



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

November 14, 2022

ADDENDUM #1

MEMO TO: Plan Holders

FROM: Jennifer A. Sour
Division Proposal Engineer

DocuSigned by:
Jennifer A. Sour
B213233052CA46B...

CONTRACT ID: DG00591
WBS ELEMENT NO.: 2023CPT.07.06.10791 and 2023CPT.07.06.20791
COUNTY: ROCKINGHAM
LOCATION: NC 14 NORTH FROM SR 2037 TO US 311, US 311 FROM
NC 14 TO SR 1962 (E. KINGS HIGHWAY) & SR 2686
(RICHARDSON DRIVE) FROM S. MAIN ST. TO SR 2817
(BARNES ST.)
TYPE OF WORK: MILLING, RESURFACING AND PAVEMENT MARKINGS

To whom it may concern:

Corrections have been made to the plans and the contract due to the change in a pay item – Inductive Loop Sawcut has changed to Inductive Loop Sawcut (Deep Cut). Please correct the following items:

- Remove and replace sheet 15. See attached sheet for the replacement.
- A detail has also been added to the plan sheets. See the attached sheet for insert.
- Remove and replace sheet 4, RDY – 18 and T-2 in the contract. See the attached sheets for replacement.

You will also need to update the ebx file and replace it with DG00591x.

If you have any questions, please feel free to contact me at (336) 487-0075. Thank you.

JAS

ec: Website

Mailing Address:
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DIVISION OF HIGHWAYS DIVISION 7
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1584 YANCEYVILLE STREET
GREENSBORO, NC 27405

Website: ncdot.gov

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.07.06.10791, 2023CPT.07.06.20791	15	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1220000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	2830000000-N	2845000000-N	7990000000-E	
												INCIDENTAL STONE	MILLING ASPHALT PAVEMENT, ***"DEPTH (1 1/2")	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ADJ. OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	INDUCTIVE LOOP SAW CUT (DEEP CUT)	
											MI	FT	TONS	SY	SY	TONS	TONS	TON	TONS	EA	EA	LF
2023CPT.07.06.10791	Rockingham	1	NC 14	FROM JOINT APPROX. 1200 FT. NORTH OF SR 2037 HARRISON CROSSROAD LOOP TO US 311/HARRINGTON HIGHWAY	1	2		NO	NO	2.969	64	50	123,357	2,026		11,584	696	20			2,225	
TOTAL FOR MAP NO. 1											2.969		50	123,357	2,026		11,584	696	20			2,225
2023CPT.07.06.10791	Rockingham	2	US 311	FROM NC 14 TO JOINT APPROX. 200 FT SOUTH OF SR 1962 E. KINGS HIGHWAYKINGS HWY	1,2	2		NO	NO	1	60		54,982	2,845		5,354	322	20	1	17	2,525	
TOTAL FOR MAP NO. 2											1			54,982	2,845		5,354	322	20	1	17	2,525
TOTAL FOR PROJ NO. 2023CPT.07.06.10792											3.969		50	178,339	4,871		16,938	1,018	40	1	17	4,750
2023CPT.07.06.20791	Rockingham	3	SR 2686 - RICHARDSON DR	FROM S. MAIN ST. TO SR 2817 - BARNES ST	3,4	2	2WU	NO	NO	0.802	24		22,207	23,544	2,251		151	12	1	5	3,000	
TOTAL FOR MAP NO. 3											0.802			22,207	23,544	2,251		151	12	1	5	3,000
TOTAL FOR PROJ NO. 2023CPT.07.06.20791											0.802			22,207	23,544	2,251		151	12	1	5	3,000
GRAND TOTAL											4.771		50	200,546	28,415	2,251	16,938	1,169	52	2	22	7,750

NOTES

- OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH.
- MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS.
- WIRE LOOPS CONNECTED TO THE SAME DETECTOR IN SERIES.
- LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS.
- USE A SERIES OF ONE INCH PIECES OF BACKER ROD SPACED ONE FOOT APART ALONG THE ENTIRE LENGTH OF THE FEEDER SLOT AND LOOP SAW SLOT.
- CONSULT LOOP SEALANT MANUFACTURER TO DETERMINE CURING TIME REQUIRED PRIOR TO MILLING.
- REFER TO STANDARD DRAWING 1725.01 SHEETS 2 AND 3 FOR ADDITIONAL REQUIREMENTS.

SAW SLOT DEPTH CHART
ASSUMING 2" MILLING DEPTH

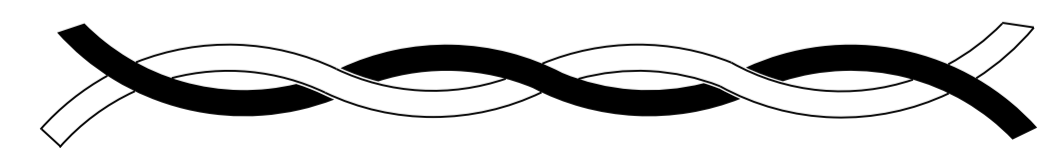
DEPTH (IN)	MAX NO. OF WIRE LAYERS				
	2	3	4	5	6
SAW SLOT DEPTH	4.0	4.5	5.0	5.0	5.0
MINIMUM TOTAL ASPHALT DEPTH REQUIRED	5.0	5.5	6.0	6.0	6.0

LOOP WIRE TWISTING METHOD

INCORRECT WAY TO TWIST WIRE

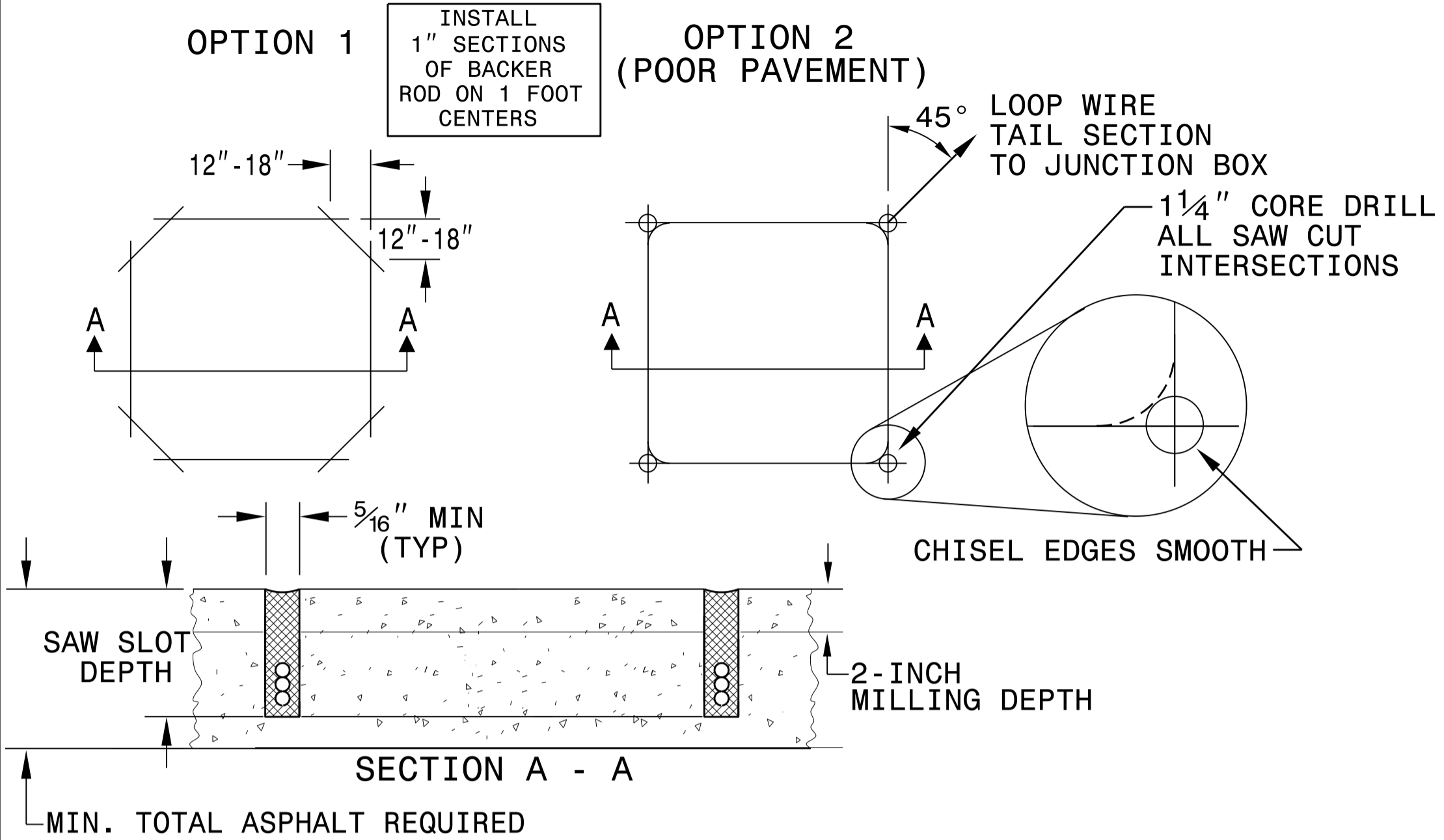


CORRECT WAY TO TWIST WIRE

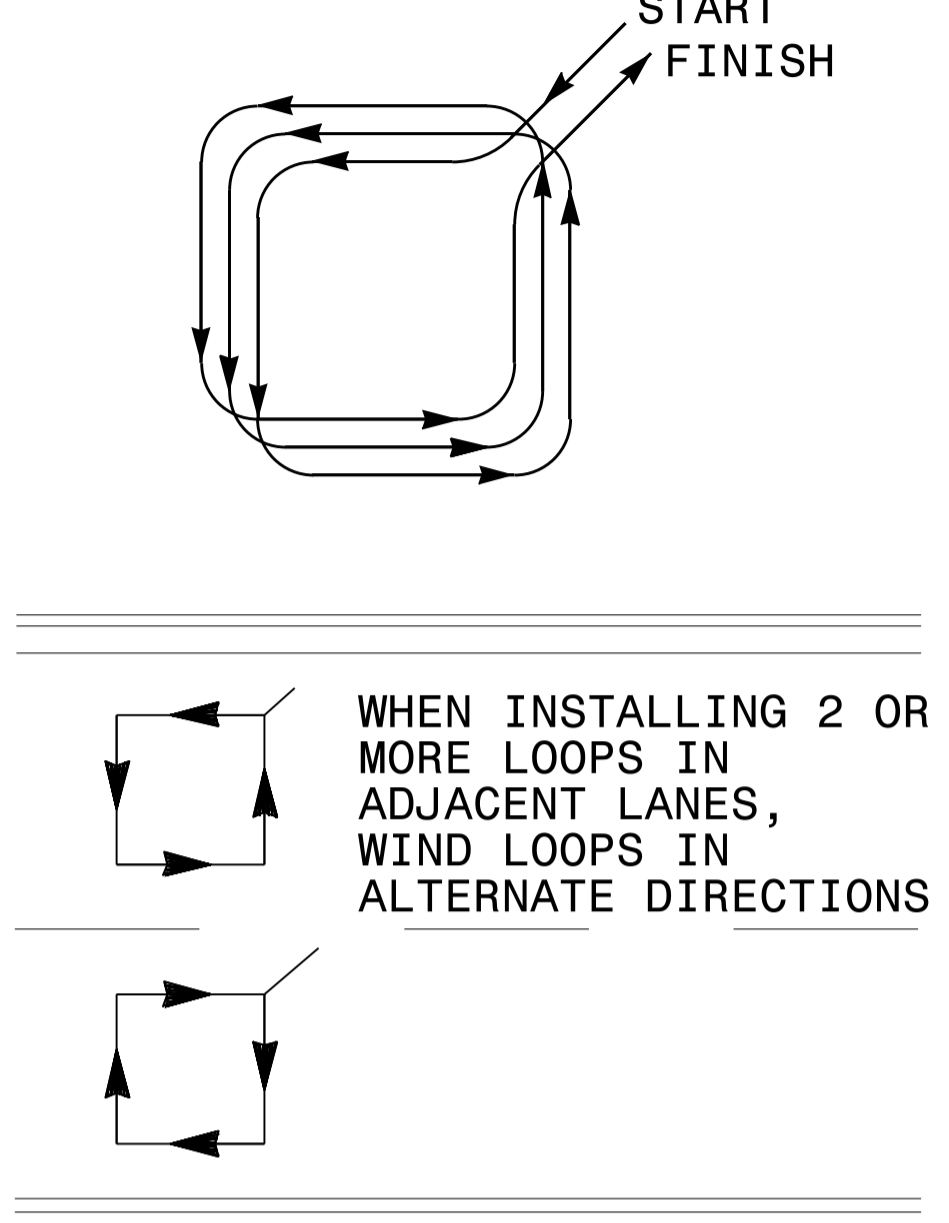


CONVENTIONAL 4-SIDED LOOP

SAW CUT OPTIONS

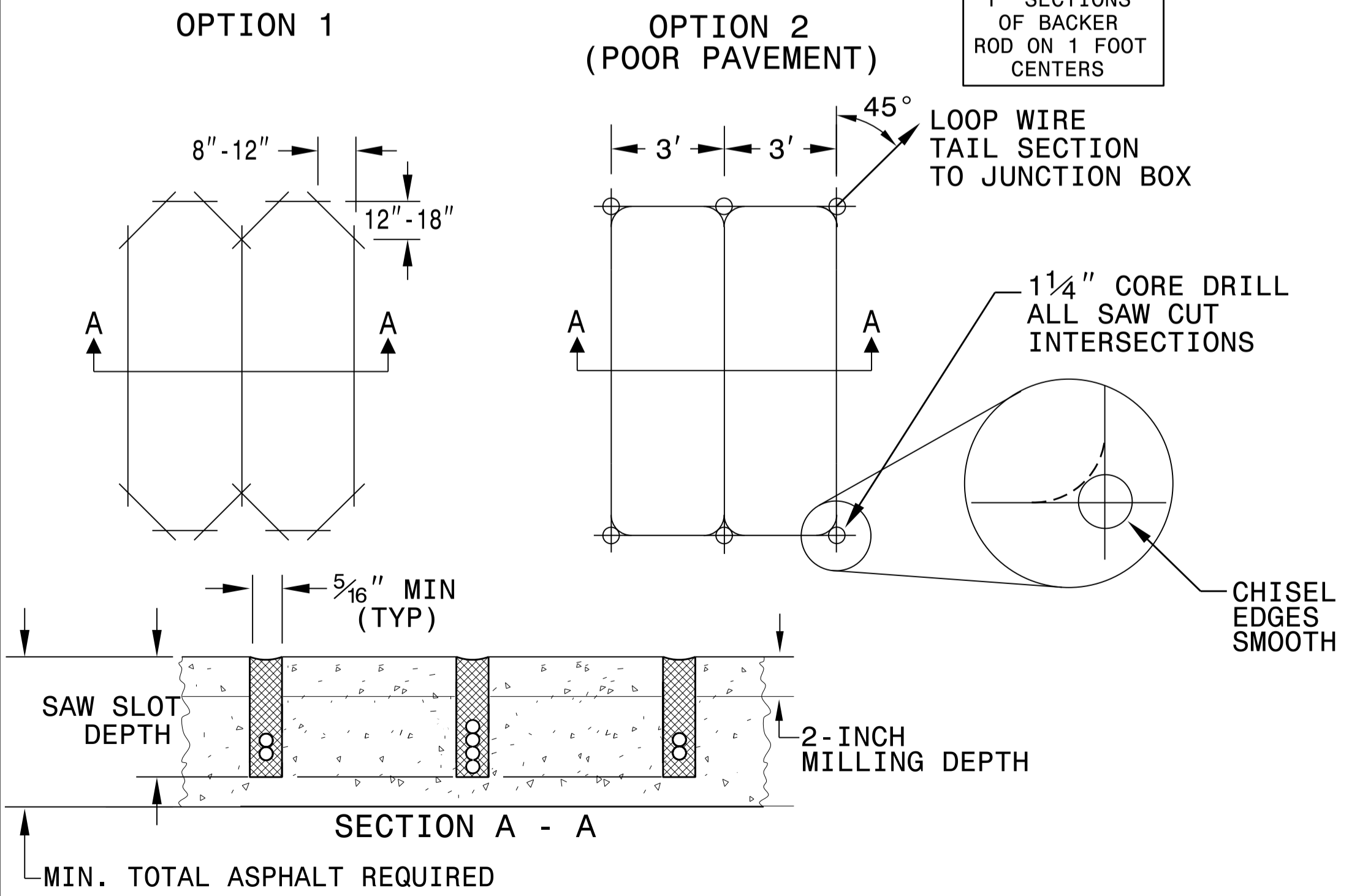


LOOP WINDING METHOD

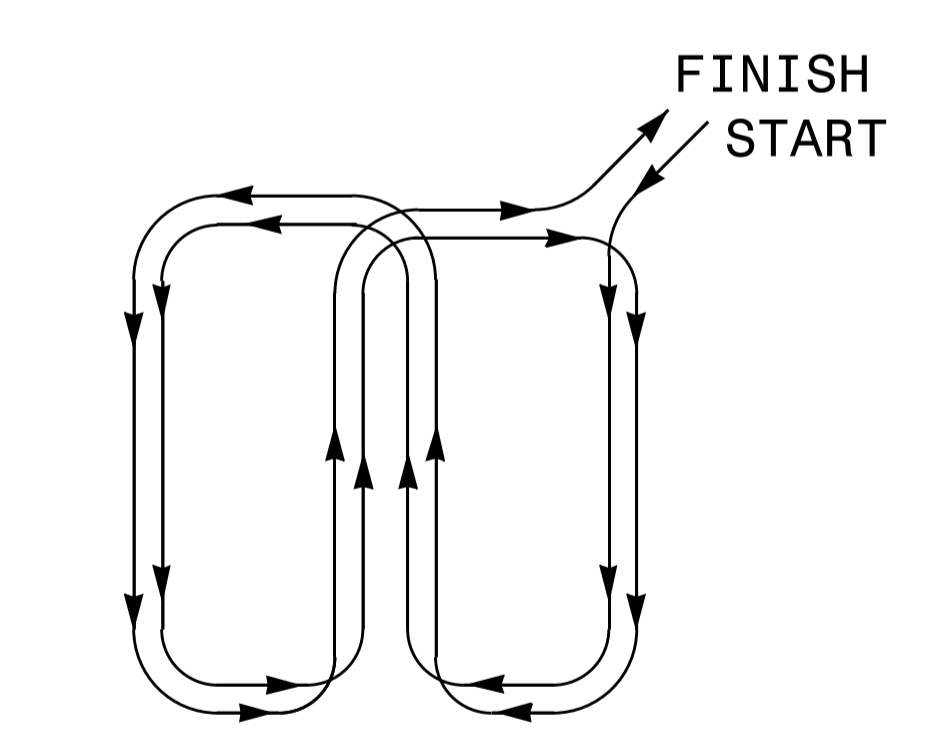


QUADRUPOLE LOOP

SAW CUT OPTIONS

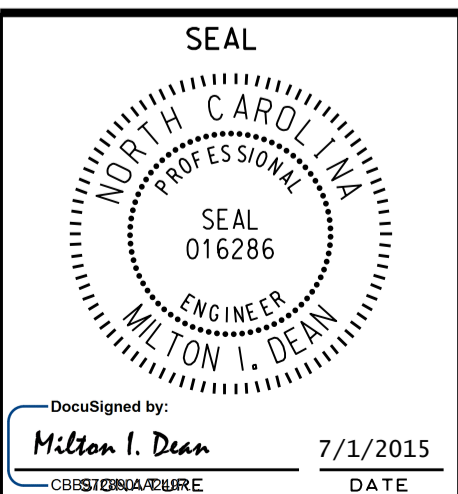
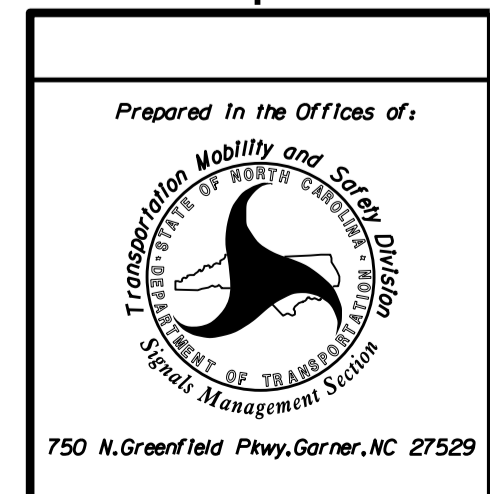


LOOP WINDING METHOD



REVISIONS

1. REMOVED TWISTING NOTES FROM TAIL SECT. TO JUNCTION BOX. 2/26/08 MWH
2. REVISED SECTION A - A DETAILS. 6/29/15 JTP



NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS:.....RDY - 13
MATERIALS FOR PORTLAND CEMENT CONCRETE:.....RDY - 15
MATERIAL AND EQUIPMENT STORAGE & PARKING OF PERSONAL VEHICLES:
.....RDY - 16
WORK ZONE INSTALLER:.....RDY - 17
EXTRUDED THERMOPLASTIC PAVEMENT MARKING THICKNESS:.....RDY - 17
INDUCTIVE DETECTION LOOPS:RDY - 18
PROJECT SPECIAL PROVISIONS-WORK ZONE TRAFFIC CONTROL..... TC - 1
STANDARD SPECIAL PROVISIONS STD - 1
 AVAILABILITY OF FUNDS – TERMINATION OF CONTRACTS STD - 1
 ERRATA STD - 1
 PLANT AND PEST QUARANTINES STD - 5
 MINIMUM WAGES STD - 5
 TITLE VI AND NONDISCRIMINATION: STD - 6
 ON-THE-JOB TRAINING..... STD - 14
LISTING OF MBE/WBE SUBCONTRACTORS.....S - 1
BID BOND.....S - 3
ADDENDA.....S - 10
ITEMIZED PROPOSAL FOR CONTRACT No. DG00591 T - 1
EXECUTION OF BID..... U - 1
DEBARMENT CERTIFICATION..... U - 7
EXECUTION OF CONTRACT..... U - 9

Page 12-7, Table 1205-3, THICKNESS REQUIREMENTS FOR THERMOPLASTIC, replace with the following:

TABLE 1205-3 MINIMUM THICKNESS REQUIREMENTS FOR THERMOPLASTIC	
Thickness	Location
240 mils	In-lane and shoulder-transverse pavement markings (rumble strips). May be placed in 2 passes.
90 mils	Center lines, skip lines, transverse bands, mini-skip lines, characters, bike lane symbols, crosswalk lines, edge lines, gore lines, diagonals, and arrow symbols

INDUCTIVE DETECTION LOOPS:

(11-14-22)

1725

DIV 7

Page 17-21, Article 1725-4, MEASUREMENT AND PAYMENT, add the following after line 40:

Inductive Loop Sawcut (Deep Cut) will be measured and paid as the actual linear feet of inductive loop sawcut (deep cut) furnished, installed and accepted.

Page 17-22, Article 1725-4, MEASUREMENT AND PAYMENT, add the following after Inductive Loop Sawcut:

Inductive Loop Sawcut (Deep Cut)

Linear Foot

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	300 EA		
0019	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	10,600 LF		
0020	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	300 LF		
0021	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	200 LF		
0022	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	100 LF		
0023	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	2 EA		
0024	4891000000-E	1205	GENERIC PAVEMENT MARKING ITEM 24" X 90 M WHITE THERMO	1,010 LF		
0025	4895000000-N	SP	GENERIC PAVEMENT MARKING ITEM NON-CAT IRON SNOWPLOWABLE PAVEMENT MARKERS CRYSTAL/RED	1,351 EA		
0026	7990000000-E	SP	GENERIC SIGNAL ITEM INDUCTIVE LOOP SAWCUT (DEEP CUT)	7,750 LF		

1618/Nov14/Q405453/D94642100000/E26

Total Amount Of Bid For Entire Project :

