



North Dakota Department of Transportation

Thomas K. Sorel
Director

Doug Burgum
Governor

October 31, 2018

ADDENDUM 2 – JOB 8

TO: All prospective bidders on Project SC-5025(056), Job No. 8 scheduled for the November 9, 2018 bid opening.

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

Plan Revisions:

See attached summary from Jon Markusen, P.E. dated October 30, 2018 for an explanation.

Request for Proposal Revisions:

Remove and replace pages 5 and 6 of 8 of the Proposal pages located at the beginning of the Request for Proposal with pages revised 10/31/2018.

The following changes were made to the Bid Items:

Spec	Code	Description	Unit	Previous Quantity	Revised Quantity
704	1000	TRAFFIC CONTROL SIGNS	UNIT	744	1,112
704	1052	TYPE III BARRICADE	EA	4	22

This addendum is to be incorporated into the bidder's proposal for this project. AASHTOWare Project Bids files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at <http://www.bidx.com/> and load it into the AASHTOWare Project Bids program.

PHILLIP MURDOFF, P.E. – CONSTRUCTION SERVICES ENGINEER

80: jwj

Enclosure



864 West 12th Street
Grafton, ND 58237-2120
701 352 1555
KLJENG.COM

October 30, 2018

ADDENDUM 2 JOB 8

TO: All prospective bidders and suppliers on Project SC-5025(056) scheduled for the November 9, 2018 bid opening.

Revisions for SC-5025(056)

Remove & replace page 6 of 8 in the Proposal to reflect the new quantities for the Traffic Control Signs and Type III Barricade bid items.

Remove & replace plan sheet:

- | | | |
|---------------|----------|--------------------|
| • Section 2 | Sheets 1 | Revised 10/30/2018 |
| • Section 6 | Sheets 2 | Revised 10/30/2018 |
| • Section 8 | Sheets 1 | Revised 10/30/2018 |
| • Section 100 | Sheets 1 | Revised 10/30/2018 |

with the enclosed revised sheets.

Added plan sheet:

- | | | |
|---------------|----------|------------------|
| • Section 100 | Sheets 3 | Added 10/30/2018 |
|---------------|----------|------------------|

with the enclosed revised sheets.

SECTION 2

SHEET 1:

- Updated sheets numbers to include Section 100 Sheet 3

SECTION 6

SHEET 2:

- Revised Plan Note 704-P01
- Revised Plan Note 704-P02
- Added Plan Note 704-P03
- Added Plan Note 704-P04

SECTION 8

SHEET 1:

- Revised the following quantities:

Spec	Code	Description	Unit	Previous Quantity	Addendum 2 Quantity
704	1000	TRAFFIC CONTROL SIGNS	UNIT	744	1112
704	1052	TYPE III BARRICADE	EA	4	22

SECTION 100

SHEET 1:

- Revised the following quantities:

Spec	Code	Description	Unit	Previous Quantity	Addendum 2 Quantity
704	1000	TRAFFIC CONTROL SIGNS	UNIT	744	1112
704	1052	TYPE III BARRICADE	EA	4	22



SHEET 3:

- Added sheet to show the traffic control road closure layouts for closures up to two miles.

Sincerely,

KLJ

A handwritten signature in blue ink, appearing to read "Jon Markusen".

Jon Markusen
Project Engineer

Enclosure(s): Revised Plan Sheets
Project #: SC-5025(056)

BID ITEMS

Project: SC-5025(056) (PCN-21474)

Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
001	103	0100	CONTRACT BOND	L SUM	1.				
002	202	0170	REMOVAL OF CULVERTS-ALL TYPES & SIZES	LF	130.				
003	203	0138	COMMON EXCAVATION-SUBCUT	CY	2,395.				
004	216	0100	WATER	M GAL	858.				
005	230	0105	RESHAPING ROADWAY	STA	21.				
006	230	0107	RESHAPING DITCH	MILE	2.300				
007	230	0111	FORESLOPE RESHAPING	STA	1,049.				
008	230	0165	SUBGRADE PREPARATION-TYPE A-12IN	STA	545.				
009	251	0200	SEEDING CLASS II	ACRE	35.660				
010	251	2000	TEMPORARY COVER CROP	ACRE	35.660				
011	253	0101	STRAW MULCH	ACRE	71.320				
012	261	0112	FIBER ROLLS 12IN	LF	31,778.				
013	261	0113	REMOVE FIBER ROLLS 12IN	LF	15,889.				
014	350	0500	GRAVEL SURFACING	TON	37,725.				
015	702	0100	MOBILIZATION	L SUM	1.				
016	704	0100	FLAGGING	MHR	800.				

BID ITEMS

Project: SC-5025(056) (PCN-21474)

Bidder must type or neatly print unit prices in numerals, make extensions for each item, and total. Do not carry unit prices further than three (3) decimal places.

Item No.	Spec No.	Code No.	Description	Unit	Approx. Quantity	Unit Price		Amount	
						\$\$\$\$	000	\$\$\$\$	00
017	704	1000	TRAFFIC CONTROL SIGNS	UNIT	1,112.				
018	704	1052	TYPE III BARRICADE	EA	22.				
019	704	1185	PILOT CAR	HR	400.				
020	706	0500	AGGREGATE LABORATORY	EA	1.				
021	709	0151	GEOSYNTHETIC MATERIAL TYPE R1	SY	8,224.				
022	714	5041	PIPE CORR STEEL .064IN 30IN POLYMERIC COATED	LF	116.				
023	714	5056	PIPE CORR STEEL .064IN 48IN POLYMERIC COATED	LF	128.				
024	714	6580	PIPE POLYETHYLENE CORR PERF 4IN DRAIN	LF	9,507.				
025	754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	265.				
026	754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	106.				
027	754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	775.				
028	766	0100	MAILBOX-ALL TYPES	EA	5.				
			TOTAL SUM BID						

TABLE OF CONTENTS					REVISED	10/30/2018	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
							ND	SC-5025(056)	2	1
PLAN SECTIONS					LIST OF STANDARD DRAWINGS					
Section	Page(s)	Description	Number	Description						
1	1	Title Sheet	D-101-1, 2,3	NDDOT Abbreviations						
2	1	Table of Contents	D-101-10	NDDOT Utility Company and Organization Abbreviations						
4	1	Scope of Work	D-101-20, 21	Line Styles						
6	1 - 2	Plan Notes	D-101-30, 31,32	Symbols						
6	3	Environmental Notes	D-203-8	Standard Rural Approaches						
8	1	Estimate of Quantities	D-261-1	Erosion Control - Fiber Roll Placement Details						
10	1	Basis of Estimate	D-704-7	Breakaway Systems For Construction Zone Signs - Perforated Tube						
20	1	Edgedrain Detail & Subgrade Repair Detail	D-704-8	Breakaway Systems For Construction Zone Signs - U-Channel Post						
20	2	Approach Details	D-704-9	Construction Sign Details - Terminal And Guide Signs						
30	1 - 2	Typical Sections	D-704-11, 11A	Construction Sign Details - Warning Signs						
60	1 - 30	Plan & Profile	D-704-13	Barricade And Channelizing Device Details						
75	1 - 2	Wetland Impact Table	D-704-14	Construction Sign Punching And Mounting Details						
75	3 - 17	Wetland Impacts	D-704-15	Road Closure Layouts						
76	1 - 15	Temporary Erosion Control	D-704-19	Road Closure And Lane Closure On A Two Way Road Layouts						
77	1 - 15	Permanent Erosion Control	D-704-20	Terminal And Seal Coat Sign Layouts						
81	1	Survey Coordinate and Curve Data	D-704-24	Shoulder Closures And Bridge Painting Layouts						
100	1	Traffic Control Devices List	D-704-26	Miscellaneous Sign Layouts						
100	2 - 3	Traffic Control Signing Layout	D-704-30	Windrow Marking						
110	1 - 2	Sign Summary	D-704-50	Portable Sign Support Assembly						
110	3 - 14	Signing Layout	D-708-6	Erosion And Siltation Controls - Median Or Ditch Inlet Protection						
110	15 - 18	Sign Details	D-714-1	Reinforced Concrete Pipe Culverts And End Sections (Round Pipe)						
110	19	Special Assembly	D-714-4	Round Corrugated Steel Pipe Culverts And End Sections						
200	1 - 156	Cross Sections	D-714-22	Concrete Pipe Or Precast Concrete Box Culvert Ties						
			D-714-26M	Transverse Mainline Pipe Installation Detail for Multiple Pipes 4 Feet or Less Below Top of Subgrade						
			D-754-9	Letter And Arrow Details For Variable Length Signs						
			D-754-23	Perforated Tube Assembly Details						
			D-754-24, 25	Mounting Details Perforated Tube						
			D-754-24A	Breakaway Coupler System For Perforated Tubes						
			D-754-26, 27, 28,29,32,37	Sign Punching, Stringer And Support Location Details Regulatory, Warning, And Guide Signs						
			D-754-48	Sign Punching, Stringer And Support Location Details For Variable Length Signs						
			D-754-79	Chevron Installation Details						
			D-754-86	911 Sign Support Information And Sign Details						
			D-754-87	Sign Punching, Stringer And Support Location Details For Street Name Signs And 911 Signs						
			D-766-1	Mailbox Location Details						
SPECIAL PROVISIONS										
Number	Description									
SP 003(14)	Temporary Erosion and Sediment Best Management Practices									
SP 5226(14)	Permits and Environmental Considerations									
SP 714(14)	Gravel Surfacing									


<div>PLAN NOTES</div>		REVISED	10/30/18	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
				ND	SC-5025(056)	6	2
704-P01	<p>TRAFFIC CONTROL DURING WORKING AND NON-WORKING HOURS: Maintain two lanes of traffic at the posted speed limit outside the road closure limits (See Plan Note 704-P02) during working and non-working hours. Keep the work area free of all hazards. A minimum 24-foot roadway width is required to maintain two lanes of traffic. The traffic control plan requires flagging and pilot car during working hours. Remove the traffic control devices for flagging at the end of each day and reinstall when work commences.</p> <p>If a hazard exists after working hours, leave the required traffic control devices in place and provide flag persons until the hazard has been eliminated. Hazards include but are not limited to inslopes steeper than a 4:1 within the clear zone and vertical drop-offs.</p>						
704-P02	<p>TRAFFIC CONTROL FOR ROAD CLOSURE: The Contractor will be allowed to close the road in two mile increments to complete all work items within the roadway. Traffic control devices have been provided for this work. The Contractor shall use the construction signing layout on Sheet 3 Section 100 for road closure. The Contractor shall coordinate their schedule with the Engineer and the County to ensure the least amount of downtime and disruption to traffic. In the event the Contractor ceases work on the roadtop for more than five consecutive days, open the road to traffic. Any damage caused by the traffic will be repaired by the Contractor. All cost to relocate the signs shall be included in the unit price bid for “TRAFFIC CONTROL SIGNS”.</p> <p>All route marker signs, guide signs and street signs shall be temporarily displayed until they can be permanently installed. All costs for this shall be included in the Traffic Control Signs bid item.</p>						
704-P03	<p>MAINTAINING ACCESS: The Contractor will be responsible for providing continuous access to all residential dwellings and agricultural accesses along and adjacent to this project through all phases of construction. The Contractor shall develop an access control plan to be reviewed and approved by the Engineer prior to the start of construction. The Contractor will be responsible for coordinating and communicating with adjacent landowners and residents regarding access control at the site.</p>						
704-P04	<p>EXISTING SIGNS: All existing signs and posts designated to be removed and not designated to be reset shall be salvaged and delivered to the Walsh County Highway Department Shop in Park River, ND. All costs associated with salvaging and delivering the signs shall be included in the price bid for “TRAFFIC CONTROL SIGNS”</p>						
714-P01	<p>POLYMERIC COATED STEEL PIPE: Walsh County is reserving the right to allow burning in their ditches. Provided approved segments and end treatments that are non-flammable. End sections are required or all pipe. Provide 24-inch wide bands for any steel pipes and include the costs in the pipe conduit bid item. Include all costs associated for labor, materials, and equipment in the price bid for “PIPE CORR STEEL .064IN __IN POLYMERIC COATED”</p>						
714-P02	<p>PIPE POLYETHYLENE CORR PERF 4IN DRAIN (EDEGEDRAIN): Provide 4 inch diameter edgedrain pipe from Sta. 438+00 to Sta. 533+00 on project right of centerline and from Sta. 462+66 to Sta. 465+73 on centerline and project right of centerline. Enclose the pipe in a geotextile fabric sock, composed of a type D3 or D4 material. Place pipe in a trench following the edgedrain detail on Sheet 1 Section 20. Provide Class 2 aggregate material for trench backfill.</p> <p>Place the edgedrain in the shoulder parallel to the roadway at a depth of approximately 3' below the shoulder, see details on Sheet 1 Section 20. The edgedrain will have lateral blind outlets into the roadway ditches. These outlet trenches may be excavated to a maximum width of 12 inches. Furnish and install 1½ inch rock for constructing the blind outlets as shown on the details on Sheet 1 Section 20. Install discharge outlets one foot above the ditch grades whenever possible. The maximum length of pipe run will be based on the shoulder / ditch bottom separation but must not exceed 750 feet in length. Install rodent screens on the outlets of the edgedrain.</p> <p>Excess waste material to become property of the Contractor.</p> <p>Include all costs associated with the excavation, Class 2 trench backfill, compaction, lateral outlets, rodent screen, fabric sock, connections, 4IN Polyethylene Corr Perf pipe, labor, materials, and equipment in the price bid for “PIPE POLYETHYLENE CORR PERF 4IN DRAIN”.</p>						
		<div>THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY JON E. MARKUSEN REGISTRATION NUMBER PE 5453 ON 10/30/2018 AND THE ORIGINAL DOCUMENT IS STORED AT THE WALSH COUNTY HIGHWAY DEPARTMENT.</div>					
		<div>SC-5025(056)</div>					
		<div>KLJ</div>		PLAN NOTES			
		DRWN. BY ZV	CHKD. BY JD	PROJECT NO. 6317116			

ESTIMATE OF QUANTITIES

REVISED	10/30/18	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	SC-5025(056)	8	1

SPEC	CODE	BID ITEM	UNIT	MAINLINE	SUBGRADE REPAIR	DRIVES	TOTAL
103	0100	CONTRACT BOND	L SUM	1	-	-	1
202	0170	REMOVAL OF CULVERTS-ALL TYPES & SIZES	LF	130	-	-	130
203	0138	COMMON EXCAVATION-SUBCUT	CY	-	2,395	-	2,395
216	0100	WATER	M GAL	735	90	33	858
230	0105	RESHAPING ROADWAY	STA	21	-	-	21
230	0107	RESHAPING DITCH	MILE	2.3	-	-	2.3
230	0111	FORESLOPE RESHAPING	STA	1,049	-	-	1,049
230	0165	SUBGRADE PREPARATION-TYPE A-12IN	STA	545	-	-	545
251	0200	SEEDING CLASS II	ACRE	35.66	-	-	35.66
251	2000	TEMPORARY COVER CROP	ACRE	35.66	-	-	35.66
253	0101	STRAW MULCH	ACRE	71.32	-	-	71.32
261	0112	FIBER ROLLS 12IN	LF	31,778	-	-	31,778
261	0113	REMOVE FIBER ROLLS 12IN	LF	15,889	-	-	15,889
350	0500	GRAVEL SURFACING	TON	31,583	4,490	1,652	37,725
702	0100	MOBILIZATION	L SUM	1	-	-	1
704	0100	FLAGGING	MHR	800	-	-	800
704	1000	TRAFFIC CONTROL SIGNS	UNIT	1,112	-	-	1,112
704	1052	TYPE III BARRICADE	EA	22	-	-	22
704	1185	PILOT CAR	HR	400	-	-	400
706	0500	AGGREGATE LABORATORY	EA	1	-	-	1
709	0151	GEOSYNTHETIC MATERIAL TYPE R1	SY	755	7,469	-	8,224
714	5041	PIPE CORR STEEL .064IN 30IN POLYMERIC COATED	LF	116	-	-	116
714	5056	PIPE CORR STEEL .064IN 48IN POLYMERIC COATED	LF	128	-	-	128
714	6580	PIPE POLYETHYLENE CORR PERF 4IN DRAIN	LF	9,507	-	-	9,507
754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	265	-	-	265
754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	106	-	-	106
754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	775	-	-	775
766	0100	MAILBOX-ALL TYPES	EA	5	-	-	5

SC-5025(056)
WALSH COUNTY, NORTH DAKOTA



ESTIMATE OF QUANTITIES

DRWN BY
ZV

CHKD BY
JD

PROJECT NO.
6317116

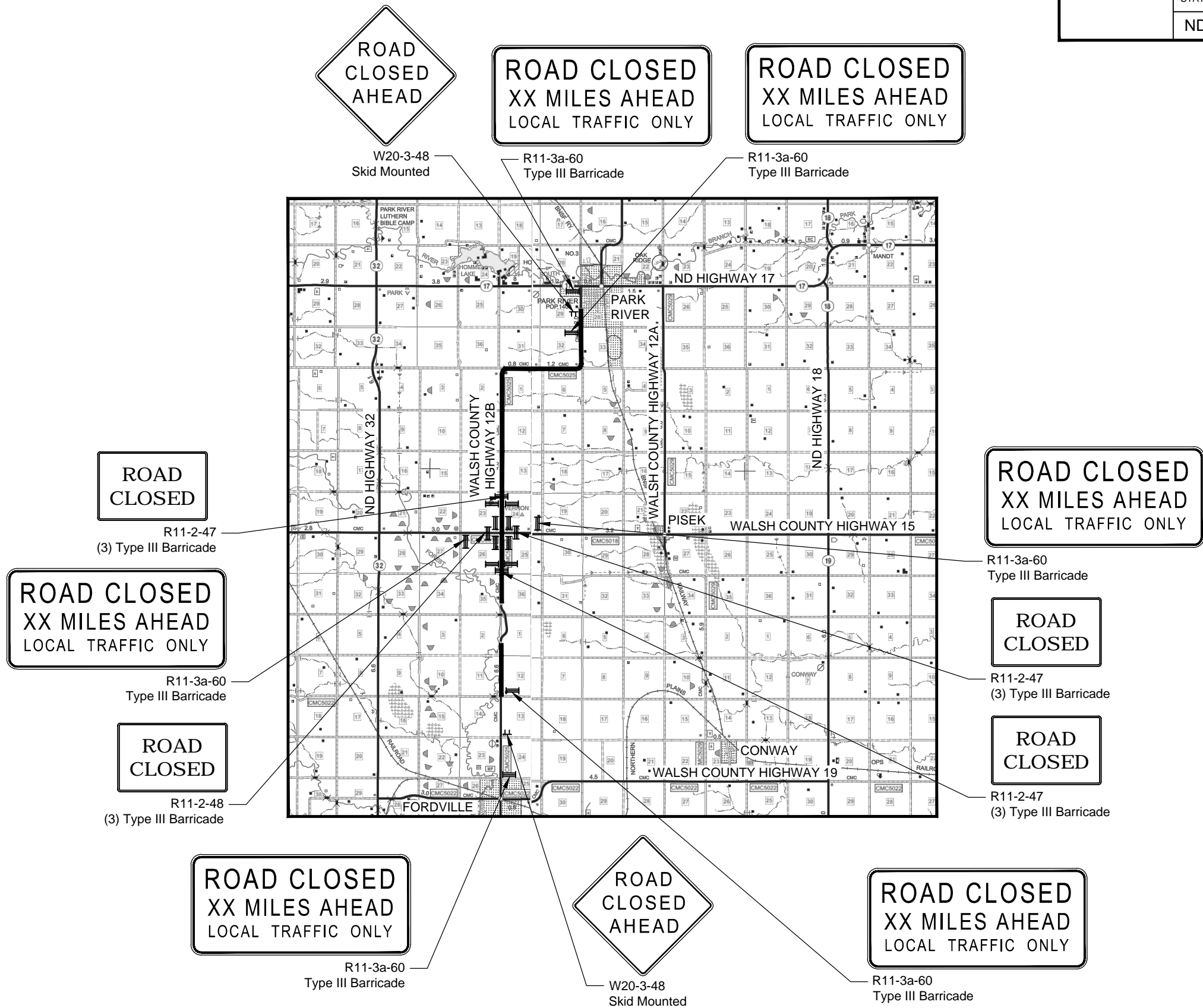
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704-1000	TRAFFIC CONTROL SIGNS	TOTAL UNITS	1112
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NOTE:
If additional signs are required, units will be calculated using the formula from Section III-19.06 of the Design Manual.
<http://www.dot.nd.gov/>

Traffic Control Devices List

ADDED	10/30/18	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	SC-5025(056)	100	3




*SIGNS SHALL BE MOVED AS WORK PROGRESS.

THE SIGN LAYOUT AS SHOWN IS FOR GENERAL INFORMATION PURPOSES ONLY. THE CONTRACTOR WILL BE REQUIRED TO CONFORM TO MUTCD AND THE STANDARD DRAWING WHEN INSTALLING THE TRAFFIC CONTROL SIGNING.

ROAD WILL BE CLOSED IN TWO MILE INCREMENTS. SIGNS WILL BE MOVED WITH THE PROGRESSION OF WORK. SEE SECTION 6 SHEET 2 NOTE 704-P02 FOR DETAILS.

THIS DOCUMENT WAS
ORIGINALLY ISSUED AND
SEALED BY
JON E. MARKUSEN
REGISTRATION NUMBER
PE 5453
ON 10/30/2018 AND THE
ORIGINAL DOCUMENT IS
STORED AT THE
WALSH COUNTY
HIGHWAY DEPARTMENT.

SC-5025(056)
WALSH COUNTY, NORTH DAKOTA



TRAFFIC CONTROL
SIGNING LAYOUT
FOR ROAD CLOSURE

DRWN. BY
ZV

CHKD BY
JD

PROJECT NO.
6317116