

RE: TL151 Week 8 Report

Crary, Tom [tom.crary@mdu.com]

Sent: Monday, November 07, 2011 9:25 AM

To: -Info-Public Service Commission

Cc: Lein, Jerry R.; Ford, Henry [Henry.Ford@mdu.com]; Aberle, Tamie [Tamie.Aberle@MDU.com]

Attachments: TL151 - Week 8 - 11-7-11.pdf (3 MB)

I have attached the weekly report for week 8 of the Merricourt to Ellendale, 230kV, TL151 – NDPSC Case No. PU-10-164

TOM CRARY
Sr Staff Engineer
Montana-Dakota Utilities Co.
400 N 4th Street
Bismarck, ND 58501
701-222-7685

109 PU-10-164 Filed: 11/7/2011 Pages: 12
Merricourt to Ellendale TL151 progress report, week ending 11-7-11

Montana-Dakota Utilities Co., a Division of MDU Resources Group, Inc.

**WEEKLY REPORT
OF
CONSTRUCTION PROGRESS**

PROJECT:

Merricourt - Ellendale, 230kV, TL151
Ashley - Ellendale, 46kV, TL041 UB
Wishek - Ellendale, 230kV, TL089 - Merricourt Taps

DATE: 11-5-11

WO: J172396
J186381
JXXXXXX

WEEK OF CONSTRUCTION: OCT. 31 to NOV. 5, 2011
#8

OPERATION		* PERCENT COMPLETION										
		10	20	30	40	50	60	70	80	90	100	
NEW CONSTRUCTION	4 NO. STRUCTURE LOCATION STAKED											90%
	3 NO. MATERIAL HAULED IN FIELD								+++			78%
	2 NO. STRUCTURE ASSEMBLING		10.2%									
	2 NO. STRUCTURE ERECTING		10.2%									
	1 NO. GUY & ANCHOR INSTALLATION				++	36.5%						
	WIRE STRINGING											
	RIGHT OF WAY CLEARING											Same as last Report → 90%
RETIREMENT	POLE LINE REMOVAL											Same as last Report → 100%
	CONDUCTOR REMOVAL											Same as last Report → 100%
	MATERIAL RETURNS (New & Used)											Same as last Report → 95%

* Percent completed to period of report -----
Percent completed during period of report *****

REMARKS:

CONTRACTOR:
BRINK CONSTRUCTORS, INC

MONTANA-DAKOTA UTILITIES CO.

BY: AH

BY: Kenneth W. Fisher

Merricourt Wind Farm to Ellendale 230KV Project

3 No: Pole and Material Hauled in the Field

STR. 84 to 94 = 11 $243/11 = 4.5\%$ # 7

74.0% # 6

$243/190 = .7219$ 78% # 8

2 No: 108 2-poles $243 \div 25 = 10.2\%$ # 8

109 2-poles $243 \div 22 = 9.0\%$ # 7

105 2-poles

1 No: 3-Poles anchors screw anchor 12 to 14 pins

95

12

(#7) $89 + 12 = 101$ (#8) ~~#9~~ $277 \div 101 = 36.5\%$

277 Total anchor to be installed on this job.

INSPECTOR'S WEEKLY REPORT

Line: Maintenance Wind Farm to Handle 231KV Project

Period: October 31, 2011 to November 5, 2011 Contractor: FRINK

Inspector: Kenneth W. Sisher General Foreman: Damon Hatley

Weather Conditions: Clear to Partly cloudy wind 5 to 25 mph gust to 48 mph
Temp. 30° to 51° Workmen Total: 7-12

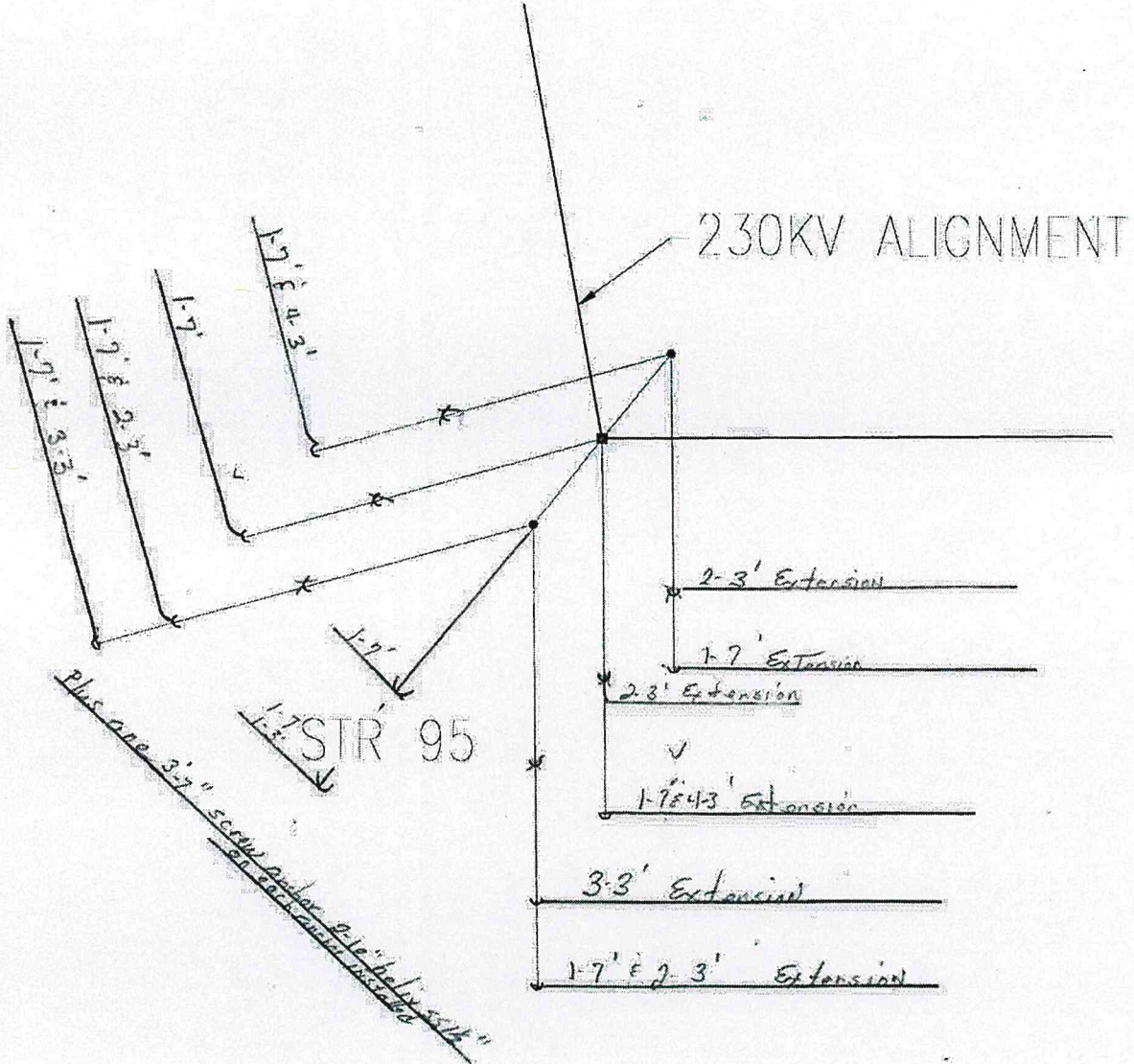
Progress:

1. Roads Built _____
2. Gates Built and Fence 200' west Structure 106
3. Material Hauled Structure 84 to Structure 94
4. Structures Framed 108; 107; 105; 95; 92 ground and aerial
5. Digging 108; 107; 105 used crush rock for both poles at STR 105 ^{total of} 10 cu. yds.
6. Structures Set 108; 107; 105
7. Sock Line Pulled _____
8. Wire Strung _____
9. Wire Sagged & Clipped _____
10. SC rows 12 anchors at Structure 95 3-pole VP STR.
Showed 12 pins each anchor 1 1/2 to 2 twist on anchor Rod. 1 1/2 sq.

Comments:

11-1-11 Tuesday Wayne Bauer, Damon Hatley and myself went with Doug Zahn
looked over where 105 was to be set. Wayne move it 75 ft to the East
close to the N-S fence. this location was ok with Doug who owns and
his men built the new fence just west of STR 106. about 200 ft
upon 24' tall fence. Doug said Thanks for getting done before
his cattle get there on Thursday the 3. 2011.

New work on Saturday 5, 2011 due to even handling season open
Friday at 12:00 PM Contractor said to give them even better than last week end.



crushed Rock

11-2-11 STR. 105 10 cu yds

10-24-11 to 10-29-11 STR. 124 10 cu yds

STR. 106 10 cu yds

10-15-11 to 10-22-11 STR. 215 20 cu yds

177 20 cu yds

174 20 cu yds

166 20 cu yds

150 6 cu yds

149 15 cu yds

Total cu yds used 131 cu yds.

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Merrimack Wind Farm to Middleboro 240KV REPORTED BY Kenneth W. Fisher

DATE Monday 10-31-11
Tuesday 11-1-11
Bink Contractor

MEN	NO.	TRAILS & LANDINGS	POLE & MATERIAL HAULING	HOLE DIGGING	STRUCTURE FRAMING (Ground)	STRUCTURE SETTING	STRUCTURE FRAMING (Aerial)	ANCHOR INSTALLATION	CONDUCTOR HAUL, STRING, SAG, CLIP	CLEAN-UP WORK	LOST TIME DUE TO ADVERSE WEATHER	TOTAL HOURS
FOREMAN <u>Supervisor</u>	<u>1</u>				<u>1</u>	<u>2</u>					<u>2</u>	<u>22</u>
FOREMAN												
FOREMAN	<u>1</u>				<u>1</u>	<u>2</u>					<u>2</u>	<u>22</u>
LINEMEN												
LINEMEN												
LINEMEN <u>Appr</u>	<u>3</u>		<u>7</u>		<u>3</u>	<u>2</u>					<u>2</u>	<u>66</u>
LINEMEN												
EQUIP. OPERATORS												
EQUIP. OPERATORS												
EQUIP. OPERATORS												
GROUND MEN	<u>2</u>		<u>2</u>		<u>2</u>	<u>2</u>					<u>2</u>	<u>14</u>
GROUND MEN												
GROUND MEN												
GROUND MEN												
TOTAL MEN	<u>7</u>											

crew worked on ST, set Ground & Aerial Framing, Dig pole holes also fence building

EQUIPMENT ON JOB (List on Monday and note only changes during week.)

- 1- 3/4 Ton Pickup _____
- 1- 2 Ton Pickup _____
- National 30ton crane rubber tire _____
- Air Compressor Truck w/4 Tamps _____
- National 30 Ton crane w/ Basket _____
- Crane 10 Ton _____
- Highway digger Texoma 500 _____
- _____
- _____
- _____

WEATHER CONDITIONS (Indicate above approx. time lost due to adverse weather.)

Clear to Pfly cloudy wind 5° to 15 mph Temp 25° to 50°

Pfly Cloudy wind 5° to 20 mph Temp 35° to 50°

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Massachusetts Wind Farm to Eldredge REPORTED BY Timothy W. Disher

DATE Wednesday 2, 2011
Thursday 3, 2011
Brink Contractor

MEN	NO.	24 Hrs. of Project											TOTAL HOURS	
		TRAILS & LANDINGS	POLE & MATERIAL HAULING	HOLE DIGGING	STRUCTURE FRAMING (Ground)	STRUCTURE SETTING	STRUCTURE FRAMING (Aerial)	ANCHOR INSTALLATION	CONDUCTOR HAUL, STRING, SAG, CLIP	CLEAN-UP WORK	LOST TIME DUE TO ADVERSE WEATHER	Other		
FOREMAN <i>Supervisor</i>	1												1	24
FOREMAN	1		1											12
FOREMAN	1				1	1	*	1						36
LINEMEN														
LINEMEN														
LINEMEN <i>Appr.</i>	2		2											24
LINEMEN <i>Appr.</i>	4	4			3	3	*	3	1			1		96
LINEMEN														
EQUIP. OPERATORS	1		1											12
EQUIP. OPERATORS														
EQUIP. OPERATORS														
GROUND MEN	1	1				1			1					36
GROUND MEN	1		1											12
GROUND MEN														
GROUND MEN														
TOTAL MEN	7	12												232

EQUIPMENT ON JOB (List on Monday and note only changes during week.)

- Small trailer with 2 7/8 Guy wire reel stands
- 1-Ton Pickup
- Tractor w/ Flat bed trailer
- Tractor w/ Pole trailer
- Small trailer w/ crane anchors
- _____
- _____
- _____
- _____
- _____
- _____

WEATHER CONDITIONS (Indicate above approx. time lost due to adverse weather.)

clear wind 5 to 15 mph Temp 30° to 49° Wednesday

clear To Light clouds wind 5 to 20 mph Temp 19° to 48° Thursday

DAILY RECORD OF CONTRACTORS WORK

11-2-11 to 11-3-11

STAND NO.	DIGGING-FT.		POLES SET	STRUCTURE <small>or aerial</small> FRAMED	ANCHORS INSTALLED	AERIAL MARKER	FENCE GATES
	EARTH	ROCK					
105		10 cu yds	2-95 CL-1	A-230 A DPL A-46 H saddle			
95	screwed in 12 anchors						
	3' 9" screw anchors 2-10" hole 5.5 1/2"						
	3' Extension Rod 1 1/2" sq						
	7' Extension Rod 1 1/2" sq						
92				T 230 JP	with 75 anchors to be installed		
crushed rock was used for backfill material for STR 105							

PROGRESS OF CONDUCTOR STRINGING, SAGGING, CLIPPING *Finished building fence by structure 106.*

GENERAL REMARKS (Include R/W, Material, Inspection Decisions)

crew set 2 pole and aerial framed structure listed above. 11-2-11
crew hung 7/16 guy wire on structure 95. Tied guy wire to poles and 4 anchors are installed 11-2-11.
 11-3-11
crew finished installing dist. pole bands for deading on str 95 also cut in Johnny Balls
2 men installing screw anchors for str 95
crew ground frame 3 pole structure 92

crew hauled poles cross arms X-braces knee braces and tie braces to structure No: 94, 93, 95.

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Merrimack Wind Farm to Otterdale REPORTED BY Kenneth W. Sinden

DATE Friday 4, 2011
Sat the day 5, 2011 No work
Brink Contractor

MEN	NO.	TRAILS & LANDINGS	POLE & MATERIAL HAULING	HOLE DIGGING	STRUCTURE FRAMING (Ground)	STRUCTURE SETTING	STRUCTURE FRAMING (Aerial)	ANCHOR INSTALLATION	CONDUCTOR HAUL, STRING, SAG, CLIP	CLEANUP WORK	LOST TIME DUE TO ADVERSE WEATHER	TOTAL HOURS
FOREMAN <i>Supervisor</i>	1											10
FOREMAN	1		1									10
FOREMAN	1						1					10
LINEMEN												
LINEMEN <i>cyber</i>	2		2									20
LINEMEN <i>cyber</i>	4						4					40
LINEMEN												
EQUIP. OPERATORS	1		1									10
EQUIP. OPERATORS												
EQUIP. OPERATORS												
GROUND MEN	1		1									10
GROUND MEN	1						1					10
GROUND MEN												
GROUND MEN												
TOTAL MEN	12											120

EQUIPMENT ON JOB (List on Monday and note only changes during week.)

WEATHER CONDITIONS (Indicate above approx. time lost due to adverse weather.)

Clear to light cloudy windy 5 to 35 w/ gust up to 46 mph
Temp 31° to 48°
No work on Saturday due to the crew hunting season
Started on Friday 4th at 8am. Contractor will give them their weekend to hunt the gun they
do work 10.

