



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN

GOVERNOR

July 2, 2025

J.R. "JOEY" HOPKINS

SECRETARY

ADDENDUM # 1

Contract ID: DN12177664
TIP: N/A
Federal Aid: State Funded
WBS: GMR14.HEN.1P; GMR14.HEN.2P; GMR14.POL.1P; GMR14.POL.2P;
GMR14.TRA.1P; GMR14.TRA.2P
County: Henderson, Polk, And Transylvania
Description: ID/IQ Guardrail Along Various Routes Throughout Henderson, Polk,
And Transylvania Counties

Letting Date: July 8, 2025

Plan Holders

**Content Summary: Provision Changes, Pay Item Changes, Quantity Changes,
Adding Plan sheets to the Roadway Plans**

The above contract has experienced the following revisions:

1. Remove provisions SPD 01-750 **NON-EXCLUSIVE CONTRACT** and SPD 01-800B **WORK ORDER ASSIGNMENT (MULTIPLE AWARDS) FOR ID/IQ** from page G-2
2. Add provision SPD 01-800A **WORK ORDER ASSIGNMENT (SINGLE AWARDS) FOR ID/IQ** on page G-2 (see attached)
3. Add provision SPD 01-820 **MOBILIZATION AND LIQUIDATED DAMAGES FOR ID/IQ** on page G-3 (see attached)
4. Revise provision SP1 G14 A **INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES** on page G-5 (see attached)
5. Add provision SP1 G14 B **INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES** on page G-6 (see attached)
6. Adding **Plan Sheets 2C-1 – 2C-7** to the DN12177664 STANDARD PLANS SHEETS – ROADWAY (see attached)

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 14
253 WEBSTER ROAD
SYLVA, NC 28779

Telephone: (828) 331-5200
Fax: (828) 331-5201
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
253 WEBSTER ROAD
SYLVA, NC 28779

7. Pay Item Changes (see attached)

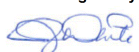
- a. Remove line item 60 **8510000000-E CONCRETE MEDIAN BARRIER**
- b. **3539000000-E 866 METAL LINE POSTS FOR **" (96) CHAIN LINK FENCE**
has been added, 1 EA
- c. **3545000000-E 866 METAL TERMINAL POSTS FOR **" CHAIN LINK FENCE**
has been added, 1 EA
- d. **4609000000-N SP SHOULDER CLOSURE WORK ZONE TRAFFIC CONTROL**
has been added, 50 DAY
- e. The quantity for **2703000000-E 854 CONCRETE BARRIER, TYPE *****
(DOUBLE FACED)** has changed from 750 to **500** EA
- f. The quantity for **3001000000-N SP IMPACT ATTENUATOR, TYPE TL-3** has
changed from 15 to **5** EA
- g. The quantity for **3001500000-N SP IMPACT ATTENUATOR, TYPE TL-2** has
changed from 15 to **5** EA
- h. The quantity for **3030000000-E 862 STEEL BEAM GUARDRAIL** has
changed from 3500 to **2500** LF
- i. The quantity for **3145000000-E 862 EXTRA LENGTH GUARDRAIL POSTS
(8' STEEL)** has changed from 4250 to **200** EA
- j. The quantity for **3180000000-N 862 GUARDRAIL ANCHOR UNITS, TYPE
***** (BURIED IN CUT)** has changed from 75 to **15** EA
- k. The quantity for **3180000000-N 862 GUARDRAIL ANCHOR UNITS, TYPE
***** (THRIE-BEAM)** has changed from 40 to **10** EA
- l. The quantity for **3195000000-N 862 GUARDRAIL END UNITS, TYPE AT-1**
has changed from 75 to **40** EA
- m. The quantity for **3210000000-N 862 GUARDRAIL END UNITS, TYPE CAT-1**
has changed from 75 to **40** EA
- n. The quantity for **3215000000-N 862 GUARDRAIL END UNITS, TYPE III** has
changed from 35 to **20** EA
- o. The quantity for **3287000000-N 862 GUARDRAIL END UNITS, TYPE TL-3**
has changed from 200 to **30** EA

- p. The quantity for **3288000000-N 862 GUARDRAIL END UNITS, TYPE TL-2** has changed from 75 to **30 EA**
- q. The quantity for **3345000000-E 864 REMOVE AND RESET EXISTING GUARDRAIL** has changed from 3500 to **1500 LF**
- r. The quantity for **3420000000-E SP GENERIC GUARDRAIL ITEM PAINTED GALVANIZED STEEL BEAM GUARDRAIL** has changed from 4000 to **2000 LF**
- s. The quantity for **3435000000-N SP GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL END UNITS, TYPE TL-3** has changed from 40 to **15 EA**
- t. The quantity for **3435000000-N SP GENERIC GUARDRAIL ITEM POWDER COATED TL-3** has changed from 200 to **15 EA**
- u. The quantity for **3435000000-N SP GENERIC GUARDRAIL ITEM POWDER COATED TL-2** has changed from 75 to **15 EA**
- v. The quantity for **3435000000-N SP GENERIC GUARDRAIL ITEM POWDER COATED AT-1** has changed from 75 to **15 EA**
- w. The quantity for **3435000000-N SP GENERIC GUARDRAIL ITEM POWDER COATED CAT-1** has changed from 75 to **15 EA**
- x. The quantity for **4609000000-N SP GENERIC TRAFFIC CONTROL ITEM TWO LANE WORK ZONE TRAFFIC CONTROL** has changed from 100 to **50 DAY**
- y. The quantity for **4609000000-N SP GENERIC TRAFFIC CONTROL ITEM MULTI-LANE WORK ZONE TRAFFIC CONTROL** has changed from 100 to **50 DAY**

Please insert this addendum letter and any attachments into the addendum section of the proposal and sign the verification. Thank you for your attention to this matter.

If you have any questions, please contact the Division Proposal Engineer at (828) 331-5200.

Sincerely,

DocuSigned by:

29BD93927CF24F6...

Jeanette L. White, P.E.
Division 14 Project Team Lead

WORK ORDER ASSIGNMENT (SINGLE AWARDS) FOR ID/IQ:

(2-15-22)(Rev. 4-19-22)

SPD 01-800A

Work orders will be assigned by the Engineer. The Contractor shall respond to the work order assignments with the anticipated start date, within three working days of notification unless noted otherwise. Failure to complete work in accordance with contract provisions and completion date may result in liquidated damages.

For federal ID/IQ contracts, all work orders will be assigned via the Work Order Assignment Form (Form IDIQ-1SA), and the Contractor is required to formally respond in writing for federal work orders within three working days, unless noted otherwise. The Work Order Assignment Form will also be used for any state ID/IQ contract in which the estimated work order cost meets the threshold for Performance and Payment Bonds in accordance with the Bonding Requirements for ID/IQ provision found elsewhere in this contract. For state ID/IQ contracts in which the work order assignment doesn't meet the threshold for bonds, the Department has the option to use the Work Order Assignment Form or other methods for work order assignments as agreed upon by the Engineer and Contractor.

The Contractor shall be required to prosecute the work in a continuous and uninterrupted manner from the time they begin the work until completion and final acceptance of the work order. Multiple failures of the Contractor to mobilize and begin work on the work order within the agreed upon time frame or failure to complete the work within the given time frame may result in the Contractor being excluded from future work on this contract in accordance with the *Standard Specifications*.

BONDING REQUIREMENTS FOR ID/IQ:

(2-15-22)

SPD 01-810

For purposes of this ID/IQ contract, the following definitions apply:

Project Agreement: A transportation improvement with a defined scope of work; a written agreement between NCDOT and the Federal Government defining the extent of construction work to be undertaken in accordance with the submitted plans, specifications and estimates. Execution of the agreement prompts the authorization to proceed (construction funding).

Project: An undertaking issued to a contractor through a Work Order Assignment. The construction under a Project Agreement may be accomplished by one or more work order assignments, from one or more ID/IQ contracts. Note that for ID/IQ contracts this definition supersedes the definition in the Standard Specifications.

Award: The issuance of a signed Work Order Assignment by NCDOT shall constitute the notice of award of a project.

In accordance with North Carolina General Statute 44A-26, bonds are required on contracts awarded for any one project that exceeds \$500,000. Beyond statutory requirements, NCDOT policy requires payment and performance bonds on all projects where the engineer's estimate is \$450,000 or greater, all Asphalt Surface Treatment projects, and projects containing the 12-month guarantee provision. The limit for waiving bonds for all bridge replacement and major bridge rehabilitation projects (latex overlays, etc.) is \$300,000 based on the engineer's estimate. The

decision of bonding of a work order assignment below the dollar amounts listed shall be at the discretion of the Division's evaluation of the risks associated with the project.

The need for contract payment and performance bonds will be determined at the Work Order Assignment level. The Work Order Assignment will notify the Contractor of an award of a project and if required, to provide contract payment and performance bonds per Article 103-7 of the *Standard Specifications*. The Work Order Assignment replaces the Notification of Award Letter mentioned in Article 103-4(A) of the *Standard Specifications*.

MOBILIZATION AND LIQUIDATED DAMAGES FOR ID/IQ:

(2-15-22)

SPD 01-820

The Contractor shall mobilize to each location he is required to perform work. There will be no direct pay for Mobilization as it will be incidental to the other bid items. The only exception is if there is an Emergency Mobilization provision within the contract.

The Contractor will be provided a Work Order Assignment for each project with location(s), estimated quantities, and liquidated damages unless waived by the Engineer. Notification will be verbal followed by a faxed or emailed signed Work Order Assignment. There will be no minimum quantities for any line item associated with a particular mobilization. The Contractor shall complete the work identified on each Work Order Assignment.

The Contractor shall mobilize and complete the work within the time specified on the Work Order Assignment. Failure to complete the work by the completion date may result in the application of liquidated damages. Liquidated damage amounts will be based on the work order estimate and the liquidated damage table below.

Work Order Value	Liquidated Damages (per calendar day)
\$0 - \$100K	\$100.00
\$100K - \$200K	\$250.00
\$200K - \$300K	\$500.00
\$300K - \$500K	\$600.00
\$500K - \$1M	\$700.00
\$1M - \$2M	\$850.00

EMERGENCY MOBILIZATION FOR ID/IQ:

(2-15-22)

SPD 01-830

The Contractor shall arrive on site within **Forty Eight (48)** hours of notification. Compensation will be in addition to the specific line items in the contract. *Emergency Mobilization* will be paid for at the contract unit price per each. Failure to respond within the time frame will result in nonpayment of this item.

Payment will be made under:

Pay Item

Emergency Mobilization

Pay Unit

Each

INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:

(2-20-07)

108

SP1 G14 A

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to the existing traffic pattern. The Contractor shall not close or narrow a lane of traffic on **ANY ROUTE NOT ADDRESSED IN ICT 2** during the following time restrictions:

DAY AND TIME RESTRICTIONS**MONDAY THRU FRIDAY****7:00 AM TO 8:00 AM****AND****5:00 PM TO 6:00 PM**

In addition, the Contractor shall not close or narrow a lane of traffic on **ANY ROAD**, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of **7:00 AM** December 31st and **4:00 PM** January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until **4:00 PM** the following Tuesday.
3. For **Easter**, between the hours of **7:00 AM** Thursday and **4:00 PM** Monday.
4. For **Memorial Day**, between the hours of **7:00 AM** Friday and **4:00 PM** Tuesday.
5. For **Independence Day**, between the hours of **7:00 AM** the day before Independence Day and **4:00 PM** the day after Independence Day.

If **Independence Day** is on a Friday, Saturday, Sunday or Monday, then between the hours of **7:00 AM** the Thursday before Independence Day and **4:00 PM** the Tuesday after Independence Day.

6. For **Labor Day**, between the hours of **7:00 AM** Friday and **4:00 PM** Tuesday.
7. For **Thanksgiving Day**, between the hours of **7:00 AM** Tuesday and **4:00 PM** Monday.
8. For **Christmas**, between the hours of **7:00 AM** the Friday before the week of Christmas Day and **4:00 PM** the following Tuesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures will not be required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated above and place traffic in the existing traffic pattern.

The liquidated damages are **Two Hundred Fifty Dollars (\$ 250.00)** per hour.

INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES:

(3-04-16)

SP1 G14 B

The Contractor shall complete the required work of installing, maintaining, and removing the traffic control devices for lane closures and restoring traffic to a multi-lane two-way traffic pattern.

The Contractor shall not close or narrow a lane of traffic on **I-26 from Buncombe County to Milepost 56.5 in Henderson County** during the following time restrictions:

DAY AND TIME RESTRICTIONS

Dates	Monday through Thursday	Friday	Saturday	Sunday
October 2, 2025 through November 3, 2025 (Leaf Season)	from 6:00A.M. to 7:00 P.M	from 6:00A.M. to 9:00 P.M	from 9:00A.M. to 9:00 P.M	from Noon. to 8:00 P.M
May 21, 2026 through September 8, 2026 (Summer)	from 6:00A.M. to 7:00 P.M	from 6:00A.M. to 9:00 P.M	from 9:00A.M. to 9:00 P.M	from Noon. to 8:00 P.M
November 21, 2025 through January 7, 2026 (Christmas Retail)	from 6:00A.M. to 9:00 P.M	All Times	All Times	All Times
December 17, 2025 through January 7, 2026 (Christmas)	All Times	All Times	All Times	All Times
April 2, 2026 through April 6, 2026 (Easter)	All Times	All Times	All Times	All Times
May 22, 2026 through May 26, 2026 (Memorial Day)	All Times	All Times	All Times	All Times
12:00 Noon July 2, 2026 through 8:00 AM July 7, 2026 (Independence Day)	All Times	All Times	All Times	All Times

August 28, 2025 through September 2, 2025 (Labor Day)	All Times	All Times	All Times	All Times
November 25, 2025 through December 1, 2025 (Thanksgiving)	All Times	All Times	All Times	All Times

The Contractor shall not close or narrow a lane of traffic on **I-26 from Mile Marker 56.5 in Henderson County to South Carolina State Line in Polk County; US 25 from South Carolina Line to I-26 in Henderson County; and US 74 from I-26 to Rutherford County Line in Polk County** during the following time restrictions:

DAY AND TIME RESTRICTIONS

Dates	Monday through Thursday	Friday	Saturday	Sunday
December 17, 2025 through January 7, 2026 (Christmas)	All Times	All Times	All Times	All Times
April 2, 2026 through April 6, 2026 (Easter)	All Times	All Times	All Times	All Times
May 22, 2026 through May 26, 2026 (Memorial Day)	All Times	All Times	All Times	All Times
12:00 Noon July 2, 2026 through 8:00 AM July 7, 2026 (Independence Day)	All Times	All Times	All Times	All Times
August 28, 2025 through September 2, 2025 (Labor Day)	All Times	All Times	All Times	All Times
November 25, 2025 through December 1, 2025 (Thanksgiving)	All Times	All Times	All Times	All Times
October 2, 2025 through November 3, 2025 (Leaf Season)	from 6:00A.M. to 7:00 P.M	from 6:00A.M. to 9:00 P.M	from 9:00A.M. to 9:00 P.M	from Noon. to 8:00 P.M

In addition, the Contractor shall not close or narrow a lane of traffic on Non-Freeway Routes, detain and/or alter the traffic flow on or during holidays, holiday weekends, special events, or any other time when traffic is unusually heavy, including the following schedules:

HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.

2. For **New Year's Day**, between the hours of 4:00 p.m. December 31st and 7:00 a.m. January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until 7:00 a.m. the following Tuesday.
3. For **Easter**, between the hours of 4:00 p.m. Thursday and 7:00 a.m. Monday.
4. For **Memorial Day**, between the hours of 4:00 p.m. Friday and 7:00 a.m. Tuesday.
5. For **Independence Day**, between the hours of 4:00 p.m. the day before Independence Day and 7:00 a.m. the day after Independence Day.

If **Independence Day** is on a Friday, Saturday, Sunday or Monday, then between the hours of 4:00 p.m. the Thursday before Independence Day and 7:00 a.m. the Tuesday after Independence Day.
6. For **Labor Day**, between the hours of 4:00 p.m. Friday and 7:00 a.m. Tuesday.
7. For **Thanksgiving Day**, between the hours of 4:00 p.m. Tuesday and 7:00 a.m. Monday.
8. For **Christmas**, between the hours of 4:00 p.m. the Friday before the week of Christmas Day and 7:00 a.m. the following Tuesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Year's, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures are not required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract work shall be the time the Contractor begins to install all traffic control devices for lane closures according to the time restrictions listed herein.

The completion time for this intermediate contract work shall be the time the Contractor is required to complete the removal of all traffic control devices for lane closures according to the time restrictions stated herein and place traffic in a normal traffic pattern.

The liquidated damages are **Two Hundred Fifty Dollars (\$250.00)** per hour.

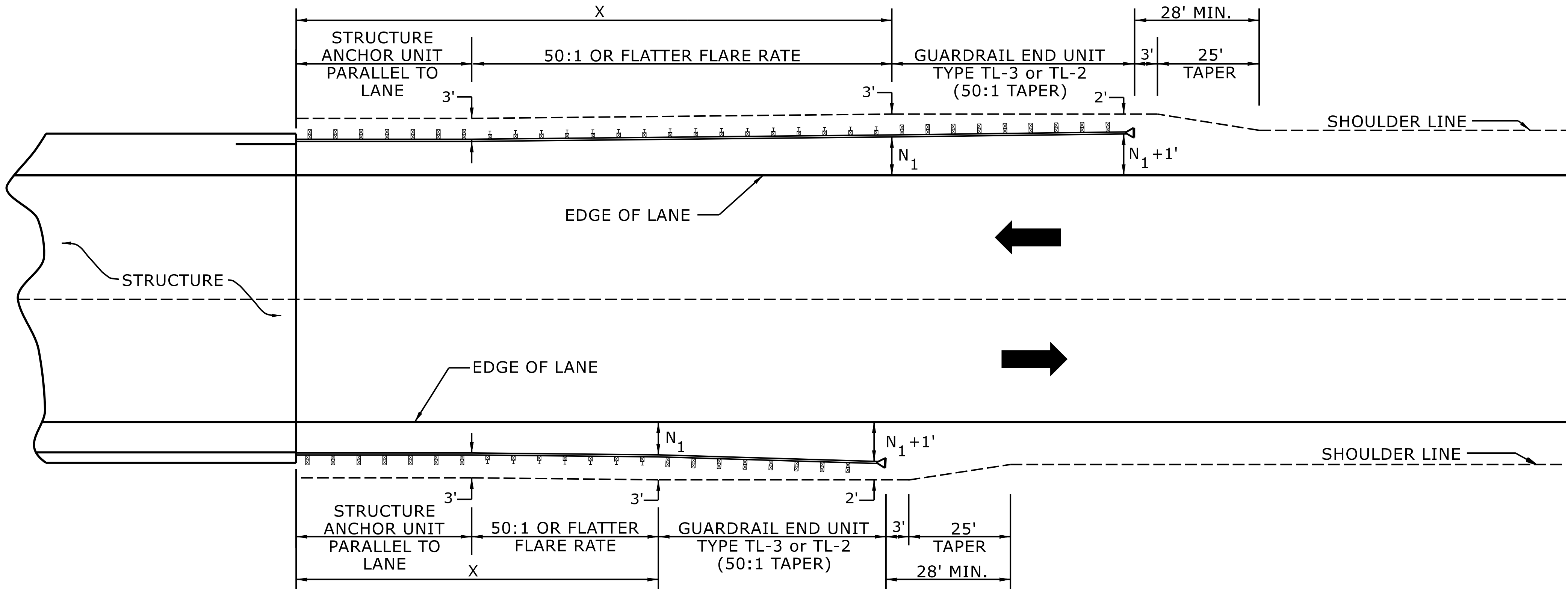
NO MAJOR CONTRACT ITEMS:

(2-19-02) (Rev. 8-21-07)

104

SP1 G31

None of the items included in this contract will be major items.



USE FLARE RATE AS THE CONTROL IF THE " N_1 " DISTANCE IS NOT OBTAINED.
(" N_1 " IS BASED ON SHOULDER WIDTHS IN THE ROADWAY DESIGN MANUAL)

SEE STD. 862.03 FOR STRUCTURE ANCHOR UNITS

FOR POSTED SPEEDS \geq 45MPH USE GREU TYPE TL-3
FOR POSTED SPEEDS $<$ 45MPH USE GREU TYPE TL-2

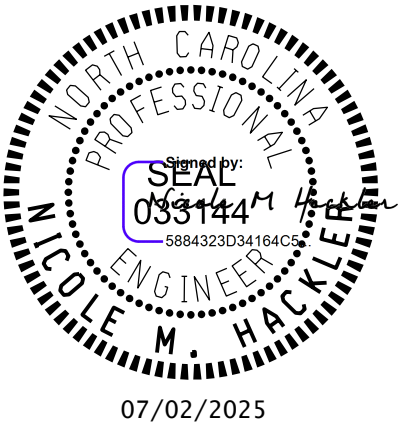
GUARDRAIL LENGTH OF NEED (X) IS CALCULATED BASED ON THE AASHTO ROADSIDE DESIGN GUIDE.

LENGTHS AND OFFSETS FOR PROPOSED GUARDRAIL AT TWO LANE - TWO WAY LOCATIONS

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 4 OF 15
862D01



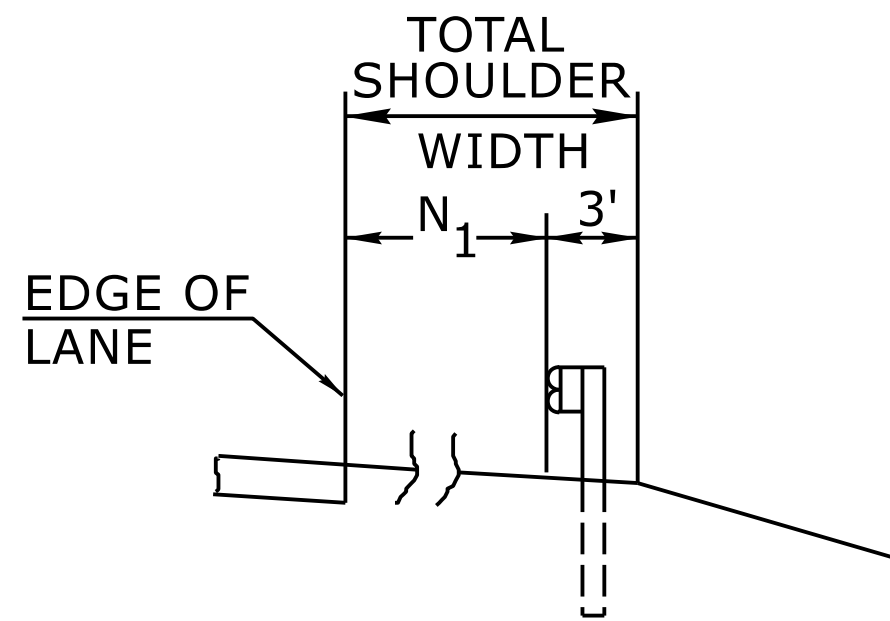
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UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

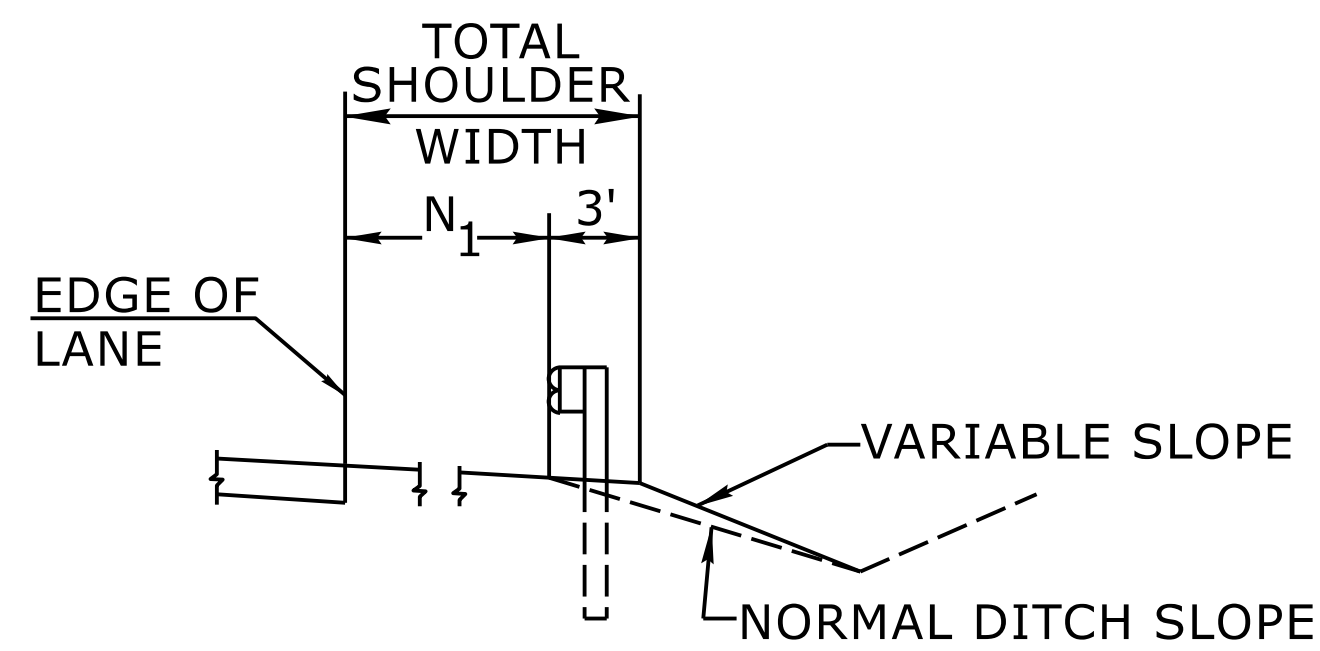
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

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MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.:

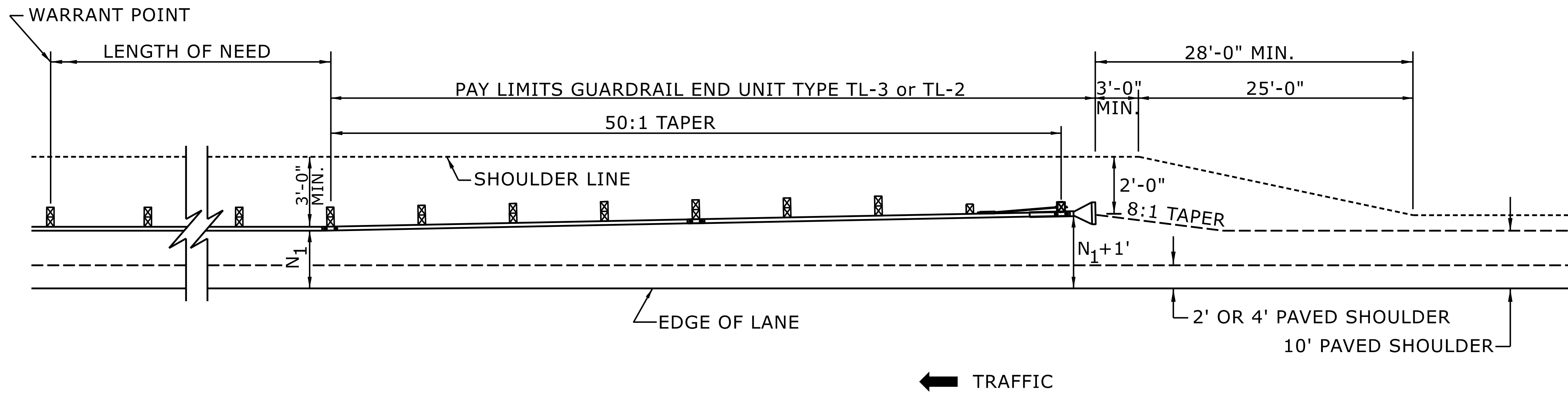


FILL SECTION



CUT SECTION

"N₁"= DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.



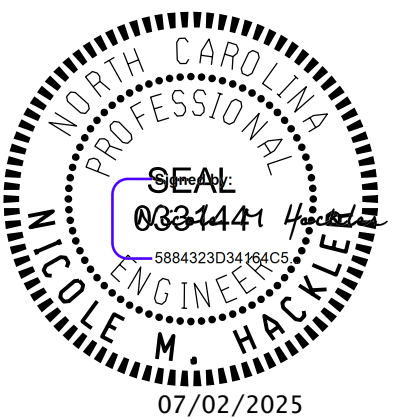
FOR POSTED SPEEDS \geq 45mph USE GREU TYPE TL-3
FOR POSTED SPEEDS $<$ 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 6 OF 15
862D01

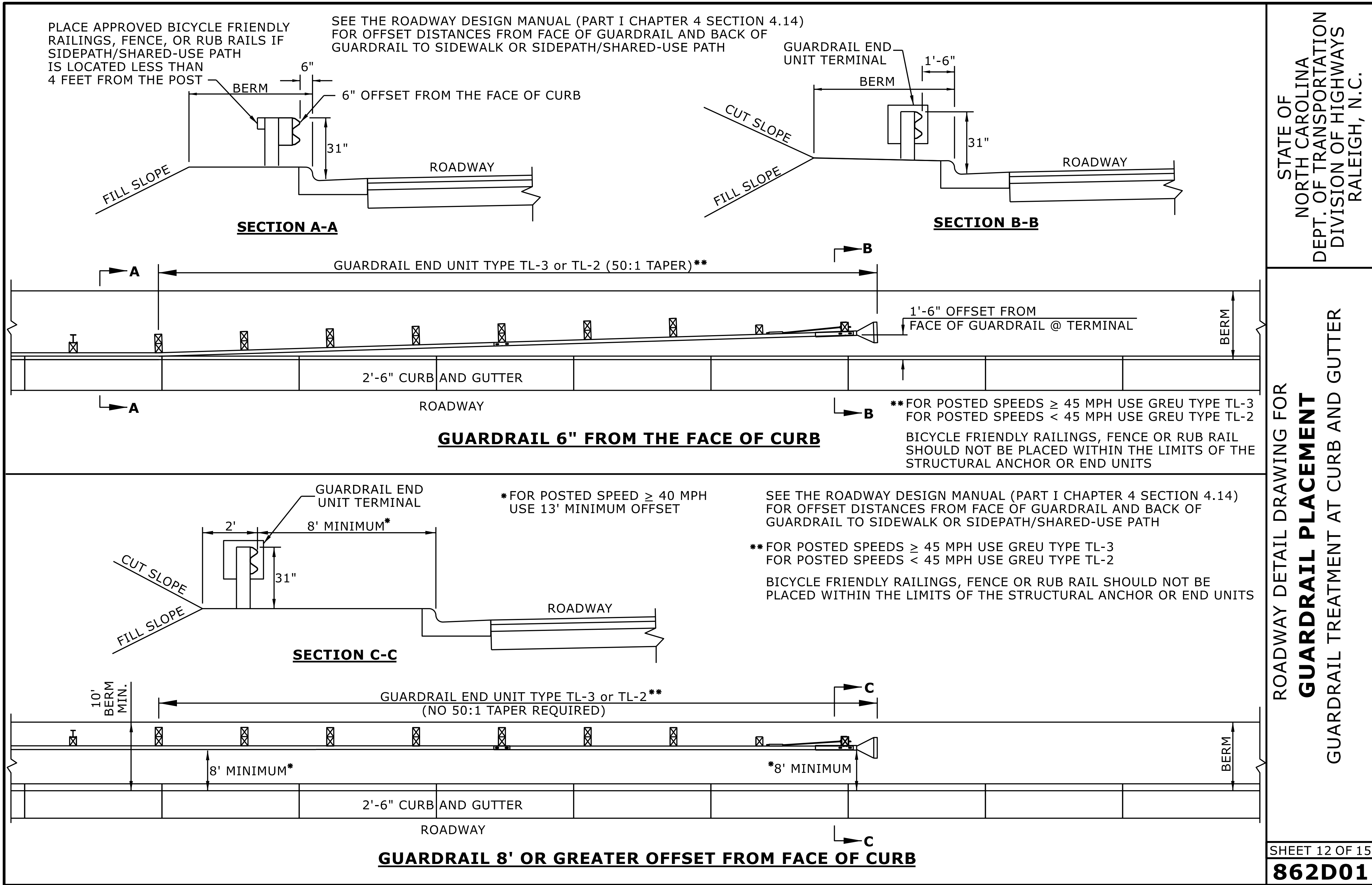


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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

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MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:



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CONTRACTS STANDARDS
AND DEVELOPMENT UNIT

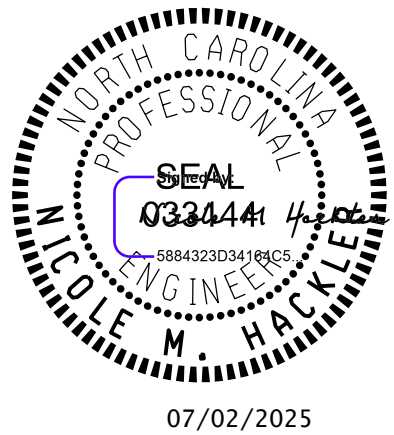
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

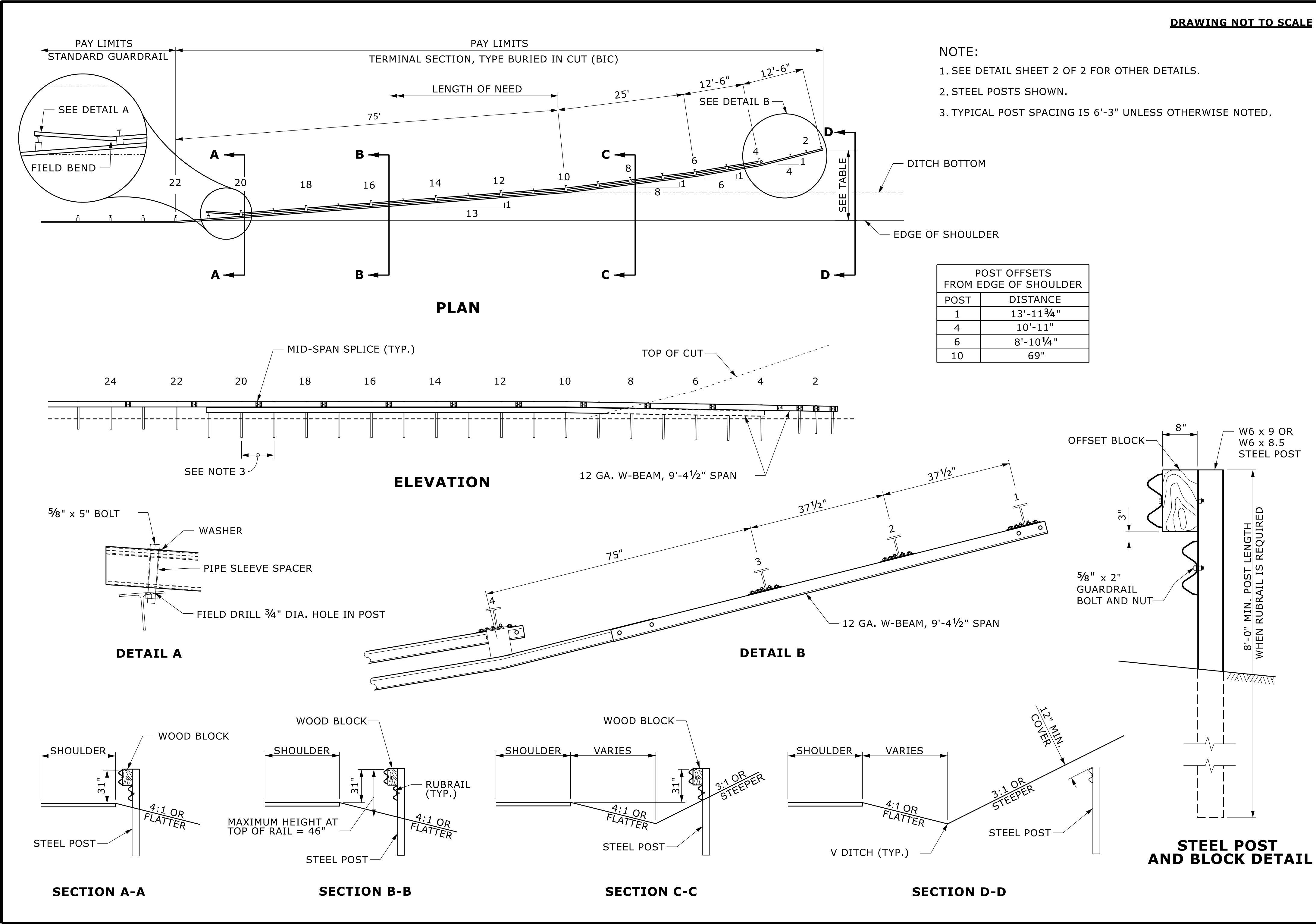
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FILE SPEC.:	

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DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT
BURIED IN CUT END UNIT



SHEET 14 OF 15
862D01



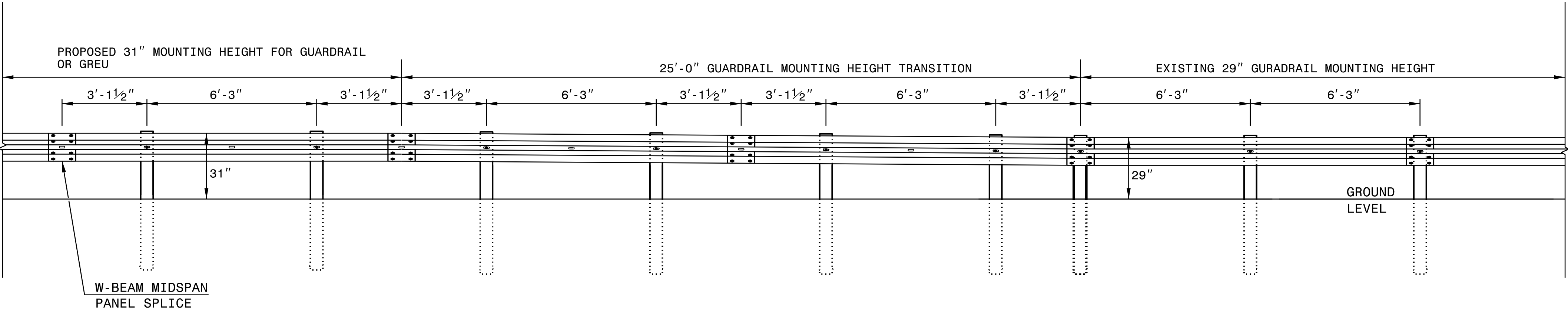
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

NOTE: IF EXISTING GUARDRAIL IS LOWER THAN 29", USE AN ADDITIONAL 12'-6" LONG SECTION OF GUARDRAIL, FOR EVERY 1" OF HEIGHT DIFFERENCE, TO TRANSITION FROM EXISTING GUARDRAIL TO PROPOSED 31" GUARDRAIL.



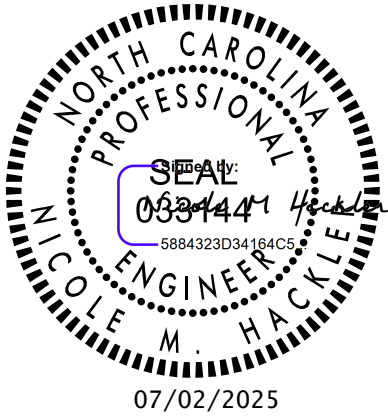
ELEVATION VIEW

TRANSITION FROM 29" TO 31" W-BEAM GUARDRAIL MOUNTING HEIGHT

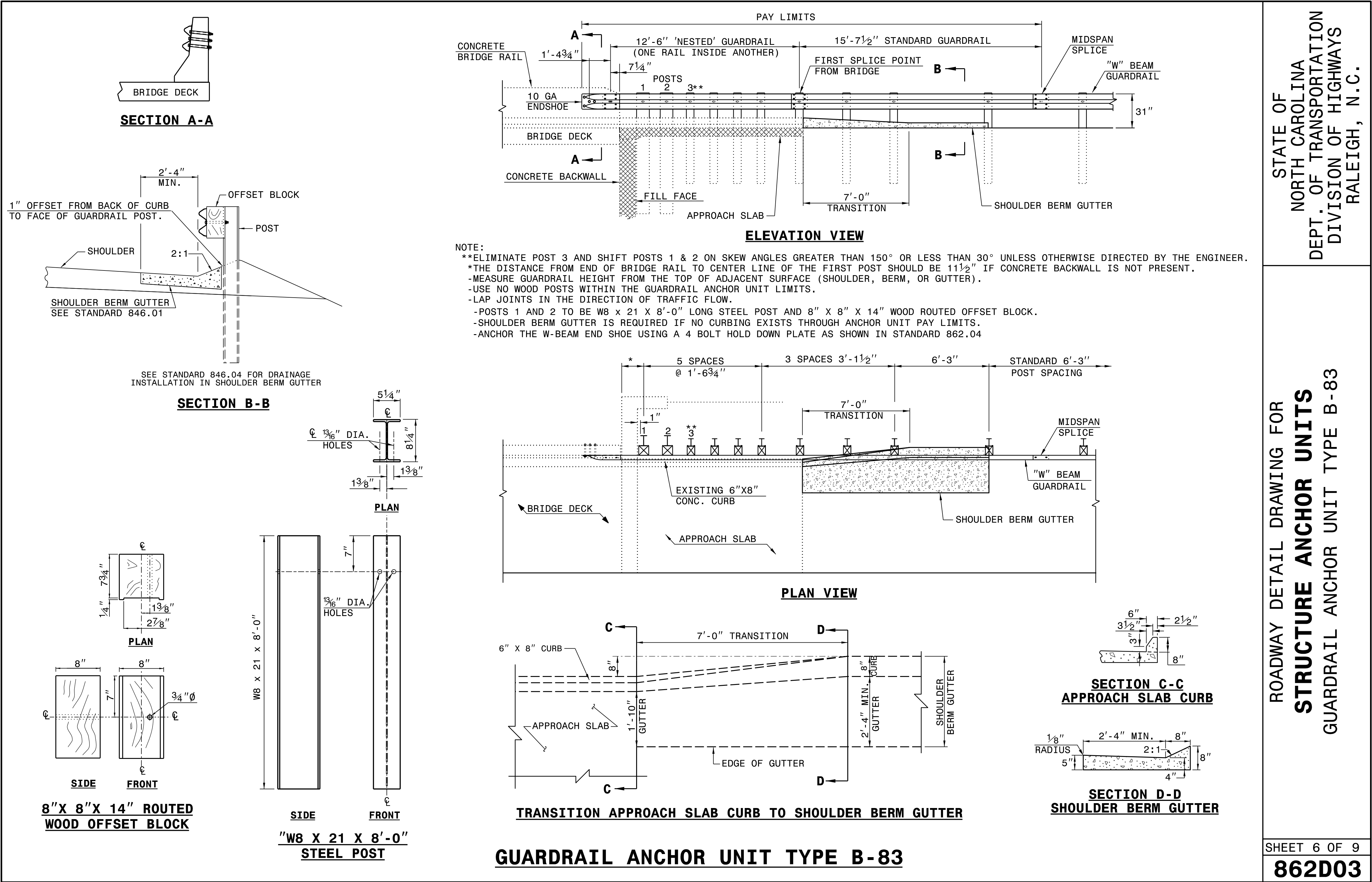
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 5 OF 9
862D02



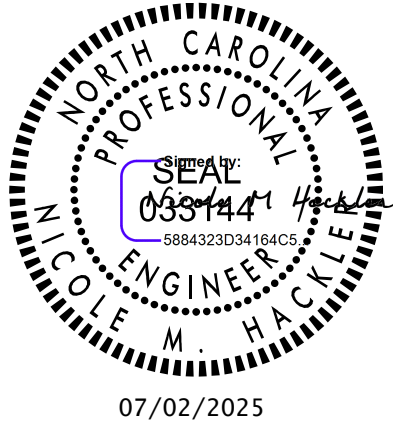
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-8950 FAX 919-250-4119	
SEE TITLE BLOCK	
ORIGINAL BY: K. Aldridge	DATE: 02-25
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	



STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT TYPE B-83

SHEET 6 OF 9
862D03

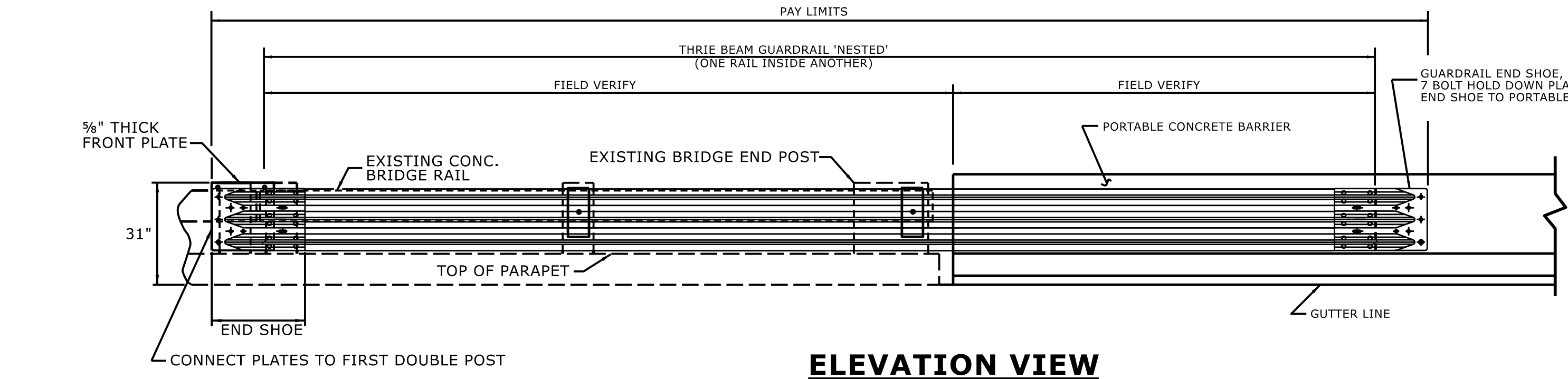


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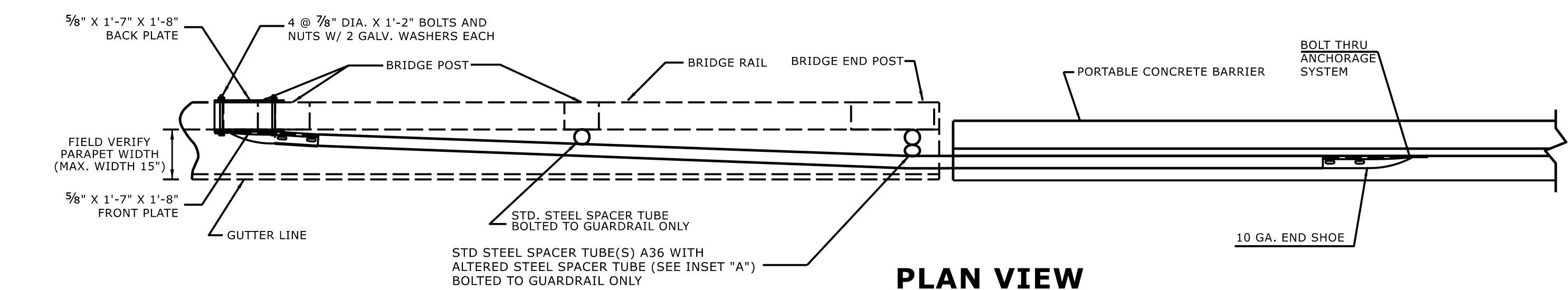
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

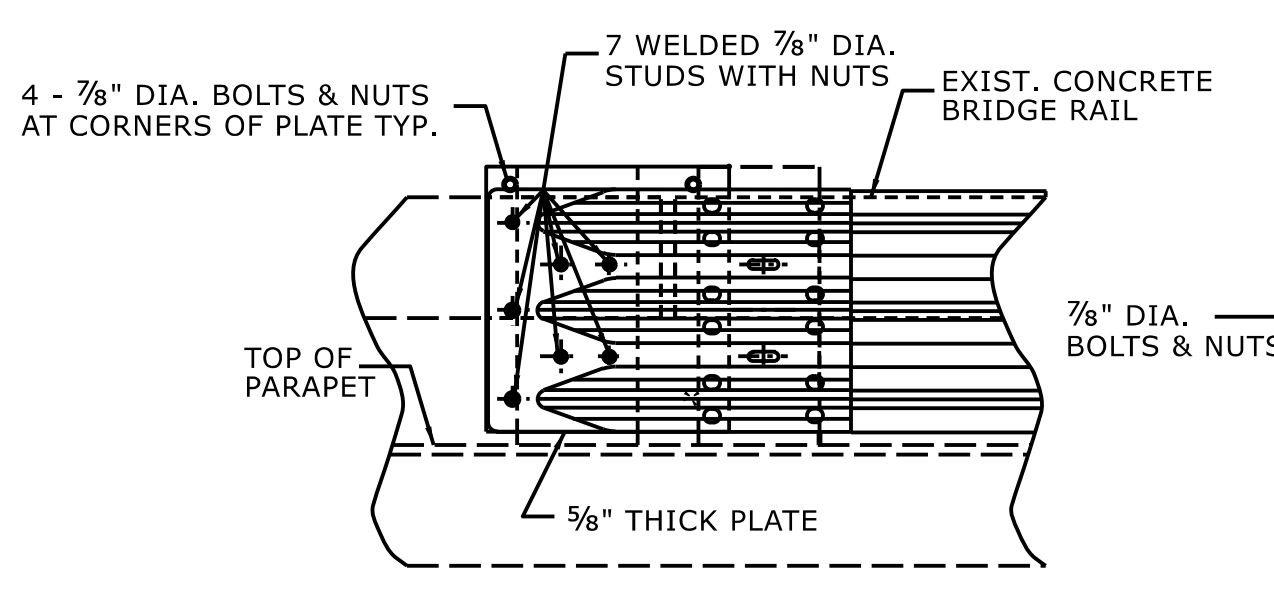
ORIGINAL BY: K. Aldridge DATE: 06-02-2025
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: _____



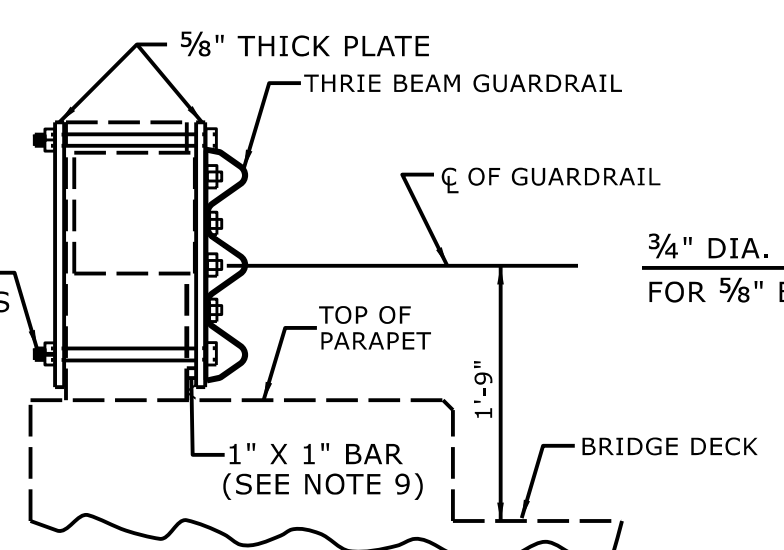
ELEVATION VIEW



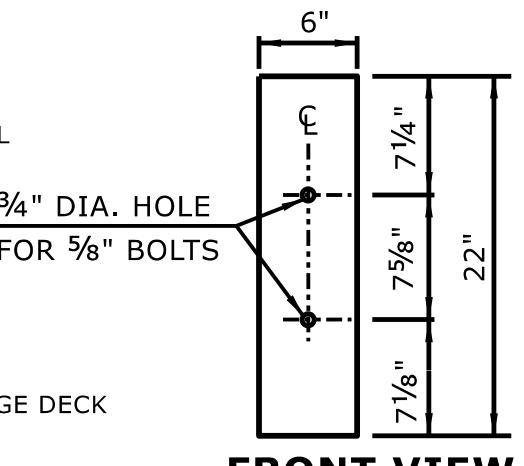
PLAN VIEW



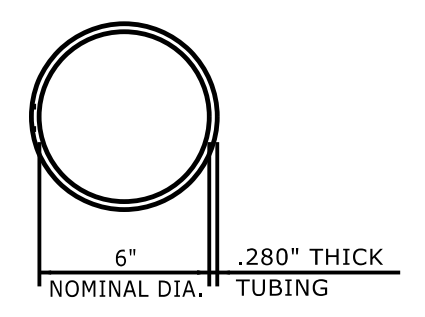
ELEVATION VIEW



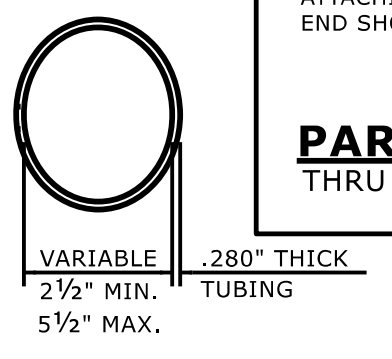
SECTION VIEW



FRONT VIEW

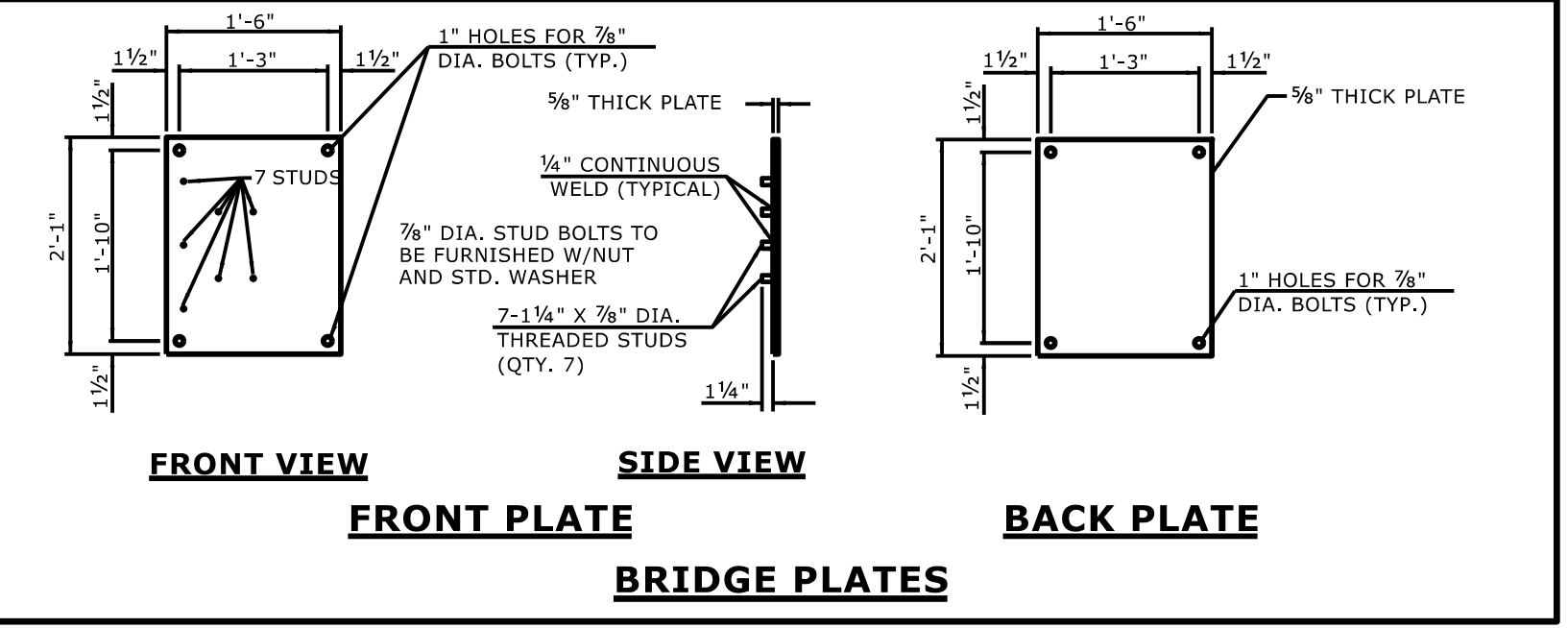


PLAN VIEW



**PLAN VIEW
INSET "A"**

STEEL SPACER TUBE



FRONT VIEW

SIDE VIEW

FRONT PLATE

BACK PLATE

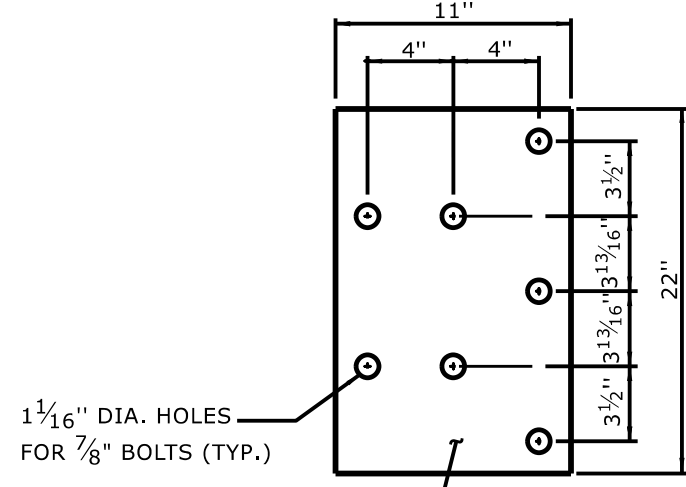
BRIDGE PLATES

NOTES FOR 7 BOLT HOLD DOWN PLATE

THE GUARDRAIL ANCHOR ASSEMBLY SHALL CONSIST OF A 1/4" HOLD DOWN PLATE AND 7 - 7/8" DIA. BOLTS WITH NUTS AND WASHERS.

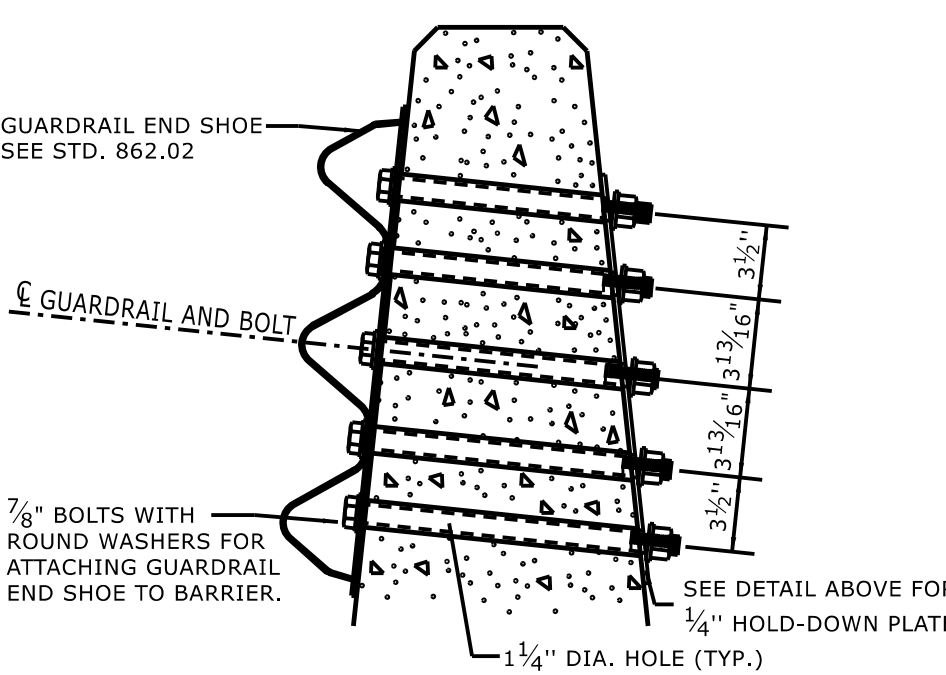
THE HOLD-DOWN PLATE SHALL CONFORM TO AASHTO M270 GRADE 36. AFTER FABRICATION, THE HOLD-DOWN PLATE SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111.

AFTER INSTALLATION, THE EXPOSED THREAD OF THE BOLT SHALL BE BURRED WITH A SHARP POINTED TOOL. THE 1/4" DIA. HOLES SHALL BE FORMED OR DRILLED WITH A CORE BIT. IMPACT TOOLS WILL NOT BE PERMITTED. ANY CONCRETE DAMAGED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.



1 1/2" DIA. HOLES FOR 7/8" BOLTS (TYP.)

7 BOLT HOLD DOWN PLATE



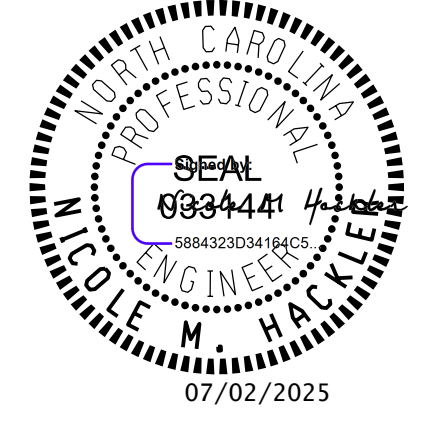
**PART SECTION OF BARRIER OR RAIL
THRU END SHOE SECTION AND 7 BOLT HOLD DOWN PLATE**

- GENERAL NOTES:
1. USE NUTS, BOLTS, AND WASHERS CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A-307 AND GALVANIZED IN ACCORDANCE WITH SECTION 1076 OF STAND. SPECS.
 2. TAP NUTS FOR THE 7/8" DIA. STUDS AND BOLTS AFTER GALVANIZING SEE A.S.T.M. A-563.
 3. USE PLATES AND TUBES CONFORMING TO THE REQUIREMENTS OF A.S.T.M. A-36 AND GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SECTION 1076 OF STAND. SPECS.
 4. ADDITIONAL FIELD HOLES MAY BE DRILLED IN STEEL RAIL AS DIRECTED BY THE ENGINEER.
 5. INSTALL FACE OF GUARDRAIL AS NEAR AS POSSIBLE TO PLUMB WITH THE PARAPET FACE AT BRIDGE END POST SPACER TUBE LOCATION BY USING STANDARD OR ALTERED SPACER TUBES OR A COMBINATION THEREOF OR AS DIRECTED BY THE ENGINEER. FOR VERY SMALL PARAPET WIDTHS, GUARDRAIL MAY BE INSTALLED AGAINST BRIDGE RAIL WITHOUT SPACER TUBES.
 6. DO NOT DRILL BRIDGE RAIL IN ORDER TO INSTALL GUARDRAIL ANCHOR UNIT.
 7. USE THIS DETAIL ONLY FOR BRIGES WITH POST AND BEAM TYPE RAIL.
 8. ATTACH 1" X 1" BAR AND THREADED STUDS TO PLATE WITH 1/4" WELDS ALL AROUND.
 9. 1" X 1" BAR MAY NOT BE NEEDED ON BRIDGE RAILS WHERE FACE OF RAIL DOES NOT PROJECT BEYOND FACE OF POST.
 10. PROVIDE SHOP DRAWINGS OF THE PLATES TO THE ENGINEER FOR APPROVAL BEFORE FABRICATING THE PLATES.
 11. LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
 12. SEE ROADWAY STANDARD DRAWING 862.03 SHEET 3 FOR ADDITIONAL INFORMATION ON THE TYPE III ANCHOR UNIT

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
TEMPORARY ANCHOR UNIT TYPE THRIE-BEAM

SHEET 8 OF 9
862D03



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN	DATE: 7-25-2024
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12177664							
Line #	Item Number	Sec #	Description	Qty	Units	Unit Cost	Extended Amount
ROADWAY ITEMS							
1	0000915000-N	SP	GENERIC MISCELLANEOUS ITEM EMERGENCY MOBILIZATION	3	EA	\$	\$
2	2703000000-E	854	CONCRETE BARRIER, TYPE ***** (DOUBLE FACED)	500	LF	\$	\$
3	3001000000-N	SP	IMPACT ATTENUATOR, TYPE TL-3	5	EA	\$	\$
4	3001500000-N	SP	IMPACT ATTENUATOR, TYPE TL-2	5	EA	\$	\$
5	3030000000-E	862	STEEL BEAM GUARDRAIL	2500	LF	\$	\$
6	3060000000-E	862	STEEL BEAM GUARDRAIL, DOUBLE FACED	300	LF	\$	\$
7	3075000000-E	862	TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	300	LF	\$	\$
8	3105000000-N	862	STEEL BEAM GUARDRAIL TERMINAL SECTIONS	2	EA	\$	\$
9	3120000000-E	862	20" TUBULAR TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	225	LF	\$	\$
10	3135000000-N	862	W-TR STEEL BEAM GUARDRAIL TRANSITION SECTIONS	30	EA	\$	\$
11	3140000000-E	862	25' CLEAR SPAN GUARDRAIL SECTIONS	35	EA	\$	\$
12	3145000000-E	862	EXTRA LENGTH GUARDRAIL POSTS (8' STEEL)	200	EA	\$	\$
13	3145000000-E	862	EXTRA LENGTH GUARDRAIL POSTS (10' STEEL)	150	EA	\$	\$
14	3145000000-E	862	EXTRA LENGTH GUARDRAIL POSTS (12' STEEL)	150	EA	\$	\$
15	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	150	EA	\$	\$
16	3180000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE ***** (BURIED IN CUT)	15	EA	\$	\$
17	3180000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE***** (THRIE-BEAM)	10	EA	\$	\$
18	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	40	EA	\$	\$
19	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT- 1	40	EA	\$	\$
20	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	20	EA	\$	\$
21	3287000000-N	862	GUARDRAIL END UNITS, TYPE TL-3	30	EA	\$	\$
22	3288000000-N	862	GUARDRAIL END UNITS, TYPE TL-2	30	EA	\$	\$
23	3289000000-N	862	GUARDRAIL END UNITS, TYPE MEDIAN TL-3	2	EA	\$	\$
24	3317000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B-77	3	EA	\$	\$
25	3319000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B-83	2	EA	\$	\$
26	3345000000-E	864	REMOVE AND RESET EXISTING GUARDRAIL	1500	LF	\$	\$

27	3347000000-E	864	REMOVE AND RESET EXISTING GUIDERAIL	150	LF	\$	\$
28	3360000000-E	863	REMOVE EXISTING GUARDRAIL	500	LF	\$	\$
29	3365000000-E	863	REMOVE EXISTING GUIDERAIL	5	LF	\$	\$
30	3375000000-E	SP	REMOVE & STOCKPILE EXISTING GUARDRAIL	250	LF	\$	\$
31	3389200000-E	865	CABLE GUIDERAIL	525	LF	\$	\$
32	3389400000-E	865	DOUBLE FACED CABLE GUIDERAIL	150	LF	\$	\$
33	3389500000-N	865	ADDITIONAL GUIDERAIL POSTS	30	EA	\$	\$
34	3389600000-N	865	CABLE GUIDERAIL ANCHOR UNITS	3	EA	\$	\$
35	3420000000-E	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED STEEL BEAM GUARDRAIL	2000	LF	\$	\$
36	3420000000-E	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED TRIPLE CORRUGATED STEEL BEAM GUARDRAIL	150	LF	\$	\$
37	3420000000-E	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED STEEL BEAM GUARDRAIL, SHOP CURVE	525	LF	\$	\$
38	3420000000-E	SP	GENERIC GUARDRAIL ITEM POWDER COATED STEEL BEAM GUARDRAIL	500	LF	\$	\$
39	3420000000-E	SP	GENERIC GUARDRAIL ITEM POWDER COATED STEEL BEAM GUARDRAIL, SHOP CURVE	125	LF	\$	\$
40	3421000000-E	862	GENERIC GUARDRAIL ITEM STEEL BEAM GUARDRAIL, NEW INSTALL	250	LF	\$	\$
41	3421000000-E	862	GENERIC GUARDRAIL ITEM STEEL BEAM GUARDRAIL, 2'- 1" HEIGHT TRANSITION	25	LF	\$	\$
42	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL END UNITS, TYPE TL-3	15	EA	\$	\$
43	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL END UNITS, TYPE AT-1	15	EA	\$	\$
44	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED ADDITONAL GUARDRAIL POSTS	35	EA	\$	\$
45	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALV W-TR STEEL BEAM GUARDRAIL TRANSITION SECTION	8	EA	\$	\$
46	3435000000-N	SP	GENERIC GUARDRAIL ITEM PAINTED GALVANIZED GUARDRAIL ANCHOR UNITS, TYPE III	8	EA	\$	\$
47	3435000000-N	SP	GENERIC GUARDRAIL ITEM POWDER COATED TL-3	15	EA	\$	\$
48	3435000000-N	SP	GENERIC GUARDRAIL ITEM POWDER COATED TL-2	15	EA	\$	\$

49	3435000000-N	SP	GENERIC GUARDRAIL ITEM POWDER COATED AT-1	15	EA	\$	\$
50	3435000000-N	SP	GENERIC GUARDRAIL ITEM POWDER COATED CAT-1	15	EA	\$	\$
51	3436000000-N	862	GENERIC GUARDRAIL ITEM GUARDRAIL POST BOX CULVERT ANCHOR UNIT	1	EA	\$	\$
52	3500000000-E	866	WOVEN WIRE FENCE, *** FABRIC (47")	100	LF	\$	\$
53	3509000000-E	866	4" TIMBER FENCE POSTS, 7'- 6" LONG	50	EA	\$	\$
54	3515000000-E	866	5" TIMBER FENCE POSTS, 8'- 0" LONG	50	EA	\$	\$
55	3533000000-E	866	CHAIN LINK FENCE, *** FABRIC (96")	100	LF	\$	\$
56	3539000000-E	866	METAL LINE POSTS FOR *** CHAIN LINK FENCE (96)	1	EA	\$	\$
57	3545000000-E	866	METAL TERMINAL POSTS FOR *** CHAIN LINK FENCE (96)	1	EA	\$	\$
58	3557000000-E	866	ADDITIONAL BARBED WIRE	100	LF	\$	\$
59	3575000000-E	SP	GENERIC FENCING ITEM WILDLIFE FENCE, 72" FABRIC	100	LF	\$	\$
60	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM TWO LANE WORK ZONE TRAFFIC CONTROL	50	DAY	\$	\$
61	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM MULTI-LANE WORK ZONE TRAFFIC CONTROL	50	DAY	\$	\$
62	4609000000-N	SP	GENERIC TRAFFIC CONTROL ITEM SHOULDER CLOSUREWORK ZONE TRAFFIC CONTROL	50	DAY	\$	\$
Total Amount Of Bid For Entire Project:							\$

ITEMIZED PROPOSAL FOR CONTRACT NO. DN12177664

Contractor: _____

Address: _____

Phone: _____ Federal ID: _____

Contractor License Number (If Available): _____

Authorized Agent: _____ Title: _____

Signature: _____ Date: _____