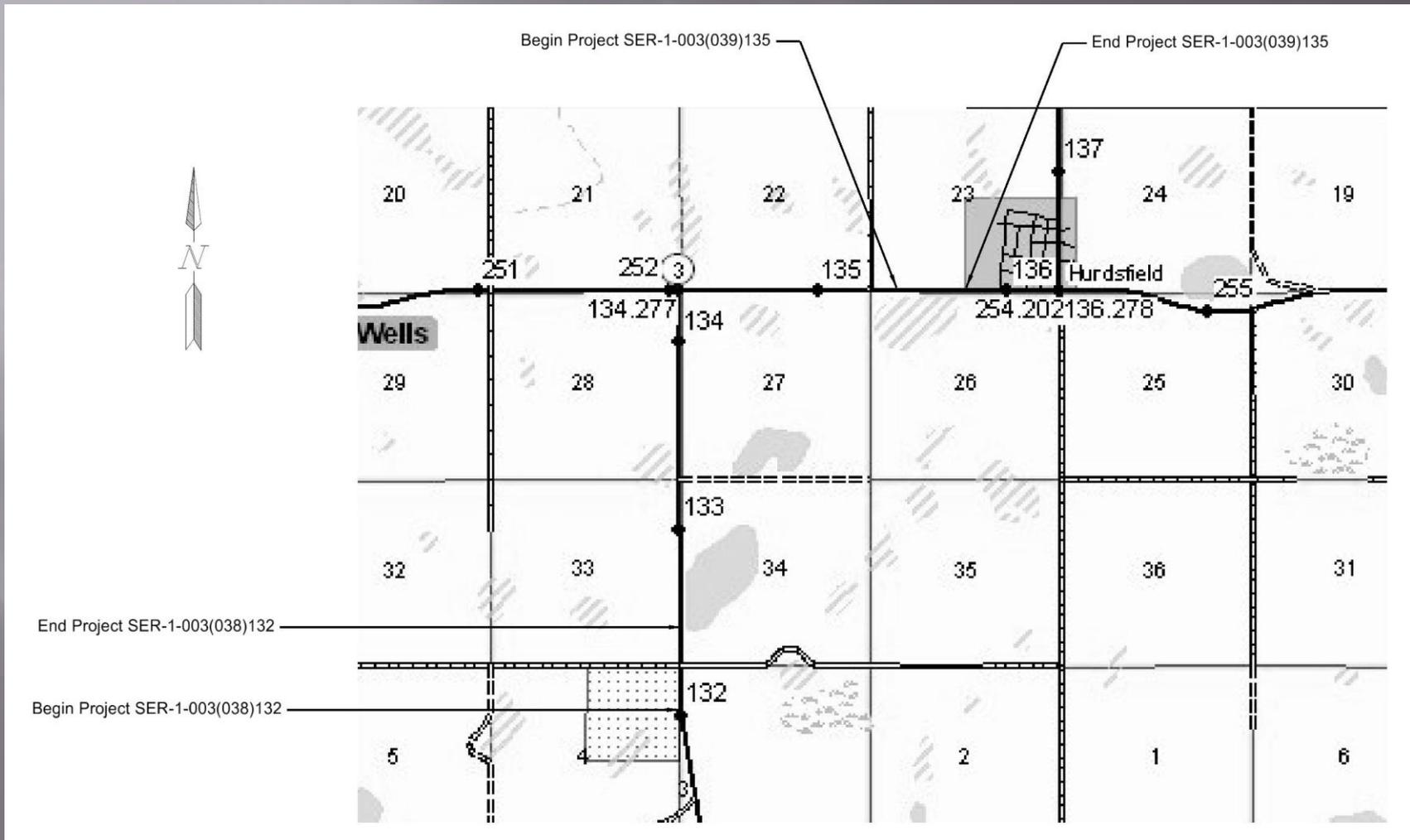


CONSTRUCTION OF EMERGENCY GRADE RAISE PROJECTS

Bernie Southam, Trans Eng. III

Highway 3 Locations



Request for Bid

PROJECT NUMBER SER-1-036(024)031 PCN 19322

Emergency Grade Raise
ND 36 RP 31.356 to RP 31.669

Notes:

- Scope of Work: Emergency Grade Raise
- Standard Specifications adopted by the NDDOT July 2008; Standard Drawings currently in effect; and other contract provisions submitted herein.
- The Contractor shall contact the appropriate State, County, Township, City or political Subdivision official(s) to determine if the proposed haul road has local road restrictions or is designated as a "No Haul Route" prior to preparing a bid for this project. Paved roads off the state system will not be designated as haul roads by the NDDOT.
- The aggregate base course shall meet specifications for Aggregate Base Course CI 3M, CI 5, or CI 13.
- The embankment may consist of either borrow material or aggregate material as long as it compacts to provide a stable grade. (clean sand will not be allowed)
- There are previously cleared material source sites in the vicinity of the grade raise location. Certificate of approval numbers KD-1012, KD-1005, and KD-1010 are in the area, and their location information can be found at <http://www.dot.nd.gov/dotnet2/materialsource/certificateofapproval.aspx>
- Traffic Control shall consist of a temporary road closure until the grade is high enough to open to traffic. Flagging with the use of a pilot car will be used during construction after the road closures are removed. The existing road closure signs and barricades used are the property of the Department and shall remain in place until the site is open to traffic. Department forces will remove these items. Traffic Control Devices shall comply with the following Standard Drawings:
 1. Standard Drawing D-704-15, Type A: For temporary roadway closure.
 2. Standard Drawings D-704-7, 8, 9, 10, 11, 12, 12a, 13, and 14 are applicable.
 3. Standard Drawing D-704-31, if applicable.
- The required traffic control signs and devices will be measured and paid at the Contract Unit Price for each device.
- All quantities are approximate and no unit price adjustment will be made for increased or decreased quantities. Section 104.03.B of the Standards Specifications that covers adjustment in unit prices for quantity increases or decreases does not apply.
- Contract Time for Completion: This is an Emergency Relief project and thus the contractor shall start work during the week of June 6th. The roadway must be open to traffic within 14 working days after beginning. The Rip Rap must be completed within 14 working days after the completion of the aggregate and embankment placement. The District will work with the Contractor on these completion dates based upon fluctuation in water elevations. One lane of traffic must be maintained during the placement of Rip Rap.
- Please return all bids by 4:00 P.M. on May 27, 2011. Bids may be mailed, emailed, or dropped off.
Please submit to:
Kirk J. Hoff
Assistant District Engineer
218 Airport Road
Bismarck, ND 58504
FAX: 701.328.6933
khoff@nd.gov

Notes

- ▣ Request for Bid
- ▣ PROJECT NUMBER SER-1-036(024)031 PCN 19322
- ▣ Emergency Grade Raise
- ▣ ND 36 RP 31.356 to RP 31.669

Notes

- ▣ Scope of Work: Emergency Grade Raise
- ▣ Standard Specifications adopted by the NDDOT July 2008; Standard Drawings currently in effect; and other contract provisions submitted herein.
- ▣ The Contractor shall contact the appropriate State, County, Township, City or political Subdivision official(s) to determine if the proposed haul road has local road restrictions or is designated as a “No Haul Route” prior to preparing a bid for this project. Paved roads off the state system will not be designated as haul roads by the NDDOT.

Notes Cont.

- ▣ The aggregate base course shall meet specifications for Aggregate Base Course C1 3M, C1 5, or C1 13.
- ▣ The embankment may consist of either borrow material or aggregate material as long as it compacts to provide a stable grade. (clean sand will not be allowed)

Notes Cont.

- ▣ Traffic Control shall consist of a temporary road closure until the grade is high enough to open to traffic. Flagging with the use of a pilot car will be used during construction after the road closures are removed. The existing road closure signs and barricades used are the property of the Department and shall remain in place until the site is open to traffic. Department forces will remove these items. Traffic Control Devices shall comply with the following Standard Drawings:
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Notes Cont.

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Notes Cont.

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Notes Cont.

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Kirk J. Hoff

Assistant District Engineer

218 Airport Road

Bismarck, ND 58504

FAX: 701.328.6933

khoff@nd.gov

Quantity Sheet

ESTIMATED QUANTITIES

SPEC	CODE	ITEM	UNIT	QTY	UNIT PRICE	TOTAL PRICE
103	0100	Contract Bond	L SUM	1		
203	0200	Embankment	CY	21,559		
302	0403	Aggregate Surface Course	TON	2,062		
702	0100	Mobilization	L SUM	1		
704	0100	Flagging	MHR	300		
704	1000	Traffic Control Signs	UNIT	992		
704	1185	Pilot Car	MHR	150		
708	1020	Rip Rap - Loose Rock	CY	5,994		
708	1375	Flotation Silt Curtain	LF	1,550		
709	600	Geotextile Fabric -Type RR	SY	8,856		

TOTAL PRICE _____

Contractor

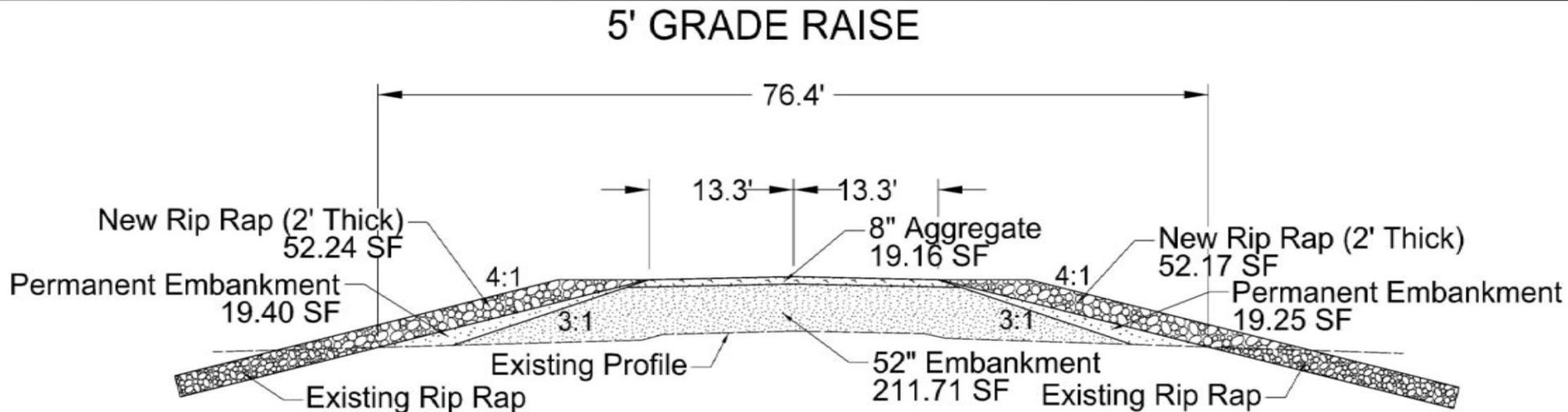
Contractor's Signature

Date

NDDOT Signature

Date

Typical Section



ND 36 RP 31.356 to RP 31.669

EMERGENCY REPAIRS

$211.71 \text{ SF} \times 1550 \text{ FT} \times (\text{CY}/ 27 \text{ CF}) \times 1.5 \text{ shrink} = 18,231 \text{ CY Embankment}$

$19.16 \text{ SF} \times 1550 \text{ FT} \times (\text{CY}/ 27 \text{ CF}) \times 1.875 \text{ TON/ CY} = 2,062 \text{ TON Aggregate}$

$104.41 \text{ SF} \times 1550 \text{ FT} \times (\text{CY}/ 27 \text{ CF}) = 5,994 \text{ CY Rip Rap}$

PERMANENT RESTORATION DONE CONCURRENTLY WITH EMERGENCY REPAIRS

$38.65 \text{ SF} \times 1550 \text{ FT} \times (\text{CY}/ 27 \text{ CF}) \times 1.5 \text{ shrink} = 3,328 \text{ CY Embankment}$

*This item is shown separately for ER funding purposes only.

TRAFFIC CONTROL DEVICES LIST					
Sign Number	Sign Size	Description	Quantity Required	Units per Sign	Units Sub-total
G20-4-36	36"x18"	PILOT CAR FOLLOW ME	2	18	36
G20-55-96	96"x48"	SPEED LIMIT ENFORCED - MINIMUM FEE \$80 WHEN WORKERS PRESENT	2	59	118
R1-1-48	48"x48"	STOP	2	32	64
R1-1a-18	18"x18"	STOP and SLOW PADDLE Back to Back	2	5	10
R2-1-48	48"x60"	SPEED LIMIT	2	39	78
R2-1a-24	24"x18"	MINIMUM FEE \$80 (Mounted on Speed Limit post)	2	10	20
R4-1-48	48"x60"	DO NOT PASS	2	39	78
W1-6-48	48"x24"	LARGE ARROW	2	26	52
W3-1-48	48"x48"	STOP AHEAD SYMBOL	2	35	70
W3-4-48	48"x48"	BE PREPARED TO STOP	2	35	70
W3-5-48	48"x48"	SPEED REDUCTION AHEAD	2	35	70
W8-1-48	48"x48"	BUMP	2	35	70
W14-3-48	48"x36"	NO PASSING ZONE	2	23	46
W20-1-48	48"x48"	ROAD WORK AHEAD or FT or MILE	2	35	70
W20-4-48	48"x48"	ONE LANE ROAD AHEAD or FT.	2	35	70
W20-7a-48	48"x48"	FLAGGING SYMBOL	2	35	70
Total Units:					992
Pay Item Description			Unit	Spec & Code	Quantity
TRAFFIC CONTROL SIGNS			UNIT	704-1000	992
FLAGGING			MHR	704-0100	300

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/>

Emergency Relief Contract Requirements

Project Number: _____

ER Site _____

Location: _____

Year: _____

The Contractor shall perform all work in accordance with the *North Dakota Department of Transportation Standard Specifications for Road and Bridge Construction* and the most current *Supplemental Specifications*. The Contractor's signature and initials below indicated he has received and will abide by the policies and regulations of each of the following:

_____ NDDOT Special Provision – DBE Race-Neutral (with revision)
www.dot.nd.gov/divisions/civilrights/dbeprogram.htm

_____ FHWA 1273 – Required Contract Provisions

_____ EEO Affirmative Action Requirements
www.dot.nd.gov/divisions/civilrights/docs/affirmativeactionrequirements.pdf

_____ Prompt Payment – 46 CFR 26.29
www.dot.nd.gov/divisions/civilrights/docs/dbepromptpay20080118.pdf

_____ Davis-Bacon Wage and Payroll Requirements – It is the responsibility of the Contractor to ensure that the most current Davis-Bacon Labor Rates are used which can be found at:
www.dot.nd.gov/divisions/civilrights/laborcompensation.htm

_____ Buy America Provision
<http://www.fhwa.dot.gov/construction/cpil/buyam.cfm>

_____ Convict Produced Material/ Convict Labor Provision
<http://www.fhwa.dot.gov/construction/cpil/convict.cfm>

NDDOT ADA Requirements

_____ Contractor shall ensure that all materials come from an approved location. Pre-approved locations can be found on the NDDOT website at:
www.dot.nd.gov/dotnet2/materialsource/certificateofapproval.aspx
For new locations the contractor shall complete and submit SFN 58466 - MATERIAL SOURCE APPROVAL REQUEST

NDDOT or LPA witness

Date

Contractor Representative

Date

Contract Requirements

Emergency Relief Contract Requirements

Project Number:

ER Site:

Location:

Year:

The Contractor shall perform all work in accordance with the *North Dakota Department of Transportation Standard Specifications for Road and Bridge Construction* and the most current *Supplemental Specifications*. The Contractor's signature and initials below indicated he has received and will abide by the policies and regulations of each of the following:

Contract Requirements Cont.

____ NDDOT Special Provision – DBE Race-Neutral (with revision)

www.dot.nd.gov/divisions/civilrights/dbeprogram.htm

____ FHWA 1273 – Required Contract Provisions

____ EEO Affirmative Action Requirements

www.dot.nd.gov/divisions/civilrights/docs/affirmativeactionrequirements.pdf

____ Prompt Payment – 46 CFR 26.29

www.dot.nd.gov/divisions/civilrights/docs/dbe/promptpay20080118.pdf

Contract Requirements Cont.

_____ Davis-Bacon Wage and Payroll Requirements -- It is the responsibility of the Contractor to ensure that the most current Davis-Bacon Labor Rates are used, which can be found at:

www.dot.nd.gov/divisions/civilrights/laborcompliance.htm

_____ Buy America Provision

<http://www.fhwa.dot.gov/construction/cqit/buyam.cfm>

_____ Convict Produced Material/ Convict Labor Provision

<http://www.fhwa.dot.gov/construction/cqit/convict.cfm>

_____ NDDOT ADA Requirements

Contract Requirements Cont.

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For new locations the contractor shall complete and submit SFN 58466 -
MATERIAL SOURCE APPROVAL REQUEST

NDDOT or LPA witness

Date

Contractor Representative

Date







Hwy 3 RP 135



Hwy 3 RP 135







CATERPILLAR



DANGER
STAY BACK
50 FT.

















STOP

TAKE
TURNS







16-303

CAT









1/23

1/23

4/23

2

9





















QUESTIONS ?

