North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

May 4, 2016

ADDENDUM 1 – JOB 11

TO: All prospective bidders on project SC-4424(052), Job No. 11 scheduled for the May 13, 2016 bid opening.

The following plan and request for proposal revision shall be made:

Plan and Request For Proposal Revisions:
See attached summary from Gary Brennan, PE; Brosz Engineering, Inc., dated May 3, 2016 for an explanation.

This addendum is to be incorporated into the bidder's proposal for this project.

for CAL J. GENDREAU – CONSTRUCTION SERVICES ENGINEER
80:plm
Enclosure

Box 357 • 109 S. Main
Bowman, ND 58623
Ph: 701.523.3340

BROSZ ENGINEERING, INC.
ARCHITECTURE ENGINEERING SURVEYING

May 3, 2016

ADDENDUM 1
JOB NO. 11

TO: All prospective bidders and suppliers on Project SC-4424(052), Job No. 11 in Slope County, scheduled for the May 13, 2016 bid opening.

The following plan revisions shall be made:

Plan Revisions:
Remove and replace sheets 2-1, with the enclosed sheets revised 5/3/2016.

Add sheets 11-2 through 7 dated 5/3/2016.

Request for Proposal Revision:
Add SP 3(14) Temporary Erosion and Sediment Best Management Practices

Section 2, Sheet 1: The description of Section 11 was changed to Data Tables. Sheets 2 through 7 were added to Section 11. SP 3(14) Temporary Erosion and Sediment Best Management Practices was added to the Special Provisions List.

Section 11, Sheets 2-4: Mass Haul Diagrams were added for informational purposes.

Section 11, Sheet 5-7: An End Area Volume Report was added for informational purposes.

This Addendum is to be incorporated into the bidder's proposal for this project.

Sincerely,

Gary Brennan, PE
Project Engineer
Brosz Engineering, Inc.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

TEMPORARY EROSION AND SEDIMENT BEST MANAGEMENT PRACTICES

1. GENERAL

Install, maintain and remove appropriate Temporary Best Management Practices (BMPs).

Definitions:

A. **Temporary Erosion and Sediment BMPs** are to be installed and maintained before and during the term of the land disturbance activity. These items are removed when permanent erosion and sediment BMPs are installed.

B. **Permanent Erosion and Sediment BMPs** are to be installed and maintained once the project is completed so that the applicable permits can be terminated.

   In some instances, individual temporary and permanent erosion and sediment BMPs for a site may consist of identical BMPs. In these cases, the temporary erosion and sediment BMPs may be used as the permanent erosion and sediment BMPs if they meet the following criteria:

   1. The BMP was installed correctly,
   2. Is in a functional condition,
   3. Has had all accumulated sediment removed.

C. **The Stormwater Pollution Prevention Plan (SWPPP)** is the document that identifies potential sources of sediment or other pollution from construction activity and ensures practices are used to reduce the contribution of pollutants from construction site runoff.

D. **Contractor Controlled Areas** are areas not included in the contract, but are obtained and solely controlled by the Contractor (e.g., concrete or asphalt batch plants, concrete washout areas, equipment staging yards, material storage areas, excavated material disposal areas, Contractor furnished borrow areas, etc.).

E. **Maintenance** is any action taken to keep a BMP in working condition. These actions may consist of repairing failures of the BMP itself.

F. **Noncompliance** is any action or inaction that violates the regulations imposed by the applicable permits or the requirements of this special provision and other contract documents. Failure of a BMP does not necessarily constitute noncompliance as long as the BMP is repaired, replaced or supplemented within the timelines established in the applicable permits and no sediment is discharged from the site or into a water of the state.

2. CONSTRUCTION REQUIREMENTS

Develop a SWPPP specific to the project. The creation of the SWPPP is a cooperative effort between the NDDOT who creates the project plan sheets and the Contractor who creates a complete SWPPP which incorporates the plan sheets and the Contractor's means and methods. The project plan sheets by themselves do not meet the requirements of a complete SWPPP and should not be considered as such. The Contractor has the flexibility to modify the design and implementation of the temporary erosion and sediment controls to match the Contractor's means and methods and/or field conditions. These changes must be documented in the SWPPP and meet all regulatory requirements.

Obtain appropriate permit coverage for the activities conducted in Contractor Controlled Areas. A permit will be required for these areas regardless of their size. The NDDOT will have no responsibility for these areas.

Install perimeter erosion and sediment BMPs according to the plans/SWPPP prior to site disturbance.

Change the location of temporary erosion and sediment BMPs to fit the field conditions.

Update the SWPPP as work progresses, or as directed by the Engineer. Update the SWPPP to show changes due to revisions in work schedules or sequence of construction. Update the site map to reflect erosion and sediment BMPs that have been installed, changed, or removed.

Do not rely on perimeter BMPs as the sole method of controlling erosion. As the project progresses, install temporary erosion and sediment BMPs within the perimeter BMPs to control erosion resulting from the construction of the project.

Use temporary erosion and sediment BMPs to prevent contamination of adjacent streams or other watercourses, lakes, ponds or other areas of water impoundment.

Coordinate temporary erosion and sediment BMPs with the construction of permanent erosion and sediment BMPs to provide continuous erosion control. Do not install temporary erosion and sediment BMPs when permanent erosion and sediment BMPs are able to be installed. Once the permit is terminated or transferred to the Department, the maintenance of the permanent erosion and sediment BMPs becomes the responsibility of the NDDOT.

Install stabilization BMPs (mulch, seeding and mulch, etc.) in areas that have been disturbed where work has temporarily or permanently ceased following the timelines established in the applicable permits. If implementation of stabilization is precluded by snow cover, undertake such measures as soon as conditions allow.

Maintain the effectiveness of the temporary erosion and sediment BMPs as long as required to contain sediment runoff. Inspect the temporary erosion and sediment BMPs and complete the inspection and maintenance reports every 14 days and within 24 hours of a rainfall event of 0.25 inch or more. During prolonged rainfall (more than 1 day), conduct an inspection within 24 hours of the first day of the event and within 24 hours after the end of the event. Inspections are required only during normal business hours. Install a rain gauge to monitor rainfall amounts as required by the appropriate permit.

Correct any deficiencies in the BMPs within the timelines established in the applicable permits. If conditions do not permit access to the BMP, corrective actions can be taken by installing additional BMPs. Correct the original deficiencies as soon as conditions allow access to their location without causing additional damage to the slopes. In the inspection logs, document the conditions that prohibit access.

Provide copies of all inspections, documentation, record keeping, maintenance, remedial actions, and repairs required by the applicable permits to the Engineer. Provide inspection and maintenance reports within 3 working days after an inspection has been conducted.

Provide immediate written notification to the Engineer of proposed changes to the erosion control plan or SWPPP. The Engineer will review the proposed changes and determine if they are adequate. Documentation of maintenance and inspections that does not affect the erosion control plan or SWPPP does not require approval by the Engineer.

Remove the temporary devices when directed by the Engineer or when permanent erosion and sediment controls are installed.

3. Erosion and Sediment Control Supervisor.

A. General. Designate an erosion and sediment control supervisor. Provide the name and contact information for the supervisor at the preconstruction meeting. If this erosion and sediment control supervisor becomes unavailable on the project, designate a replacement supervisor. Notify the Engineer if this supervisor changes and provide the contact information for the new supervisor.

B. Qualifications. The supervisor shall be:

1. An employee of the Prime Contractor;

2. Familiar with installation, maintenance and removal of BMPs and the requirements of the erosion and sediment control plans, applicable permit requirements, specifications, plans and this provision; and

3. Competent to supervise personnel in erosion and sediment control operations.

C. Duties. The supervisor shall:

1. Provide erosion and sediment control as required by the SWPPP, Plans, and Specifications.

2. Be on the site to supervise the installation, operation, inspection, maintenance, and removal of the erosion and sediment BMPs.

3. Update the SWPPP as work progresses to show changes due to revisions in work schedules or sequence of construction, or as directed by the Engineer. Update the site map to reflect erosion and sediment BMPs that have been installed, changed, or removed.

4. Propose changes to improve erosion and sediment control.

5. Be accessible to the job site within 24-hours.

6. Provide the Engineer with documentation of all erosion and sediment control activities and inspections as required above.

3. PERFORMANCE

Correct all areas of noncompliance within 24 hours after notification of noncompliance. If corrective actions are not taken within 24 hours, the Engineer may:

1. Assess a liquidated damage of $500 per day per instance;

2. Have deficiencies corrected by another Contractor and deduct the cost of the work from the monies due or to become due to the Contractor;

3. Suspend all work; or

4. Withhold payment on other contract items/pay estimates.

These actions will be applied until deficiencies have been corrected.

4. BASIS OF PAYMENT

BMP installation will be paid for at the contract unit price for erosion and sediment control for the appropriate items and sections. The plans will detail the required BMPs for temporary and permanent installations. The same bid items may be used for temporary and permanent BMPs.

BMP items will be measured as specified in the “Method of Measurement” portion of the appropriate section of the specifications.

BMP item removal will be paid for at the contract unit price for “Remove _____”in the appropriate section of the specifications.

Include the costs for labor, materials, maintenance, equipment, disposal, adherence to the permit, and SWPPP modifications in the respective pay items.

When the Engineer directs the replacement of temporary erosion and sediment BMPs that are no longer functional because of deterioration or functional incapacity and those items were installed as specified in the Contract or as directed by the Engineer, the Department will pay for replacement BMPs

No payment will be made for replacing temporary erosion and sediment BMPs that the Engineer determines are ineffective because of improper installation, lack of maintenance, or the Contractor’s failure to pursue timely installation of permanent erosion and sediment BMPs as required in the Contract.

No payment will be made for replacing temporary erosion and sediment BMPs due to contractor operations. Include the cost to move Flotation Silt Curtain as work progresses in the price bid for “Flotation Silt Curtain”.

Erosion and sediment controls for Contractor Controlled Areas are the responsibility of the Contractor and will not be paid for by the Department.

Removal of sediment from silt fence and fiber rolls will be paid for at the price listed in the “Price Schedule PS-1.”

TABLE OF CONTENTS

Section No.	Sheet No.	Description
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30	1	Typical Sections
60	1-14	Plan & Profile Sheets
76	1-8	Temporary Erosion Control Sheets
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82	1-3	Alignment Data
100	1-2	Work Zone Traffic Control
110	1-3	Permanent Signing
170	1-4	Box Culvert Sheets
200	1-5	Pipe Cross Sections
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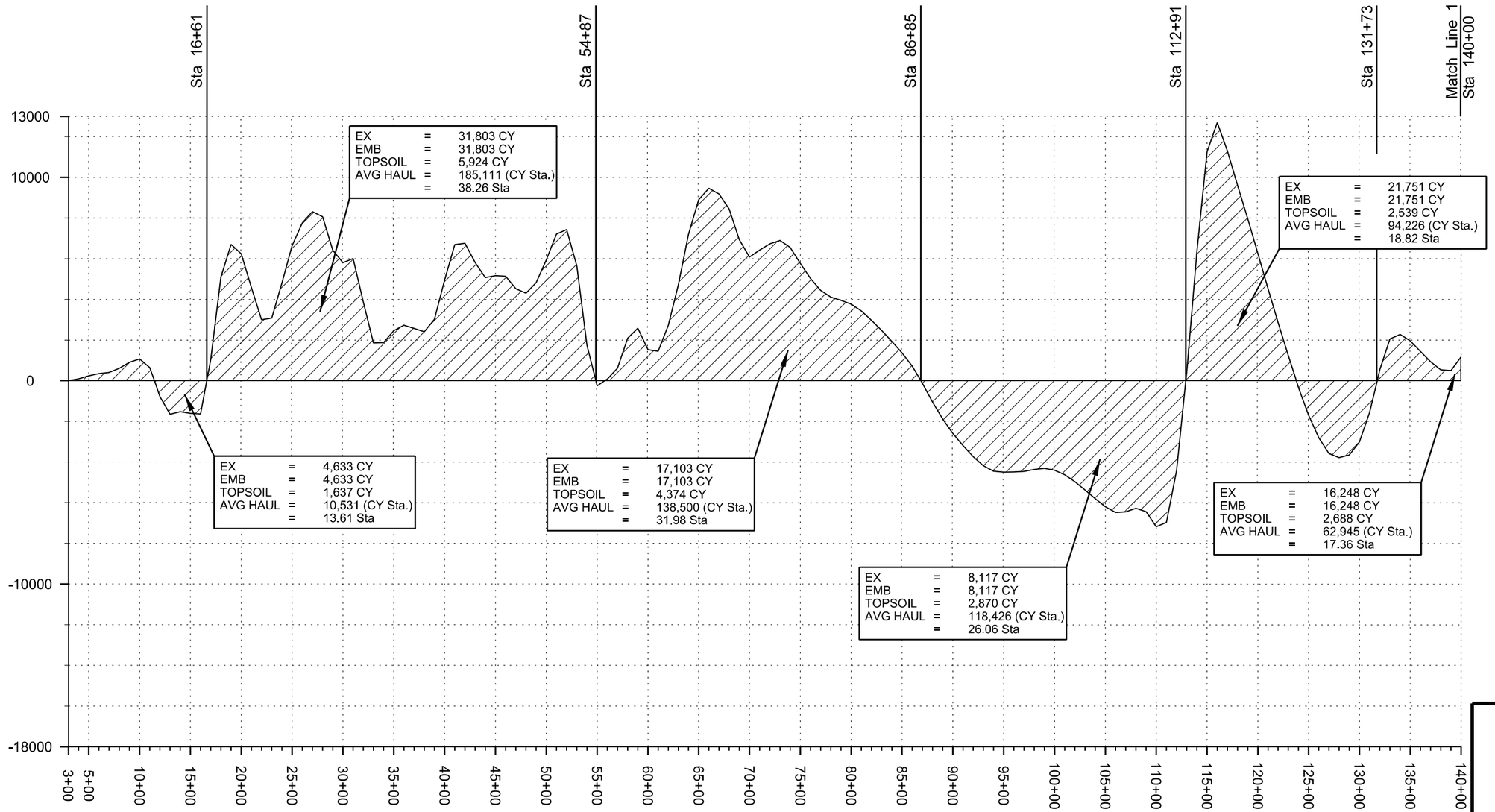
LIST OF STANDARD DRAWINGS

Standard Number	Description
D-203-7	Recovery Approaches at T-Intersections
D-203-8	Standard Rural Approaches
D-261-1	Erosion Control Fiber Roll Placement Details
D-704-7, 8	Breakaway Systems for Construction Zone Signs
D-704-9	Construction Sign Details - Terminal and Guide Signs
D-704-10,11	Construction Sign Details – Warning Signs
D-704-13	Barricade Details and Channelizing Devices
D-704-14	Construction Sign and Barricade Assembly Details
D-704- 22	Construction Truck and Temporary Detour Layouts
D-704-30	Windrow Marking
D-704-50	Portable Sign Support Assembly
D-708-6	Erosion and Siltation Controls-Median or Ditch Inlet Protection
D-714-4	Round Corrugated Steel Pipe Culverts and End Sections
D-754-25	Mounting Details Perforated Tube
D-754-26,27,28,29,30,31,32,33,34	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D-754-87	Sign Punching, Stringer and Support Location Details for Street Name Signs and 911 Signs

LIST OF SPECIAL PROVISIONS (SP)

SP#	Description
299(14)	United State Forest Service Considerations
5110(14)	Permits and Environmental Considerations
3(14)	Temporary Erosion and Sediment Best Management Practices

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SC-4424(052)	11	2



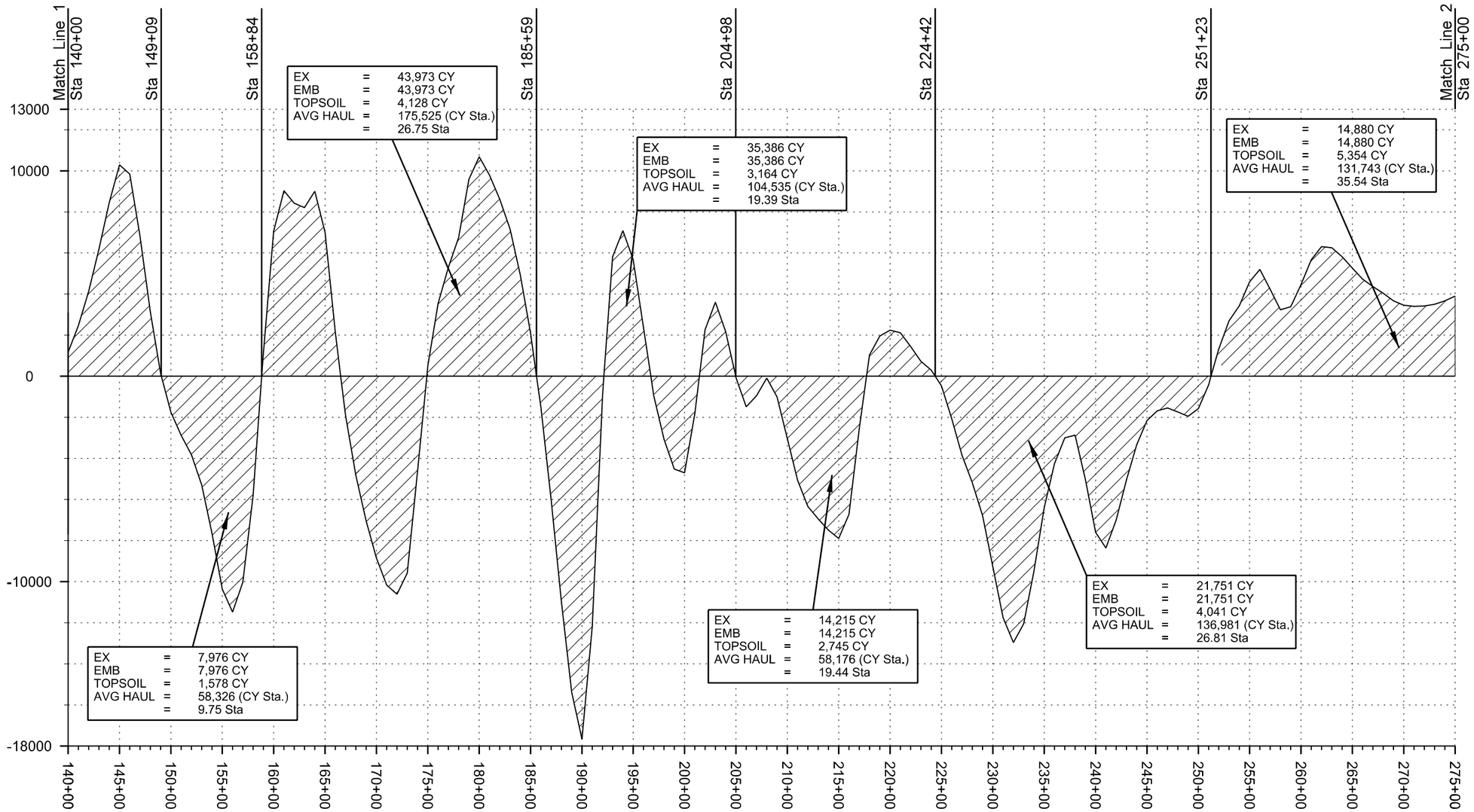
This document was originally issued and sealed by Gary Brennan, Registration Number PE- 4513, on 5/3/2016 and the original document is stored at the North Dakota Department of Transportation

NOTE: A BALANCE POINT OCCURS EACH TIME THE MASS DIAGRAM ELEMENT CROSSES THE HORIZONTAL AXIS. AS THE GRAPH OF THE MASS DIAGRAM ELEMENT DECLINES, THE EMBANKMENT FOR THAT SECTION EXCEEDS THE EXCAVATION, RESULTING IN A NEGATIVE EARTHWORK VOLUME. WHERE THE CHARTED MASS DIAGRAM ELEMENT INCREASES, POSITIVE NET EARTHWORK VOLUMES ARE BEING GENERATED AS THE EXCAVATION EXCEEDS THE EMBANKMENT.

Earthwork Values

Mass Haul Diagram
Slope County, North Dakota

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SC-4424(052)	11	3



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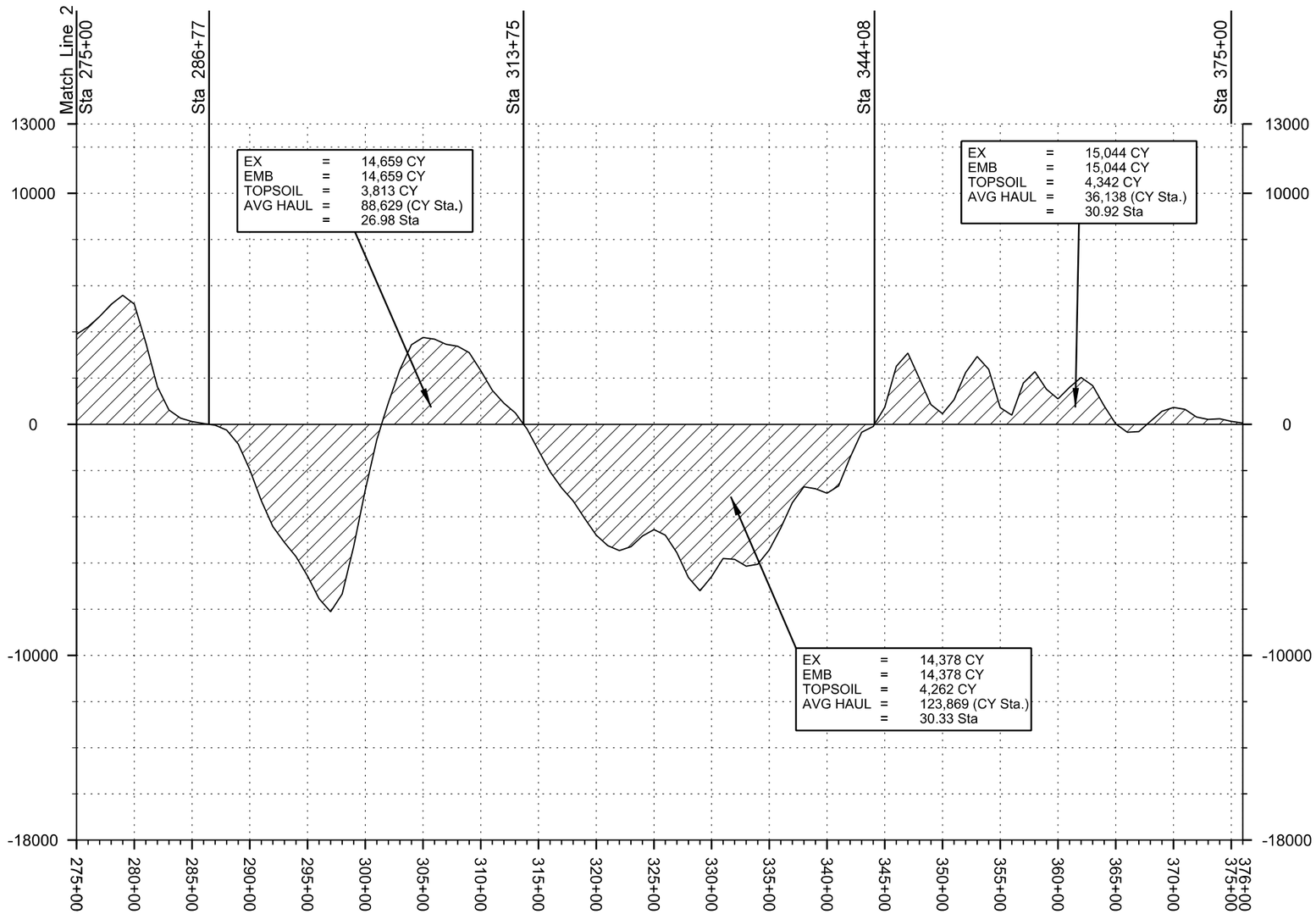
Earthwork Values

Mass Haul Diagram
Slope County, North Dakota

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SC-4424(052)	11	4



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Earthwork Values

Mass Haul Diagram
Slope County, North Dakota

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SC-4424(052)	11	5

End Area Volume Report

Report Created: 3/4/2016
Time: 7:33am

Project Number SC-4424(052)
PCN 20418
Note: All units in this report are in feet, square feet and cubic yards unless specified otherwise.

Baseline Station	Station Quantities - Cut - Factor	Area SF	Volume CY	Adjusted CY	Fill - Factor	Area SF	Volume CY	Adjusted CY	Mass Ordinate
3+00.00	1	40.9	0	0	1.35	16.5	0	0	0
4+00.00	1	83.4	230.3	230.3	1.35	38.9	102.6	138.5	91.8
5+00.00	1	65.3	275.4	275.4	1.35	12.5	95.1	128.4	238.8
6+00.00	1	11.4	142	142	1.35	2.3	27.3	36.9	343.9
7+00.00	1	22.6	62.9	62.9	1.35	0.3	4.8	6.5	400.2
8+00.00	1	90	208.6	208.6	1.35	0.3	1.2	1.7	607.1
9+00.00	1	79.5	313.8	313.8	1.35	5.7	11.1	15	905.9
10+00.00	1	43.5	227.7	227.7	1.35	21.4	50.2	67.7	1065.9
11+00.00	1	232.5	511.1	511.1	1.35	353.5	694.3	937.3	639.7
11+45.10									0
12+00.00	1	93.3	603.3	603.3	1.35	455.2	1497.5	2021.7	-778.6
13+00.00	1	193.3	530.8	530.8	1.35	105.6	1038.4	1401.9	-1649.7
14+00.00	1	143.2	623.2	623.2	1.35	92.8	367.4	496	-1522.5
15+00.00	1	92.6	436.6	436.6	1.35	115.8	386.4	521.6	-1607.5
16+00.00	1	159.7	467.3	467.3	1.35	82.9	368.1	496.9	-1637.2
16+61.11									0
17+00.00	1	1506.8	3086.2	3086.2	1.35	80	301.6	407.2	1041.8
18+00.00	1	803.4	4278.2	4278.2	1.35	9.3	165.3	223.2	5096.9
19+00.00	1	137.4	1742.3	1742.3	1.35	47.6	105.3	142.2	6696.9
20+00.00	1	33.5	316.6	316.6	1.35	263.3	575.6	777.1	6236.5
21+00.00	1	0.2	62.4	62.4	1.35	425.5	1275.4	1721.8	4577.1
22+00.00	1	53.1	98.6	98.6	1.35	246	1243.4	1678.6	2997
23+00.00	1	331.8	712.7	712.7	1.35	5.3	465.3	628.2	3081.5
24+00.00	1	603	1731	1731	1.35	0.5	10.6	14.4	4798.2
25+00.00	1	413	1881.5	1881.5	1.35	15.7	30	40.4	6639.3
26+00.00	1	304.5	1328.7	1328.7	1.35	69	156.8	211.7	7756.3
27+00.00	1	198.6	931.6	931.6	1.35	79.5	274.9	371.2	8316.8
28+00.00	1	31.3	425.7	425.7	1.35	192.6	503.8	680.2	8062.3
29+00.00	1	54.2	158.4	158.4	1.35	528.9	1336.2	1803.8	6416.9
30+00.00	1	330	711.5	711.5	1.35	0.2	980	1322.9	5805.4
31+00.00	1	33.3	672.8	672.8	1.35	190.2	352.7	476.2	6002.1
32+00.00	1	45.6	146.1	146.1	1.35	717.6	1681.1	2269.5	3878.7
33+00.00	1	188.5	433.5	433.5	1.35	266.2	1821.7	2459.3	1852.9
34+00.00	1	254.7	820.8	820.8	1.35	52.7	590.6	797.3	1876.4
35+00.00	1	142.5	735.5	735.5	1.35	8.4	113.2	152.8	2459.1
36+00.00	1	67	387.9	387.9	1.35	38.1	86.1	116.2	2730.7
37+00.00	1	20.1	161.3	161.3	1.35	89.7	236.6	319.5	2572.6
38+00.00	1	57.8	144.4	144.4	1.35	35.2	231.3	312.3	2404.7
39+00.00	1	325.1	709.1	709.1	1.35	0.4	66	89.1	3024.8
40+00.00	1	718.1	1931.9	1931.9	1.35	0.5	1.7	2.3	4954.4
41+00.00	1	245	1783.6	1783.6	1.35	16.5	31.5	42.5	6695.5
42+00.00	1	57	559.2	559.2	1.35	181.5	366.7	495	6759.7
43+00.00	1	0	105.5	105.5	1.35	239.3	779.3	1052.1	5813.1
44+00.00	1	73	135.3	135.3	1.35	111.1	648.9	876	5072.3
45+00.00	1	155.6	423.4	423.4	1.35	21.3	245.2	331	5164.7
46+00.00	1	33.9	351	351	1.35	129.2	278.7	376.3	5139.5
47+00.00	1	12.1	85.2	85.2	1.35	151.1	519	700.7	4524
48+00.00	1	110.8	227.5	227.5	1.35	27.5	330.7	446.4	4305.1
49+00.00	1	237.7	645.3	645.3	1.35	22.9	93.2	125.9	4824.6
50+00.00	1	410.8	1200.9	1200.9	1.35	10	60.9	82.2	5943.2
51+00.00	1	317.7	1349.2	1349.2	1.35	22.3	59.8	80.7	7211.7
52+00.00	1	114	799.4	799.4	1.35	210.5	431	581.9	7429.2
53+00.00	1	78.6	356.6	356.6	1.35	647	1587.9	2143.7	5642.2
54+00.00	1	14.3	172.1	172.1	1.35	984.4	3021.2	4078.6	1735.8
54+87.29									0
55+00.00	1	284.7	553.7	553.7	1.35	32.4	1883.1	2542.2	-252.7
55+77.07									0
56+00.00	1	116.8	743.5	743.5	1.35	133.9	307.9	415.7	75.2
57+00.00	1	382.4	924.5	924.5	1.35	21.3	287.3	387.9	611.8
58+00.00	1	449.6	1540.8	1540.8	1.35	6.1	50.7	68.5	2084.1
59+00.00	1	30.9	889.8	889.8	1.35	150.9	290.7	392.4	2581.5
60+00.00	1	0	57.2	57.2	1.35	295.2	826.1	1115.2	1523.5
61+00.00	1	359.9	666.6	666.6	1.35	0.4	547.4	739	1451.1
62+00.00	1	336	1288.7	1288.7	1.35	4.5	9.1	12.2	2727.6
63+00.00	1	742.2	1996.5	1996.5	1.35	0.4	9.2	12.4	4711.7
64+00.00	1	595.9	2477.9	2477.9	1.35	0.5	1.7	2.3	7187.4
65+00.00	1	327.3	1709.6	1709.6	1.35	1.3	3.4	4.6	8892.4
66+00.00	1	101.9	794.8	794.8	1.35	87.8	165.2	223	9464.2
67+00.00	1	54.5	289.6	289.6	1.35	139.5	421	568.3	9185.5
68+00.00	1	1.2	103.1	103.1	1.35	198.8	626.4	845.7	8442.9
69+00.00	1	3	7.7	7.7	1.35	408.7	1125	1518.7	6931.9
70+00.00	1	283.7	530.8	530.8	1.35	144.2	1023.8	1382.1	6080.6
71+00.00	1	171.7	843.3	843.3	1.35	58	374.3	505.3	6418.5
72+00.00	1	88.7	482.3	482.3	1.35	12.5	130.6	176.3	6724.6
73+00.00	1	75.9	304.9	304.9	1.35	40.4	98	132.3	6897.1
74+00.00	1	3.5	147	147	1.35	158	367.5	496.1	6548
75+00.00	1	2.2	10.5	10.5	1.35	158.6	586.4	791.7	5766.8
76+00.00	1	2.4	8.4	8.4	1.35	140.7	554.3	748.3	5026.9
77+00.00	1	6.5	16.5	16.5	1.35	100	445.7	601.8	4441.6
78+00.00	1	20.8	50.6	50.6	1.35	54.1	285.5	385.4	4106.8
79+00.00	1	8.5	54.3	54.3	1.35	30.9	157.5	212.6	3948.5
80+00.00	1	0.9	17.5	17.5	1.35	49.2	148.3	200.2	3765.8
81+00.00	1	0	1.7	1.7	1.35	83.9	246.4	332.6	3434.9
82+00.00	1	0	0	0	1.35	101.1	342.4	462.3	2972.6
83+00.00	1	0	0	0	1.35	99.6	371.6	501.7	2470.9
84+00.00	1	0	0	0	1.35	117.2	401.4	541.9	1929
85+00.00	1	38.9	72.1	72.1	1.35	138	472.6	638	1363.1
86+00.00	1	25.4	119.1	119.1	1.35	166.3	563.7	761	721.3
86+84.74									0
87+00.00	1	17.5	79.4	79.4	1.35	205.9	689.3	930.6	-129.9
88+00.00	1	11.4	53.5	53.5	1.35	182.7	719.6	971.5	-1047.9
89+00.00	1	0	21.1	21.1	1.35	159.4	633.6	855.3	-1882.1
90+00.00	1	0	0	0	1.35	125.7	528	712.8	-2594.9
91+00.00	1	0	0	0	1.35	113.5	443	598.1	-3193
92+00.00	1	5.5	10.3	10.3	1.35	105.7	406	548.1	-3730.8
93+00.00	1	16.1	40.1	40.1	1.35	90.9	364.1	491.5	-4182.1
94+00.00	1	44.9	113	113	1.35	60.3	280	378	-4447.1
95+00.00	1	75.5	223	223	1.35	47.2	199.2	268.9	-4493.1
96+00.00	1	52.3	236.7	236.7	1.35	41.9	165.1	222.9	-4479.4
97+00.00	1	65.6	218.4	218.4	1.35	35.4	143.2	193.4	-4454.4
98+00.00	1	82.1	273.6	273.6	1.35	35.3	130.9	176.7	-4357.5
99+00.00	1	55.6	255.1	255.1	1.35	46.5	151.5	204.5	-4306.8
100+00.00	1	51.7	198.7	198.7	1.35	67.3	210.8	284.5	-4392.7
101+00.00	1	48.3	185.2	185.2	1.35	95.3	301.1	406.5	-4614
102+00.00	1	44.6	172.1	172.1	1.35	110.3	380.8	514.1	-4956
103+00.00	1	49.7	174.7	174.7	1.35	123.1	432.4	583.7	-5365
104+00.00	1	54	192.2	192.2	1.35	122.4	454.6	613.8	-5786.6
105+00.00	1	61.2	213.4	213.4	1.35	123.4	455.2	614.5	-6187.7
106+00.00	1	113.2	323	323	1.35	115.1	441.7	596.3	-6461
107+00.00	1	164.5	514.3	514.3	1.35	80.6	362.5	489.3	-6436.1
108+00.00	1	158.9	598.8	598.8	1.35	85.3	307.2	414.7	-6252
109+00.00	1	67.4	419	419	1.35	148.8	433.4	585.1	-6418.2
110+00.00	1	52.1	221.3	221.3	1.35	235.6	711.8	960.9	-7157.8
111+00.00	1	390.4	819.6	819.6	1.35	7.2	449.6	607	-6945.2
112+00.00	1	992.3	2560.5	2560.5	1.35	0.3	13.8	18.6	-4403.3
112+91.19									0
113+00.00	1	1616	4830.2	4830.2	1.32	0.2	1	1.3	425.6
114+00.00	1	1599.8	5955.3	5955.3	1.32	0.3	0.9	1.2	6379.7
115+00.00	1	1064.3	4933.5	4933.5	1.32	12.8	24.2	31.9	11281.3
116+00.00	1	22.9	2013.3	2013.3	1.32	223.9	438.4	578.6	12715.9
117+00.00	1	0	42.4	42.4	1.32	365.7	1091.8	1441.2	11317.2
118+00.00	1	0	0	0	1.32	327.2	1283	1693.6	9623.6
119+00.00	1	0	0	0	1.32	342.6	1240.4	1637.3	7986.3
120+00.00	1	0	0	0	1.32	360	1301.1	1717.4	6268.9
121+00.00	1	0	0	0	1.32	350	1314.8	1735.6	4533.3
122+00.00	1	0	0	0	1.32	326.4	1252.7	1653.6	2879.7
123+00.00	1	0	0	0	1.32	332.3	1219.8	1610.1	1269.6
123+80.36									0
124+00.00	1	0	0	0	1.32	314.1	1196.9	1580	-310.3
125+00.00	1	0	0	0	1.32	246.4	1037.9	1370	-1680.4
126+00.00	1	23	42.7	42.7	1.32	220.7	864.9	1141.7	-2779.4
127+00.00	1	73.2	178.3	178.3	1.32	172	727.2	959.9	-3561
128+00.00	1	185.7	479.6	479.6	1.32	104.4	511.9	675.7	-3757.1
129+00.00	1	146.6	615.4	615.4	1.32	95.7	370.5	489.1	-3630.8
130+00.00	1	400	1012.3	1012.3	1.32	58.6	285.8	377.3	-2995.8
131+00.00	1	490	1648.3	1648.3	1.32	19.6	144.9	191.2	-1538.8
131+73.39									0
132+00.00	1	671.1	2150.2	2150.2	1.35	1.8	39.6	53.4	558
133+00.00	1	197.8	1609	1609	1.35	34	66.3	89.5	2077.5
134+00.00	1	84.6	523	523	1.35	86.9	224	302.4	2298.1
135+00.00	1	31.7	215.4	215.4	1.35	124.6	391.7	528.8	1984.7
136+00.00	1	18.4	92.7	92.7	1.35	123	458.5	619	1458.4
137+00.00	1	18.6	68.4	68.4	1.35	108.2	428	577.9	948.9
138+00.00	1	34.9	99.1	99.1	1.35	88.4	364	491.4	556.6
139+00.00	1	101.6	252.8	252.8	1.35	28.4	216.3	292.1	517.4
140+00.00	1	309.6	761.4	761.4	1.35	6.2	64.1	86.5	1192.3
141+00.00	1	397.8	1310	1310	1.35	0.5	12.4	16.7	2485.6
142+00.00	1	504.4	1670.8	1670.8	1.35	0.6	2	2.7	4153.6
143+00.00	1	607.6	2059.2	2059.2	1.35	0.7	2.3	3.1	6209.7
144+00.00	1	647.6	2324.4	2324.4	1.35	25.5	48.5	65.5	8468.6
145+00.00	1	516.3	2155.4	2155.4	1.35	99	230.4	311.1	10312.8

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Earthwork Values

End Area Volume Report
Slope County, North Dakota

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SC-4424(052)	11	6

Baseline Station	Station Quantities Cut Factor	Cut Area SF	Cut Volume CY	Cut Adjusted CY	Fill Factor	Fill Area SF	Fill Volume CY	Fill Adjusted CY	Mass Ordinate
146+00.00	1	0	956.1	956.1	1.35	464.8	1044	1409.4	9859.6
147+00.00	1	0	0	0	1.35	750.3	2250.1	3037.7	6821.9
148+00.00	1	0	0	0	1.35	716.3	2715.9	3666.5	3155.4
149+00.00	1	0	0	0	1.35	479.1	2213.7	2988.5	166.9
149+08.81									0
150+00.00	1	0	0	0	1.35	278.5	1402.9	1893.9	-1726.9
151+00.00	1	84.4	156.3	156.3	1.35	236.8	954.2	1288.1	-2858.7
152+00.00	1	77	298.9	298.9	1.35	258	916.2	1236.9	-3796.8
153+00.00	1	7.8	157.1	157.1	1.35	395.1	1209.4	1632.7	-5272.4
154+00.00	1	0	14.5	14.5	1.35	553.8	1757.2	2372.3	-7630.2
155+00.00	1	1.8	3.3	3.3	1.35	532	2010.9	2714.7	-10341.5
156+00.00	1	483.1	898	898	1.35	273.3	1491.5	2013.5	-11457
157+00.00	1	691	2174.3	2174.3	1.35	17.8	539.1	727.8	-10010.5
158+00.00	1	1616.6	4273.3	4273.3	1.35	0.4	33.7	45.5	-5782.7
158+83.60									0
159+00.00	1	2120.1	6919.8	6919.8	1.35	0.7	2	2.7	1134.4
160+00.00	1	1094.3	5952.6	5952.6	1.35	0.6	2.4	3.2	7083.7
161+00.00	1	97.8	2207.6	2207.6	1.35	93.2	173.8	234.6	9056.7
162+00.00	1	69.3	309.6	309.6	1.35	274.8	681.6	920.1	8446.2
163+00.00	1	533.7	1116.7	1116.7	1.35	259	988.6	1334.6	8228.3
164+00.00	1	701.7	2287.8	2287.8	1.35	335.2	1100.4	1485.5	9030.5
165+00.00	1	1.7	1302.6	1302.6	1.35	984.9	2444.6	3300.2	7032.9
167+00.00	1	0	0	0	1.35	661.9	3009.8	4063.3	-1898
168+00.00	1	0	0	0	1.35	501.8	2155.1	2909.3	-4807.4
169+00.00	1	0	0	0	1.35	384.4	1641.1	2215.5	-7022.8
170+00.00	1	0	0	0	1.35	337.7	1337.2	1805.2	-8828
171+00.00	1	20.8	38.5	38.5	1.35	203.7	1002.7	1353.6	-10143.1
172+00.00	1	139.2	296.2	296.2	1.35	94.2	551.6	744.7	-10591.6
173+00.00	1	593.5	1356.9	1356.9	1.35	34.8	238.9	322.5	-9557.2
174+00.00	1	2156.7	5093	5093	1.35	23	107.1	144.6	-4608.7
174+89.74									0
175+00.00	1	673.3	5240.7	5240.7	1.35	19	77.8	105.1	526.8
176+00.00	1	1156.5	3388.4	3388.4	1.35	121	259.4	350.2	3565
177+00.00	1	99.3	2325.4	2325.4	1.35	104.9	418.5	564.9	5325.5
178+00.00	1	829	1719	1719	1.35	1.4	197	265.9	6778.6
179+00.00	1	705.1	2841	2841	1.35	0.5	3.5	4.7	9614.9
180+00.00	1	70.7	1436.6	1436.6	1.35	138.7	257.7	348	10703.6
181+00.00	1	1.8	134.2	134.2	1.35	268.9	754.8	1019	9818.8
182+00.00	1	0	3.3	3.3	1.35	206.4	880.1	1188.1	8634
183+00.00	1	0	0	0	1.35	370.8	1068.9	1443	7191
184+00.00	1	0	0	0	1.35	524.6	1658.2	2238.6	4952.4
185+00.00	1	0	0	0	1.35	612.1	2105	2841.8	2110.6
185+59.06									0
186+00.00	1	0	0	0	1.32	849.8	2707.3	3573.6	-1463
187+00.00	1	0	0	0	1.32	999.7	3425	4521	-5984
188+00.00	1	0	0	0	1.32	1036.6	3770.9	4977.6	-10961.6
189+00.00	1	0	0	0	1.32	761.2	3329.2	4394.5	-15356.1
190+00.00	1	4.2	7.7	7.7	1.32	178.3	1739.8	2296.5	-17644.9
191+00.00	1	3186.3	5908.4	5908.4	1.32	0.4	331	436.9	-12173.4
192+00.00	1	2874.8	11224.3	11224.3	1.32	0.4	1.5	1.9	-951

Baseline Station	Station Quantities Cut Factor	Cut Area SF	Cut Volume CY	Cut Adjusted CY	Fill Factor	Fill Area SF	Fill Volume CY	Fill Adjusted CY	Mass Ordinate
192+14.01									0
193+00.00	1	792.3	6790.9	6790.9	1.32	0.5	1.7	2.3	5837.6
194+00.00	1	107	1665.5	1665.5	1.32	158.8	295.1	389.5	7113.6
195+00.00	1	0	198.2	198.2	1.32	499.5	1219.1	1609.2	5702.6
196+00.00	1	0	0	0	1.32	848.5	2496.3	3295.1	2407.5
196+72.45									0
197+00.00	1	0	0	0	1.32	510.9	2517.4	3323	-915.5
198+00.00	1	0	0	0	1.32	359.4	1611.8	2127.5	-3043
199+00.00	1	23.5	43.4	43.4	1.32	252.9	1134	1496.9	-4496.5
200+00.00	1	289.6	579.8	579.8	1.32	58.9	577.4	762.2	-4678.9
201+00.00	1	1343.2	3023.8	3023.8	1.32	0.5	109.9	145.1	-1800.2
201+43.93									0
202+00.00	1	871	4100.4	4100.4	1.32	0.5	1.8	2.4	2297.8
203+00.00	1	62.2	1728.2	1728.2	1.32	160.9	298.9	394.5	3631.4
204+00.00	1	0	115.2	115.2	1.32	473.7	1175.2	1551.3	2195.3
204+98.19									0
205+00.00	1	0	0	0	1.35	420.5	1656.1	2235.7	-40.4
206+00.00	1	16.2	29.9	29.9	1.35	160.4	1075.8	1452.3	-1462.8
207+00.00	1	499.3	954.5	954.5	1.35	8.3	312.4	421.8	-930.1
208+00.00	1	64.7	1044.4	1044.4	1.35	66.4	138.4	186.9	-72.6
209+00.00	1	0	119.8	119.8	1.35	346.4	764.5	1032.1	-984.8
210+00.00	1	0	0	0	1.35	464.7	1502	2027.7	-3012.5
211+00.00	1	0	0	0	1.35	347.7	1504.5	2031	-5043.5
212+00.00	1	36.5	67.5	67.5	1.35	188.8	993.6	1341.4	-6317.4
213+00.00	1	72	200.8	200.8	1.35	134.6	599	808.7	-6925.3
214+00.00	1	42.1	211.2	211.2	1.35	165.3	555.4	749.8	-7463.9
215+00.00	1	96.3	256.3	256.3	1.35	103.7	498.2	672.6	-7880.1
216+00.00	1	683.9	1444.8	1444.8	1.35	0.3	192.7	260.1	-6695.4
217+00.00	1	1564.4	4163.5	4163.5	1.35	0.3	1.1	1.5	-2533.5
217+70.45									0
218+00.00	1	378.8	3598.4	3598.4	1.35	0.5	1.6	2.1	1062.8
219+00.00	1	144.8	969.6	969.6	1.35	19.6	37.3	50.3	1982.1
220+00.00	1	116.9	484.6	484.6	1.35	59.6	146.7	198.1	2268.6
221+00.00	1	45.6	300.8	300.8	1.35	114.4	322.3	435	2134.3
222+00.00	1	0	84.4	84.4	1.35	185.2	554.7	748.8	1469.9
223+00.00	1	50.8	94.1	94.1	1.35	139.8	601.7	812.3	751.6
224+00.00	1	52.1	190.5	190.5	1.35	108.9	460.5	621.7	320.5
224+41.59									0
225+00.00	1	0	96.4	96.4	1.35	237.9	642.3	867.1	-450.1
226+00.00	1	0	0	0	1.35	400.7	1182.6	1596.5	-2046.6
227+00.00	1	0	0	0	1.35	312.2	1320.1	1782.2	-3828.8
228+00.00	1	0	0	0	1.35	222.1	989.4	1335.7	-5164.5
229+00.00	1	0	0	0	1.35	418.6	1186.4	1601.6	-6766.2
230+00.00	1	0	0	0	1.35	576.7	1843.2	2488.3	-9254.5
231+00.00	1	0	0	0	1.35	415.1	1836.7	2479.5	-11734
232+00.00	1	55.6	102.9	102.9	1.35	109.6	971.5	1311.6	-12942.7
233+00.00	1	587.5	1190.9	1190.9	1.35	0.4	203.6	274.8	-12026.6
234+00.00	1	797.9	2565.6	2565.6	1.35	0.4	1.4	1.9	-9462.9

Baseline Station	Station Quantities Cut Factor	Cut Area SF	Cut Volume CY	Cut Adjusted CY	Fill Factor	Fill Area SF	Fill Volume CY	Fill Adjusted CY	Mass Ordinate
235+00.00	1	877.5	3102.6	3102.6	1.35	0.2	1.1	1.5	-6361.8
236+00.00	1	352.3	2277.4	2277.4	1.35	58.5	108.8	146.9	-4231.2
237+00.00	1	447.2	1480.5	1480.5	1.35	32.9	169.3	228.5	-2979.2
238+00.00	1	42.8	907.5	907.5	1.35	278.4	576.4	778.1	-2849.8
239+00.00	1	0	79.4	79.4	1.35	611.9	1648.6	2225.6	-4996
240+00.00	1	31	57.4	57.4	1.35	443.6	1954.6	2638.7	-7577.3
241+00.00	1	290.4	595.2	595.2	1.35	97.6	1002.2	1352.9	-8335.1
242+00.00	1	603.1	1654.8	1654.8	1.35	21.8	221.1	298.5	-6978.8
243+00.00	1	484.2	2013.6	2013.6	1.35	3	45.9	62	-5027.2
244+00.00	1	450	1729.9	1729.9	1.35	0.6	6.5	8.8	-3306.1
245+00.00	1	187.4	1180.2	1180.2	1.35	4.1	8.6	11.6	-2137.5
246+00.00	1	94.6	522.2	522.2	1.35	12.9	31.5	42.6	-1657.9
247+00.00	1	44.6	257.8	257.8	1.35	37.4	93.2	125.8	-1525.9
248+00.00	1	17.8	115.5	115.5	1.35	86.1	228.6	308.6	-1719
249+00.00	1	54.3	133.5	133.5	1.35	50	252	340.2	-1925.7
250+00.00	1	225.3	517.9	517.9	1.35	6	103.6	139.8	-1547.7
251+00.00	1	406.3	1169.8	1169.8	1.35	0.4	11.8	16	-393.9
251+22.56									0
252+00.00	1	537.5	1747.9	1747.9	1.35	0.4	1.6	2.2	1351.9
253+00.00	1	210.8	1385.8	1385.8	1.35	5.3	10.6	14.4	2723.4
254+00.00	1	193.5	748.7	748.7	1.35	1.8	13.1	17.7	3454.5
255+00.00	1	438.5	1170.3	1170.3	1.35	0.4	4.1	5.5	4619.3
256+00.00	1	23.2	854.9	854.9	1.35	101	187.8	253.5	5220.7
257+00.00	1	5	52.2	52.2	1.35	306.7	754.9	1019.1	4253.9
258+00.00	1	38.3	80.1	80.1	1.35	123.8	797.2	1076.2	3257.7
259+00.00	1	213	465.4	465.4	1.35	3.5	235.8	318.3	3404.8
260+00.00	1	374.2	1087.5	1087.5	1.35	0.6	7.6	10.2	4482.2
261+00.00	1	282.5	1216.1	1216.1	1.35	1.8	4.5	6	5692.2
262+00.00	1	103.6	714.9	714.9	1.35	27.6	54.5	73.5	6333.6
263+00.00	1	34.8	256.2	256.2	1.35	96	228.9	309.1	6280.8
264+00.00	1	14	90.4	90.4	1.35	115.2	391.2	528.1	5843
265+00.00	1	9.6	43.7	43.7	1.35	124	443	598	5288.7
266+00.00	1	14.8	45.2	45.2	1.35	111.2	435.5	587.9	4746
267+00.00	1	59.3	137.3	137.3	1.35	88	368.9	498	4385.3
268+00.00	1	44.5	192.3	192.3	1.35	119	383.5	517.7	4059.9
269+00.00	1	29.6	137.3	137.3	1.35	84.3	376.5	508.3	3688.9
270+00.00	1	43.1	134.7	134.7	1.35	53.6	255.3	344.6	3479
271+00.00	1	59.1	189.2	189.2	1.35	45.6	183.5	247.8	3420.4
272+00.00	1	72.3	243.3	243.3	1.35	43.6	165.2	223	3440.7
273+00.00	1	86	293.1	293.1	1.35	38.6	152.2	205.5	3528.3
274+00.00	1	95.7	336.4	336.4	1.35	31.1	128.9	174	3690.7
275+00.00	1	105.1	371.8	371.8	1.35	24.7	103.2	139.3	3923.2
276+00.00	1	131.6	438.3	438.3	1.35	21.9	86.3	116.5	4244.9
277+00.00	1	155.7	532	532	1.35	13.1	65	87.7	4689.3
278+00.00	1	164.8	593.5	593.5	1.35	13.7	49.6	67	5215.7
279+00.00	1	108.4	505.9	505.9	1.35	31	82.6	111.5	5610.1
280+00.00	1	14.6	227.7	227.7	1.35	213.6	452.9	611.5	5226.3
281+00.00	1	0	27	27	1.35	465.4	1257.4	1697.5	3555.7
282+00.00	1	4.5	8.3	8.3	1.35	297.4	1412.6	1907	1657
283+00.00	1	30.2	64.2	64.2	1.35	135.4	801.4	1081.9	639.3
284+00.00	1	44.5	138.3	138.3	1.35	59.3	360.5	486.7	290.9
285+00.00	1	42.6	161.2	161.2	1.35	63.1	226.7	306	146.1
286+00.00	1	59.5	189.1	189.1	1.35	48.1	205.8	277.9	57.3
286+76.96									0
287+00.00	1	45.6	194.7	194.7	1.35	59.6	199.4	269.1	-17.1

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Earthwork Values

End Area Volume Report
Slope County, North Dakota

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SC-4424(052)	11	7

Baseline Station	Station Quantities Cut Factor	Cut Area SF	Cut Volume CY	Cut Adjusted CY	Fill Factor	Fill Area SF	Fill Volume CY	Fill Adjusted CY	Mass Ordinate
288+00.00	1	34.3	148.1	148.1	1.35	84.1	266.2	359.3	-228.4
289+00.00	1	1.2	65.9	65.9	1.35	182.3	493.5	666.2	-828.7
290+00.00	1	0	2.3	2.3	1.35	264	826.4	1115.7	-1942.2
291+00.00	1	1.9	3.6	3.6	1.35	274.9	997.9	1347.2	-3285.8
292+00.00	1	33.5	65.6	65.6	1.35	199.8	879.1	1186.8	-4406.9
293+00.00	1	57.3	168.2	168.2	1.35	139.5	628.4	848.3	-5087
294+00.00	1	9.8	124.3	124.3	1.35	157	549.2	741.4	-5704.1
295+00.00	1	3.2	24	24	1.35	189.7	642	866.7	-6546.8
296+00.00	1	8.9	22.4	22.4	1.35	211.3	742.5	1002.4	-7526.8
297+00.00	1	98	197.9	197.9	1.35	93	563.4	760.6	-8089.5
298+00.00	1	442.8	1001.4	1001.4	1.35	0.4	172.8	233.3	-7321.4
299+00.00	1	673.2	2066.6	2066.6	1.35	0.3	1.3	1.8	-5256.6
300+00.00	1	643.8	2438.9	2438.9	1.35	0.3	1.1	1.5	-2819.2
301+00.00	1	532.1	2177.6	2177.6	1.35	0.4	1.2	1.6	-643.2
301+40.09									0
302+00.00	1	335.2	1606.2	1606.2	1.35	0.4	1.5	2	961
303+00.00	1	438.1	1432	1432	1.35	0.4	1.5	2	2391
304+00.00	1	170.2	1126.5	1126.5	1.35	17.6	33.2	44.9	3472.7
305+00.00	1	117.4	532.7	532.7	1.35	70.2	162.6	219.5	3785.8
306+00.00	1	53.6	316.6	316.6	1.35	86.5	290.4	392	3710.4
307+00.00	1	51	193.6	193.6	1.35	78.8	306.2	413.4	3490.6
308+00.00	1	66.1	216.8	216.8	1.35	42.4	224.6	303.1	3404.2
309+00.00	1	13.6	147.6	147.6	1.35	127.3	314.4	424.4	3127.5
310+00.00	1	1.8	28.5	28.5	1.35	196.5	599.7	809.5	2346.4
311+00.00	1	20.4	41	41	1.35	160.7	661.4	892.9	1494.5
312+00.00	1	57.6	144.4	144.4	1.35	118.8	517.5	698.6	940.3
313+00.00	1	35.1	171.6	171.6	1.35	120.1	442.3	597.1	514.8
313+74.92									0
314+00.00	1	6.1	76.3	76.3	1.35	185.3	565.5	763.5	-172.4
315+00.00	1	2.7	16.3	16.3	1.35	193.9	702.2	948	-1104
316+00.00	1	8.6	20.9	20.9	1.35	182.6	697.2	941.2	-2024.4
317+00.00	1	19.4	51.9	51.9	1.35	118.6	557.7	752.9	-2725.4
318+00.00	1	10.6	55.7	55.7	1.35	131.6	463.2	625.4	-3295.1
319+00.00	1	18.3	53.5	53.5	1.35	191.5	598.2	807.6	-4049.2
320+00.00	1	44.9	117	117	1.35	146.6	626	845	-4777.3
321+00.00	1	47.9	171.8	171.8	1.35	104.6	465.2	628	-5233.5
322+00.00	1	82.5	241.4	241.4	1.35	73.5	329.8	445.3	-5437.4
323+00.00	1	142.7	417	417	1.35	28.6	189	255.2	-5275.6
324+00.00	1	166.6	572.7	572.7	1.35	13.4	77.7	104.9	-4807.8
325+00.00	1	89	473.3	473.3	1.35	66.6	148.1	200	-4534.4
326+00.00	1	59.3	274.7	274.7	1.35	139.9	382.4	516.3	-4776
327+00.00	1	26.5	158.9	158.9	1.35	225.9	677.5	914.6	-5531.7
328+00.00	1	20.3	86.6	86.6	1.35	241.3	865.3	1168.1	-6613.2
329+00.00	1	102.4	227.3	227.3	1.35	78	591.3	798.2	-7184.2
330+00.00	1	345.2	828.9	828.9	1.35	9.2	161.4	217.9	-6573.1
331+00.00	1	134.1	887.6	887.6	1.35	29.9	72.3	97.6	-5783.1
332+00.00	1	83	402	402	1.35	148.2	329.7	445.1	-5826.2
333+00.00	1	188.5	502.8	502.8	1.35	167.9	585.3	790.2	-6113.6
334+00.00	1	244	801	801	1.35	120.2	533.6	720.4	-6033.1
335+00.00	1	298.8	1005.2	1005.2	1.35	34	285.7	385.7	-5413.6
336+00.00	1	266.4	1046.5	1046.5	1.35	5	72.4	97.7	-4464.7

Baseline Station	Station Quantities Cut Factor	Cut Area SF	Cut Volume CY	Cut Adjusted CY	Fill Factor	Fill Area SF	Fill Volume CY	Fill Adjusted CY	Mass Ordinate
337+00.00	1	335.2	1114.1	1114.1	1.35	1.4	11.9	16.1	-3366.8
338+00.00	1	111.1	826.6	826.6	1.35	56.3	106.8	144.2	-2684.4
339+00.00	1	52.7	303.5	303.5	1.35	97.9	285.5	385.5	-2766.4
340+00.00	1	61.4	211.4	211.4	1.35	62.7	297.4	401.5	-2956.6
341+00.00	1	217.1	515.7	515.7	1.35	17	147.6	199.3	-2640.2
342+00.00	1	470.1	1272.6	1272.6	1.35	2.7	36.5	49.3	-1416.9
343+00.00	1	171.5	1188.2	1188.2	1.35	32.8	65.7	88.7	-317.4
344+00.00	1	74.9	456.3	456.3	1.35	49.4	152.1	205.3	-66.3
344+08.01									0
345+00.00	1	440.8	955.1	955.1	1.35	1.4	93.9	126.8	761.9
346+00.00	1	519	1777.5	1777.5	1.35	1.9	6.1	8.2	2531.2
347+00.00	1	0	961.1	961.1	1.35	152	285	384.8	3107.6
348+00.00	1	0	0	0	1.35	290.8	820.1	1107.1	2000.5
349+00.00	1	1.2	2.2	2.2	1.35	158.5	832.1	1123.4	879.3
350+00.00	1	71.8	135.1	135.1	1.35	51.3	388.6	524.6	489.9
351+00.00	1	319.7	725	725	1.35	0.5	96	129.6	1085.3
352+00.00	1	326.7	1197	1197	1.35	6.4	12.8	17.2	2265.1
353+00.00	1	123	832.7	832.7	1.35	49.6	103.6	139.9	2957.9
354+00.00	1	0	227.7	227.7	1.35	263.1	579	781.6	2404.1
355+00.00	1	0	0	0	1.35	399.2	1226.4	1655.6	748.5
356+00.00	1	362.2	670.8	670.8	1.35	0.4	740	998.9	420.3
357+00.00	1	397.1	1406.1	1406.1	1.35	4.8	9.6	13	1813.4
358+00.00	1	13	759.3	759.3	1.35	104.1	201.6	272.1	2300.7
359+00.00	1	0	24	24	1.35	208.3	578.4	780.9	1543.8
360+00.00	1	112.2	207.7	207.7	1.35	42.2	463.9	626.2	1125.3
361+00.00	1	217.7	610.9	610.9	1.35	1.7	81.3	109.7	1626.5
362+00.00	1	97.7	584.2	584.2	1.35	63.6	120.9	163.2	2047.4
363+00.00	1	55.3	283.5	283.5	1.35	190.5	470.5	635.2	1695.7
364+00.00	1	0	102.4	102.4	1.35	200.6	724.2	977.6	820.5
365+00.00	1	68.4	126.7	126.7	1.35	160.8	669.3	903.6	43.7
365+11.93									0
366+00.00	1	112.8	335.6	335.6	1.35	119.8	519.6	701.5	-322.2
367+00.00	1	145.4	478.2	478.2	1.35	58.8	330.6	446.4	-290.4
367+65.79									0
368+00.00	1	201.1	641.6	641.6	1.35	21.3	148.3	200.2	151
369+00.00	1	108.5	573.3	573.3	1.35	35.1	104.5	141	583.3
370+00.00	1	147.2	473.7	473.7	1.35	84.6	221.6	299.2	757.8
371+00.00	1	95.5	449.5	449.5	1.35	130.6	398.4	537.9	669.4
372+00.00	1	0	176.8	176.8	1.35	72	375.1	506.4	339.9
373+00.00	1	78.8	146	146	1.35	28.4	185.8	250.8	235.1
374+00.00	1	18.5	180.2	180.2	1.35	30.6	109.1	147.3	268
375+00.00	1	7.1	47.3	47.3	1.35	33.5	118.7	160.2	155.2
376+00.00	1	25.4	60	60	1.35	22.5	103.8	140.1	75.1
376+00.03	1	25.4	0	0	1.35	22.5	0	0	75.1
Grand Total:			281623	281623.4			209466.6	281548.3	

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Slope County, North Dakota