



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

January 28, 2016

ADDENDUM 1 – JOB 2

TO: All prospective bidders on project NH-1-200(069)924, Job No. 2 scheduled for the February 5, 2016 bid opening.

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

Plan Revisions:

Remove and replace sheets 2-1, 8-1, 100-1, 100-2, 170-1, 170-4, 170-10 and 170-11 with the enclosed sheets revised 1/25/16 or 1/27/16.

Add sheets 8-2, 170-4B and 170-11B

Sheet 2-1:

Revised table of contents for added sheets.

Sheet 8-1 and 8-2:

Item 650 0720 CLASS 1 REMOVAL; 6924 SY was deleted.

Item 650 0721 CLASS 2 REMOVAL; 1624 SY was deleted.

Item 650 0722 CLASS 2-A REMOVAL; 2924 LF was deleted.

Item 650 0723 CLASS 3 REMOVAL; 413 SY was deleted.

Item 650 0724 CLASS 4 REMOVAL; 40 SY was deleted.

Item 704 1000 TRAFFIC CONTROL SIGNS; quantity increased from 862 to 881 UNIT.

Item 704 1052 TYPE III BARRICADE; quantity increased from 10 to 13 EA.

Add Alternate A

Item 650 0720 CLASS 1 REMOVAL; 5968 SY was added.

Item 650 0721 CLASS 2 REMOVAL; 1194 SY was added.

Item 650 0722 CLASS 2-A REMOVAL; 2150 LF was added.

Item 650 0723 CLASS 3 REMOVAL; 298 SY was added.

Item 650 0724 CLASS 4 REMOVAL; 30 SY was added.

Add Alternate B

Item 650 0710 CLASS 1-H REMOVAL; 5968 SY was added.

Item 650 0711 CLASS 2-H REMOVAL; 300 SY was added.

Item 650 0712 CLASS 3-H REMOVAL; 30 SY was added.

Add Alternate C

Item 650 0720 CLASS 1 REMOVAL; 956 SY was added.

Item 650 0721 CLASS 2 REMOVAL; 430 SY was added.

Item 650 0722 CLASS 2-A REMOVAL; 774 LF was added.
Item 650 0723 CLASS 3 REMOVAL; 115 SY was added.
Item 650 0724 CLASS 4 REMOVAL; 10 SY was added.

Add Alternate D
Item 650 0710 CLASS 1-H REMOVAL; 956 SY was added.
Item 650 0711 CLASS 2-H REMOVAL; 95 SY was added.
Item 650 0712 CLASS 3-H REMOVAL; 10 SY was added.

Sheet 100-1 and 100-2:
Revised traffic control.

Sheet 170-1:
Added hydrodemolition alternative.

Sheet 170-4:
Changed page number to 4A. Revised title block to say Alternative A – Mechanical Demolition.

Sheet 170-4B:
Added sheet for Alternative B – Hydrodemolition

Sheet 170-10:
Added hydrodemolition alternative.

Sheet 170-11:
Changed page number to 11A. Revised title block to say Alternative C – Mechanical Demolition.

Sheet 170-11B:
Added sheet for Alternative D – Hydrodemolition

Request for Proposal Revisions:

Remove and replace pages 1-11 with pages 1-12 of 12 of the Proposal pages located at the beginning of the Request for Proposal, with the enclosed pages revised 1/28/2016.

Page 1-12:
Page numbers revised.

Page 7 of 12:
Item 650 0720 CLASS 1 REMOVAL; 6924 SY was deleted.
Item 650 0721 CLASS 2 REMOVAL; 1624 SY was deleted.
Item 650 0722 CLASS 2-A REMOVAL; 2924 LF was deleted.
Item 650 0723 CLASS 3 REMOVAL; 413 SY was deleted.

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Item 704 1000 TRAFFIC CONTROL SIGNS; quantity increased from 862 to 881 UNIT.
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Page 8-10 of 12:

Add Alternate A

Item 650 0720 CLASS 1 REMOVAL; 5968 SY was added.
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Item 650 0722 CLASS 2-A REMOVAL; 2150 LF was added.
Item 650 0723 CLASS 3 REMOVAL; 298 SY was added.
Item 650 0724 CLASS 4 REMOVAL; 30 SY was added.

Add Alternate B

Item 650 0710 CLASS 1-H REMOVAL; 5968 SY was added.
Item 650 0711 CLASS 2-H REMOVAL; 300 SY was added.
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Item 650 0722 CLASS 2-A REMOVAL; 774 LF was added.
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Item 650 0724 CLASS 4 REMOVAL; 10 SY was added.

Add Alternate D

Item 650 0710 CLASS 1-H REMOVAL; 956 SY was added.
Item 650 0711 CLASS 2-H REMOVAL; 95 SY was added.
Item 650 0712 CLASS 3-H REMOVAL; 10 SY was added.

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

Expedite bid files should be updated by downloading the addendum file from the Bid Express on-line bidding exchange at <http://www.bidx.com/> or the Department's web page (<http://www.dot.nd.gov>) and load it into the Expedite program.

Fal


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

Project: NH-1-200(069)924 (PCN-21110)

The company, firm, corporation, or individual hereby acknowledges that it has designated a responsible person or persons as having the authority to obligate the company, firm, or individual, through electronic or paper submittal, to the terms and conditions described herein and in the contract documents. The designated responsible person submitting this proposal shall be hereafter known as the bidder. By submitting this proposal, the bidder fully accepts and agrees to all the provisions of the proposal. The bidder also certifies that the information given in this proposal is true and the certifications made in this proposal are correct.

The bidder acknowledges that they have thoroughly examined the plans, proposal form, specifications, supplemental specifications, special provisions and agrees that they constitute essential parts of this proposal.

The bidder acknowledges that all line items which contain a quantity shall have a unit price bid. Any line item which is bid lump sum shall contain a lump sum bid price.

The bidder acknowledges that they understand that the quantities of work required by the plans and specifications are approximate only and are subject to increases and decreases; the bidder understands that all quantities of work actually required must be performed and that payment therefore shall be at the prices stipulated herein; that the bidder proposes to timely furnish the specified materials in the quantities required and to furnish the machinery, equipment, labor and expertise necessary to competently complete the proposed work in the time specified.

NON-COLLUSION AND DEBARMENT CERTIFICATION

The bidder certifies that neither he/she, nor any official, agent or employee of the bidder has entered into any agreement, participated in any collusion, or otherwise taken any action which is in restraint of free competitive bidding in connection with this bid.

By submitting this proposal, the bidder certifies to the best of his/her knowledge and belief that he/she and his/her principles:

- a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal Department or agency;
- b. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or perform a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records; making false statements; or receiving stolen property

Project: NH-1-200(069)924 (PCN-21110)

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- c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph b. of the certification; and
 - d. Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or Local) terminated for cause or default

Where the prospective bidder is unable to certify to any of the statements in this certification, the bidder shall submit an explanation in the blanks provided herein. The explanation will not necessarily result in denial of participation in a contract:

Explanation: _____

If the prequalified bidder's status changes, he/she shall immediately submit a new fully executed non-collusion affidavit and debarment certification with an explanation of the change to the Contract Office prior to submitting the bid.

Failure to furnish a certification or an explanation will be grounds for rejection of a bid.

BID LIMITATION (Optional)

The bidder who desires to bid on more than one project on which bids are to be opened on the same date, and who also desires to avoid receiving an award of more projects than the bidder is equipped to handle, may bid on multiple projects and limit the total amount of work awarded to the bidder on selected projects by completing the "Bid Limitation".

The Bid Limitation must be filled in on each proposal form for which the Bidder desires protection. Each such proposal must be covered by a proposal guaranty.

The bid limitation can be made by declaring the total dollar value of work OR total number of projects a bidder is willing to perform.

The Bidder desires to disqualify all of his/her bids on this bid opening that exceed a total dollar value of \$ _____

OR

that exceed a total number of _____ projects.

The Bidder hereby authorizes the Department to determine which bids shall be disqualified.

Project: NH-1-200(069)924 (PCN-21110)

PERMISSIBLE DISCOUNT (optional)

Only when invited to do so in the Request for Proposal by Special Provision, Bidders are permitted to offer a discount on a specific project (discount project) if they are awarded the contract on one or more additional projects bid at the same bid opening time and date. The bidder must present the proposal so that it can be considered with or without the discount. The bid or discount offered on the "discount project" will not affect the determination of the low bid of any other project.

When discounts are offered, they must be presented as a reduction in the unit price for one or more items of work in the specified proposal (discount project).

Space for Offering Discounts:

Item No: _____

Description: _____

Unit: _____

Proposal Quantity: _____ Unit Price Reduction: \$ _____ Discount: \$ _____

Item No: _____

Description: _____

Unit: _____

Proposal Quantity: _____ Unit Price Reduction: \$ _____ Discount: \$ _____

Item No: _____

Description: _____

Unit: _____

Proposal Quantity: _____ Unit Price Reduction: \$ _____ Discount: \$ _____

TOTAL DISCOUNT _____

It is understood that the discount will only apply if awarded under the conditions as listed above and signed by the bidder.

Project: NH-1-200(069)924 (PCN-21110)

RECEIPT OF ADDENDA ACKNOWLEDGEMENT

We hereby acknowledge receipt of the following addenda:

Addendum # _____ Dated _____

PROPOSAL GUARANTY

A proposal guaranty is required. The proposal guaranty must comply with Section 102.09, "Proposal Guarantee" of the Standard Specifications.

TYPE OF PROPOSAL GUARANTY APPLIED TO THIS PROJECT (Check one):

_____ Annual Bid Bond*

_____ Single Project Bid Bond

_____ Certified or Cashier's Check

*Annual Bid Bond is required when submitting proposals electronically

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION(RN)
North Dakota Department of Transportation, Civil Rights Division
 SFN 52012 (Rev. 07-2012)

FORM A

Contractor		Phone
Job No.	Project No.	Bid Opening Date

By noon (Central time) on the next work day following the bid opening, all apparent low bidders must provide a list of the DBE firms intended for use on this project to the NDDOT Civil Rights Division. The information provided may be submitted on this Form A or on a computer-generated form, giving the same information, attached to this Form A. If the prime contractor intends to use DBE quotes received from a subcontractor, the prime contractor **must** include the subcontractor's Form A information in the prime contractor's Form A.

PRINT ALL NUMBERS CLEARLY AND LEGIBLY.

1. For each DBE firm, list the specific bid item numbers to be performed and the total dollar value of the contract:
 - a. If the DBE firm will perform only a portion of a bid item (supply, haul, etc.), this **must** be so noted, in parenthesis, after the bid item number. **The bidder must state why the DBE was not used for the entire bid item.**
 - b. For DBE subcontractors, suppliers (regular dealers), and manufacturers, **list only the amount of work to be completed with each DBE's own employees and equipment.**
 - c. For DBE trucking firms, **list the amount of hauling to be performed by the DBE with its own trucks and employees;** or the fees or commissions earned on non-DBE leased trucks. However, if the DBE is leasing trucks from a non-DBE firm, including an owner-operator, you can count the total value of the services provided by the non-DBE, not to exceed the total value of the services provided by the DBE-owned trucks. (See page 9, number 4, of this special provision for more detailed information.)
2. DBE prime contractors **must** list the work they will perform with their **own forces** and any work subcontracted to or materials purchased from other DBEs.
3. If the information provided on Form C **differs** from the information provided on this Form A (bid item numbers, quantities, or dollar amounts), the apparent low bidder or subcontractor **must** provide, with the Form C, a written explanation for the difference.
4. The apparent low bidder or subcontractor **must** use the DBEs listed for the intended work indicated on Form C.
5. DBE bidders **must** list the work they will perform with their **own employees and equipment** and any work subcontracted to or materials purchased from other DBEs.

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied		Total Contract Dollar Value \$
Percent DBE will do with own equipment/forces =	%	If Regular Dealer, X 60% = \$
Percent Non-DBE will do (trucking only) =	%	

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied		Total Contract Dollar Value \$
Percent DBE will do with own equipment/forces =	%	If Regular Dealer, X 60% = \$
Percent Non-DBE will do (trucking only) =	%	

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied		Total Contract Dollar Value \$
Percent DBE will do with own equipment/forces =	%	If Regular Dealer, X 60% = \$
Percent Non-DBE will do (trucking only) =	%	

FORM A (continued)

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied	Total Contract Dollar Value \$	
Percent DBE will do with own equipment/forces = %	If Regular Dealer, X 60% = \$	
Percent Non-DBE will do (trucking only) = %		

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied	Total Contract Dollar Value \$	
Percent DBE will do with own equipment/forces = %	If Regular Dealer, X 60% = \$	
Percent Non-DBE will do (trucking only) = %		

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied	Total Contract Dollar Value \$	
Percent DBE will do with own equipment/forces = %	If Regular Dealer, X 60% = \$	
Percent Non-DBE will do (trucking only) = %		

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied	Total Contract Dollar Value \$	
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Percent Non-DBE will do (trucking only) = %		

DBE Firm		
List Specific Bid Item Numbers or Products to be Supplied	Total Contract Dollar Value \$	
Percent DBE will do with own equipment/forces = %	If Regular Dealer, X 60% = \$	
Percent Non-DBE will do (trucking only) = %		

Use additional pages, following the same format, if necessary.

The NDDOT DBE Liaison Officer can be contacted at: CIVIL RIGHTS DIVISION
 ND DEPARTMENT OF TRANSPORTATION
 608 E BOULEVARD AVE
 BISMARCK ND 58505-0700

dlaub@nd.gov
 phone (701) 328-2576
 fax (701) 328-1965, (701) 328-0343

BID ITEMS

Project: NH-1-200(069)924 (PCN-21110)

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	0111	REMOVAL OF CONCRETE	L SUM	1.				
003	203	0140	BORROW-EXCAVATION	CY	320.				
004	210	0201	FOUNDATION PREPARATION	EA	1.				
005	256	0100	RIPRAP GRADE I	CY	275.				
006	256	0200	RIPRAP GRADE II	CY	15.				
007	602	0130	CLASS AAE-3 CONCRETE	CY	9.800				
008	616	5890	STRUCTURAL STEEL	L SUM	1.				
009	650	0704	OVERLAY CONCRETE	CY	379.300				
010	702	0100	MOBILIZATION	L SUM	1.				
011	704	0100	FLAGGING	MHR	200.				
012	704	1000	TRAFFIC CONTROL SIGNS	UNIT	881.				
013	704	1018	LANE CLOSURE-SIGNAL CONTROL/FLAGGING CONTROL	EA	1.				
014	704	1039	ATTENUATION DEVICE-TYPE B-45	EA	2.				
015	704	1043	ATTENUATION DEVICE-TYPE B-65	EA	2.				
016	704	1052	TYPE III BARRICADE	EA	13.				

BID ITEMS

Project: NH-1-200(069)924 (PCN-21110)

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	1060	DELINEATOR DRUMS	EA	20.				
018	704	1067	TUBULAR MARKERS	EA	25.				
019	704	1500	OBLITERATION OF PAVEMENT MARKING	SF	150.				
020	704	3510	PRECAST CONCRETE MED BARRIER-STATE FURNISHED	EA	172.				
021	708	1095	FLUME CONCRETE	LF	65.				
022	709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	575.				
023	752	0660	FENCE CHAIN LINK REMOVE & RESET	LF	100.				
024	762	0420	SHORT TERM 4IN LINE-TYPE R	LF	7,800.				
025	762	0426	SHORT TERM 24IN LINE-TYPE R	LF	24.				
026	762	1104	PVMT MK PAINTED 4IN LINE	LF	4,535.				
027	930	9667	CONCRETE POST REPAIR	EA	1.				
028	950	9712	JOINT TREATMENT	LF	147.				
			SUBTOTAL						
ALTERNATE A									
029	650	0720	CLASS 1 REMOVAL	SY	5,968.				

BID ITEMS

Project: NH-1-200(069)924 (PCN-21110)

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
030	650	0721	CLASS 2 REMOVAL	SY	1,194.				
031	650	0722	CLASS 2-A REMOVAL	LF	2,150.				
032	650	0723	CLASS 3 REMOVAL	SY	298.				
033	650	0724	CLASS 4 REMOVAL	SY	30.				
			SUBTOTAL ALTERNATE A						
			ALTERNATE B						
034	650	0710	CLASS 1-H REMOVAL	SY	5,968.				
035	650	0711	CLASS 2-H REMOVAL	SY	300.				
036	650	0712	CLASS 3-H REMOVAL	SY	30.				
			SUBTOTAL ALTERNATE B						
			ALTERNATE C						
037	650	0720	CLASS 1 REMOVAL	SY	956.				
038	650	0721	CLASS 2 REMOVAL	SY	430.				
039	650	0722	CLASS 2-A REMOVAL	LF	774.				

BID ITEMS

Project: NH-1-200(069)924 (PCN-21110)

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
040	650	0723	CLASS 3 REMOVAL	SY	115.				
041	650	0724	CLASS 4 REMOVAL	SY	10.				
			SUBTOTAL ALTERNATE C						
			ALTERNATE D						
042	650	0710	CLASS 1-H REMOVAL	SY	956.				
043	650	0711	CLASS 2-H REMOVAL	SY	95.				
044	650	0712	CLASS 3-H REMOVAL	SY	10.				
			SUBTOTAL ALTERNATE D						
			SUBTOTAL + SUBTOTALS ALT A & ALT C						
			SUBTOTAL + SUBTOTALS ALT A & ALT D						
			SUBTOTAL + SUBTOTALS ALT B & ALT C						
			SUBTOTAL + SUBTOTALS ALT B & ALT D						

Project: NH-1-200(069)924 (PCN-21110)

Type of Work: BRIDGE DECK OVERLAY, NEW DECK DRAINS, AND EROSION REPAIR

Counties: MCLEAN and OLIVER

Length: 1.0000 Miles

TIME FOR COMPLETION:

The undersigned Bidder agrees, if awarded the contract, to prosecute the work with sufficient forces and equipment to complete the contract work within the allowable time specified as follows:

WORKING DAY CONTRACT: NA working days are provided. The Department will begin charging working days beginning NA or the date work begins on the project site, whichever is earlier.

CALENDAR DAY CONTRACT: NA calendar days are provided. The completion date will be determined by adding NA calendar days to NA or the date work begins on the project site, whichever is earlier.

COMPLETION DATE CONTRACT The project completion date is NA. The Department provides a minimum of NA working days. The Department will begin charging working days beginning NA or the date work begins on the project site, whichever is earlier.

THE BRIDGE DECK OVERLAYS SHALL BE COMPLETED BY SEPTEMBER 15, 2016. FAILURE TO COMPLETE THE BRIDGE DECK OVERLAYS BY SEPTEMBER 15, 2016 SHALL BE CHARGED AT A RATE OF \$1,600 PER CALENDAR DAY UNTIL COMPLETED. ALL REMAINING WORK SHALL BE COMPLETED BY OCTOBER 8, 2016. LIQUIDATED DAMAGES FOR FAILURE TO COMPLETE ALL WORK BY OCTOBER 8, 2016 SHALL BE CHARGED IN ACCORDANCE WITH SECTION 108.07B OF THE STANDARD SPECIFICATIONS.

TABLE OF CONTENTS

REVISED 1/27/2016	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	NH-1-200(069)924	2	1

PLAN SECTIONS

Section	Page(s)	Description
1	1	Title Sheet
2	1	Table of Contents
6	1	Notes
6	2	Environmental Commitments
8	1 - 2	Estimate of Quantities
10	1	Basis of Estimate
100	1	Traffic Control Devices List
100	2	Work Zone Traffic Control
170	1 - 12	Structure Details

LIST OF STANDARD DRAWINGS

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-704-1	Attenuation Device
D-704-5	Construction Sign Detail
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-704-10	Construction Sign Details - Regulatory Signs
D-704-11	Construction Sign Details - Warning Signs
D-704-13	Barricade and Channelizing Device Details
D-704-14	Construction Sign Punching and Mounting Details
D-704-16	Lane Closure on a Two Lane Road Using Traffic Control Signals
D-704-17	Sign Layout for One Lane Closure Two Lane Roadway
D-704-22	Construction Truck and Temporary Detour Layouts
D-704-27	Traffic Control Plan for Moving Operations
D-704-50	Portable Sign Support Assembly
D-704-51	Portable Precast Concrete Median Barrier (Temporary Usage)
D-752-2	Chain Link Fence
D-762-4	Pavement Marking
D-762-6	Short-Term Pavement Marking
D-772-6	Span Wire Mounted Traffic Signals

SPECIAL PROVISIONS

Number	Description
SP 4(14)	Federal Migratory Bird Treaty Act
SP 246(14)	Painting over Galvanized Steel

ESTIMATE OF QUANTITIES

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-1-200(069)924	8	1
REVISED 01/27/2016			

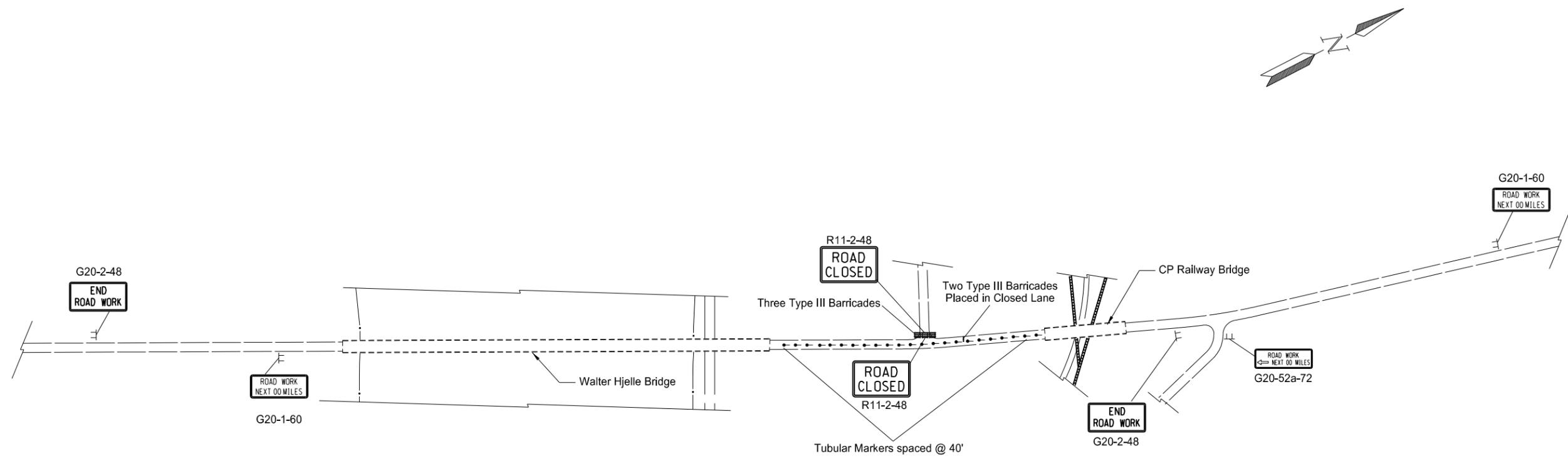
SPEC CODE	ITEM DESCRIPTION	UNIT	MAINLINE	TOTAL
-----	-----	-----	-----	-----
103	0100 CONTRACT BOND	L SUM	1	1
202	0111 REMOVAL OF CONCRETE	L SUM	1	1
203	0140 BORROW-EXCAVATION	CY	320	320
210	0201 FOUNDATION PREPARATION	EA	1	1
256	0100 RIPRAP GRADE I	CY	275	275
256	0200 RIPRAP GRADE II	CY	15	15
602	0130 CLASS AAE-3 CONCRETE	CY	9.8	9.8
616	5890 STRUCTURAL STEEL	L SUM	1	1
650	0704 OVERLAY CONCRETE	CY	379.3	379.3
702	0100 MOBILIZATION	L SUM	1	1
704	0100 FLAGGING	MHR	200	200
704	1000 TRAFFIC CONTROL SIGNS	UNIT	881	881
704	1018 LANE CLOSURE-SIGNAL CONTROL/FLAGGING CONTROL	EA	1	1
704	1039 ATTENUATION DEVICE-TYPE B-45	EA	2	2
704	1043 ATTENUATION DEVICE-TYPE B-65	EA	2	2
704	1052 TYPE III BARRICADE	EA	13	13
704	1060 DELINEATOR DRUMS	EA	20	20
704	1067 TUBULAR MARKERS	EA	25	25
704	1500 OBLITERATION OF PAVEMENT MARKING	SF	150	150
704	3510 PRECAST CONCRETE MED BARRIER-STATE FURNISHED	EA	172	172
708	1095 FLUME CONCRETE	LF	65	65
709	0155 GEOSYNTHETIC MATERIAL TYPE RR	SY	575	575
752	0660 FENCE CHAIN LINK REMOVE & RESET	LF	100	100
762	0420 SHORT TERM 4IN LINE-TYPE R	LF	7,800	7,800
762	0426 SHORT TERM 24IN LINE-TYPE R	LF	24	24
762	1104 PVMT MK PAINTED 4IN LINE	LF	4,535	4,535
930	9667 CONCRETE POST REPAIR	EA	1	1
950	9712 JOINT TREATMENT	LF	147	147
ALTERNATE 'A' MECHANICAL DEMOLITION 200-924.623				
650	0720 CLASS 1 REMOVAL	SY	5,968	5,968
650	0721 CLASS 2 REMOVAL	SY	1,194	1,194
650	0722 CLASS 2-A REMOVAL	LF	2,150	2,150
650	0723 CLASS 3 REMOVAL	SY	298	298

ESTIMATE OF QUANTITIES

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-1-200(069)924	8	2
REVISED 01/27/2016			

SPEC CODE	ITEM DESCRIPTION	UNIT	MAINLINE	TOTAL
-----	-----	----		-----
650 0724	CLASS 4 REMOVAL	SY	30	30
ALTERNATE 'B' HYDRODEMOLITION 200-924.623				
650 0710	CLASS 1-H REMOVAL	SY	5,968	5,968
650 0711	CLASS 2-H REMOVAL	SY	300	300
650 0712	CLASS 3-H REMOVAL	SY	30	30
ALTERNATE 'C' MECHANICAL DEMOLITION 200-924.974				
650 0720	CLASS 1 REMOVAL	SY	956	956
650 0721	CLASS 2 REMOVAL	SY	430	430
650 0722	CLASS 2-A REMOVAL	LF	774	774
650 0723	CLASS 3 REMOVAL	SY	115	115
650 0724	CLASS 4 REMOVAL	SY	10	10
ALTERNATE 'D' HYDRODEMOLITION 200-924.974				
650 0710	CLASS 1-H REMOVAL	SY	956	956
650 0711	CLASS 2-H REMOVAL	SY	95	95
650 0712	CLASS 3-H REMOVAL	SY	10	10

Revised	1-25-16	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	NH-1-200(069)924	100	2

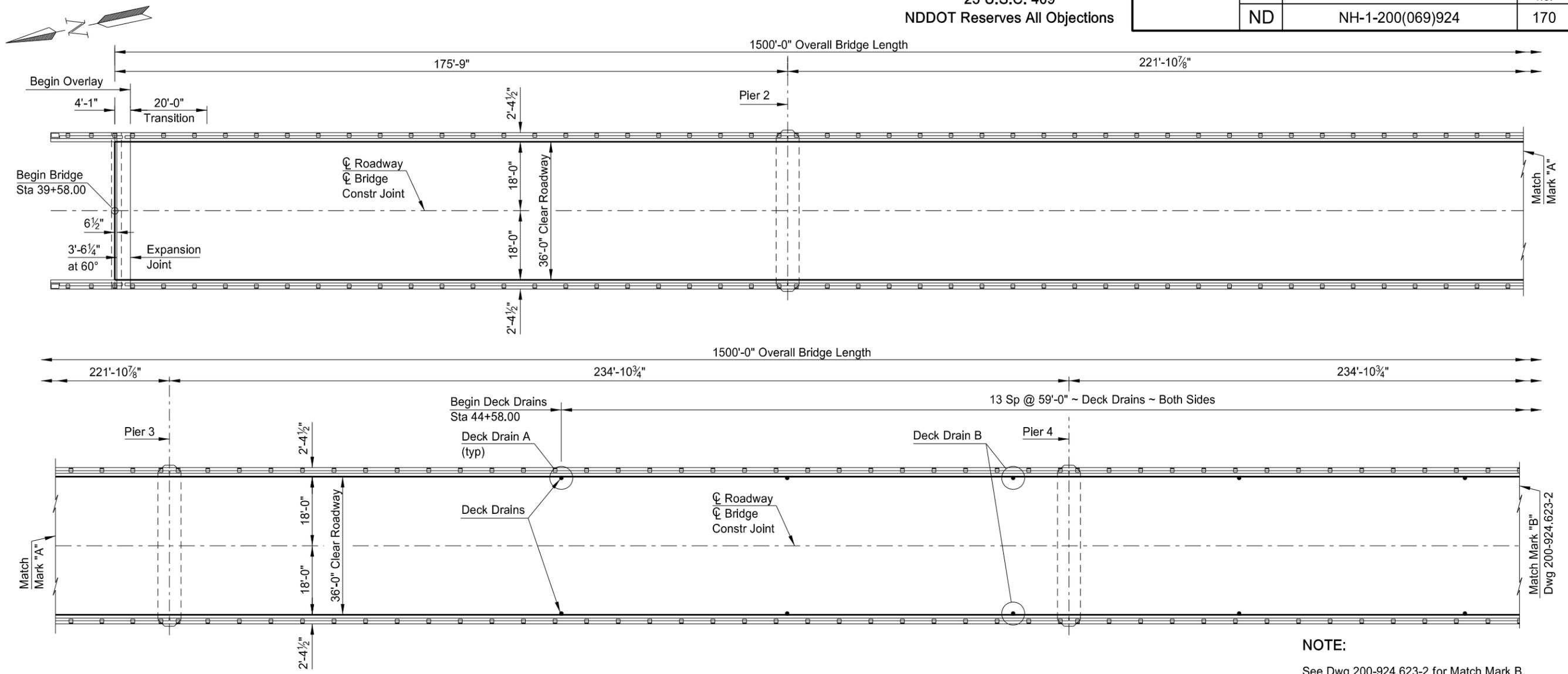


704-1052 Type III Barricades 5 EA
 704-1067 Tubular Markers 25 EA

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WORK ZONE TRAFFIC CONTROL
 Bridge Deck Repair
 ND 200 - Washburn

Revised 1/27/2016	STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
	ND	NH-1-200(069)924	170	1



PLAN

NOTE:
See Dwg 200-924.623-2 for Match Mark B.
See Dwg 200-924.623-4A & 4B for Transition Details

BRIDGE BID ITEMS

BRIDGE BID ITEMS - ALTERNATIVE A MECHANICAL DEMOLITION

BRIDGE BID ITEMS - ALTERNATIVE B HYDRODEMOLITION

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
202	0111	REMOVAL CONCRETE	L SUM	1
203	0140	BORROW-EXCAVATION	CY	320
210	0201	FOUNDATION PREPARATION	EA	1
256	0100	RIPRAP GRADE I	CY	275
256	0200	RIPRAP GRADE II	CY	15
602	0130	CLASS AAE-3 CONCRETE	CY	7.8
616	5890	STRUCTURAL STEEL	L SUM	1
650	0704	OVERLAY CONCRETE	CY	313.8
708	1095	FLUME CONCRETE	LF	65
709	0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	575
752	0660	FENCE CHAIN LINK REMOVE AND RESET	LF	100

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
650	0720	CLASS 1 REMOVAL	SY	5,968
650	0721	CLASS 2 REMOVAL	SY	1,194
650	0722	CLASS 2-A REMOVAL	LF	2,150
650	0723	CLASS 3 REMOVAL	SY	298
650	0724	CLASS 4 REMOVAL	SY	30

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
650	0710	CLASS 1H REMOVAL	SY	5,968
650	0711	CLASS 2H REMOVAL	SY	300
650	0712	CLASS 3H REMOVAL	SY	30

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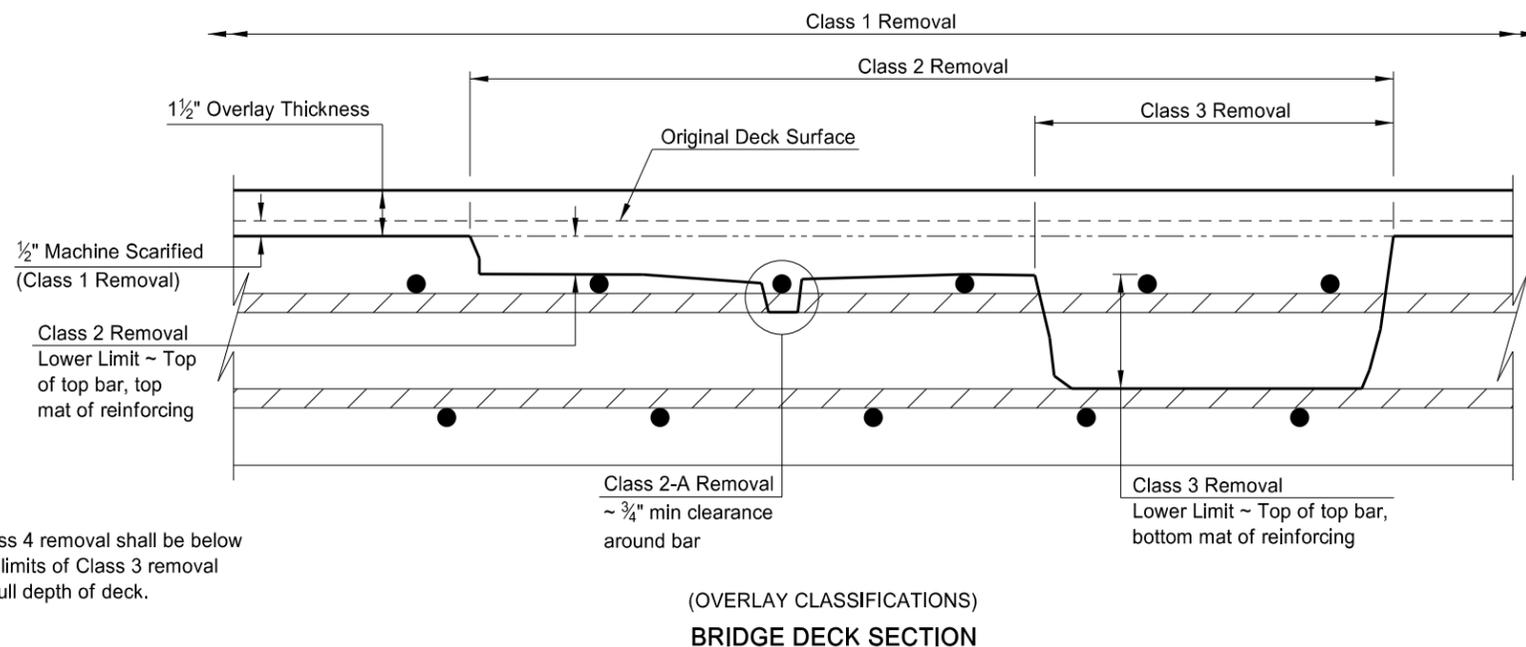
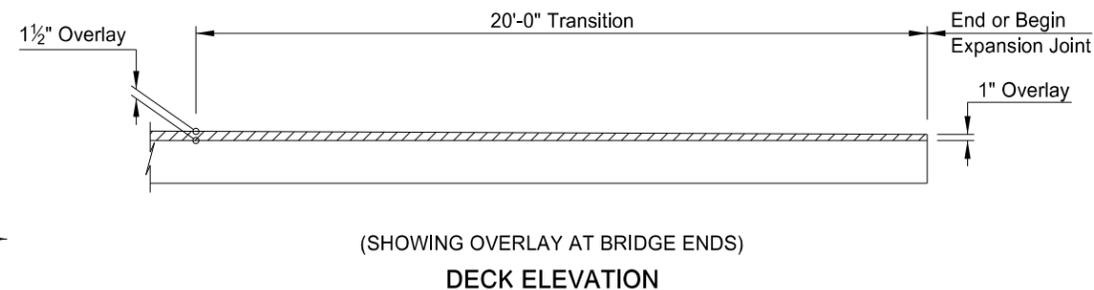
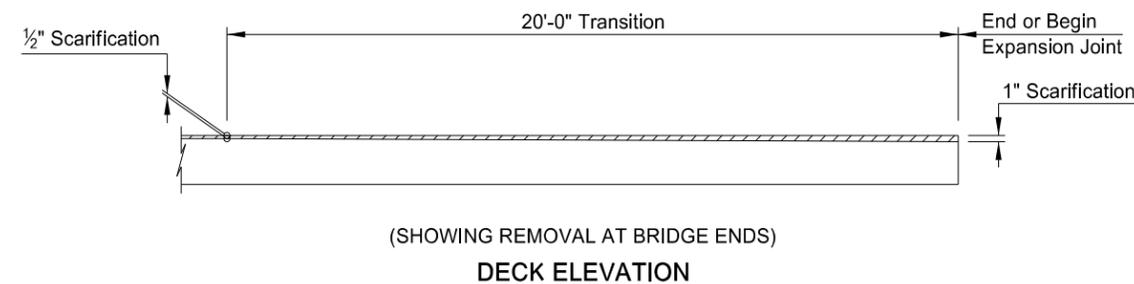
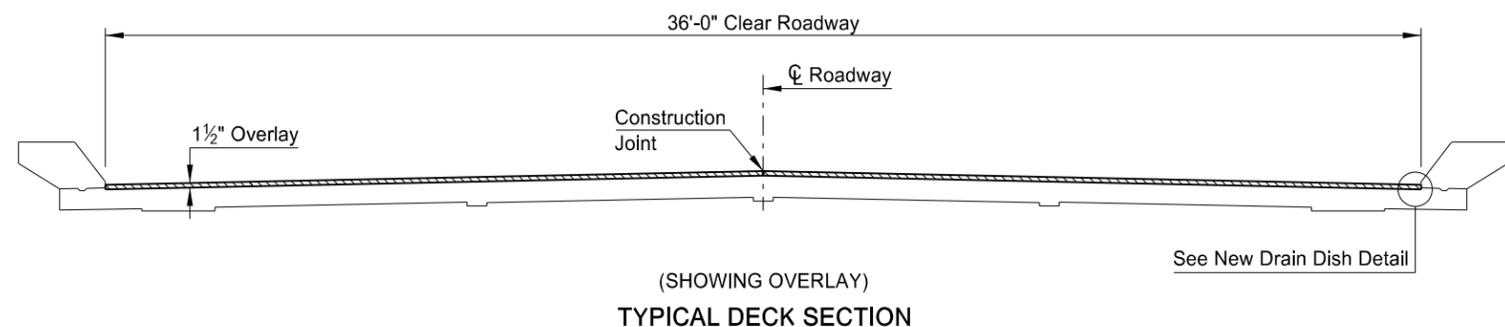
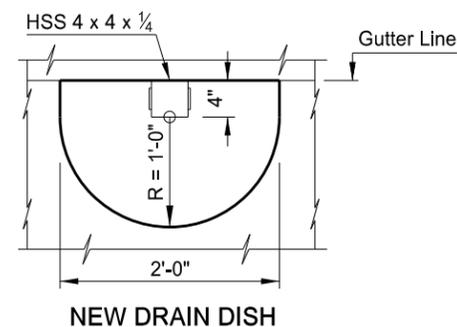
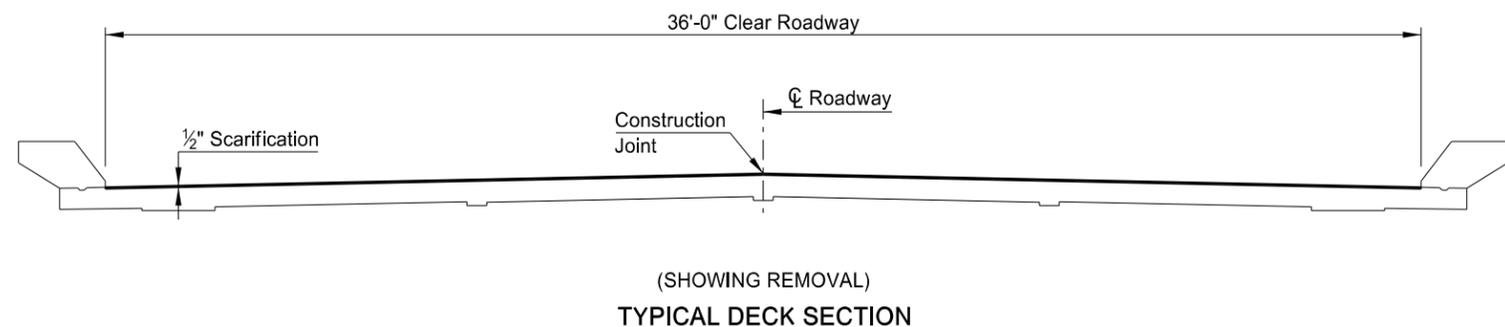
SPECIAL PROVISIONS	
SP 4(14)	MIGRATORY BIRD TREATY ACT
SP 246(14)	PAINTING OVER GALVANIZED STEEL
STANDARD DRAWINGS	
D-752-02	
NORTH DAKOTA DEPARTMENT OF TRANSPORTATION MISSOURI RIVER WALTER HJELLE BRIDGE BRIDGE LAYOUT PROJECT: NH-1-200(069)924 STATION: 47+08.00 MCLEAN - OLIVER COUNTIES	
1/27/2016	Terrence R. Udland
DATE	BRIDGE ENGINEER

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	NH-1-200(069)924	170	4A

NOTES:

- 650 OVERLAY CONCRETE: Use size 5 coarse aggregate composed of crushed stone. Use crushed stone that has at least one fractured face on 75 percent of the particles retained on the number 4 sieve.

Place overlay concrete before September 15 unless authorized by the Bridge Engineer.
- 650 CLASS 2-A REMOVAL: Class 2-A removal is paid for the top bar in the top mat of reinforcing only. If a bar that is identified for 2-A is in an area that becomes Class 3 or Class 4, it will not be paid for as Class 2-A removal.



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QUANTITIES	
AAE-3 CONCRETE	5.8 CY
OVERLAY CONCRETE	313.8 CY
CLASS 1 REMOVAL	5,968 SY
CLASS 2 REMOVAL	1,194 SY
CLASS 2-A REMOVAL	2,150 LF
CLASS 3 REMOVAL	298 SY
CLASS 4 REMOVAL	30 SY

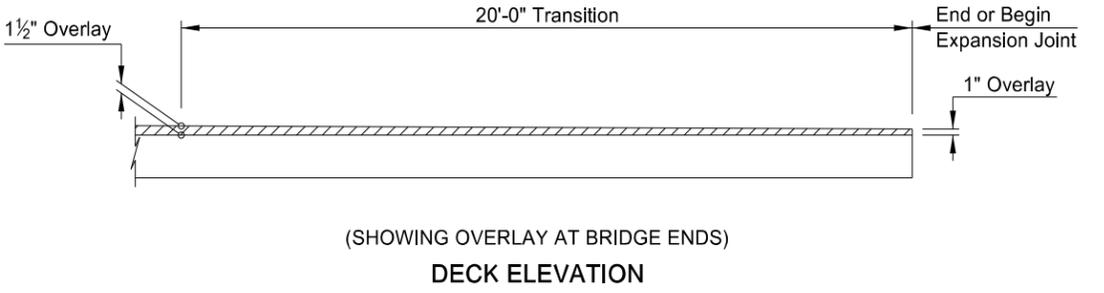
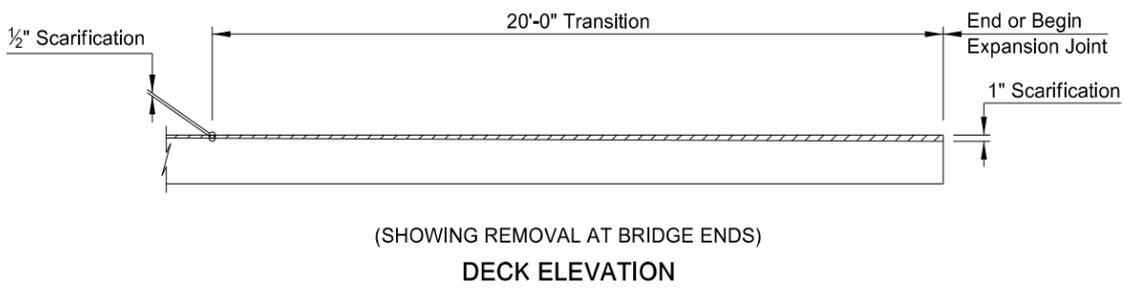
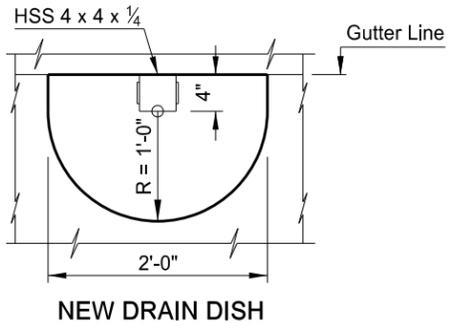
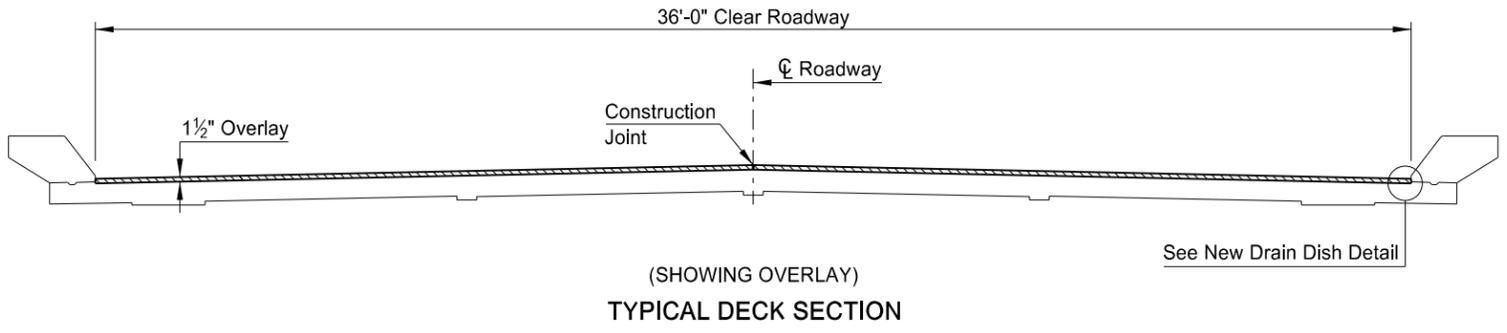
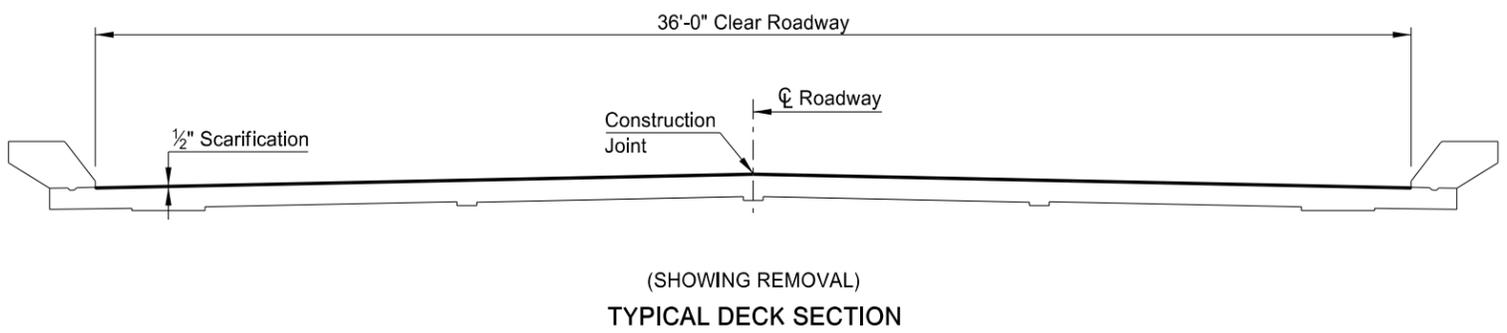
WALTER HJELLE BRIDGE
WASHBURN, ND

DECK OVERLAY DETAILS
(ALTERNATE A)

Revised 1/27/2016	STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
	ND	NH-1-200(069)924	170	4B

- NOTES:**
- 650 OVERLAY CONCRETE: Use size 5 coarse aggregate composed of crushed stone. Use crushed stone that has at least one fractured face on 75 percent of the particles retained on the number 4 sieve.

Place overlay concrete before September 15 unless authorized by the Bridge Engineer.
 - 650 CLASS 2-H REMOVAL: The "Class 2-H Removal" shall only be paid on areas that receive a second pass from the hydrodemolition machine.
 - 650 CLASS 3-H REMOVAL: The "Class 3-H Removal" shall only be paid on areas that receive a third pass from the hydrodemolition machine.

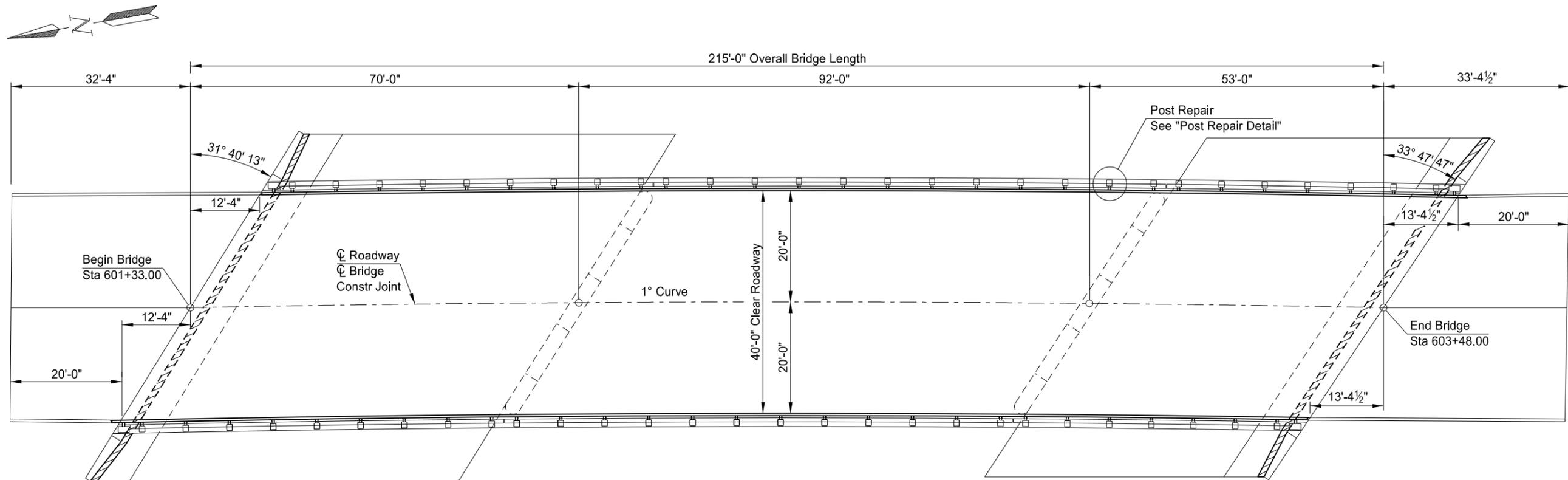


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QUANTITIES	
AAE-3 CONCRETE	5.8 CY
OVERLAY CONCRETE	313.8 CY
CLASS 1-H REMOVAL	5,968 SY
CLASS 2-H REMOVAL	300 SY
CLASS 3-H REMOVAL	30 SY

WALTER HJELLE BRIDGE
 WASHBURN, ND

DECK OVERLAY DETAILS (ALTERNATE B)



NOTES:

- 100 SCOPE OF WORK: Work at this site consists of a deck overlay, slope protection joint treatment, and concrete post repair. Maintain one lane of traffic at all times.
- 950 JOINT TREATMENT: The concrete slope protection has settled and pulled away from the abutments. The gap between the abutments and slope protection is 2" to 8" ±. Clear all debris, previous joint treatments, and soil from the gap and fill with Class AE-3 Concrete to a minimum depth of 4". Include all material and labor costs to perform this work in the contract unit price of the "Joint Treatment."

PLAN

Hatched area indicates slope protection repair with joint treatment.

BRIDGE BID ITEMS

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
602	0130	CLASS AAE-3 CONCRETE	CY	2.0
650	0704	OVERLAY CONCRETE	CY	65.5
930	9667	CONCRETE POST REPAIR	EA	1
950	9712	JOINT TREATMENT	LF	147

BRIDGE BID ITEMS - ALTERNATIVE C MECHANICAL DEMOLITION

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
650	0720	CLASS 1 REMOVAL	SY	956
650	0721	CLASS 2 REMOVAL	SY	430
650	0722	CLASS 2-A REMOVAL	LF	774
650	0723	CLASS 3 REMOVAL	SY	115
650	0724	CLASS 4 REMOVAL	SY	10

BRIDGE BID ITEMS - ALTERNATIVE D HYDRODEMOLITION

SPEC	CODE	ITEM DESCRIPTION	UNIT	QUANTITY
650	0710	CLASS 1H REMOVAL	SY	956
650	0711	CLASS 2H REMOVAL	SY	95
650	0712	CLASS 3H REMOVAL	SY	10

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NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

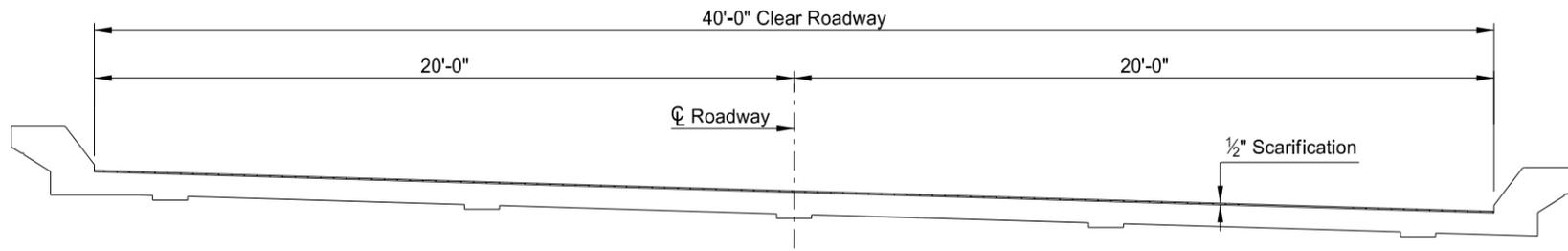
CP RAILWAY BRIDGE

BRIDGE LAYOUT

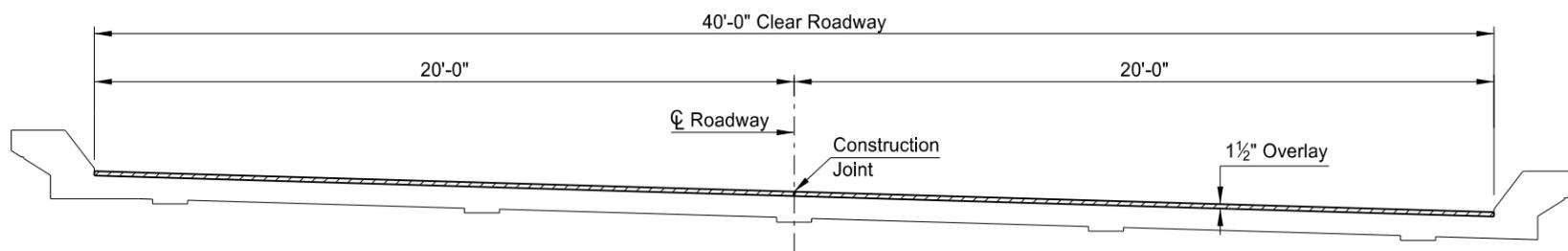
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STATION: 602+40.50
McLEAN COUNTY

1/27/2016 DATE Terrence R. Udland BRIDGE ENGINEER

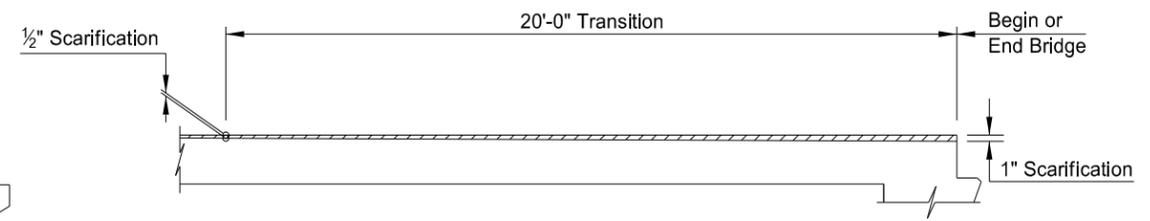
Revised 1/27/2016	STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
	ND	NH-1-200(069)924	170	11A



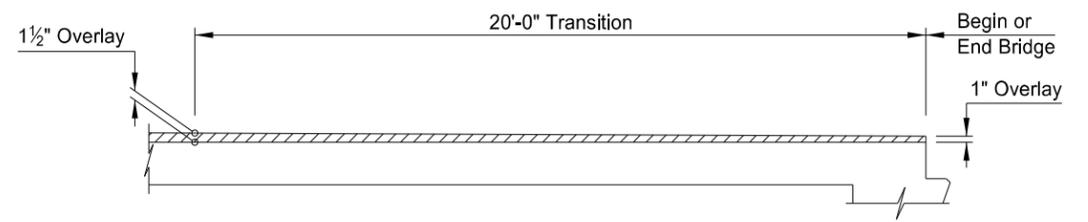
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TYPICAL DECK SECTION



(SHOWING OVERLAY)
TYPICAL DECK SECTION



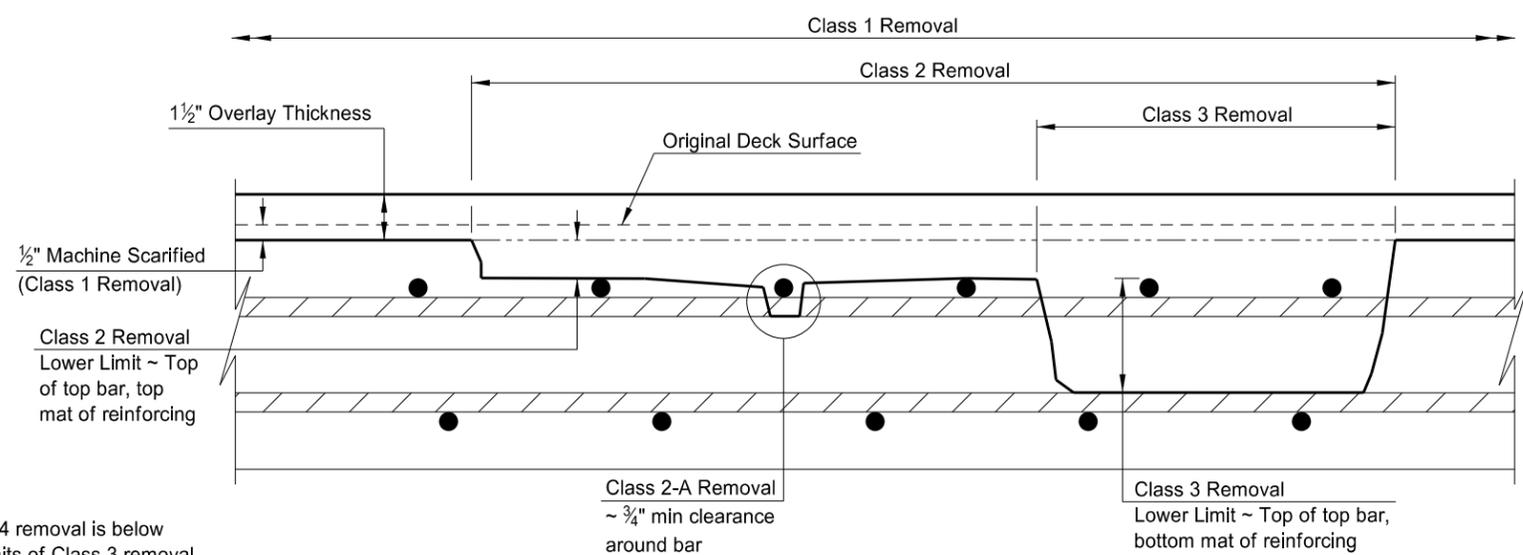
(SHOWING REMOVAL AT BRIDGE ENDS)
DECK ELEVATION



(SHOWING OVERLAY AT BRIDGE ENDS)
DECK ELEVATION

NOTES:

- 650 OVERLAY CONCRETE: Use size 5 coarse aggregate composed of crushed stone. Use crushed stone that has at least one fractured face on 75 percent of the particles retained on the number 4 sieve.
- Place overlay concrete before September 15 unless authorized by the Bridge Engineer.
- 650 CLASS 2-A REMOVAL: Class 2-A removal is paid for the top bar in the top mat of reinforcing only. If a bar that is identified for 2-A is in an area that becomes Class 3 or Class 4, it will not be paid for as Class 2-A removal.



(OVERLAY CLASSIFICATIONS)
BRIDGE DECK SECTION

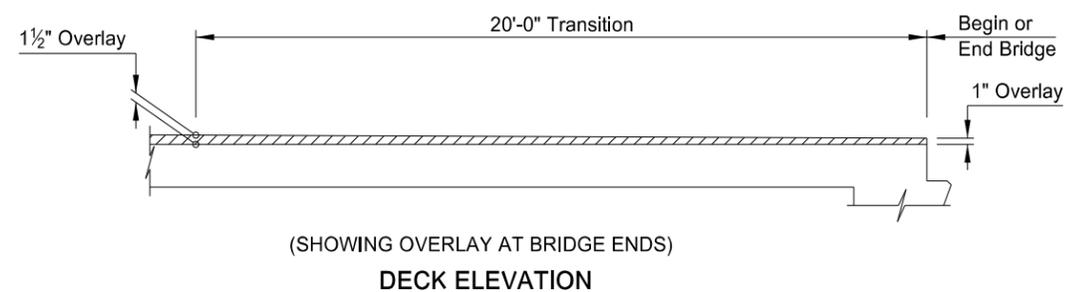
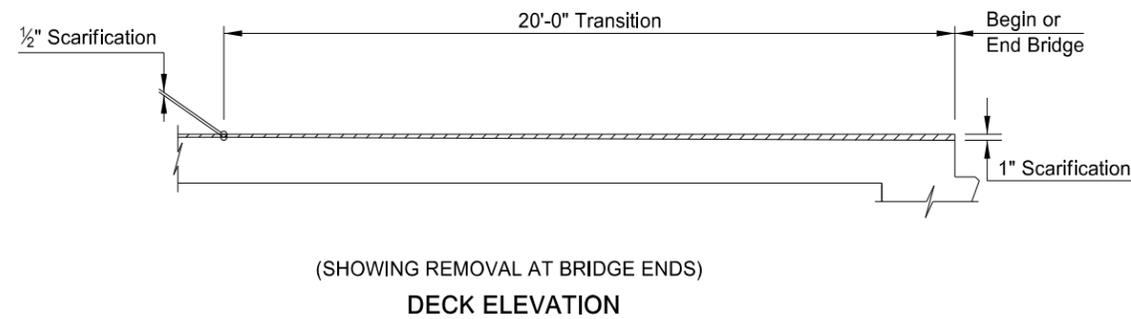
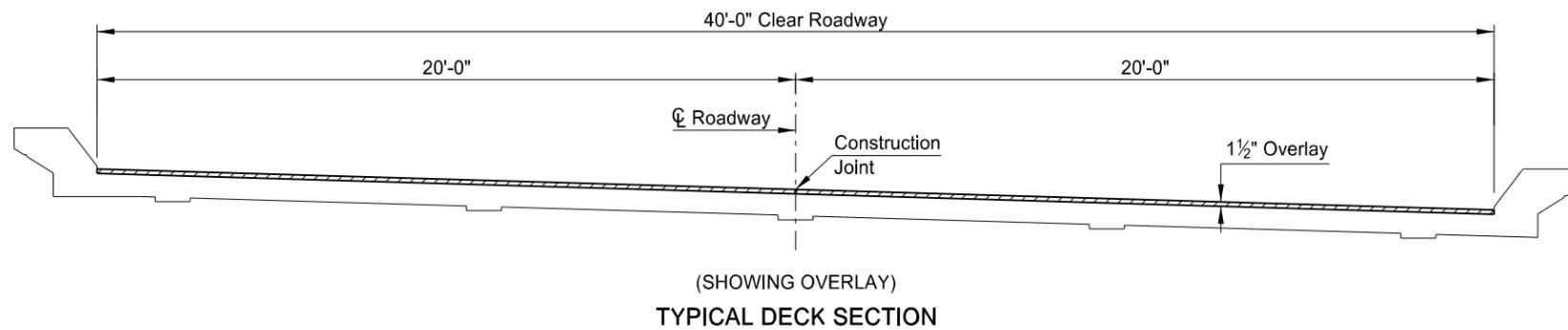
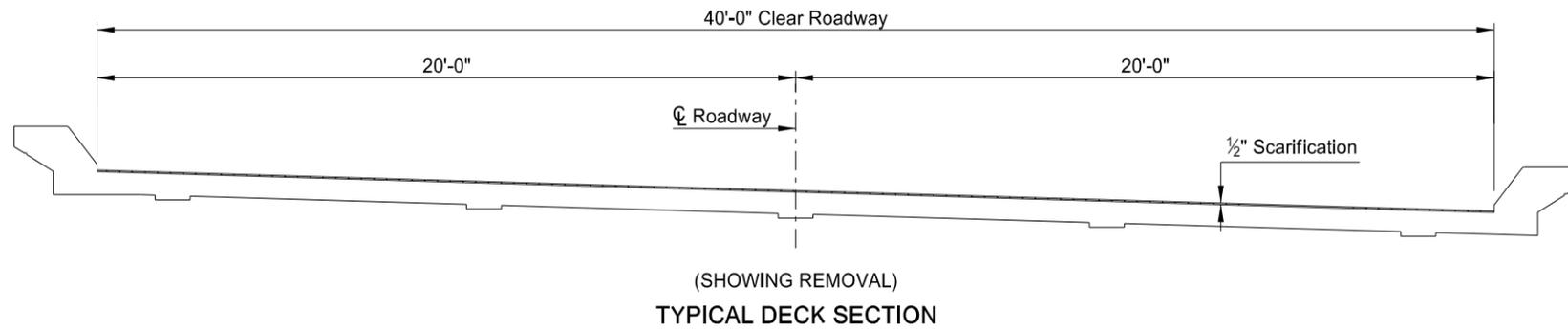
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QUANTITIES	
AAE-3 CONCRETE	2.0 CY
OVERLAY CONCRETE	65.5 CY
CLASS 1 REMOVAL	956 SY
CLASS 2 REMOVAL	430 SY
CLASS 2-A REMOVAL	774 LF
CLASS 3 REMOVAL	115 SY
CLASS 4 REMOVAL	10 SY

CP RAILWAY BRIDGE
WASHBURN, ND

DECK OVERLAY DETAILS
(ALTERNATE A)

Revised 1/27/2016	STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
	ND	NH-1-200(069)924	170	11B



NOTES:

- 650 OVERLAY CONCRETE: Use size 5 coarse aggregate composed of crushed stone. Use crushed stone that has at least one fractured face on 75 percent of the particles retained on the number 4 sieve.

Place overlay concrete before September 15 unless authorized by the Bridge Engineer.
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- 650 CLASS 3-H REMOVAL: The "Class 3-H Removal" shall only be paid on areas that receive a third pass from the hydrodemolition machine.

QUANTITIES	
AAE-3 CONCRETE	2.0 CY
OVERLAY CONCRETE	65.5 CY
CLASS 1-H REMOVAL	956 SY
CLASS 2-H REMOVAL	95 SY
CLASS 3-H REMOVAL	10 SY

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CP RAILWAY BRIDGE
WASHBURN, ND

DECK OVERLAY DETAILS
(ALTERNATE B)