEM	32.6	0.0	0.14	0.00	Open Cut
wrib003e	PEM	32.6	385.6	0.62	0.00	Open Cut
wrib005e	PEM	32.9	88.1	0.13	0.00	Open Cut
wrib006e	PEM	33.2	38.2	0.06	0.00	Open Cut
wrib007e	PEM	33.5	376.9	0.88	0.00	Open Cut
wrib013e	PEM	34.1	103.3	0.21	0.00	Open Cut
wrib014f	PFO	34.2	178.3	0.25	<0.10 ^d	Open Cut
wrib014e	PEM	34.3	214.7	0.38	0.00	Open Cut
wrib021e	PEM	34.5	821.3	1.62	0.00	Open Cut
wrib015e	PEM	35.6	14.4	0.02	0.00	Guided Bore
wrib016e	PEM	35.6	22.7	0.04	0.00	Guided Bore
wrib017e	PEM	35.7	368.0	0.67	0.00	Open Cut
wrib018e	PEM	35.8	245.1	0.36	0.00	Open Cut
wrib020f	PFO	36.0	0.0	0.10	<0.10 ^d	Open Cut
wrib020e	PEM	36.0	96.3	0.09	0.00	Open Cut
wrib019e	PEM	36.0	586.2	1.18	0.00	Guided Bore/Open Cut
wria006e	PEM	36.3	463.4	0.81	0.00	Open Cut
wria005e	PEM	37.8	12.4	0.02	0.00	Open Cut
wria009e	PEM	42.4	10.8	0.02	0.00	Guided Bore
wria008e	PEM	42.4	15.7	0.03	0.00	Guided Bore
wrid004e	PEM	51.9	23.3	0.04	0.00	Guided Bore

APPENDIX 2E
Wahpeton Expansion Project
Wetlands Crossed or Otherwise Affected by the Project ^{a, b}

Wetland ID	Cowardin Classification	Milepost	Centerline Distance Crossed (feet)	Construction Impact (acres)	Operation Impact ^c (acres)	Proposed Crossing Method
wrie010e	PEM	55.8	30.7	0.05	0.00	Open Cut
wrie008e	PEM	60.2	0.0	0.09	0.00	Open Cut
SUBTOTAL				8.94	<0.10	
ACCESS ROADS						
wcaa009e (TAR 005)	PEM	5.1	NA	0.11	0.00	NA
wcae008e (TAR 012)	PEM	8.8	NA	<0.01	0.00	NA
wcab003e (TAR 018)	PEM	13.7	NA	0.01	0.00	NA
wcab004e (TAR 019)	PEM	14.7	NA	0.01	0.00	NA
wcae003e (TAR 020)	PEM	16.2	NA	<0.01	0.00	NA
wcae004e (TAR 024.1)	PEM	20.1	NA	<0.01	0.00	NA
wria003e (PAR 034)	PEM	31.3	NA	<0.01	<0.01	NA
wrib021e (TAR 038)	PEM	34.5	NA	0.26	0.00	NA
wrae005e (TAR 046)	PEM	43.4	NA	<0.01	0.00	NA
wria010e (TAR 046)	PEM	43.4	NA	<0.01	0.00	NA
wria014e (TAR 046.1)	PEM	44.2	NA	<0.01	0.00	NA
wrae006e (TAR 047)	PEM	44.9	NA	<0.01	0.00	NA
wrae007e (TAR 048)	PEM	45.0	NA	<0.01	0.00	NA
wrid001e (TAR 049)	PEM	46.3	NA	<0.01	0.00	NA
wrid003e (TAR 051)	PEM	47.3	NA	<0.01	0.00	NA
SUBTOTAL				0.46	<0.01	
PIPE YARDS						
COMSTOCK YARD						
wrib026e	PEM	NA	NA	0.04	0.00	NA
KOST YARD						
wcab010e	PEM	NA	NA	1.65	0.00	NA
SUBTOTAL				1.69	<0.10	
TOTAL				11.09	<0.10	

^a The numbers in this table have been rounded for presentation purposes. As a result, the subtotals and totals may not reflect the exact sum of the addends in all cases.

^b NA = not applicable
PEM = Palustrine emergent wetland
PFO = Palustrine forested wetland
PSS = Palustrine scrub shrub wetland

^c All PEM wetlands, with the exception of wria003e, will be restored to their herbaceous state.

^d Permanent woody vegetation removal in PFO will occur in the 10-foot wide permanent pipeline easement. The permanent removal of woody vegetation will constitute a wetland conversion of PFO to PEM wetland.

Attachment 3

Revised Tables 1.1-3 and 7.3-1

TABLE 1.1-3

**Wahpeton Expansion Project
Revised Summary of Land Requirements ^a**

Facility	County	Land Affected During Construction (acres)	New Land Affected During Operation (acres)
Pipeline Right-of-Way ^b			
Project Pipeline	Cass, Richland	542.2	363.6
ATWS ^c	Cass, Richland	111.4	0.0
Subtotal		653.6	363.6
Contractor Yards			
Kost Yard	Cass	34.2	0.0
Kindred Yard	Cass	4.1	0.0
Comstock South Yard ^d	Richland	4.7	0.0
Comstock North Yard ^e	Richland	21.0	0.0
Wahpeton City Yard	Richland	28.5	0.0
Subtotal		92.5	0.0
Access Roads			
Temporary access roads	Cass/Richland	20.5	0.0
Permanent access roads	Cass/Richland	3.2	3.2
Subtotal		23.6	3.2
Aboveground Facilities			
Mapleton Compressor Station	Cass	2.9	0
MDU—Kindred Border Station ^f	Cass	4.1	1.7
MDU—Wahpeton Border Station ^f	Richland	4.0	1.7
Valve Site #1 ^g	Cass	0.0	0.0
Valve Site #2	Cass	0.7	0.1
Valve Site #3 ^g	Cass	0.0	0.0
Valve Site #4	Richland	0.5	<0.1
Valve Site #5	Richland	1.0	0.1
Valve Site #6	Richland	0.4	<0.1
Valve Site #7 ^g	Richland	0.0	0.0
Pig launchers/receivers ^h	Cass/Richland	0.0	0.0
Cathodic Protection Facilities ⁱ	Cass/Richland	0.0	0.0
Subtotal		13.6	3.6
PROJECT TOTAL		783.3	370.4

TABLE 1.1-3

**Wahpeton Expansion Project
Revised Summary of Land Requirements ^a**

Facility	County	Land Affected During Construction (acres)	New Land Affected During Operation (acres)
a		The numbers in this table have been rounded for presentation purposes; as a result, the totals may not reflect the sum of the addends.	
b		Based on a 75-foot-wide construction right-of-way for the 12-inch-diameter pipeline and a 50-foot-wide permanent right-of-way. Includes the cathodic protection facilities (the locations of which have not yet been determined), which are expected to be installed within the currently proposed workspace for the pipeline and aboveground facilities.	
c		Includes ATWS associated with pipeline.	
d		The Comstock South Yard (formally the Wahpeton Yard) was renamed after WBI Energy submitted its draft resource reports.	
e		The Comstock North Yard (formally the Comstock Yard) was renamed after WBI Energy submitted its draft resource reports.	
f		The acreage for these aboveground facilities excludes the temporary and permanent pipeline right-of-way within the temporary construction footprint of the facility. This acreage is attributed under the acreage for the pipeline. Approximately 4.8 acres of ATWS are included within the temporary footprint for the Wahpeton and Kindred Border Stations. The project total ATWS is equal to 116.2 acres.	
g		Valve #1 will be constructed and operated within the Mapleton Compressor Station fence line. Valves #3 and #7 will be constructed and operated within the construction and operational footprints of the MDU—Kindred Border Station and the MDU—Wahpeton Border Station, respectively. Land requirements for Valves #1, #3, and #7 are accounted for in the land requirements for the compressor station modification and MDU Border Stations.	
h		The four pig launcher/receiver settings will be collocated with Valves #1, #2, #5, and #7; therefore, land requirements for the pig launchers/receivers are accounted for in the land requirements for the four valve sites or other aboveground facilities (i.e., the compressor station modifications and the MDU—Wahpeton Border Station).	
i		The specific locations of the cathodic protection facilities are still being determined. These facilities are expected to be installed within the currently proposed workspace for the pipeline and aboveground facilities.	

TABLE 7.3-1

Wahpeton Expansion Project
Acres of Soil Characteristics Affected by the Proposed Project ^a

Facility	Total Acres	Prime Farmland ^b	Hydric ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Rocky ^g	Shallow Bedrock ^h
					Water ^d	Wind ^e			
Pipeline Right-of-Way									
Permanent Easement	363.6	271.5	229.6	331.6	16.4	8.6	6.9	0.0	0.0
Temporary Workspace	178.6	133.6	113.8	164.4	7.7	4.3	3.0	0.0	0.0
Additional Temporary Workspace	111.4	77.1	67.7	101.0	4.3	2.1	1.5	0.0	0.0
Subtotal	653.6	482.3	411.2	597.0	28.4	15.0	11.4	0.0	0.0
Contractor Yards									
Temporary Workspace									
Kost Yard	34.2	34.2	34.2	34.2	0.0	0.0	0.0	0.0	0.0
Kindred Yard	4.1	1.2	4.1	4.1	0.0	0.0	0.0	0.0	0.0
Comstock North Yard	21.0	17.6	21.0	21.0	0.0	0.0	0.0	0.0	0.0
Wahpeton City Yard	28.5	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Comstock South Yard	4.7	0.0	1.7	1.7	0.0	0.0	0.0	0.0	0.0
Subtotal	92.5	81.4	60.9	89.4	0.0	0.0	0.0	0.0	0.0
Access Roads									
Permanent Access Roads	3.2	0.7	2.6	3.0	0.0	0.0	0.0	0.0	0.0
Temporary Access Roads	20.5	13.6	8.5	15.8	0.3	1.3	0.8	0.0	0.0
Subtotal	23.6	14.3	11.1	18.8	0.3	1.3	0.8	0.0	0.0
Aboveground Facilities									
Permanent Workspace									
Mapleton Compressor Station	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MDU—Kindred Border Station	1.7	0.4	1.7	1.7	0.0	0.0	0.0	0.0	0.0
MDU—Wahpeton Border Station	1.7	1.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0
Valve Site #1 ⁱ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valve Site #2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Valve Site #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valve Site #4	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Valve Site #5	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Valve Site #6	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Valve Site #7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pig launchers/receivers ^j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temporary Workspace									

TABLE 7.3-1

Wahpeton Expansion Project
Acres of Soil Characteristics Affected by the Proposed Project ^a

Facility	Total Acres	Prime Farmland ^b	Hydric ^b	Compaction Prone ^c	Highly Erodible		Revegetation Concerns ^f	Rocky ^g	Shallow Bedrock ^h
					Water ^d	Wind ^e			
Mapleton Compressor Station	2.9	2.9	2.8	2.8	0.0	0.0	0.0	0.0	0.0
MDU—Kindred Border Station ^k	2.5	1.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0
MDU—Wahpeton Border Station ^k	2.4	2.4	0.5	2.4	0.0	0.0	0.0	0.0	0.0
Valve Site #1 ⁱ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valve Site #2	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
Valve Site #3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valve Site #4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0
Valve Site #5	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Valve Site #6	0.3	0.3	0.1	0.3	0.0	0.0	0.0	0.0	0.0
Valve Site #7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pig launchers/receivers ^j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	13.6	9.8	9.1	13.6	0.0	0.0	0.0	0.0	0.0
Total	783.3	587.8	492.3	718.8	28.7	16.3	12.2	0.0	0.0

Source: Soil Survey Staff, 2020a; 2020b.

^a The area affected includes all permanent and temporary workspace (including additional temporary workspace). The numbers in this table have been rounded for presentation purposes. As a result, the totals may not reflect the sum of the addends. The values in each row may not add up to the total acreage for each facility because the soils may occur in more than one characteristic class or may not occur in any class listed in the table.

^b As designated by the NRCS. Prime farmland includes those soils that are considered prime if a limiting factor is mitigated (e.g., through artificial drainage) and soils designated as farmland of statewide importance. Hydric soils are soils in poor to very poor drainage classes.

^c Soils in somewhat poor to very poor drainage classes with surface textures of sandy clay loam and finer.

^d Soils in land capability subclasses 4E through 8E and soils with an average slope greater than 8 percent.

^e Soils with a Wind Erodibility Group (WEG) classification of 1 or 2.

^f Soils with a surface texture of sandy loam or coarser that are moderately well to excessively drained and soils with an average slope greater than 8 percent.

^g Soils with one or more horizons that have a cobbly, stony, bouldery, channery, flaggy, very gravelly, or extremely gravelly modifier to the textural class and/or contain greater than 5 percent by weight rocks larger than 3 inches.

^h Soils identified as containing bedrock within 60 inches of the soil surface.

ⁱ Valve #1 will be constructed and operated within the Mapleton Compressor Station fence line. Valves #3 and #7 will be constructed and operated within the construction and operational footprints of the MDU—Kindred Border Station and the MDU—Wahpeton Border Station, respectively. Soil resource impacts for Valves #1, #3, and #7 are accounted for in the soil resource impacts for the compressor station modification and MDU Border Stations.

^j The four pig launcher/receiver settings will be collocated with Valves #1, #2, #5, and #7; therefore, soil resource impacts for the pig launchers/receivers are accounted for in the soil resource impacts for the four valve sites or other aboveground facilities (i.e., the compressor station modifications and the MDU—Wahpeton Border Station).

^k Approximately 4.8 acres of ATWS are included within the temporary footprint for the Wahpeton and Kindred Border Stations. The Project total ATWS is equal to 116.2 acres.

Attachment 4
Revised Appendix 8A

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_001_a	0.4	Agriculture, Developed	0.2	140.2	142.6	Cass	Private
Pipeline Facility	EWS_003	0.7	Agriculture, Developed	0.3	50.0	300.0	Cass	Private
Pipeline Facility	EWS_001	0.7	Agriculture, Developed	0.2	25.0	300.5	Cass	Private
Pipeline Facility	EWS_004	0.8	Agriculture	0.3	50.0	301.4	Cass	Private
Pipeline Facility	EWS_002	0.8	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_006	1.1	Agriculture	0.8	153.0	890.9	Cass	Private
Pipeline Facility	EWS_005	1.1	Agriculture	0.9	50.0	756.8	Cass	Private
Pipeline Facility	EWS_008	1.3	Agriculture	0.8	50.0	675.7	Cass	Private
Pipeline Facility	EWS_007	1.4	Agriculture	0.8	153.3	808.0	Cass	Private
Pipeline Facility	EWS_010	1.5	Agriculture	0.2	58.4	241.6	Cass	Private
Pipeline Facility	EWS_009	1.5	Agriculture	0.7	216.6	351.9	Cass	Private
Pipeline Facility	EWS_012	1.6	Agriculture, Developed	0.4	172.7	319.3	Cass	Private
Pipeline Facility	EWS_011	1.6	Agriculture	0.3	77.3	222.8	Cass	Private
Pipeline Facility	EWS_012_b	1.7	Agriculture	0.2	142.3	149.6	Cass	Private
Pipeline Facility	EWS_012_c	1.8	Agriculture	0.2	92.6	184.6	Cass	Private
Pipeline Facility	EWS_012_d	1.9	Agriculture	0.2	92.4	184.8	Cass	Private
Pipeline Facility	EWS_014	2.6	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_013	2.6	Agriculture	0.3	50.0	301.2	Cass	Private
Pipeline Facility	EWS_016	2.7	Agriculture	0.2	25.0	300.6	Cass	Private
Pipeline Facility	EWS_015	2.7	Agriculture, Developed	0.3	50.0	300.5	Cass	Private
Pipeline Facility	EWS_018	3.6	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_017	3.6	Agriculture	0.3	50.2	301.0	Cass	Private
Pipeline Facility	EWS_020	3.7	Agriculture, Developed	1.2	248.0	709.3	Cass	Private
Pipeline Facility	EWS_019_b	3.8	Agriculture	0.3	23.0	629.6	Cass	Private
Pipeline Facility	EWS_019_d	3.9	Agriculture	0.2	23.0	300.0	Cass	Private
Pipeline Facility	EWS_019_c	3.9	Agriculture	0.6	50.0	551.3	Cass	Private
Pipeline Facility	EWS_019_e	4.4	Agriculture	0.2	124.2	140.9	Cass	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_019_f	4.6	Agriculture	0.2	140.5	142.1	Cass	Private
Pipeline Facility	EWS_045	4.9	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_052	4.9	Agriculture	0.3	50.0	300.5	Cass	Private
Pipeline Facility	EWS_054	5.0	Agriculture	0.9	50.0	802.7	Cass	Private
Pipeline Facility	EWS_048	5.0	Agriculture	0.4	25.0	740.6	Cass	Private
Pipeline Facility	EWS_050	5.2	Agriculture	0.4	100.0	463.3	Cass	Private
Pipeline Facility	EWS_056	5.2	Agriculture	0.7	150.0	547.7	Cass	Private
Pipeline Facility	EWS_056_b	5.3	Agriculture	0.2	140.9	141.4	Cass	Private
Pipeline Facility	EWS_040	5.4	Agriculture	0.3	50.0	300.5	Cass	Private
Pipeline Facility	EWS_044	5.4	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_047	5.5	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_041	5.5	Agriculture	0.3	50.0	300.5	Cass	Private
Pipeline Facility	EWS_051	5.8	Agriculture	1.0	50.0	866.1	Cass	Private
Pipeline Facility	EWS_043	5.8	Agriculture	0.7	100.0	866.1	Cass	Private
Pipeline Facility	EWS_046	6.0	Agriculture	0.7	100.0	850.6	Cass	Private
Pipeline Facility	EWS_053	6.1	Agriculture	1.0	50.0	851.1	Cass	Private
Pipeline Facility	EWS_053_b	6.3	Agriculture	0.2	99.9	141.7	Cass	Private
Pipeline Facility	EWS_029	6.4	Agriculture	0.3	50.0	300.0	Cass	Private
Pipeline Facility	EWS_030	6.4	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_021	6.5	Agriculture, Developed	1.3	265.0	730.5	Cass	Private
Pipeline Facility	EWS_022	6.5	Agriculture, Developed	0.2	20.0	410.8	Cass	Private
Pipeline Facility	EWS_022_d	6.7	Agriculture	0.6	50.0	550.0	Cass	Private
Pipeline Facility	EWS_022_c	6.7	Agriculture	0.2	20.0	380.3	Cass	Private
Pipeline Facility	EWS_025	7.2	Agriculture, Developed	0.1	20.0	300.0	Cass	Private
Pipeline Facility	EWS_023	7.2	Agriculture, Developed	0.3	50.0	300.4	Cass	Private
Pipeline Facility	EWS_026	7.2	Agriculture, Developed	0.1	20.0	300.1	Cass	Private
Pipeline Facility	EWS_024	7.2	Agriculture, Developed	0.3	50.0	300.4	Cass	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_032	8.2	Agriculture, Developed	0.1	20.0	300.0	Cass	Private
Pipeline Facility	EWS_027	8.2	Agriculture	0.3	50.0	300.6	Cass	Private
Pipeline Facility	EWS_033	8.2	Agriculture, Developed	0.2	25.0	300.3	Cass	Private
Pipeline Facility	EWS_028	8.2	Agriculture, Developed	0.3	50.0	300.4	Cass	Private
Pipeline Facility	EWS_034	8.3	Agriculture, Developed	0.2	25.0	300.1	Cass	Private
Pipeline Facility	EWS_031	8.3	Agriculture, Developed	0.5	167.7	290.7	Cass	Private
Pipeline Facility	EWS_036	8.4	Agriculture	0.5	225.0	249.8	Cass	Private
Pipeline Facility	EWS_035	8.4	Agriculture	0.2	25.0	299.8	Cass	Private
Pipeline Facility	EWS_039	9.2	Agriculture, Developed	0.3	50.0	300.6	Cass	Private
Pipeline Facility	EWS_037	9.2	Agriculture, Developed	0.2	24.8	300.3	Cass	Private
Pipeline Facility	EWS_038	9.3	Agriculture, Developed	0.4	186.9	238.0	Cass	Private
Pipeline Facility	EWS_042	9.3	Agriculture, Developed	0.3	76.7	279.0	Cass	Private
Pipeline Facility	EWS_058	10.0	Agriculture	0.7	104.7	424.8	Cass	Private
Pipeline Facility	EWS_057	10.0	Agriculture	2.0	254.1	546.7	Cass	Private
Pipeline Facility	EWS_060	10.1	Agriculture	0.3	50.0	300.9	Cass	Private
Pipeline Facility	EWS_059	10.1	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_061	10.6	Agriculture, Developed	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_062	10.6	Agriculture, Developed	0.3	50.0	309.3	Cass	Private
Pipeline Facility	EWS_064	10.7	Agriculture	0.5	144.4	376.8	Cass	Private
Pipeline Facility	EWS_063	10.7	Agriculture	0.2	32.5	297.8	Cass	Private
Pipeline Facility	EWS_068	11.6	Agriculture	0.1	25.0	300.0	Cass	Private
Pipeline Facility	EWS_073	11.6	Agriculture	0.3	50.0	300.6	Cass	Private
Pipeline Facility	EWS_075	11.7	Agriculture	0.3	50.0	300.9	Cass	Private
Pipeline Facility	EWS_070	11.7	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_072	12.1	Agriculture	0.2	26.8	324.9	Cass	Private
Pipeline Facility	EWS_076	12.1	Agriculture	0.4	110.9	361.9	Cass	Private
Pipeline Facility	EWS_065	12.2	Agriculture	0.4	96.5	369.2	Cass	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_066	12.2	Agriculture	0.2	68.6	277.8	Cass	Private
Pipeline Facility	EWS_067	12.6	Agriculture, Developed	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_071	12.6	Agriculture, Developed	0.3	50.0	301.3	Cass	Private
Pipeline Facility	EWS_069	12.7	Agriculture	0.2	25.0	300.3	Cass	Private
Pipeline Facility	EWS_074	12.7	Agriculture	0.3	50.0	300.6	Cass	Private
Pipeline Facility	EWS_078	13.6	Agriculture	0.3	50.0	307.6	Cass	Private
Pipeline Facility	EWS_077	13.6	Agriculture	1.2	250.3	383.9	Cass	Private
Pipeline Facility	EWS_081	13.7	Agriculture	1.1	250.2	392.4	Cass	Private
Pipeline Facility	EWS_079	13.8	Agriculture	0.1	15.0	315.4	Cass	Private
Pipeline Facility	EWS_085	14.7	Agriculture	0.1	15.0	329.9	Cass	Private
Pipeline Facility	EWS_088	14.7	Agriculture	0.7	149.4	378.3	Cass	Private
Pipeline Facility	EWS_080	14.8	Agriculture	0.6	101.9	440.7	Cass	Private
Pipeline Facility	EWS_082	14.8	Agriculture	0.2	29.3	303.9	Cass	Private
Pipeline Facility	EWS_083	15.7	Agriculture, Developed	0.3	50.0	301.3	Cass	Private
Pipeline Facility	EWS_086	15.7	Agriculture, Developed	0.2	25.0	299.7	Cass	Private
Pipeline Facility	EWS_087	15.8	Agriculture	0.2	25.0	299.7	Cass	Private
Pipeline Facility	EWS_084	15.8	Agriculture	0.3	50.0	301.5	Cass	Private
Pipeline Facility	EWS_092	16.6	Agriculture	0.3	50.0	301.2	Cass	Private
Pipeline Facility	EWS_089	16.7	Agriculture	0.3	100.0	337.3	Cass	Private
Pipeline Facility	EWS_091	16.8	Agriculture	0.2	24.9	299.7	Cass	Private
Pipeline Facility	EWS_094	16.8	Agriculture	0.3	50.0	301.5	Cass	Private
Pipeline Facility	EWS_097	17.7	Agriculture	0.3	49.7	301.3	Cass	Private
Pipeline Facility	EWS_095	17.7	Agriculture	0.2	25.0	299.7	Cass	Private
Pipeline Facility	EWS_096	17.8	Agriculture	0.2	25.0	299.7	Cass	Private
Pipeline Facility	EWS_098	17.8	Agriculture, Developed	0.3	50.0	301.5	Cass	Private
Pipeline Facility	EWS_101	18.7	Agriculture	0.3	50.0	301.3	Cass	Private
Pipeline Facility	EWS_099	18.7	Agriculture	0.2	25.0	299.7	Cass	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_102	18.8	Agriculture, Developed	0.4	50.0	367.1	Cass	Private
Pipeline Facility	EWS_100	18.8	Agriculture	0.2	25.0	299.8	Cass	Private
Pipeline Facility	EWS_103	19.7	Agriculture	0.5	102.1	416.6	Cass	Private
Pipeline Facility	EWS_105	19.7	Agriculture	0.2	25.0	290.0	Cass	Private
Pipeline Facility	EWS_108	19.8	Agriculture, Developed	0.7	173.1	372.8	Cass	Private
Pipeline Facility	EWS_107	19.8	Agriculture, Developed	0.2	25.0	339.6	Cass	Private
Pipeline Facility	EWS_111	20.8	Agriculture	0.3	50.0	301.1	Cass	Private
Pipeline Facility	EWS_109	20.8	Agriculture	0.2	25.0	300.0	Cass	Private
Pipeline Facility	EWS_110	20.9	Agriculture	0.2	25.0	299.6	Cass	Private
Pipeline Facility	EWS_112	20.9	Agriculture	0.3	50.0	301.2	Cass	Private
Pipeline Facility	EWS_115	21.8	Agriculture	0.3	50.0	301.1	Cass	Private
Pipeline Facility	EWS_113	21.8	Agriculture	0.2	25.0	299.8	Cass	Private
Pipeline Facility	EWS_114	21.8	Agriculture	0.2	160.9	207.7	Cass	Private
Pipeline Facility	EWS_116	21.9	Agriculture, Developed	0.3	42.0	300.7	Cass	Private
Pipeline Facility	EWS_116_b	22.3	Agriculture, Developed	0.2	142.3	156.7	Cass	Private
Pipeline Facility	EWS_119	23.3	Agriculture	0.3	50.0	300.8	Cass	Private
Pipeline Facility	EWS_117	23.3	Agriculture	0.2	25.0	299.9	Cass	Private
Aboveground Facility	EWS_121	23.4	Agriculture	2.5	359.5	564.1	Cass	Private
Pipeline Facility	EWS_121_b	23.7	Agriculture, Developed	0.2	141.4	142.5	Cass	Private
Pipeline Facility	EWS_125	24.0	Agriculture	1.0	50.0	850.5	Cass	Private
Pipeline Facility	EWS_123	24.1	Agriculture	0.7	100.0	850.0	Cass	Private
Pipeline Facility	EWS_124	24.2	Agriculture	0.7	100.0	850.0	Cass	Private
Pipeline Facility	EWS_126	24.3	Agriculture	1.0	50.0	850.5	Cass	Private
Pipeline Facility	EWS_127	24.7	Agriculture	0.2	30.1	299.3	Cass	Private
Pipeline Facility	EWS_129	24.7	Agriculture	0.3	55.9	307.5	Cass	Private
Pipeline Facility	EWS_128	24.8	Agriculture	0.2	25.0	299.8	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_130	24.8	Agriculture	0.3	50.0	300.9	Richland	Private
Pipeline Facility	EWS_130_b	25.7	Agriculture	0.1	116.3	141.3	Richland	Private
Pipeline Facility	EWS_131	26.6	Agriculture	0.3	50.0	301.1	Richland	Private
Pipeline Facility	EWS_132	26.6	Agriculture	0.1	14.2	299.9	Richland	Private
Pipeline Facility	EWS_133	26.7	Agriculture	0.3	50.0	301.5	Richland	Private
Pipeline Facility	EWS_134	26.7	Agriculture	0.1	14.5	299.6	Richland	Private
Pipeline Facility	EWS_135	27.6	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_136	27.6	Agriculture	0.1	21.8	300.0	Richland	Private
Pipeline Facility	EWS_137	27.7	Agriculture	0.3	50.0	300.7	Richland	Private
Pipeline Facility	EWS_138	27.7	Agriculture	0.1	21.9	300.0	Richland	Private
Pipeline Facility	EWS_138_b	28.2	Agriculture	0.2	140.6	141.4	Richland	Private
Pipeline Facility	EWS_139	28.3	Agriculture	0.2	25.0	418.8	Richland	Private
Pipeline Facility	EWS_141	28.3	Agriculture	0.5	50.0	420.3	Richland	Private
Pipeline Facility	EWS_140	28.4	Agriculture	0.2	25.0	401.5	Richland	Private
Pipeline Facility	EWS_142	28.4	Agriculture	0.5	50.0	400.0	Richland	Private
Pipeline Facility	EWS_144	29.3	Agriculture	0.2	25.0	299.8	Richland	Private
Pipeline Facility	EWS_147	29.3	Agriculture	0.3	50.0	301.8	Richland	Private
Pipeline Facility	EWS_145	29.3	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_148	29.3	Agriculture	0.3	50.0	300.9	Richland	Private
Pipeline Facility	EWS_150_a	30.1	Agriculture	0.2	92.2	182.3	Richland	Private
Pipeline Facility	EWS_150_b	30.3	Agriculture	0.2	92.1	182.3	Richland	Private
Pipeline Facility	EWS_149_a	30.3	Agriculture	0.3	50.0	301.4	Richland	Private
Pipeline Facility	EWS_149_b	30.3	Agriculture	0.2	25.0	293.5	Richland	Private
Pipeline Facility	EWS_149_d	30.4	Agriculture, Developed	0.2	25.0	299.8	Richland	Private
Pipeline Facility	EWS_149_c	30.4	Agriculture, Developed	0.3	50.0	300.9	Richland	Private
Pipeline Facility	EWS_146_d	30.7	Agriculture	0.2	90.8	183.1	Richland	Private
Pipeline Facility	EWS_146_c	30.9	Agriculture	0.2	90.6	183.3	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_151	31.3	Agriculture, Forest	0.3	25.0	512.0	Richland	Private
Pipeline Facility	EWS_153	31.3	Agriculture, Developed	0.9	205.8	566.3	Richland	Private
Pipeline Facility	EWS_152	31.4	Agriculture	0.3	25.0	512.0	Richland	Private
Pipeline Facility	EWS_154	31.4	Agriculture	0.6	50.0	511.6	Richland	Private
Pipeline Facility	EWS_157	32.3	Agriculture, Developed	0.2	25.0	299.8	Richland	Private
Pipeline Facility	EWS_161	32.3	Agriculture	0.3	50.0	301.6	Richland	Private
Pipeline Facility	EWS_158	32.4	Agriculture	0.2	25.1	300.0	Richland	Private
Pipeline Facility	EWS_162	32.4	Agriculture	0.3	50.0	300.9	Richland	Private
Pipeline Facility	EWS_162_b	32.6	Agriculture	0.2	141.8	141.9	Richland	Private
Pipeline Facility	EWS_162_c	32.6	Agriculture, Open Water	0.7	148.5	281.5	Richland	Private
Pipeline Facility	EWS_159	33.4	Agriculture	0.3	50.0	301.6	Richland	Private
Pipeline Facility	EWS_155	33.4	Agriculture	0.2	25.0	299.7	Richland	Private
Pipeline Facility	EWS_156	33.5	Agriculture, Open Water	0.2	25.0	299.8	Richland	Private
Pipeline Facility	EWS_160	33.5	Agriculture, Open Water	0.3	50.0	300.9	Richland	Private
Pipeline Facility	EWS_160_b	34.4	Agriculture, Developed	0.2	140.6	141.4	Richland	Private
Pipeline Facility	EWS_160_c	34.5	Agriculture	0.8	151.2	398.0	Richland	Private
Pipeline Facility	EWS_160_e	34.9	Agriculture	0.2	85.1	188.3	Richland	Private
Pipeline Facility	EWS_160_f	35.0	Open Land	0.4	100.0	306.2	Richland	Private
Pipeline Facility	EWS_163	35.6	Open Land	0.2	25.0	294.0	Richland	Private
Pipeline Facility	EWS_164	35.6	Open Land	0.4	50.0	323.1	Richland	Private
Pipeline Facility	EWS_165	35.7	Open Land	0.1	25.0	114.3	Richland	Private
Pipeline Facility	EWS_166	35.7	Developed, Open Land	0.1	50.1	129.0	Richland	Private
Pipeline Facility	EWS_167	36.1	Open Water	0.2	25.0	299.7	Richland	Private
Pipeline Facility	EWS_170	36.2	Agriculture, Open Land	0.3	58.6	298.7	Richland	Private
Pipeline Facility	EWS_169	36.2	Open Land	0.2	28.0	312.5	Richland	Private
Pipeline Facility	EWS_171	36.7	Agriculture, Developed, Open Land	0.2	25.0	299.8	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_172	36.7	Agriculture, Developed	0.4	50.0	327.3	Richland	Private
Pipeline Facility	EWS_174	36.8	Agriculture, Forest	0.3	50.0	289.1	Richland	Private
Pipeline Facility	EWS_173	36.8	Agriculture, Forest, Open Land	0.5	124.0	448.3	Richland	Private
Pipeline Facility	EWS_175	37.5	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_176	37.5	Agriculture	0.2	25.0	300.3	Richland	Private
Pipeline Facility	EWS_177	37.6	Agriculture	0.3	50.0	300.6	Richland	Private
Pipeline Facility	EWS_178	37.6	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_179	38.5	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_180	38.5	Agriculture	0.2	25.0	300.3	Richland	Private
Pipeline Facility	EWS_181	38.6	Agriculture	0.2	130.2	171.5	Richland	Private
Pipeline Facility	EWS_182	38.6	Agriculture	0.6	255.2	296.5	Richland	Private
Pipeline Facility	EWS_182_a	39.8	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_182_b	39.8	Agriculture, Developed	0.1	18.4	300.2	Richland	Private
Pipeline Facility	EWS_182_c	39.9	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_182_d	39.9	Agriculture, Developed	0.1	18.9	300.0	Richland	Private
Pipeline Facility	EWS_183	40.4	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_184	40.4	Agriculture	0.1	20.9	300.2	Richland	Private
Pipeline Facility	EWS_185	40.5	Agriculture	0.3	50.0	300.6	Richland	Private
Pipeline Facility	EWS_186	40.5	Agriculture	0.1	20.9	300.0	Richland	Private
Pipeline Facility	EWS_187	40.9	Agriculture	0.2	18.3	600.8	Richland	Private
Pipeline Facility	EWS_188	40.9	Agriculture	0.9	125.0	599.8	Richland	Private
Pipeline Facility	EWS_189	41.0	Agriculture	0.0	16.8	50.2	Richland	Private
Pipeline Facility	EWS_191	41.0	Agriculture, Developed	1.9	432.6	730.3	Richland	Private
Pipeline Facility	EWS_191_b	41.1	Agriculture, Developed	0.1	65.0	100.1	Richland	Private
Pipeline Facility	EWS_190	41.1	Agriculture	0.6	25.0	1019.7	Richland	Private
Pipeline Facility	EWS_192	41.2	Agriculture	1.3	125.0	953.4	Richland	Private
Pipeline Facility	EWS_192_e	41.3	Agriculture	0.5	125.0	300.8	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_192_d	41.3	Agriculture	0.2	25.0	300.3	Richland	Private
Pipeline Facility	EWS_192_b	41.9	Agriculture, Developed	0.2	69.6	195.4	Richland	Private
Pipeline Facility	EWS_192_c	42.0	Agriculture	0.2	93.4	183.4	Richland	Private
Pipeline Facility	EWS_193	42.3	Agriculture, Developed	0.3	70.6	230.1	Richland	Private
Pipeline Facility	EWS_195	42.4	Agriculture, Developed	0.2	170.0	180.2	Richland	Private
Pipeline Facility	EWS_196	42.4	Agriculture	0.2	25.0	300.3	Richland	Private
Pipeline Facility	EWS_194	42.4	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_198	44.4	Agriculture	0.2	40.7	290.1	Richland	Private
Pipeline Facility	EWS_197	44.4	Agriculture, Developed	0.7	123.3	286.2	Richland	Private
Pipeline Facility	EWS_200	44.5	Agriculture	0.4	91.6	337.0	Richland	Private
Pipeline Facility	EWS_199	44.5	Agriculture	0.2	40.7	288.8	Richland	Private
Pipeline Facility	EWS_201	44.9	Agriculture, Developed	0.3	31.4	460.7	Richland	Private
Pipeline Facility	EWS_205	44.9	Agriculture	0.7	124.9	460.0	Richland	Private
Pipeline Facility	EWS_206	45.0	Agriculture	0.7	124.8	460.0	Richland	Private
Pipeline Facility	EWS_202	45.0	Agriculture, Developed	0.3	27.6	459.3	Richland	Private
Pipeline Facility	EWS_203	45.4	Agriculture	0.1	16.3	300.1	Richland	Private
Pipeline Facility	EWS_207	45.4	Agriculture	0.3	48.8	300.0	Richland	Private
Pipeline Facility	EWS_208	45.5	Agriculture, Developed	0.3	48.6	300.5	Richland	Private
Pipeline Facility	EWS_204	45.5	Agriculture, Developed	0.1	16.5	300.0	Richland	Private
Pipeline Facility	EWS_211	46.4	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_209	46.4	Agriculture	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_212	46.5	Agriculture	0.3	50.0	300.3	Richland	Private
Pipeline Facility	EWS_210	46.5	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_212_e	47.3	Agriculture	0.2	54.9	187.3	Richland	Private
Pipeline Facility	EWS_212_d	47.4	Agriculture	0.1	62.2	140.3	Richland	Private
Pipeline Facility	EWS_213	47.9	Agriculture	0.4	51.8	300.1	Richland	Private
Pipeline Facility	EWS_214	47.9	Developed	0.1	15.2	300.0	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_216	48.0	Developed	0.1	16.5	300.0	Richland	Private
Pipeline Facility	EWS_215	48.0	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_217	48.3	Agriculture, Developed	0.1	17.0	300.0	Richland	Private
Pipeline Facility	EWS_219	48.3	Agriculture, Developed	0.4	142.0	255.7	Richland	Private
Pipeline Facility	EWS_220	48.4	Agriculture	0.3	46.6	300.0	Richland	Private
Pipeline Facility	EWS_218	48.4	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_222	48.8	Agriculture	0.2	46.8	253.2	Richland	Private
Pipeline Facility	EWS_221	48.9	Agriculture	0.4	171.8	228.3	Richland	Private
Pipeline Facility	EWS_223	48.9	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_224	48.9	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_225	49.9	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_226	49.9	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_227	49.9	Agriculture	0.3	50.0	300.1	Richland	Private
Pipeline Facility	EWS_228	49.9	Agriculture	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_228_b	50.5	Agriculture, Open Water	3.8	112.7	2979.3	Richland	Private
Pipeline Facility	EWS_228_c	50.5	Agriculture, Forest, Open Water	1.5	25.0	2979.2	Richland	Private
Pipeline Facility	EWS_228_d	51.6	Agriculture	3.2	112.6	2539.9	Richland	Private
Pipeline Facility	EWS_228_e	51.6	Agriculture, Open Water	1.7	35.0	2540.3	Richland	Private
Pipeline Facility	EWS_236	51.9	Agriculture	0.2	24.8	300.0	Richland	Private
Pipeline Facility	EWS_235	51.9	Agriculture	0.3	50.0	300.5	Richland	Private
Pipeline Facility	EWS_238	52.0	Agriculture	0.2	25.0	300.2	Richland	Private
Pipeline Facility	EWS_237	52.0	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_240	52.9	Agriculture, Developed	0.2	25.0	300.0	Richland	Private
Pipeline Facility	EWS_239	52.9	Agriculture, Developed	0.3	50.0	300.5	Richland	Private
Pipeline Facility	EWS_241	53.0	Agriculture, Developed	0.3	59.9	319.8	Richland	Private
Pipeline Facility	EWS_242	53.0	Agriculture, Developed	0.2	25.0	300.2	Richland	Private
Pipeline Facility	EWS_242_b	53.9	Agriculture	0.2	127.5	142.3	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_253	54.4	Agriculture	0.1	20.8	300.0	Richland	Private
Pipeline Facility	EWS_249	54.4	Agriculture	0.3	50.0	300.1	Richland	Private
Pipeline Facility	EWS_250	54.4	Agriculture, Developed	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_254	54.4	Agriculture	0.1	20.8	300.1	Richland	Private
Pipeline Facility	EWS_278	55.1	Agriculture, Developed	0.8	150.0	300.8	Richland	Private
Pipeline Facility	EWS_279	55.2	Agriculture	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_279_b	55.2	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_280	56.2	Agriculture, Developed	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_280_b	56.2	Agriculture, Developed	0.3	50.0	300.3	Richland	Private
Pipeline Facility	EWS_281	56.3	Agriculture, Developed	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_281_b	56.3	Agriculture, Developed	0.3	49.9	300.0	Richland	Private
Pipeline Facility	EWS_282_b	56.5	Agriculture	0.2	48.3	248.1	Richland	Private
Pipeline Facility	EWS_283	56.5	Agriculture, Developed	1.0	201.5	770.2	Richland	Private
Pipeline Facility	EWS_283_b	56.6	Agriculture	0.6	106.3	303.8	Richland	Private
Pipeline Facility	EWS_284_b	56.9	Agriculture, Developed	0.2	49.3	278.8	Richland	Private
Pipeline Facility	EWS_284	56.9	Agriculture, Developed	0.9	189.6	400.9	Richland	Private
Pipeline Facility	EWS_285_b	57.0	Agriculture	0.2	25.3	332.1	Richland	Private
Pipeline Facility	EWS_285	57.0	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_286	58.0	Agriculture	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_286_b	58.0	Agriculture	0.3	50.0	300.3	Richland	Private
Pipeline Facility	EWS_287	58.1	Agriculture, Developed	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_287_b	58.1	Agriculture, Developed	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_288	58.5	Agriculture	0.2	141.4	142.9	Richland	Private
Pipeline Facility	EWS_289	59.0	Agriculture, Developed	0.2	127.8	142.7	Richland	Private
Pipeline Facility	EWS_290	59.6	Agriculture, Developed	0.2	25.0	300.1	Richland	Private
Pipeline Facility	EWS_290_b	59.6	Agriculture, Developed	0.3	50.0	300.3	Richland	Private
Pipeline Facility	EWS_291	59.6	Agriculture	0.2	25.0	300.1	Richland	Private

APPENDIX 8A
Wahpeton Expansion Project
Additional Temporary Workspaces

Project Facility	Additional Temporary Workspaces	Milepost	Existing Land Uses	Area Affected by Construction (acres)	Width (feet)	Length (feet)	County	Land Owner
Pipeline Facility	EWS_291_b	59.6	Agriculture	0.3	50.0	300.0	Richland	Private
Pipeline Facility	EWS_274	60.0	Agriculture, Developed, Open Water	0.2	40.3	291.0	Richland	Private
Pipeline Facility	EWS_273	60.1	Agriculture, Developed, Open Water	0.7	125.9	519.7	Richland	Private
Pipeline Facility	EWS_276	60.2	Agriculture	0.9	183.3	531.0	Richland	Private
Pipeline Facility	EWS_275	60.2	Agriculture, Open Water	0.2	32.0	329.3	Richland	Private
Aboveground Facility	EWS_277	60.6	Agriculture, Developed, Open Water	2.4	365.1	516.0	Richland	Private

Attachment 6

Revised Table 3.5-2

TABLE 3.5-2

Wahpeton Expansion Project
Vegetation Types Affected by Construction and Operation of the Project (acres)^{a, b}

	Agricultural Land ^c		Open Land (Non-Native Grassland) ^d		Forested Land ^e		Wetlands ^f		Total	
	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.
Facility Workspace										
Pipeline Facilities										
Wahpeton Expansion Pipeline	514.3	343.9	8.4	5.7	0.7	0.6	9.8	7.1	533.2	357.3
Subtotal	514.3	343.9	8.4	5.7	0.7	0.6	9.8	7.1	533.2	357.3
ATWS	106.7	0.0	1.4	0.0	0.1	0.0	0.6	0.0	108.8	0.0
Subtotal	106.7	0.0	1.4	0.0	0.1	0.0	0.6	0.0	108.8	0.0
Aboveground Facilities										
MDU—Kindred Border Station	4.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.7
MDU—Wahpeton Border Station	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.7
Mapleton Compressor Station	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0
Subtotal	10.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	10.4	3.4
Contractor Yards										
Kost Yard	19.1	0.0	1.6	0.0	0.0	0.0	1.6	0.0	22.3	0.0
Kindred Yard	3.5	0.0	0.3	0.0	0.2	0.0	0.0	0.0	4.0	0.0
Comstock North Yard	20.7	0.0	0.0	0.0	0.0	0.0	<0.1	0.0	20.7	0.0
Comstock South Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wahpeton City Yard	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.1	0.0
Subtotal	71.4	0.0	1.9	0.0	0.2	0.0	1.7	0.0	75.2	0.0
Access Roads										
Access Roads	14.8	1.3	0.3	0.0	0.3	0.0	0.6	<0.1	16.0	1.3
Subtotal	14.8	1.3	0.3	0.0	0.3	0.0	0.6	<0.1	16.0	1.3
Valve Site^g										
Valve Site #2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1
Valve Site #4	0.4	0.1	0.0	0.0	0.0	0.0	<0.1	0.0	0.4	0.1
Valve Site #5	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1
Valve Site #6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
Subtotal	2.5	0.4	0.0	0.0	0.0	0.0	<0.1	0.0	2.5	0.4
Project Total	719.8	348.9	12.0	5.7	1.3	0.6	12.8	7.1	746.0	362.4

TABLE 3.5-2

**Wahpeton Expansion Project
Vegetation Types Affected by Construction and Operation of the Project (acres)^{a, b}**

Facility Workspace	Agricultural Land ^c		Open Land (Non-Native Grassland) ^d		Forested Land ^e		Wetlands ^f		Total	
	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.	Const.	Oper.
<p>^a The subtotals and totals in this table may not reflect the sum of the addends due to rounding.</p> <p>^b This table does not include vegetation types for developed land or open water, as there is no vegetation within these areas. This results in the totals in this table not matching other resource reports.</p> <p>^c Includes cultivated crops.</p> <p>^d Includes herbaceous uplands, scrub/shrub uplands, barren land, hayfields, and pastureland.</p> <p>^e Includes deciduous and mixed forested uplands.</p> <p>^f Includes emergent wetlands, scrub/shrub wetlands, and forested wetlands.</p> <p>^g Block valve setting #1 will be constructed and operated within the Mapleton Compressor Station site. Valve Settings #3 and #7 will be constructed and operated within the construction and operational footprints of the MDU—Kindred Border Station and the MDU—Wahpeton Border Station. The construction and operational acreages for these valve settings are included within the acreages for the Mapleton Compressor Station, the MDU—Kindred Border Station, and the MDU—Wahpeton Border Station. A pig launcher/receiver will be collocated at Valve Sites #1, #2, #5, and #7.</p> <p>Const. = construction; Oper. = operational</p>										

Attachment 7

Revised Table 2.2-2 and Alignment Sheets

TABLE 2.2-2

**Wahpeton Expansion Project
Waterbodies Crossed by the Project ^a**

MP	Unique ID	Waterbody Name ^b	North Dakota Water Quality Classification ^c	Flow Regime ^d	Crossing width (feet) ^e	Pipeline Crossing Method ^f
HUC 12 Watershed 090202050704						
1.2	scad001p	Maple River	Class II	PN	79	Bore
HUC 12 Watershed 090202050603						
3.9	scaa002e	Unnamed tributary to the Maple River	Class III	E	13	Bore
5.9	scaa003e	Roadside ditch	Class III	E	<10	Bore
HUC 12 Watershed 090202040605						
10.7	scab001e	Roadside ditch	Class III	E	<10	Bore
10.7	scae002i	Roadside ditch	Class III	I	<10	Bore
15.7	scae004e	Roadside ditch	Class III	E	<10	Bore
HUC 12 Watershed 090202040604						
19.7	scab005e	Roadside ditch	Class III	E	<10	Bore
23.3	scae003e	Roadside ditch	Class III	E	<10	Bore
HUC 12 Watershed 090201051005						
24.1	scab006p	Sheyenne River	Class IA	PN	42	Bore
HUC 12 Watershed 090201051005						
29.3	sria001e	Roadside ditch	Class III	E	<10	Bore
34.5	srie006i	Roadside ditch	Class III	I	<10	Open Cut
34.5	srie005i	Roadside ditch	Class III	I	<10	Open Cut
HUC 12 Watershed 090201051004						
39.9	sria002e	Unnamed ditch	Class III	E	<10	Bore
41.0	sric002p	Unnamed tributary to Wild Rice River	Class III	PN	23	Bore
HUC 12 Watershed 090201051001						
45.0	srid002p	Pitcairn Creek	Class III	PN	15	Bore
47.4	srid001e	Roadside ditch	Class III	E	<10	NA ^g
HUC 12 Watershed 090201050907						
50.9	srie004p	Antelope Creek	Class II	PN	27	Bore
HUC 12 Watershed 090201050805						
51.1	srid003p	Wild Rice River	Class II	PN	297	Bore
HUC 12 Watershed 090201050805						
58.0	srie001e	Roadside ditch	Class III	E	<10	Bore
Access Roads						
HUC 12 Watershed 090202040605						
8.8	scaa004e	Roadside ditch	Class III	E	<10	NA
HUC 12 Watershed 090201051005						
19.7	scab005e	Roadside ditch	Class III	E	<10	NA
HUC 12 Watershed 090201051005						
29.3	sria001e	Roadside ditch	Class III	E	<10	NA
HUC 12 Watershed 090201051001						
47.3	srid001e	Roadside ditch	Class III	E	<10	NA
Facilities						
Wahpeton City Yard						
HUC 12 Watershed 090201040401						
60.5	srie003e	Roadside ditch	Class III	E	<10	NA

TABLE 2.2-2

**Wahpeton Expansion Project
Waterbodies Crossed by the Project ^a**

a	Based on the data from Project field surveys to date, USGS mapping, National Hydrography Dataset data, the North Dakota State Water Commission's geographic information system data viewer, and review of aerial photographs.
b	Waterbody names are based on USGS topographic maps.
c	See section 2.2.2 below for category definitions (NDDEQ, 2020e). None of the Class III streams are specifically identified in the Stream Classifications Table located in Appendix I of the NDDEQ Standards of Quality for Waters of the State and are classified as Class III as a default based on specifications included in that appendix.
d	Based on field surveys, National Hydrography Dataset designations, and/or aerial photography interpretation for unmapped streams: PN = Perennial E = Ephemeral NA = Not applicable (USACE, 2012).
e	Approximate width based on field surveys and/or estimated from aerial photography. Where National Hydrography Dataset data have been used to supplement areas where surveys are not complete an assumed less than 10-foot-wide has been used for all intermittent National Hydrography Dataset features.
f	Refer to Resource Report 1, section 1.3.2.1, for detailed descriptions of each crossing method.
g	Waterbody in workspace, but not crossed by centerline.

Attachment 8

Revised Appendix 1I and Figures 1.10-1 and 1.10-2

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
Meridian Grove 2nd Addition	Residential	Verity Homes plans to expand the Meridian Grove 2nd Addition Project subdivision project.	Under construction	Under construction/ Unknown	Cass	1.0 mile south of MP 1.4	0	WW, WF, VG, SO	Mapleton, North Dakota, 2021
Asmoor Glen	Residential	Beyond Reality plans to expand the Asmoor Glen subdivision along the Maple River Golf Course.	Under construction	Under construction/ Unknown	Cass	1.2 miles south of MP 1.3	0	WW, WF, VG, SO	Mapleton, North Dakota, 2021
Flickertail Solar Project	Energy	Savion is developing a 350-megawatt solar project that will provide power to approximately 100,000 homes near Colfax, North Dakota. The project will take place on a 3,000-acre site in an upside down horseshoe shape to the east, north, and west of the city of Colfax, North Dakota. Construction of the project is expected to last 9 months and is expected to create hundreds of jobs during construction and 2 to 3 permanent jobs once construction is complete. The project will also create tax benefits for Richland County.	Permit obtained	2022/2024	Richland	Likely 0.8 mile south of MP 39.7 (Exact location unknown)	0	WW, WF, VG, SO	Wahpeton Daily News, 2020
Harmony Solar Project	Energy	National Grid Renewables (formerly Geronimo Energy) is planning to spend \$320 million on the Harmony Solar Project, a 200-megawatt system located near Fargo in Harmony Township. State and local officials approved the project in 2019; however, the project has not started construction as of October 2021.	Permit obtained	Unknown/ Unknown	Cass	2.8 miles north of MP 0.3	0	SO	Grand Forks Herald, 2018

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
NuStar Pipeline Operating Partnership Pipeline Relocation Project	Energy	NuStar Pipeline Operating Partnership L.P. (NuStar) is proposing to relocate the portion of NuStar's existing North System Pipeline that will be impacted by construction of the Fargo-Moorhead Diversion Channel. The project will involve installation of approximately 2.21 miles of 10-inch inside diameter steel pipeline.	Permit obtained	Unknown (but prior to the Fargo-Moorhead Diversion Channel construction in the region)/ Unknown	Cass	0.2 miles east of MP 6.1	0	WW, VG, WF, SO, LU, RS, AQ-con	North Dakota Public Service Commission, 2020
MDU Distribution System for Kindred	Energy	MDU will build a new nonjurisdictional distribution system to provide natural gas to industrial and residential customers in Kindred that want to convert from propane to natural gas service.	Planned	2024/ 2024 after construction of the Wahpeton Expansion Project	Cass and Richland	Will connect with the Wahpeton Expansion Project facilities at the MDU-Kindred Border Station and extend west to customers in Kindred	1.0	WW, VG, WF, CR, SO, GS, LU, RS, N-con, AQ-con	Applicant
MDU Distribution System for Wahpeton	Energy	MDU will build an incremental nonjurisdictional distribution line to connect the new MDU—Wahpeton Border Station to customers in Wahpeton.	Planned	2024/ 2024 after construction of the Wahpeton Expansion Project	Cass and Richland	Will connect with the Wahpeton Expansion Project facilities at the MDU-Wahpeton Border Station and extend east to customers in Wahpeton	1.0	WW, VG, WF, CR, SO, GS, LU, RS, N-con, AQ-con	Applicant

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
MDU Distribution - Farm Tap Service	Energy	If WBI Energy builds farm taps off the mainline, MDU could run nonjurisdictional service lines to potential landowners for grain dryers, workshops, and residences. The number and type of service has still not been determined.	Unknown	Unknown (likely 2024)/ Unknown; likely 2024 after construction of the Wahpeton Expansion Project	Cass and Richland	Facilities would connect to as yet to be determined farm taps along Wahpeton Expansion Project right-of-way	1.0, various locations	WW, VG, WF, CR, SO, GS, LU, RS, N-con, AQ-con	Applicant
Fargo-Moorhead Area Diversion Project	Utilities (Non Energy)	This USACE Flood Risk Management Project is a 20,000-cubic foot per second diversion channel in North Dakota with upstream staging. This project includes a southern embankment, river control structures on the Wild Rice and Red Rivers, and diversion channels into the Red, Rush, and Lower Rush River Inlets.	Under construction	2017/ 2025	Cass and Richland	At its closest point 1.3 miles east of MP 5.2	0	WW, WF, VG, SO	Metro Flood Diversion Authority. 2021
Power lines	Utilities (Non Energy)	Power lines will need to be built to serve the nonjurisdictional facilities.	Planned	2024/ 2024 after construction the Wahpeton Expansion Project	Cass and Richland	Unknown but a portion of the power lines could be adjacent to the proposed MDU— Kindred and MDU— Wahpeton border stations	<0.5	WW, VG, WF, CR, SO, GS, LU, RS, VSN-con, AQ-con	Applicant

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
Kindred/Davenport Regional Airport (i.e., Robert Odegaard Field Airport) Runway Expansion	Transportation	The Kindred Airport has plans to expand the runway and departure surface to cross 53rd Street and 166th street.	Expansion plans have been developed	First expansion - 2027; Future expansion – unknown/ First expansion - 2029; Future expansion - Unknown	Cass	0.4 miles west of MP 23.3	0	WW, VG, WF, SO, LU, RS, VS, N-con	Applicant
Ongoing agricultural Activity	Other	The majority of lands crossed by the project are existing agricultural fields. The agricultural activity is expected to continue in this area for the life of the project.	Past, present, future	Not Applicable/ Ongoing	Cass and Richland	Entire Project	702.2	WW, VG, WF, CR, SO, GS, LU, RS, VS, N-op, N-con, AQ-con	N/A
New unnamed pipeline	Energy	The North Dakota Legislature approved \$150 million appropriation from federal pandemic relief funds to support construction of a major natural gas pipeline project to capture gas from western North Dakota and transport it to eastern North Dakota. The additional natural gas takeaway capacity is needed soon or oil producers will be forced to constrain production to avoid flaring the associated natural gas.	Unknown	Unknown/ Unknown	Cass (and many other counties)	Information Not Available	0	SO	Western Dakota Energy Association, 2021
North Dakota Department of Transportation (NDDOT) 1	Transportation	NDDOT structure repair project on I-29 southbound bridge at the Wild Rice River.	Complete	April 2021/ July 2021	Cass	7.5 miles east of MP 18.1	0	SO	NDDOT, 2021a

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
NDDOT 2	Transportation	NDDOT project including spall repair, joint repair, Concrete Pavement Repair, and deck repair on I-94, 9th St, 45th St, and I-29 interchange.	Complete	2021/ 2021	Cass	6.2 miles east of MP 10.7	0	SO	NDDOT, 2021a
NDDOT 3	Transportation	NDDOT project including grading, Plain Cement Concrete, bridge, and bike path work on 64th Ave S and 38th St S to 33rd St S in Fargo.	Under construction	Spring 2021/ Fall 2022	Cass	7.1 miles east of MP 12.1	0	SO	NDDOT, 2021a
NDDOT 4	Transportation	NDDOT paving on I-29, Northbound, 3.8 miles south of Grandin to 1.2 miles north of ND 200.	Unable to confirm construction schedule.	Unknown/ Unknown	Cass	19.3 miles north of MP 0	0	SO	NDDOT, 2021a
NDDOT 5	Transportation	NDDOT project involving mill and overlay on Hwy 38 from JCT I-94 North to Page.	Upcoming; went to bid in December 2021	2022/ 2022	Cass	23.4 miles west of MP 0.4	0	SO	NDDOT, 2021a
NDDOT 6	Transportation	NDDOT project involving intersection turn lane improvements on I-29 /38th St. Intersection.	Complete	May 2021 October 2021	Cass	7.0 miles east of MP 10.8	0	SO	NDDOT, 2021a
NDDOT 7	Transportation	NDDOT Concrete Pavement Repair on I-29 from Main Ave to Co 20 north and southbound lanes.	Complete	2021/ 2021	Cass	7.8 miles east of MP 5.2	0	SO	NDDOT, 2021a
NDDOT 8	Transportation	NDDOT chip seal on I-29 near South Dakota border (SD line to RP 11, 11.3 Miles).	Bid opens February 2022	2022/ Unknown	Richland	23.3 miles south of MP 60.5	0	SO	NDDOT, 2021a
NDDOT 9	Transportation	NDDOT construction of the I-94 Raymond Interchange.	Complete	July 2021/ September 2021	Cass	0.0 miles Intersects the project workspace at MP 6.0	0.25	WW, VG, WF, CR, SO, GS, LU, RS, N-op, N-con, AQ-con	NDDOT, 2021a

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
NDDOT 10	Transportation	NDDOT project involving mill and overlay on Highway 10 Junction 18 Casselton to Mapleton.	Complete	2020/ Unknown	Cass	Crosses the project at MP 0.7	1.0	WW, VG, WF, CR, SO, GS, LU, RS, VS, N-con, AQ-con	NDDOT, 2021a
NDDOT 11	Transportation	NDDOT deck overlay on 12th Avenue North in Fargo.	Complete	2020/ August 2020	Cass	7.3 miles east of MP 5.1	0	SO	NDDOT, 2021a
NDDOT 12	Transportation	NDDOT concrete median barrier on I-29 south of 17th Avenue South in Fargo.	Complete	June 2020/ October 2020	Cass	7.2 miles east of MP 10.7	0	SO	NDDOT, 2021a
NDDOT 13	Transportation	NDDOT deck Overlay on the Wild Rice River structure at RP 14.58 North Bound Roadway, Deck Replacement Exit 15 (Great Bend Interchange), and Deck Overlay on the BNSF Separation (RP 33.013) South Bound Roadway.	Complete	2020/ 2020	Richland	7.6 miles east of MP 18.1	0	SO	NDDOT, 2021a
NDDOT 14	Transportation	NDDOT Concrete pavement repair and chip sealing on ND 13 from I-29 to Wahpeton.	Complete	2020/ 2020	Richland	4.4 miles south of MP 60.5	0	WW, VG, WF, SO, LU, RS	NDDOT, 2021b
NDDOT 15	Transportation	NDDOT Project on Highway 13 E, Junction 13E to Junction 127 thin overlay.	Upcoming	2022/ Unknown	Richland	4.4 miles south of MP 60.5	0	WW, VG, WF, SO, LU, RS	NDDOT, 2021b
NDDOT 16	Transportation	NDDOT project on Highway 18N, 0.8 mile of curb ramps from 7th Street to 3rd Street in Casselton.	Upcoming	2022/ Unknown	Cass	7.1 miles west of MP 1.0	0	SO	NDDOT, 2021b
NDDOT 17	Transportation	NDDOT project on Hwy 29 12.6 miles Major Rehabilitation, Hunter to Near Blanchard.	Upcoming	2022/ Unknown	Cass, Traill	20.9 miles northwest of MP 0.3	0	SO	NDDOT 2021b
NDDOT 18	Transportation	NDDOT project involving about 8 miles of preventative maintenance on Highway 94 between west of Wheatland to east of Casselton.	Upcoming	2022/ Unknown	Cass	4.8 miles southwest of MP 1.0	0	SO	NDDOT, 2021b

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
NDDOT 19	Transportation	NDDOT project involving 10.9 miles of preventative maintenance on Highway 94 between East Casselton to near West Fargo.	Under construction	April 2022/ August 2022	Cass	Crosses the project at MP 5.9	1.0	WW, VG, WF, CR, SO, GS, LU, RS, N-con, AQ-con	NDDOT, 2021b
NDDOT 20	Transportation	NDDOT project involving 2.9 miles of minor road rehabilitation on Highway 210 from Highway 13 to Red River.	Upcoming	2022/ Unknown	Richland	3.1 miles southeast of MP 60.5	0	WW, VG, WF, SO, LU, RS	NDDOT, 2021b
NDDOT 21	Transportation	NDDOT Bridge Repair, Highway 11, East of Fairmount.	Upcoming	2022/ Unknown	Richland	19.6 miles south of MP 60.5	0	SO	NDDOT, 2021b
NDDOT 22	Transportation	NDDOT project involving 11.3 miles minor rehabilitation on I 29, state line to Junction 13.	Upcoming	2022/ Unknown	Richland	9.2 miles southwest of MP 57.5	0	SO	NDDOT, 2021b
NDDOT 23	Transportation	NDDOT project involving 10.9 miles of structural overlay work on I-29 north of junction with Hwy 13.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	0.5 miles west of MP 46.5	0	WW, VG, WF, SO, LU, RS, N-op, N-con, AQ-con	NDDOT, 2021b
NDDOT 24	Transportation	NDDOT project involving I-94 Road improvements from I-29 to 25th Street interchange.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	7.3 miles east of MP 10.7	0	SO	NDDOT, 2021b
NDDOT 25	Transportation	NDDOT project involving 2.9 miles of Road Improvements on East Wahpeton Bypass, Highway 210.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	3.1 miles southeast of MP 60.5	0	WW, VG, WF, SO, LU, RS	NDDOT, 2021b
NDDOT 26	Transportation	NDDOT project involving 2.7 miles of County Road 10 Improvements, Lynchburg Interstate to ND 18 S Casselton.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	7.5 miles west of MP 0.8	0	SO	NDDOT, 2021b

APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

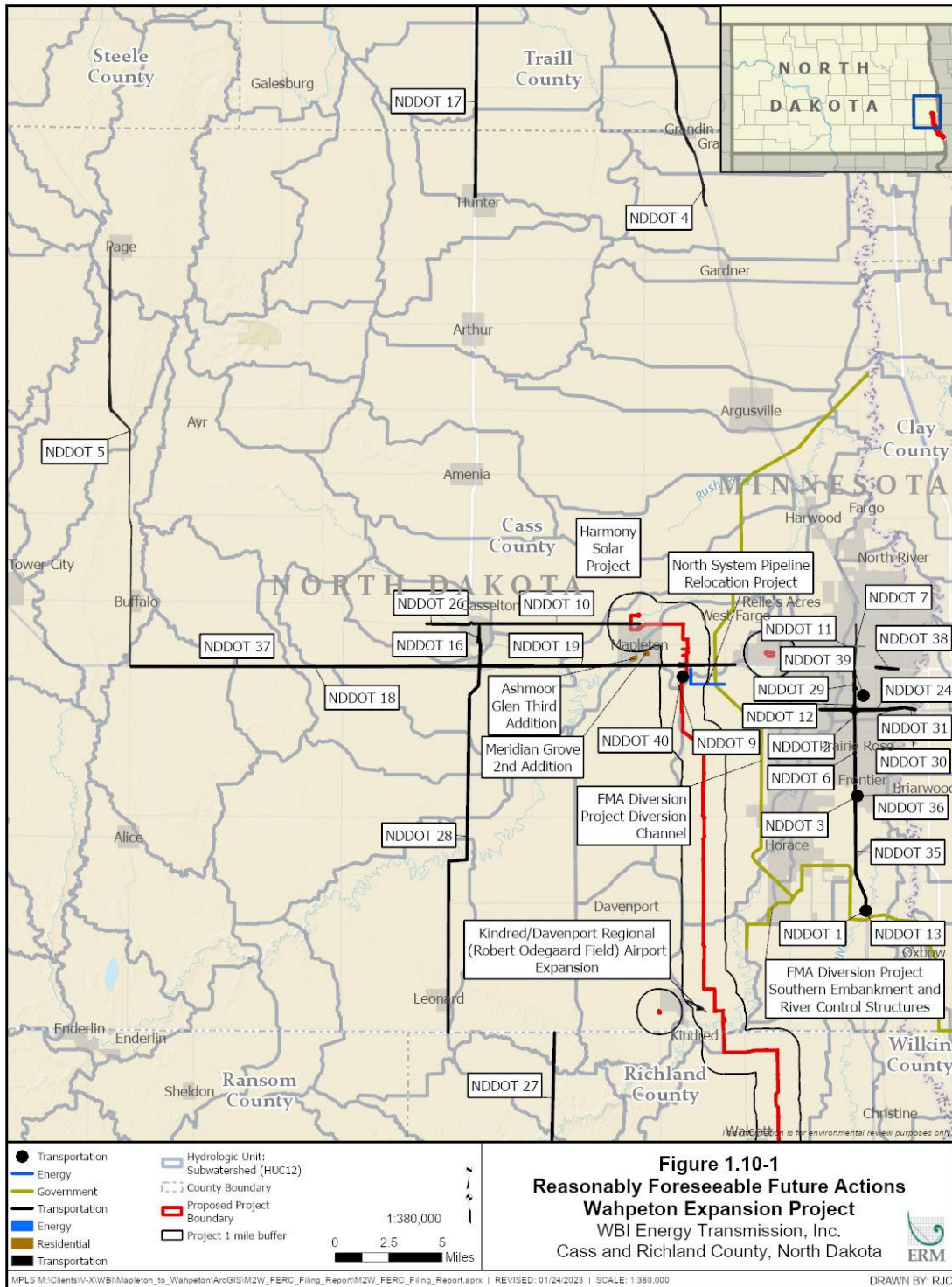
Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
NDDOT 27	Transportation	NDDOT project involving 25.0 miles of thin overlay (preventative maintenance) on I-18 N.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	7.3 miles west of MP 21.8	0	SO	NDDOT, 2021b
NDDOT 28	Transportation	NDDOT project involving 19.2 miles of preventative maintenance on I-18 N from Junction 46 to Casselton.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	7.0 miles west of MP 1.0	0	SO	NDDOT, 2021b
NDDOT 29	Transportation	NDDOT project involving I-29 NE Ramp preventative maintenance at 13th Avenue NE Ramp.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	7.7 miles northeast of MP 10.7	0	SO	NDDOT, 2021b
NDDOT 30	Transportation	NDDOT project involving 4.9 miles I-94 Road Repairs 1 mile west of 45th to Red River.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	5.8 miles northeast of MP 10.7	0	SO	NDDOT, 2021b
NDDOT 31	Transportation	NDDOT project involving 1.9 miles of lift station and storm sewer repairs on I-94, 25th Street to Red River.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	8.3 miles east of MP 10.7	0	SO	NDDOT, 2021b
NDDOT 32	Transportation	NDDOT project involving 12.7 miles of preventative maintenance on I-11 from Ligerwood to Hankinson.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	21.7 miles southwest of MP 60.5	0	SO	NDDOT, 2021b
NDDOT 33	Transportation	NDDOT project involving 3.5 miles of preventative maintenance on I-11 from Hankinson to I-29.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	21.0 miles south of MP 60.5	0	SO	NDDOT, 2021b
NDDOT 34	Transportation	NDDOT project involving 13.0 miles of preventative maintenance on I-11 from I-29 to State Line.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Richland	19.1 miles south of MP 60.5	0	SO	NDDOT, 2021b

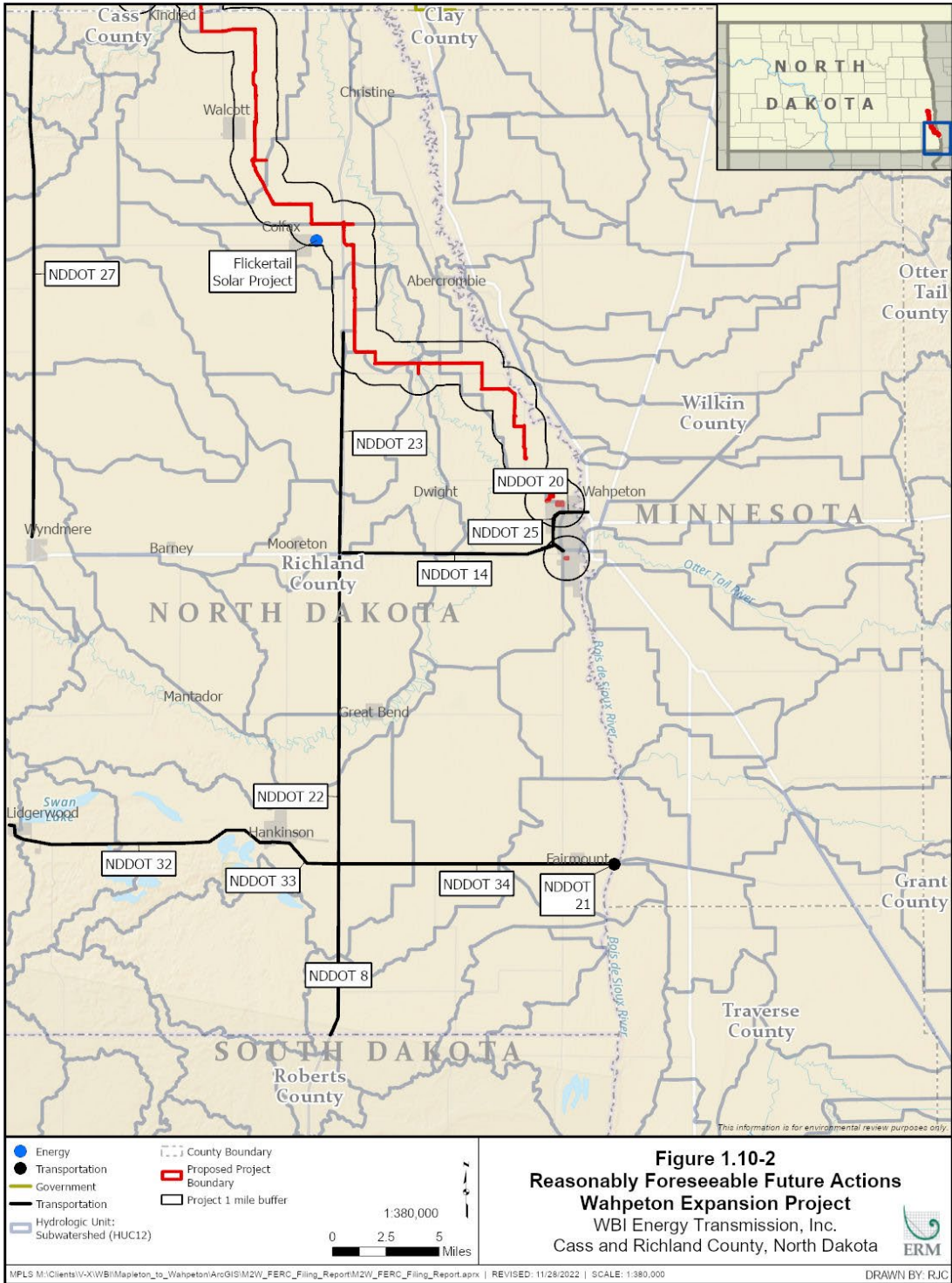
APPENDIX 11
Wahpeton Expansion Project
Past, Present, and Reasonably Foreseeable Future Projects Evaluated for Potential Cumulative Impacts with the Wahpeton Expansion Project ^a

Project Name	Category	Project Description	Status	Construction /Operation Commences	County(ies)	Location relative to Project	Approximate Acres of Overlap	Resources with Potential for Cumulative Impacts	Citation
NDDOT 35	Transportation	NDDOT project involving 12.1 miles of preventative maintenance on I-29 from Wild Rice River to N Main.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	7.1 miles east of MP 10.8	0	SO	NDDOT, 2021b
NDDOT 36	Transportation	NDDOT project involving Ramp Revisions on I-29 64th Avenue South Interchange.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	7.2 miles east of MP 12.1	0	SO	NDDOT, 2021b
NDDOT 37	Transportation	NDDOT project involving 9.0 miles of preventative maintenance on I-94 from E Buffalo to Wheatland.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	13.6 miles west of MP 1	0	SO	NDDOT, 2021b
NDDOT 38	Transportation	NDDOT project involving 1.0 mile of Road Reconstruction, Main Avenue from University to 25th Street.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	8.8 miles east of MP 5.2	0	SO	NDDOT, 2021b
NDDOT 39	Transportation	NDDOT project involving ongoing road and bridge maintenance in West Fargo and Fargo.	Upcoming	Between 2023 and 2025/ Between 2023 and 2025	Cass	7.9 miles northeast of MP 10.7	0	SO	NDDOT, 2021b
NDDOT 40	Transportation	Cass County Highway 15 Replacement and Improvement Project involving bridge Replacement & Incidentals between sections 8/9 Mapleton Township on Cass County Highway 15 between Section 8 and 9.	Upcoming	April 2022– July 2022/ August 2022	Cass	75 feet southeast of MP 6.6	0	SO	Cass County 2022

AQ-con = air quality (construction); AQ-op = air quality (operations); CR = cultural resources; GS = geology and soils; LU = land use; N/A = Not available; N-con = noise (construction); N-op = noise (operation); RS = recreation and special interest areas; SO = socioeconomics; TE = threatened and endangered species; VG = vegetation; VS = visual resources; WF = wildlife, fish; WW = wetlands, water resources

^a A description of the geographic scope of the analysis for each resource is provided in table 1.10-1 of Resource Report 1.





Attachment 9

North Dakota SHPO Correspondence



January 17, 2023

Dr. Kevin Malloy
Environmental Resources Management
222 South 9th Street
Suite 2900
Minneapolis, MN 55402

ND SHPO Ref: 21-6245 “Class III Archaeological Inventory Survey Report: WBI Energy Transmission, Inc. Wahpeton Expansion Project, Cass and Richland Counties, North Dakota” & “Class III Historic Architectural Survey: WBI Energy Transmission, Inc. Wahpeton Expansion Project, Cass and Richland Counties, North Dakota”

Dear Kevin

We received ND SHPO Ref: 21-6245 “Class III Archaeological Inventory Survey Report: WBI Energy Transmission, Inc. Wahpeton Expansion Project, Cass and Richland Counties, North Dakota” & “Class III Historic Architectural Survey: WBI Energy Transmission, Inc. Wahpeton Expansion Project, Cass and Richland Counties, North Dakota” and find these reports by Kevin Malloy, Ph.D, Jeffrey Holland, Steve Treloar, Larissa Thomas Ph.D., William Stanyard, Emily Dodson, Jeffrey Holland, & Mary Beth Derrick acceptable. We will add them to our Manuscript Collection. We will await the deep testing report and monitoring plan before offering concurrence.

Thank you for the opportunity to review this report. Please be advised that acceptance of this report does not constitute concurrence with the determinations therein. If you have any questions, please contact either Andrew Clark at (701) 328-3574 or andrewclark@nd.gov or Lisa Steckler at (701) 328-3577 or lsteckler@nd.gov.

Sincerely,

for William D. Peterson, PhD
State Historic Preservation Officer
(North Dakota)

21-6245