



Superior Region Control Point Maps Record-
Refer to Regional Control Point
Map Books

<u>LINES 1-4, 13 & 65</u>	
Area Overview	(2 Maps)
Pembina River	MP 775.57 (2 Maps)
Tongue River Cutoff & Tributaries	MP 781.44 – MP 786.16
Red River Of The North	MP 801.73
Red Lake River	MP 864.31
Clearwater River	MP 875.34
Lost River	MP 903.96
<u>LINES 1-4</u>	
Area Overview	(2 Maps)
Clearwater River	MP 922.44 (2 Maps)
Grant Creek	MP 927.34 – MP 933.66
Mississippi River	MP 939.72 (2 Maps)
Necktie River	MP 945.32 (LINES 1-3) & MP 947.13 (LINE 4)
Cass Lake	MP 956
Six Mile Lake Tributary Ditch	MP 975.05
Bear Brook Creek Tributary	MP 980.83
Mississippi River	MP 985.97 (2 Maps)
Ball Club River	MP 989.43 (2 Maps)
Deer River	MP 994.88 (2 Maps)
Bass Brook (Blackwater Creek)	MP 1004.21
Prairie River	MP 1011.00 (2 Maps)
Swan River	MP 1024.23
Floodwood Station Ditch	MP 1044.33 (2 Maps)
East Savanna River	MP 1046.04 (3 Maps)
Stoney Brook & Ditch	MP 1062.46 & MP 1062.48
Little Otter Creek	MP 1074.28
Little Pokegama	MP 1090.00
Pokegama River	MP 1094.42 (2 Maps)



LINE 5	
Area Overview	(8 Maps)
Nemadji River	MP 1098.85
Bluff Creek	MP 1100.66 (2 Maps)
Bear Creek	MP 1101.57 (2 Maps)
Dutchman Creek	MP 1104.29 (2 Maps)
Morrison Creek	MP 1105.28
Amnicon River	MP 1107.07 (2 Maps)
Bois Brule River	MP 1121.45 (2 Maps)
Iron River (WI)	MP 1129.89 (3 Maps)
North Fish Creek	MP 1150.20
South Fish Creek	MP 1152.60
Bay City Creek	MP 1156.55
Beartrap Creek	MP 1160.41
White River	MP 1162.76
Bad River	MP 1165.00
Denomie Creek	MP 1171.54
Spoon Creek	MP 1177.47 &
Spoon Creek Tributary	MP 1177.59 (2 Maps)
Montreal River	MP 1189.32 (3 Maps)
Welch Creek	MP 1191.00 (2 Maps)
Siemens Creek	MP 1193.50 (3 Maps)
Kallander Creek	MP 1197.18 (2 Maps)
Black River	MP 1199.97 (2 Maps)
Planter Creek	MP 1202.82 (2 Maps)
Presque Isle River	MP 1217.26 (4 Maps)
Pelton Creek	MP 1222.51
Slate River	MP 1223.79
Cisco Branch Ontonagon River	MP 1232.32 (2 Maps)
Middle Branch Ontonagon River	MP 1237.60 (2 Maps)
Duck Creek	MP 1244.40
Cooks Run	MP 1260.15 (2 Maps)
South Branch Iron River	MP 1268.32
Nash Creek	MP 1269.84



<u>LINE 5 cont.</u>	
Iron River	MP 1271.65 (2 Maps)
Iron Lake Creek	MP 1271.94 (2 Maps)
Briar Hill Creek	MP 1284.98
Paint River	MP 1290.20 (2 Maps)
Michigamme River	MP 1294.77 (2 Maps)
Parks Creek	MP 1297.09
Ford River	MP 1315.64 (2 Maps)
Escanaba River Tributary	MP 1337.20 (2 Maps)
Escanaba River	MP 1341.55 (2 Maps)
Tacoosh River	MP 1352.54
Rapid River	MP 1356.87
Whitefish River	MP 1358.16
Indian River	MP 1393.57
Manistique River	MP 1394.31
Lower Millecoquins River	MP 1433.95 (2 Maps)
West Mile Creek	MP 1436.18
East Mile Creek	MP 1436.92
Black River	MP 1439.36
Davenport Creek	MP 1444.60
Cut River	MP 1452.56
Brevoort River	MP 1464.45
Straits Of Mackinac	MP 1477.48
Indian River	MP 1507.78 (2 Maps)
<u>LINES 6A, 13, 14 & 61</u>	
Area Overview	(2 Maps)
Nemadji River	MP 1.58
St. Croix River	MP 33.13
Totogatic River	MP 40.53
Namekagon River	MP 53.78 (2 Maps)
Sand Creek	MP 65.52
Summit Creek	MP 70.5 (3 Maps)

Region Security Plan

Superior Region Security Response Plan

Purpose

The security procedures in this tab are specific to Superior Region. For information applicable to all sites at all times, see Book 7: Emergency Response, 01-02-04, General Site Security Standards, 03-02-05, Security Threat Condition Levels and 03-02-08, Bomb and Security Threats. For contact lists, see the Superior Region Emergency Response Directory.

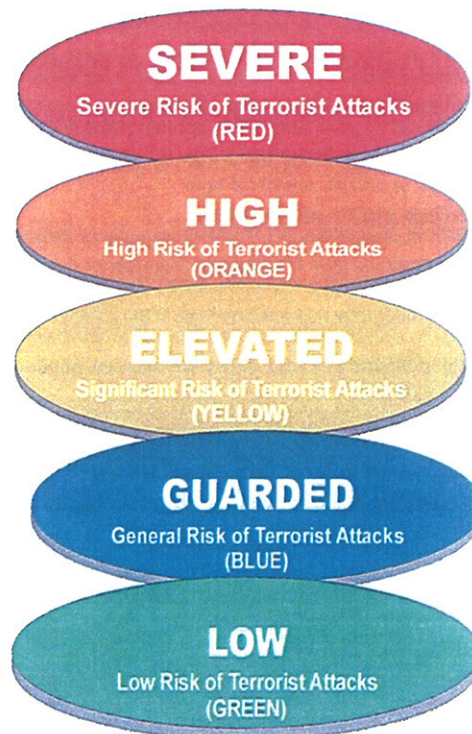
In accordance with pipeline security guidance provided by the Pipeline and Hazardous Materials Safety Administration (PHMSA), the following two locations in Superior Region have been identified as "critical facilities".

Superior (WI) Terminal
Clearbrook (MN) Terminal

All other locations within Superior Region do not meet the PHMSA/OPS thresholds for being designated critical. Accordingly this document is divided into two sections. The first section outlines security measures to be taken within Superior Region at its critical facilities. The second section outlines security measures to be taken at all other facilities within Superior Region.

All information in the Superior Region Security Response Plan must be reviewed annually.

Threat Condition Levels



Superior Region Security Response Plan

Level	Critical Facilities: Clearbrook/Superior Terminals
Low (Green)	<u>Signage</u> Post signs at the main gate directing visitors to the check-in location and to designated parking areas. Post "No Trespassing" signs every 100 – 150 ft along the perimeter fencing and at each gate.
	<u>Access Control</u> Electric gates will serve as access control. • Employees will use scan cards that will record time, date, and access card number at the time of entering. • Visitors will use speaker phone to gain access. On site employees will ensure that the visitor: • Has a legitimate business purpose for being at the facility (verify with intended on-site company personal that a visitor is expected). • Shows a photo ID if visitor is unknown. If no ID is available, confirm identity of visitor with on-site personnel. • Is aware of site specific safety information. Area site supervisors or designates must be aware of the whereabouts of contractors working at the facility at all times.
	<u>Vehicle Control</u> Vehicles must be parked in areas designated by signage.
	<u>Fences/Gates</u> The perimeter of the facility must be fenced. Gates must be locked or secured in the closed position at all times. The integrity of fences and gates must be maintained at all times. All stations under construction will maintain proper fencing at the height of existing fence. Vegetation growth must be controlled on the interior and exterior of the fencing to the extent possible (e.g. Non-company property).
	<u>Keys and Padlocks</u> Spare keys and padlocks must be stored in a locked box maintained by the Supervisor or designate. All spare keys must be signed in/out with the Supervisor or designate using a log sheet kept with the locked box. All staff will be issued one key and spares will be controlled with a sign-out sheet maintained by the Supervisor or designate. Only the Region Manager has the authority to acquire additional keys. Contractors may be issued keys only with approval from the Regional Manager or designate. The Region Accountant is responsible for distributing and tracking keys in the Region. Supervisor or designates are responsible to ensure any keys issued are returned when an employee is transferred or leaves the company or when a contractor completes their work.
	<u>Lighting</u> Building and perimeter lighting must be functional at all times, with perimeter lighting directed toward the fence line.
	<u>Cameras and Alarms</u> Cameras installed at the four locations within the Superior Terminal and the main gate at the Clearbrook Terminal must be adequately maintained.

Superior Region Security Response Plan

Level	Critical Facilities: Clearbrook/Superior Terminals	
	<u>Monitoring</u> Employee will make rounds, which includes driving the perimeter of the terminal and checking within pump rooms, at least twice per shift. Quarterly site security inspections must be completed using the Safety Inspection form (for more information, see Book 2: Safety, 01-03-01, Completing Safety Inspections).	
	<u>Employee Awareness</u> Unless they are of immediate concern, security issues should be identified and documented at local monthly EH&S meetings. Items of immediate concern should be brought to Management's immediate attention. Safety coordinators are responsible to ensure all company security standards and procedures are reviewed annually with employees. Employees must be aware of vehicles frequently driving by or parking along roadways adjacent to company facilities, including: • Clearbrook: County Road # 49 and township road north of station. • Superior: Bardon Avenue, East 21st Street, and 31st Avenue. Secure sensitive company information (e.g., route sheets, employee information) in locked filing cabinets, desk drawers or office outside regular working hours. Shred discarded sensitive company information	
	<u>Communications</u> Test and maintain communication systems (e.g., cellular phones, radio systems) as part of emergency response exercises (see Book 7: Emergency Response, 01-02-01, Training and Exercises). As part of public awareness, provide security awareness information to landowners along the right-of-way and to emergency response organizations.	
	Guarded (Blue)	All of above: Regional Manager is responsible to notify areas when the threat level changes.
	Elevated (Yellow)	All of above, PLUS: <u>Access Control</u> Tours of the facilities must be approved by the General Manager. Unknown visitors must be escorted by an employee at all time.
	<u>Monitoring</u> Employees will make rounds, which include driving the perimeter of the terminal and checking within pump rooms, at least three times per shift. Employees must perform undocumented weekly inspections of buildings (including those that are not regularly used); storage areas, tanks and perimeter fencing (alter days and times).	
	<u>Communications</u> Area site supervisors or designates are responsible to establish contact with local law enforcement to discuss changes in threat condition levels, company security standards and procedures, sharing of resources, and to provide quarterly updates. Consider arranging site visits.	
	<u>Employee Awareness</u> Area site supervisors or designates are responsible to immediately notify employees when threat condition levels change (e.g., emails, bulletin board), and review all company security standards and procedures pertaining to the new threat level. In addition, safety coordinators are responsible to ensure all company security standards and procedures are reviewed quarterly with employees.	

Superior Region Security Response Plan

Level	Critical Facilities: Clearbrook/Superior Terminals
High (Orange)	<u>All of above, PLUS:</u> <u>Access Control</u> Upon entry into the facility, security must ensure the visitor (including office employees visiting field locations) : • Signs in at the designated guard house • Records vehicle description/license number • Shows photo ID An outside security service will be utilized to man the front gates and be responsible for the preceding bullets. Restrict access through main gates only. At Superior, the guard house at the main gate will be used as a checkpoint. Visitors must be escorted within the terminal after initial check-in. At Clearbrook, a checkpoint will be established outside of the main gate. Visitors must be escorted within the terminal after initial check-in. During construction, contractor identities should be verified by inspector before entry. Request police to assist with securing access to the facility. For example, extra patrols on the following: • Clearbrook: County Road # 49 and township road north of station • Superior: Bardon Ave, East 21st St, and 31st Ave access to back gate Tours of the facilities will be postponed during Orange and Red Alert Levels.
	<u>Vehicle Control</u> Use a 24-hour security service to monitor and inspect all vehicles entering the main gate, including cargo areas, undercarriage, glove box and any area where dangerous items could be concealed. All vehicles will be routed through the main gate. All other perimeter gates will be shut down to traffic. Move vehicles to a central parking area away from equipment/buildings as specified by the site supervisor or designate (where possible, at least 30 yds from critical buildings, tanks and equipment).
	<u>Lighting</u> If necessary, install temporary lighting at all gates to ensure all areas are adequately lit.
	<u>Security Officers</u> PerMar Security will be used for outside security services for Superior Terminal. They can be reached at 1-715-297-1466 (Brian Thacker) or 1-715-848-4932 (Tami Artz). Professional and Trustworthy Security of Park Rapids, MN will be used for outside security services for Clearbrook Terminal. They are on retainer and can be reached at 1-866-887-8790. The contact is Dwight Patterson. Review site security standards and procedures with the security service weekly.
	<u>Monitoring</u> Employees must perform undocumented inspections of buildings (including those that are not regularly used), storage areas, and tank areas at least once per day. This is over and above normal rounds, which include driving the perimeter of the terminal and checking pump rooms, at least three times per shift. Monitor media (television, radio and internet) and company communications for status changes, additional instructions or information. Area site supervisors or designates are responsible to coordinate all employee travel (e.g., remote job sites). Maintain scheduled contact with employees at remote locations. Request police to increase the frequency of patrols.
	<u>Employee Awareness</u> Area site supervisors or designates are responsible to immediately notify employees when threat condition levels change (e.g., emails, bulletin board), and review all company security standards and procedures pertaining to the new threat level.

Superior Region Security Response Plan

Level	Critical Facilities: Clearbrook/Superior Terminals
High (Orange)	<u>Communication</u> Area site supervisors will keep an open line of communication with local law enforcement concerning our protective measures. <u>General</u> All security response activities must be logged. Review all contract maintenance and capital project work, and consider canceling or delaying non-essential work.
Severe (Red)	All of above, PLUS: <u>Access Control</u> Regional management must establish contact with ETN Crisis Management Center and ETN Incident Screening Committee in Edmonton. Prepare for shut down or evacuate facilities as identified or directed by senior management. Restrict access to area staff unless approved in advance by regional management. Assign employees 24 hours to assist with access control and monitoring the facility. All facility tours will be canceled. <u>Vehicle Control</u> Restrict vehicle access to employees and emergency vehicles only. <u>General</u> Lock doors at all times. Suspend all maintenance and capital project work involving contractors.

Superior Region Security Response Plan

Level	Non-Critical Facilities: Pump Stations, Remote Valve Sites, ROW, PLM Shops and Offices
Low (Green)	<u>Signage</u> Post signs identifying company emergency contact information on each side of the perimeter fencing.
	Post "No Trespassing" signs every 100 – 150 ft along the perimeter fencing and at the main gate.
	Along the right-of-way, post warning signs in accordance with Book 3: Pipeline Facilities, 03-02-03, Right-Of-Way Signs.
	<u>Access Control</u> Upon entry to the site, an employee must review site-specific safety information with visitors. This does not apply at shops and offices.
	For the Superior Office, outside regular working hours, the alarms at the main doors are monitored by Arrowhead Security. For the Bemidji Office, outside regular working hours, the alarms at the main doors are monitored by Bonded Lock and Alarm. The first/last employee to enter/leave the facility at the start/end of the day is responsible to enter the security code to enable the alarms.
	<u>Vehicle Control</u> Vehicles must be parked in designated areas.
	<u>Buildings/Gates/Fences/Mainline Valves</u> The perimeter of the facility must be fenced. Stations under construction will maintain proper fencing around station at the height of existing fence. This does not apply for Offices.
	Gates must be locked or secured in the closed position when facility is unattended.
	The integrity of fences and gates must be maintained at all times.
	Vegetation growth must be controlled on the exterior perimeter of the fencing.
	Buildings must be locked when employees are offsite.
	Mainline valves must be chained and locked at all times.
	<u>Keys and Padlocks</u> Spare keys and padlocks must be stored in a locked box maintained by the Supervisor or designate. All spare keys must be signed in/out with the Supervisor or designate using a log sheet kept with the locked box. All staff will be issued one key and spares will be controlled with a sign-out sheet maintained by the Supervisor or designate. Only the Region Manager has the authority to acquire additional keys. Contractors may be issued keys only with approval from the Regional Manager or designate. The Region Accountant is responsible for distributing and tracking keys in the Region. Supervisor or designates are responsible to ensure any keys issued are returned when an employee is transferred or leaves the company or when a contractor completes their work.
	<u>Lighting</u> Facility and perimeter lighting must be functional at all times, with perimeter lighting directed toward the fence line.
	<u>Monitoring</u> Quarterly site security inspections must be completed using the Safety Inspection form (for more information, see Book 2: Safety, 01-03-01, Completing Safety Inspections).
	<u>Employee Awareness</u> Unless they are of immediate concern, security issues should be identified and documented at each local EH&S monthly meeting. Items of immediate concern should be brought to management's immediate attention. Safety coordinators are responsible to ensure all company security standards and procedures are reviewed annually with employees. Secure sensitive company information (e.g., route sheets, employee information) in locked filing cabinets, desk drawers or office outside regular working hours. Shred discarded sensitive company information.

Superior Region Security Response Plan

Level	Non-Critical Facilities: Pump Stations, Remote Valve Sites, ROW, PLM Shops and Offices
Low (Green)	<u>Communications</u> Test and maintain communication systems (e.g., cellular phones, radio systems) as part of emergency response exercises (see Book 7: Emergency Response, 01-02-01, Training and Exercises).
Guarded (Blue)	<u>All of above:</u> Regional Manager is responsible to notify areas when the threat level changes.
Elevated (Yellow)	<u>All of above, PLUS:</u> <u>Access Control</u> Visitors must be checked in by an employee and escorted when possible. This does not apply to shops and offices. <u>Monitoring</u> Employees must complete weekly site inspections of manned and unmanned pump stations, including valves; buildings and perimeter fencing (alter days and times). <u>Employee Awareness</u> Area site supervisors or designates are responsible to immediately notify employees when threat condition levels change (e.g., emails, bulletin board), and review all company security standards and procedures. In addition, safety coordinators are responsible to ensure all company security standards and procedures are reviewed quarterly with employees.
High (Orange)	<u>All of above, PLUS:</u> <u>Access Control</u> No visitors or contractors are permitted without approval from the regional manager. This does not apply to offices and PLM shops. <u>Vehicle Control</u> Restrict vehicle access to employees and emergency vehicles only. No visitor or contractor vehicles are permitted without approval from the regional manager. This does not apply to offices and PLM shops. <u>Security Officers</u> Regional management must assess need for 24-hour security services on a site-specific basis. <u>Monitoring</u> Employees must complete site inspections of all manned and unmanned pump stations to include valves, buildings and perimeter fencing, at least twice per week. All valve sites, densitometers and other remote facilities will be inspected once per week. This includes all manual valves. Inspect for tampering and condition of locking devices. In consultation with Aviation and Operation Services, increase frequency of Aerial Patrols to weekly. Maintain scheduled contact with employee(s) at remote locations. Request police to increase the frequency of patrols.

Superior Region Security Response Plan

Level	Non-Critical Facilities: Pump Stations, Remote Valve Sites, ROW, PLM Shops and Offices
High (Orange)	<u>Employee Awareness</u> Area site supervisors or designates are responsible to immediately notify employees when threat condition levels change (e.g., emails, bulletin board), and review all company security standards and procedures.
	In addition, area site supervisors or designates are responsible to ensure all company security standards and procedures are reviewed weekly with employees.
	<u>Communications</u> Area site supervisors or designates will keep an open line of communication with local law enforcement concerning our protective measures.
	Advise landowners of security status and provide emergency contact information if unusual or suspicious activity is observed.
	<u>General</u> All security response activities must be logged. Review all contract maintenance and capital work, and consider canceling or delaying non-essential work.
Severe (Red)	All of above, PLUS:
	<u>Access Control</u> Regional management must establish contact with ETN Crisis Management Center and ETN Incident Screening Committee in Edmonton.
	Prepare for or shut down or evacuate facilities as identified or directed by senior management.
	Restrict access to area staff unless approved in advance by regional management.
	<u>Vehicle Control</u>
	Restrict vehicle access to employees and emergency vehicles only.
	<u>General</u>
	Lock doors at all times.
	Suspend all maintenance and capital work involving contractors.
	<u>Monitoring</u>
	Regarding Aerial Patrols, confirm with Aviation Department as no fly restrictions could apply.

Appendix

Appendix - Information Summary

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*Enbridge (U.S.) Inc.
Operator of the Enbridge Pipeline Systems
1100 Louisiana, Suite 3200
Houston, TX 77002-5216*

1. **OPERATOR IDENTIFICATION**

Enbridge (U.S.) Inc.
Operates the Enbridge Energy, Limited Partnership Pipeline System
1100 Louisiana, Suite 3200
Houston, TX 77002-5216
(713) 650-8900 (Phone Number)
(800) 858-5253 (24 hr. Emergency Number)
(713) 653-8711 (Fax)

2. **RESPONSE ZONE DESCRIPTION**

The Enbridge Liquids Pipeline System (Lakehead System) consists of four response zones. These response zones represent the regional boundaries designated in the normal operating structure. The response zones include:

- **Superior Region**
- Chicago Region
- Cushing Region
- Enbridge Pipelines North Dakota

Superior Region Response Zone (#866)

The Superior Region response zone begins at the Canadian border near Natchez, North Dakota and continues across northern Minnesota into Superior, Wisconsin. This section of response zone includes seven pipelines (Lines 1, 2, 3, 4, 13, 65, and 67) that transport crude oil, natural gas and diluent condensate. The response zone continues south of Superior to Ladysmith, WI with four pipelines (Lines 6A, 13, 14, and 61) transporting crude oil and diluent condensate. A 30-inch pipeline (Line 5) originates in Superior, WI that transports crude oil and natural gas liquids west across northern Wisconsin, the Upper Peninsula of Michigan and into lower Michigan. The Superior Region system is comprised in total of eleven pipelines:

- Approximately 2,838 miles of pipeline, with pipe diameters ranging from 18 to 48 inches;
- 29 Pump Stations are located along the pipes;
- The Superior System includes 44 tanks (35 Tanks at Superior; 9 at Clearbrook). Tanks located in Superior, WI have 7.5 million barrels storage capacity and Clearbrook, MN has 1.3 million barrels storage capacity.



Counties included in the Superior Region response zone are:

North Dakota	Minnesota	Wisconsin	Michigan
Pembina	Kittson	Douglas	Cheboygan
	Marshall	Bayfield	Delta
	Red Lake	Washburn	Dickinson
	Polk	Sawyer	Emmet
	Hubbard	Ashland	Gogebic
	Clearwater	Iron	Iron
	Beltrami	Rusk	Mackinac
	Cass		Marquette
	Itasca		Otsego
	Aitkin		Schoolcraft
	St. Louis		
	Carlton		



This response zone includes the following pipelines:

Line	Pipeline Sections	Begin Stationing	End Stationing	Miles	Pipeline Diameter	Product
1	Gretna, Manitoba to Clearbrook, MN	0	716,232	135.7	20"	Crude Oil & Natural Gas Liquids
1	Clearbrook, MN to Superior, WI	716,232	1,712,883	188.8	18"	Crude Oil & Natural Gas Liquids
2	Gretna, Manitoba to Superior, WI	0	1,712,887	324.4	26"	Crude Oil
3	Gretna, Manitoba to Superior, WI	0	1,712,887	324.4	34"	Crude Oil
4	Gretna, Manitoba to Donaldson, MN	0	168,408	31.9	36"	Crude Oil
4	Donaldson, MN to Viking, MN	168,041	213,109	8.5	48"	Crude Oil
4	Donaldson, MN to Viking, MN	213,461	322,423	20.6	36"	Crude Oil
4	Donaldson, MN to Plummer, MN	320,971	393,021	13.6	48"	Crude Oil
4	Viking, MN to Plummer, MN	394,395	527,703	25.2	36"	Crude Oil
4	Viking, MN to Clearbrook, MN	526,404	545,840	3.7	48"	Crude Oil
4	Plummer, MN to Clearbrook, MN	547,141	647,345	19.0	36"	Crude Oil
4	Plummer, MN to Clearbrook, MN	645,406	716,261	13.4	48"	Crude Oil
4	Clearbrook, MN to Cass Lake, MN Loop	716,411	878,927	30.8	36"	Crude Oil
4	Cass Lake, MN Loop (MP939.87 to MP953.04)	877,981	946,695	13.1	48"	Crude Oil
4	Clearbrook, MN to Deer River, MN Loop	946,641	1,059,570	21.4	36"	Crude Oil
4	Deer River, MN Loop (MP974.73 to MP995.83)	(127,102)	1,173,196	22.0	48"	Crude Oil
4	Cass Lake, MN to Floodwood, MN Loop	1,173,151	1,306,304	25.2	36"	Crude Oil