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

Jon Markusen

Project Engineer

Enclosure(s): Revised Plan Sheets

Project #: SC-5025(056)

North Dakota Department of Transportation

BID OPENING: November 09, 2018

BID ITEMS

Page 5 of 8 Rev: 10/31/2018

Job 008

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.

	total. Do not carry unit prices further than three (3) decimal places.										
Item	Spec	Code			Approx.	Unit Price	Amount				
No.	No.	No.	Description	Unit	Quantity	\$\$\$\$\$	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.						
800	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 OPENING: November 09, 2018

BID ITEMS

Page 6 of 8 Rev: 10/31/2018

Job 008

roject:	SC-5025(056) (PCN-21474)	
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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.

		tota	. Do not carry unit prices further than three (3) de	ecimal	places.				
Item	Spec	Code			Approx.	Unit Price		Amount	
No.	No.	INO.	Description	Unit	Quantity	\$\$\$\$\$	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						

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REVISED	10/30/2018	STATE PROJECT NO.		SECTION NO.	SHEET NO.
		ND	SC-5025(056)	2	1

PLAN SECTIONS

		PLAN SECTIONS
Section	Page(s)	Description
1	1	Title Sheet
2	1	Table of Contents
4	1	Scope of Work
6	1 - 2	Plan Notes
6	3	Environmental Notes
8	1	Estimate of Quantities
10	1	Basis of Estimate
20	1	Edgedrain Detail & Subgrade Repair Detail
20	2	Approach Details
30	1 - 2	Typical Sections
60	1 - 30	Plan & Profile
75	1 - 2	Wetland Impact Table
75	3 - 17	Wetland Impacts
76	1 - 15	Temporary Erosion Control
77	1 - 15	Permanent Erosion Control
81	1	Survey Coordinate and Curve Data
100	1	Traffic Control Devices List
100	2 - 3	Traffic Control Signing Layout
110	1 - 2	Sign Summary
110	3 - 14	Signing Layout
110	15 - 18	Sign Details
110	19	Special Assembly
200	1 - 156	Cross Sections
Number	Descrip	SPECIAL PROVISIONS
SP 003(14)	•	ary Erosion and Sediment Best Management Practices
SP 5226(14) Permits	and Environmental Considerations

LIST OF STANDARD DRA	WINGS
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Number	Description
D-101-1, 2,3	NDDOT Abbreviations
D-101-10	NDDOT Utility Company and Organization Abbreviations
D-101-20, 21	Line Styles
D-101-30, 31,32	Symbols
D-203-8	Standard Rural Approaches
D-261-1	Erosion Control - Fiber Roll Placement Details
D-704-7	Breakaway Systems For Construction Zone Signs - Perforated Tube
D-704-8	Breakaway Systems For Construction Zone Signs - U-Channel Post
D-704-9	Construction Sign Details - Terminal And Guide Signs
D-704-11, 11A	Construction Sign Details - Warning Signs
D-704-13	Barricade And Channelizing Device Details
D-704-14	Construction Sign Punching And Mounting Details
D-704-15	Road Closure Layouts
D-704-19	Road Closure And Lane Closure On A Two Way Road Layouts
D-704-20	Terminal And Seal Coat Sign Layouts
D-704-24	Shoulder Closures And Bridge Painting Layouts
D-704-26	Miscellaneous Sign 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-714-1	Reinforced Concrete Pipe Culverts And End Sections (Round Pipe)
D-714-4	Round Corrugated Steel Pipe Culverts And End 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

SP 714(14) Gravel Surfacing

PLAN NOTES

REVISED	/ISED 10/30/18 STATE		PROJECT NO.	SECTION NO.	SHEET NO.
		ND	SC-5025(056)	6	2

704-P01

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.

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.

704-P02

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".

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.

704-P03

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.

704-P04

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"

714-P01

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"

714-P02

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.

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 11/2 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.

Excess waste material to become property of the Contractor.

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".

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.

PLAN NOTES

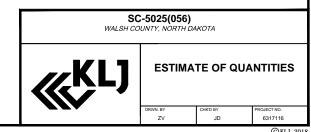
CHKD. BY JD

SC-5025(056)

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

ESTIMATE OF QUANTITIES

SPEC	CODE	BID ITEM	UNIT	MAINLINE	SUBGRADE REPAIR	DRIVES	TOTAL
103	0100	CONTRACT BOND	LSUM	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	LSUM	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 TYPE\$	EA	5	-	-	5



Revised 10/30/2018

ND	SC-5025(056)	100	1
OIAIL	TROSECTIVO.	NO.	NO.
STATE	PROJECT NO.	SECTION	SHEET

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
D3-36 G20-1-60	36"x6"	STREET NAME SIGN (Sign and installation only)		6	00
G20-1-60 G20-1b-60	60"x24" 60"x24"	ROAD WORK NEXT MILES WORK IN PROGRESS/ NO WORK IN PROGRESS (Sign and installation only)	2	34 26	68
G20-15-00 G20-2-48	48"x24"	END ROAD WORK	2	19	38
G20-4-36	36"x18"	PILOT CAR FOLLOW ME (Mounted to back of pilot car)		18	
G20-10-108	108"x48"	CONTRACTOR SIGN		64	
G20-50a-72	72"x36"	ROAD WORK NEXT MILES RT & LT ARROWS	2	37	74
G20-52a-72 G20-55-96	72"x24" 96"x48"	ROAD WORK NEXT MILES RT or LT ARROW SPEED LIMIT ENFORCED - MINIMUM FEE \$80 WHEN WORKERS PRESENT		30 59	
M1-1-36	36"x36"	INTERSTATE ROUTE MARKER (Post and installation only)		10	
M1-4-24	24"x24"	U.S. ROUTE MARKER (Post and installation only)		10	
M1-5-24	24"x24"	STATE ROUTE MARKER (Post and installation only)		10	
M3-1-24	24"x12"	NORTH (Mounted on route marker post)		7	
M3-2-24 M3-3-24	24"x12" 24"x12"	EAST (Mounted on route marker post)		7	
M3-4-24	24 X12 24"x12"	SOUTH (Mounted on route marker post) WEST (Mounted on route marker post)		7	
M4-8-24	24"x12"	DETOUR (Mounted on route marker post)		7	
M4-9-30	30"x24"	DETOUR ARROW RIGHT or LEFT/AHD AND RT or LT		15	
M4-10-48	48"x18"	DETOUR ARROW RIGHT or LEFT		23	
M5-1-21	21"x15"	ARROW AHD AND RT or LT(Mounted on route marker post)		7	
M5-2-21	21"x15"	ARROW AHD UP & RT or LT (Mounted on route marker post)		7	
M6-1-21 M6-2-21	21"x15" 21"x15"	ARROW RT or LT (Mounted on route marker post) ARROW UP & RT or LT (Mounted on route marker post)		7	
M6-3-21	21"x15"	ARROW AHD (Mounted on route marker post)		7	
R1-1-48	48"x48"	STOP		32	
R1-1a-18	18"x18"	STOP and SLOW PADDLE Back to Back	2	5	10
R1-2-60	60"x60"	YIELD		29	
R2-1-48	48"x60"	SPEED LIMIT	4	39	156
R2-1a-24	24"x18"	MINIMUM FEE \$80 (Mounted on Speed Limit post)		10	
R3-7-48	48"x48" 48"x60"	LEFT or RIGHT LANE MUST TURN LEFT or RIGHT DO NOT PASS		35	
R4-1-48 R4-7-48	48"x60"	KEEP RIGHT SYMBOL		39 39	
R5-1-48	48"x48"	DO NOT ENTER		35	
R6-1-36	36"x12"	ONE WAY RIGHT or LEFT		13	
R7-1-12	12"x18"	NO PARKING		11	
R10-6-24	24"x36"	STOP HERE ON RED		16	
R11-2-48	48"x30"	ROAD CLOSED	4	28	112
R11-2a-48	48"x30" 60"x30"	STREET CLOSED ROAD CLOSED MILES AHEAD LOCAL TRAFFIC ONLY	-	28 31	400
R11-3a-60 R11-3c-60	60"x30"	STREET CLOSED MILES AHEAD LOCAL TRAFFIC ONLY	6	31	186
R11-4a-60	60"x30"	STREET CLOSED TO THRU TRAFFIC		31	
W1-3-48	48"x48"	RIGHT or LEFT SHARP REVERSE CURVE ARROW		35	
W1-4-48	48"x48"	RIGHT or LEFT REVERSE CURVE ARROW		35	
W1-4b-48	48"x48"	DOUBLE RIGHT or LEFT REVERSE CURVE ARROW		35	
W1-6-48	48"x24"	LARGE ARROW		26	
W3-1-48 W3-3-48	48"x48" 48"x48"	STOP AHEAD SYMBOL SIGNAL AHEAD SYMBOL		35 35	
W3-4-48	48"x48"	BE PREPARED TO STOP	2	35 35	70
W3-5-48	48"x48"	SPEED REDUCTION AHEAD	2	35	70
W4-2-48	48"x48"	RIGHT or LEFT LANE TRANSITION SYMBOL		35	
W5-1-48	48"x48"	ROAD NARROWS		35	
W5-8-48	48"x48"	THRU TRAFFIC RIGHT LANE		35	
W5-9-48	48"x48"	ROAD WORK TRAFFIC ONLY DOWN & LT or RT ARROW		35	
W6-3-48	48"x48" 48"x48"	TWO WAY TRAFFIC SYMBOL BUMP		35	
W8-1-48 W8-3-48	48"x48" 48"x48"	PAVEMENT ENDS		35 35	
W8-7-48	48"x48"	LOOSE GRAVEL		35	
W8-9a-48	48"x48"	SHOULDER DROP-OFF	2	35	70
W8-11-48	48"x48"	UNEVEN LANES		35	_
W8-12-48	48"x48"	NO CENTER STRIPE		35	
W8-53-48	48"x48"	TRUCKS ENTERING HIGHWAY		35	
W8-54-48 W8-55-48	48"x48" 48"x48"	TRUCKS ENTERING AHEAD or FT. TRUCKS CROSSING AHEAD or FT.		35 35	
W8-56-48	48"x48"	TRUCKS EXITING HIGHWAY		35	
W9-3a-48	48"x48"	CENTER LANE CLOSED SYMBOL		35	
W12-2-48	48"x48"	LOW CLEARANCE SYMBOL		35	
W13-1-24	24"x24"	MPH ADVISORY SPEED PLATE (Mounted on warning sign post)		11	<u> </u>
W13-4-48	48"x60"	RAMP ARROW		39	
W14-3-48 W20-1-48	48"x36" 48"x48"	NO PASSING ZONE ROAD WORK AHEAD or _FT or _ MILE	2	23 35	70
W20-1-48 W20-2-48	48"x48" 48"x48"	DETOUR AHEAD or FT	Z	35 35	70
W20-2-46	48"x48"	ROAD or STREET CLOSED AHEAD or FT.	2	35 35	70
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or FT.		35	
W20-5-48	48"x48"	RIGHT or LEFT LANE CLOSED AHEAD or FT.		35	
W20-7a-48	48"x48"	FLAGGING SYMBOL	2	35	70
W20-7k-24	24"x18"	FEET (Mounted on warning sign post)		10	
W20-8-48	48"x48"	STREET CLOSED		35	
W20-51-48 W20-52-54	48"x48"	EQUIPMENT WORKING NEXT MILES (Mounted on warning sign post)	4	35 12	40
W20-52-54 W21-1a-48	54"x12" 48"x48"	WORKERS SYMBOL	4	12 35	48
	48"x48"	FRESH OIL		35	
W21-2-48					

SIGN NUMBER	SIGN SIZE	DESCRIPTION	AMOUNT REQUIRED	UNITS PER AMOUNT	UNITS SUB TOTAL
W21-5-48	48"x48"	SHOULDER WORK		35	
W21-5a-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED		35	
W21-5b-48	48"x48"	RIGHT or LEFT SHOULDER CLOSED AHEAD or FT.		35	
W21-6a-48	48"x48"	SURVEY CREW AHEAD		35	
N 21-50-48	48"x48"	BRIDGE PAINTING AHEAD or FT.		35	
N21-51-48	48"x48"	MATERIAL ON ROADWAY		35	
W22-8-48	48"x48"	FRESH OIL LOOSE ROCK		35	
	24"x24"	TAKE TURNS (6" D letters) (Mounted on stop sign post)		11	
	1				

SPECIAL SIG	iNS		
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SPEC & CODE

704-1000 TRAFFIC CONTROL SIGNS TOTAL UNITS

SPEC & CODE	DESCRIPTION	UNIT	QUANTITY
704-0100	FLAGGING	MHR	800
704-1041	ATTENUATION DEVICE-TYPE B-55	EACH	
704-1043	ATTENUATION DEVICE-TYPE B-65	EACH	
704-1044	ATTENUATION DEVICE-TYPE B-70	EACH	
704-1050	TYPE I BARRICADES	EACH	
704-1051	TYPE II BARRICADES	EACH	
704-1052	TYPE III BARRICADES	EACH	22
704-1060	DELINEATOR DRUMS	EACH	
704-1065	TRAFFIC CONES	EACH	
704-1067	TUBULAR MARKERS	EACH	
704-1070	DELINEATOR	EACH	
704-1072	FLEXIBLE DELINEATORS	EACH	
704-1081	VERTICAL PANELS - BACK TO BACK	EACH	
704-1085	SEQUENCING ARROW PANEL - TYPE A	EACH	
704-1086	SEQUENCING ARROW PANEL - TYPE B	EACH	
704-1087	SEQUENCING ARROW PANEL - TYPE C	EACH	
704-1088	SEQUENCING ARROW PANEL - TYPE C - CROSSOVER	EACH	
704-1095	TYPE B FLASHERS	EACH	
704-1185	PILOT CAR	HR	400
704-1500	OBLITERATION OF PVMT MK	SF	
704-3501	PORTABLE PRECAST CONCRETE MED BARRIER	LF	
704-3510	PRECAST CONCRETE MED BARRIER - STATE FURNISHED	EACH	
762-0200	RAISED PAVEMENT MARKERS	EACH	
762-0420	SHORT TERM 4IN LINE - TYPE R	LF	
762-0430	SHORT TERM 4IN LINE - TYPE NR	LF	
772-2110	FLASHING BEACON - POST MOUNTED	EACH	

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/

This document was originally issued and sealed by Jon E. Markusen, Registration Number PE-5453, on 10/30/18 and the original document is stored at the Walsh County Highway Department.

Traffic Control Devices List

