



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

August 6, 2018

Addendum No. 1

RE: Contract # C204229

WBS # 2019CPT.03.03.10821, Etc.

STATE FUNDED

Sampson County

1 SECTION OF NC-24, 1 SECTION OF NC-41, 1 SECTION OF NC-411
AND 8 SECTIONS OF SECONDARY ROADS.

August 21, 2018 Letting

To Whom It May Concern:

Reference is made to the plans (Sketch Maps) and proposal form furnished to you on this project.

The following revisions have been made to the plans (Sketch Maps):

Sheet No.	Revisions
4	In the Pavement Schedule, F1 has been revised to Asphalt Surface Treatment – Mat Coat #67 Stone (Granite)
5	In the Pavement Schedule, F1 has been revised to Asphalt Surface Treatment – Mat Coat #67 Stone (Granite)
6	In the Pavement Schedule, F1 has been revised to Asphalt Surface Treatment – Mat Coat #67 Stone (Granite)
10	AST Matcoat column revised to #67 Stone
10	Quantities in Emulsion for AST column revised (See quantity revision below)

Please void the existing sheet in your sketch maps and staple the revised sheet thereto.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 08-6-2018".
G-3	In the project special provision, MAJOR CONTRACT ITEMS, the pay item description for Line #16 was revised to read, "Asphalt Surface Treatment, Mat Coat #67 Stone"
G-26	In the project special provision, NOTES TO CONTRACTOR, the note for Maps 3, 4, 6, 9 & 10 was revised to reference Asphalt Surface Treatment – Mat Coat #67 Stone (Granite) and the reference to NC 411 was removed.
R-3	In the project special provision, ASPHALT SURFACE TREATMENT AGGREGATE TYPE AND APPLICATION RATES, the Aggregate Type was revised to #67 (Granite) and the Emulsion Target Rate was revised to 0.40 Gal/SY

Please void the above listed page and staple the revised page thereto.

On the item sheets the following pay item revisions have been made:

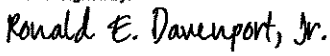
<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0016-1770000000-E-660	Asphalt Surface Treatment, Mat Coat, #6 Stone	272,196 SY	DELETED
0016-1775500000-E-660	Asphalt Surface Treatment, Mat Coat, #67 Stone	NEW ITEM	272,196 SY
0017-1838000000-E-660	Emulsion for Asphalt Surface Treatment	95,280 GAL	108,885 GAL

The Contractor's bid must be based on the revised quantities and include the new pay item.

The Expedite File has been updated to reflect these revisions. Please download the Expedite Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

 F81B6038A47A442...

Ronald E. Davenport, Jr., PE
 State Contract Officer

RED/jjr

C204229

Sampson County

Attachments

cc: Mr. Lamar Sylvester, PE
Ms. Karen E. Collette, PE
Mr. Ron Hancock, PE
Mr. Ken Kennedy, PE
Ms. Jaci Kincaid
Ms. Lori Strickland
Project File (2)

Mr. Ray Arnold, PE
Ms. Theresa Canales, PE
Mr. Mike Gwyn
Ms. Penny Higgins
Mr. Mitchell Dixon
Mr. Alex Foster

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No.1 DATED 08-06-2018

DATE AND TIME OF BID OPENING: **AUGUST 21, 2018 AT 2:00 PM**

CONTRACT ID C204229
WBS 2019CPT.03.03.10821, 2019CPT.03.03.20821

FEDERAL-AID NO. STATE FUNDED
COUNTY SAMPSON
T.I.P. NO.
MILES 49.900
ROUTE NO.
LOCATION 1 SECTIONS OF NC-24, 1 SECTION OF NC-41, 1 SECTION OF NC-411
AND 8 SECTIONS OF SECONDARY ROADS.

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

RAILROAD GRADE CROSSING:

(7-1-95) (Rev. 1-15-13)

107-9

SP1 G17R

Provide at least 2 weeks advance notice to the railroad's local Roadmaster or Track Supervisor when the use of slow-moving or stopped equipment is required over at-grade railroad crossings.

MAJOR CONTRACT ITEMS:

(2-19-02)

104

SP1 G28

The following listed items are the major contract items for this contract (see Article 104-5 of the *2018 Standard Specifications*):

Line #	Description
11 —	Asphalt Concrete Surface Course, Type S9.5 B
13 —	Asphalt Concrete Surface Course, Type S9.5 C
16 —	Asphalt Surface Treatment, Mat Coat #67 Stone

SPECIALTY ITEMS:

(7-1-95)(Rev. 1-17-12)

108-6

SP1 G37

Items listed below will be the specialty items for this contract (see Article 108-6 of the *2018 Standard Specifications*).

Line #	Description
28 thru 34	Long-Life Pavement Markings
42 thru 43	Permanent Pavement Markers
44 thru 56	Erosion Control

FUEL PRICE ADJUSTMENT:

(11-15-05) (Rev. 2-18-14)

109-8

SP1 G43

Revise the *2018 Standard Specifications* as follows:

Page 1-83, Article 109-8, Fuel Price Adjustments, add the following:

The base index price for DIESEL #2 FUEL is \$ 2.1965 per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

Description	Units	Fuel Usage Factor Diesel
Unclassified Excavation	Gal/CY	0.29
Borrow Excavation	Gal/CY	0.29
Class IV Subgrade Stabilization	Gal/Ton	0.55
Aggregate Base Course	Gal/Ton	0.55
Sub-Ballast	Gal/Ton	0.55
Asphalt Concrete Base Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Intermediate Course, Type _____	Gal/Ton	2.90
Asphalt Concrete Surface Course, Type _____	Gal/Ton	2.90
Open-Graded Asphalt Friction Course	Gal/Ton	2.90

Map No. 1 (NC 24 – Turkey Hwy.): Due to a Scheduled Bridge Replacement (B-4636), the exact resurfacing limits at Sampson Bridge No. 56 may be determined at a later date. The Contractor shall restripe the existing pavement on this bridge with Thermoplastic Pavement Markings.

Map No. 1 (NC 24 – Turkey Hwy.): Contractor shall obtain a Right of Entry (ROE) agreement from the Railroad in order to perform any construction activities within the Railroad Right of Way. Contact should be made with:

Emily Yessick, E.I.
ARCADIS U.S., Inc. (CSX
consultant) 904-861-2874
Emily.yessick@arcadis.com

Refer to contract number **C204229** when contacting Ms. Yessick.
The Contractor will need to account for ROE fees, insurance & flagging charges. All fees shall be incidental to all work completed under this contract. Contractor shall complete all paving in the Railroad Right of Way in a timely manner to avoid excessive flagging costs.

No equipment may be stored within Railroad Right of Way without Railroad's permission.

Map No. 3, 4, 6, 9 & 10: Asphalt Surface Treatment, Mat Coat, #67 Stone (Granite) shall only be applied to the mainline and not to the radius of any side road or driveway.

Map No. 4 - 12: State Forces will provide and complete all Shoulder Reconstruction, Borrow Excavation and Erosion Control items

Map No. 5, 6 & 7: The Contractor shall haul excavated material from widening on Maps 5 - 7 to the NCDOT Sampson Co. Maintenance Yard, 220 North Blvd., Clinton (910) 682-5160.

Pavement Markings on SR 1414, SR 1152 & SR 1002 shall be remarked with Existing Lane Widths.

measured from the horizontal plane in place after final compaction on the final surface course. Use an approved mechanical device which will form the asphalt mixture to produce a wedge with uniform texture, shape and density while automatically adjusting to varying heights.

Payment for use of this device will be incidental to the other pay items in the contract.

PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:

(11-21-00)

620

SP6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *2018 Standard Specifications*.

The base price index for asphalt binder for plant mix is \$ **535.56** per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **July 1, 2018**.

ASPHALT SURFACE TREATMENT AGGREGATE TYPE AND APPLICATION

RATES:

(02-13-15) (Rev 01-1-18)

660

SP06 R054

MAP #	TYPE OF SEAL	LAYER	AGGREGATE TYPE	AGGREGATE TARGET RATES ^A (LBS/SY)	EMULSION TARGET RATES ^{B,C,D} (GAL/SY)
1	MAT COAT		#67 (GRANITE)	30 - 35	0.40

- A. Aggregate Target Rates have +/- 2.0 lbs/sy tolerance limit.
- B. Emulsion Target Rates have +/- 0.05 gal/sy tolerance limit.
- C. Grades of emulsion shall be CRS-2L or CRS-2P.
- D. Application temperatures shall be 160-170°F.

Contractor shall adjust aggregate and emulsion rates as necessary based on the existing surface, roadway conditions, weather conditions, and as directed by the Engineer. When the Engineer requires aggregate to be applied at rates above the tolerance limit, the additional aggregate above the limit will be paid in accordance with Article 104-7 of the *Standard Specifications*.

County : Sampson

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0106000000-E	230	BORROW EXCAVATION	3,005 CY		
0003	1220000000-E	545	INCIDENTAL STONE BASE	1,368 TON		
0004	1245000000-E	SP	SHOULDER RECONSTRUCTION	47.5 SMI		
0005	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	112,524 SY		
0006	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (2")	33,271 SY		
0007	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2")	10,533 SY		
0008	1330000000-E	607	INCIDENTAL MILLING	5,055 SY		
0009	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	7,335 TON		
0010	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	6,390 TON		
0011	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	40,958 TON		
0012	1520000000-E	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)	1,388 TON		
0013	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	23,520 TON		
0014	1524000000-E	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)	300 TON		
0015	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	4,903 TON		
0016	1775500000-E	660	ASPHALT SURFACE TREATMENT, MAT COAT, #*** STONE (67)	272,196 SY		
0017	1838000000-E	660	EMULSION FOR ASPHALT SURFACE TREATMENT	108,885 GAL		

County : Sampson

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	1880000000-E	SP	GENERIC PAVING ITEM ASPHALT FOR PAVEMENT INTERLAY- ER S4.75A	500 TON		
0019	1880000000-E	SP	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (FULL DEPTH)	472 TON		
0020	1880000000-E	SP	GENERIC PAVING ITEM PATCHING EXISTING PAVEMENT (MILL)	916 TON		
0021	1891000000-E	SP	GENERIC PAVING ITEM PAVEMENT INTERLAYER	112,524 SY		
0022	2612000000-E	848	6" CONCRETE DRIVEWAY	74 SY		
0023	2647000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	189 SY		
0024	2752000000-E	SP	GENERIC PAVING ITEM REMOVE 4" X 8" CONCRETE CURB	118 LF		
0025	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	6 EA		
0026	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	5,152 SF		
0027	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0028	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	252,296 LF		
0029	4686000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	192,318 LF		
0030	4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	324 LF		
0031	4705000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (16", 120 MILS)	200 LF		
0032	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	436 LF		
0033	4721000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	20 EA		

County : Sampson

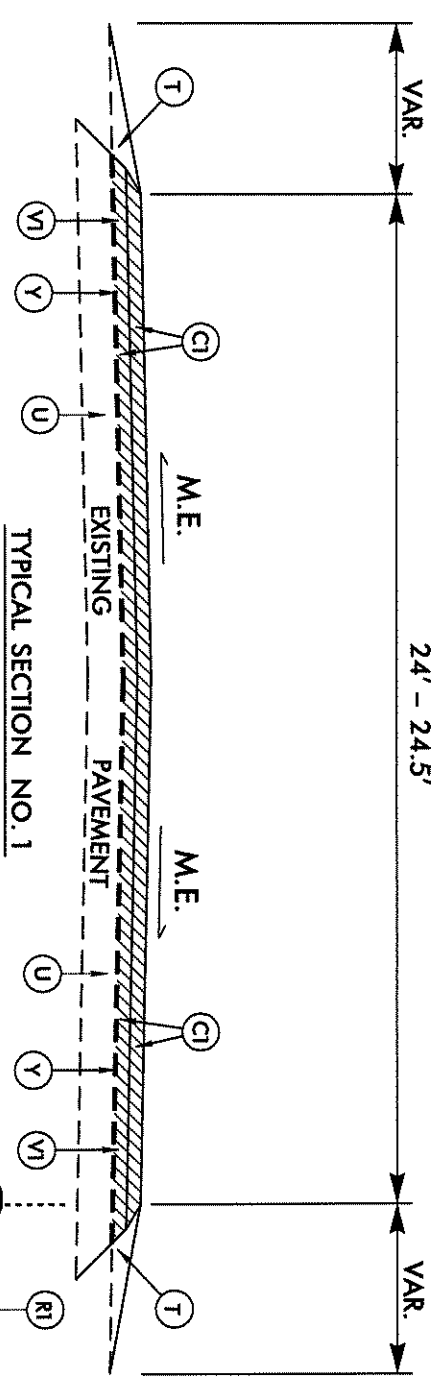
Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0034	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	12 EA		
0035	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	1,114,772 LF		
0036	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	150 LF		
0037	4825000000-E	1205	PAINT PAVEMENT MARKING LINES (12")	324 LF		
0038	4830000000-E	1205	PAINT PAVEMENT MARKING LINES (16")	200 LF		
0039	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	448 LF		
0040	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	14 EA		
0041	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	12 EA		
0042	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	2,012 EA		
0043	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	1,603 EA		
0044	6000000000-E	1605	TEMPORARY SILT FENCE	2,651 LF		
0045	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	664 TON		
0046	6012000000-E	1610	SEDIMENT CONTROL STONE	664 TON		
0047	6015000000-E	1615	TEMPORARY MULCHING	26.47 ACR		
0048	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	1,326 LB		
0049	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	6.64 TON		
0050	6036000000-E	1631	MATTING FOR EROSION CONTROL	170 SY		
0051	6042000000-E	1632	1/4" HARDWARE CLOTH	1,326 LF		

County : Sampson

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	6071010000-E	SP	WATTLE	410	LF	
0053	6084000000-E	1660	SEEDING & MULCHING	19.31	ACR	
0054	6090000000-E	1661	SEED FOR REPAIR SEEDING	1,326	LB	
0055	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	6.65	TON	
0056	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	8	EA	

1035/Aug06/Q2325376.57/D204467610000/E56

Total Amount Of Bid For Entire Project :

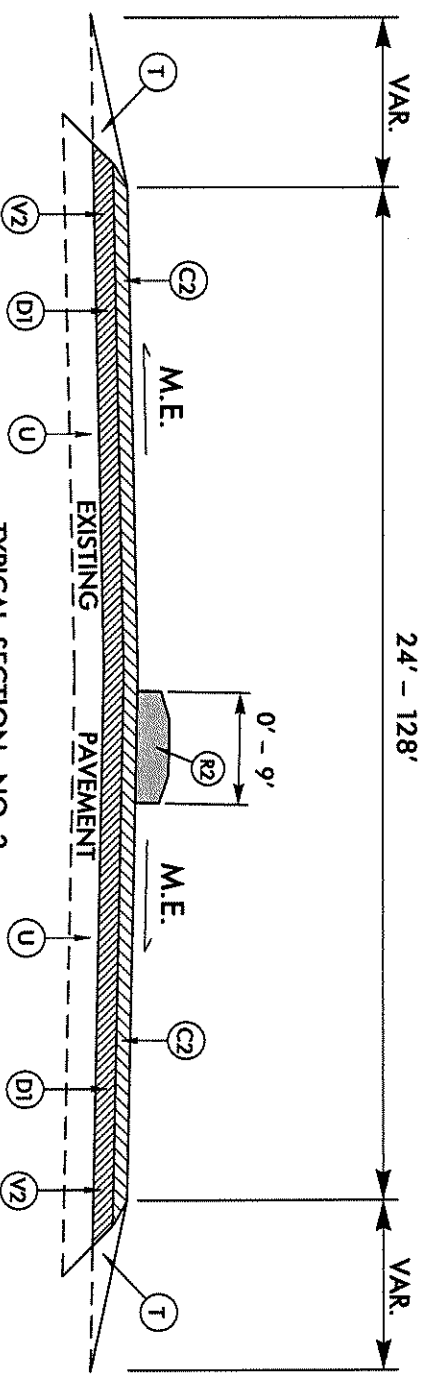
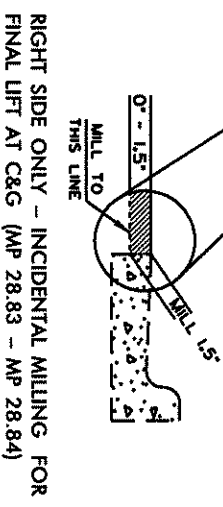


NOTES: ALL MILLED SURFACES MUST BE RESURFACED BY THE END OF EACH WORK DAY.

NO WORK MP 25.74 - MP 25.99
SAMPSON BRIDGE# 56

MAP NO. 1
NC 24 (TURKEY HWY.)
MP 22.59 - MP 30.56

ALL RELEVANT -Y- LINES WILL BE INCIDENTALLY MILLED WITH BUTT JOINTS EXCEPT SR 1911 (UNION RD.) WHICH WILL RECEIVE 1.5" MILLING

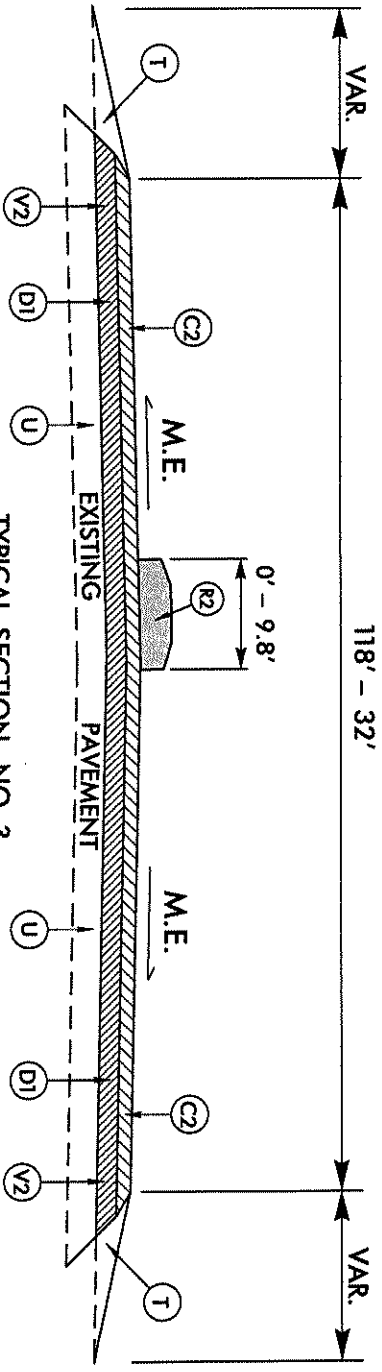


MAP NO. 2
NC 41 (TOMAHAWK / WALLACE HWY.)
MP 10.38 - MP 11.02

NOTES: ALL MILLED SURFACES MUST BE RESURFACED BY THE END OF EACH WORK DAY.

NO WORK MP 11.02 - MP 11.03
(CROSSING US 421 INTERSECTION)

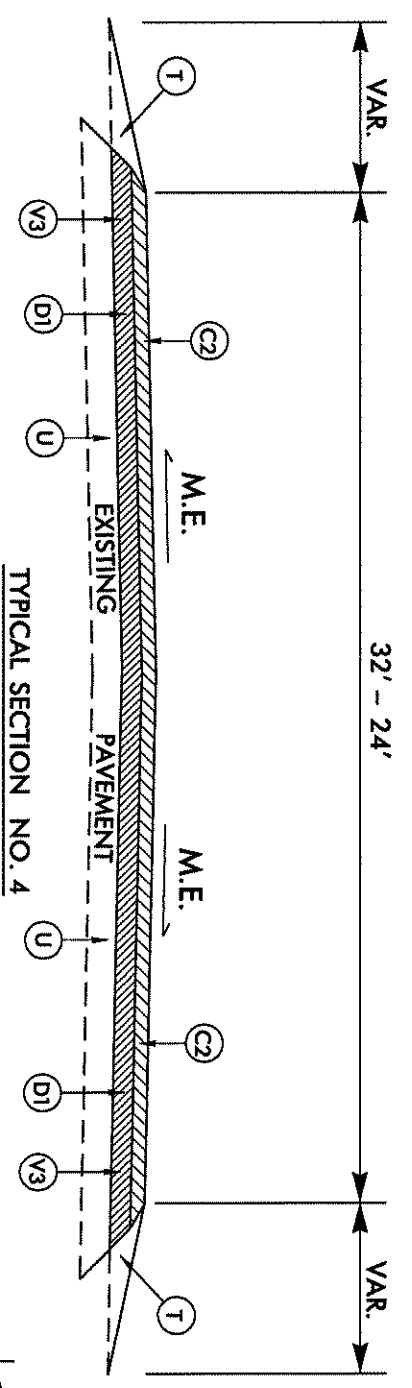
ALL RELEVANT -Y- LINES WILL BE INCIDENTALLY MILLED WITH BUTT JOINTS



MAP NO. 2
NC 41 (WALLACE HWY.)
MP 11.03 - MP 11.06

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS
C2	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 4" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 5" DEPTH ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
F1	ASPHALT SURFACE TREATMENT - MAT COAT #67 STONE (GRANITE)
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
R2	PROPOSED 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)
T	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 1 1/2" DEPTH
V2	MILLING ASPHALT PAVEMENT, 2 1/2" DEPTH
V3	MILLING ASPHALT PAVEMENT, 2" DEPTH
Y	PAVEMENT INTERLAYER

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.



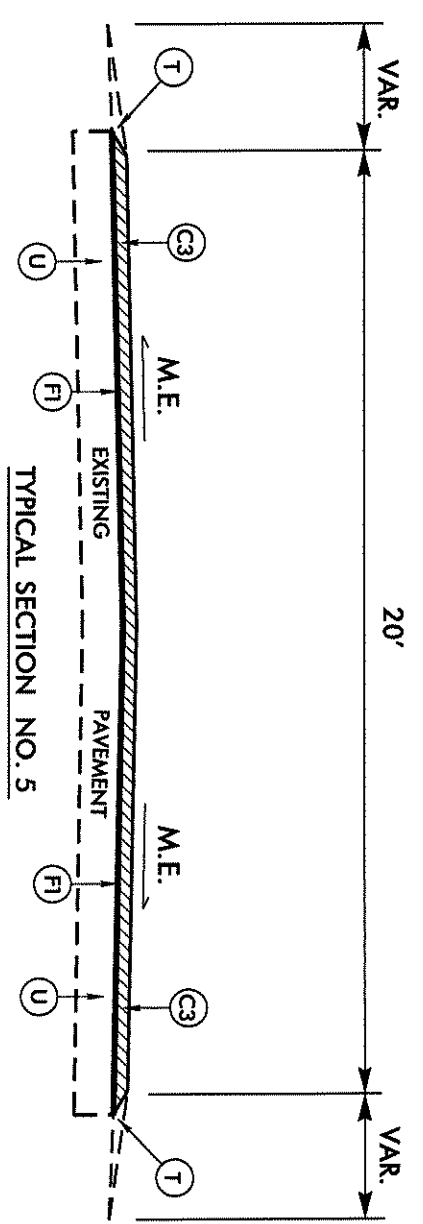
Code	Description	Material	Notes
C2	1 1/2" S9.5C	E1	4" B25.0C
C3	1 1/2" S9.5B	F1	MAT COAT #67 STONE GRANITE
D1	2 1/2" I19.0C	T	SHOULDER RECONST.
U			EXISTING PAVEMENT
V3			MILLING 2" DEPTH

NOTES: ALL MILLED SURFACES MUST BE RESURFACED BY THE END OF EACH WORK DAY.
ALL RELEVANT -Y- LINES WILL BE INCIDENTALY MILLED WITH BUTT JOINTS

MAP NO. 2
NC 41 (WALLACE HWY.)
MP 11.06 - MP 13.42

MAP 3 - NC 411 (OLD MINTZ HWY.)
SPIRAL WIDENING LOCATIONS

Mile Post	START	END	LENGTH	WIDTH	SYD	B25.0C	S9.5B
Rt	14.80	14.89	455	2	101.1	23.1	8.5
Lt	15.25	15.40	601	2	133.6	30.5	11.2
Rt	15.42	15.51	440	2	97.8	22.3	8.2
Lt	16.16	16.41	1319	2	293.1	68.8	24.6
Rt	16.48	16.68	1065	2	236.7	54.0	19.9
Lt	16.99	17.15	910	2	202.2	48.1	17.0
Rt	17.41	17.54	670	2	148.9	33.9	12.5
Rt	18.21	18.50	1505	2	334.4	76.3	28.1
Rt	19.04	19.33	1545	2	343.3	78.3	28.8
Lt	19.75	20.06	1615	2	358.9	81.8	30.1
Lt	20.64	21.13	2605	2	578.9	132.0	48.6
Rt	20.64	21.13	2605	2	578.9	132.0	48.6
Rt	21.26	21.38	670	2	148.9	33.9	12.5
Rt	21.80	22.01	1120	2	248.9	56.7	20.9
Lt	22.33	22.47	725	2	161.1	36.7	13.5
Rt	22.65	22.81	855	2	190.0	43.3	16.0
Rt	23.08	23.17	575	2	127.8	29.1	10.7
Lt	23.33	23.36	150	2	33.3	7.6	2.8
Lt	23.59	23.74	795	2	178.7	40.3	14.8
Lt	24.51	24.69	920	2	204.4	48.6	17.2
Lt	24.76	24.81	245	2	54.4	12.4	4.6
Lt	24.87	24.98	580	2	128.9	29.4	10.8
Lt	25.11	25.32	1070	2	237.8	64.2	20.0
Rt	25.12	25.26	765	2	170.0	38.8	14.3
Lt	25.55	25.74	985	2	218.9	49.9	18.4
Rt	25.98	26.20	1155	2	256.7	58.5	21.6
					0.0	0.0	0.0

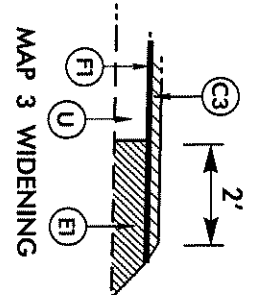


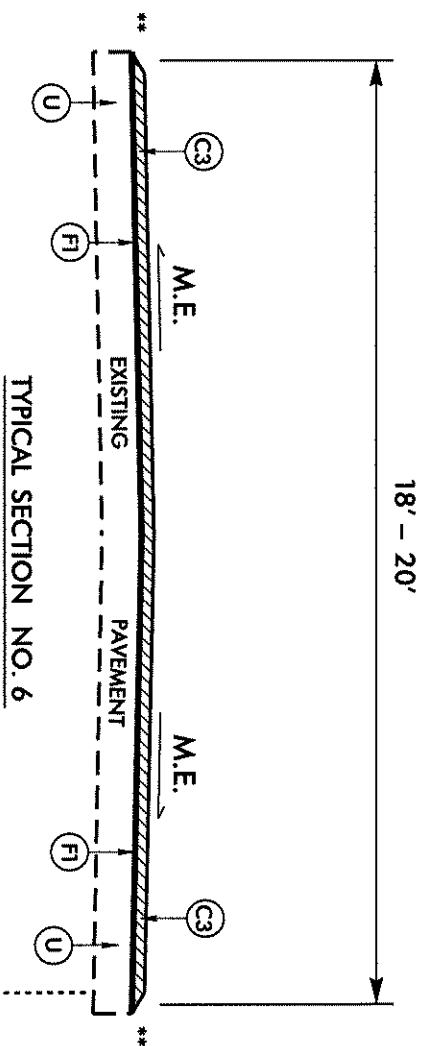
NOTE: STATE FORCES WILL MARK SPIRAL & RADIAL WIDENING LOCATIONS

MAP NO. 3
NC 411 (OLD MINTZ HWY.)
MP 13.76 - MP 26.50

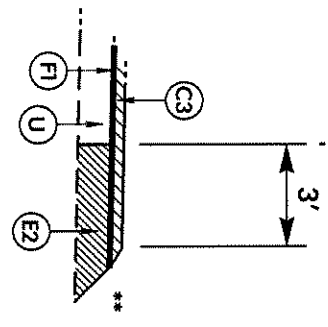
MAP 3 - NC 411 (OLD MINTZ HWY.)
RADIAL WIDENING LOCATIONS

Mile Post	START	END	LENGTH	WIDTH	SYD	B25.0C	S9.5B
L	14.67		75	2	16.7	3.8	1.4
R	15.21		63	2	14.0	3.2	1.2
L	15.22		100	2	22.2	5.1	1.9
L	17.51		94	2	20.9	4.8	1.8
L	17.53		60	2	13.3	3.0	1.1
L	18.88		36	2	8.0	1.8	0.7
L	18.92		166	2	36.9	8.4	3.1
L	20.86		60	2	13.3	3.0	1.1
L	20.88		55	2	12.2	2.8	1.0
L	22.76		50	2	11.1	2.5	0.9
L	22.78		75	2	16.7	3.8	1.4
R	22.76		65	2	14.4	3.3	1.2
R	22.78		75	2	16.7	3.8	1.4
R	23.36		100	2	22.2	5.1	1.9
L	24.79		85	2	18.9	4.3	1.6



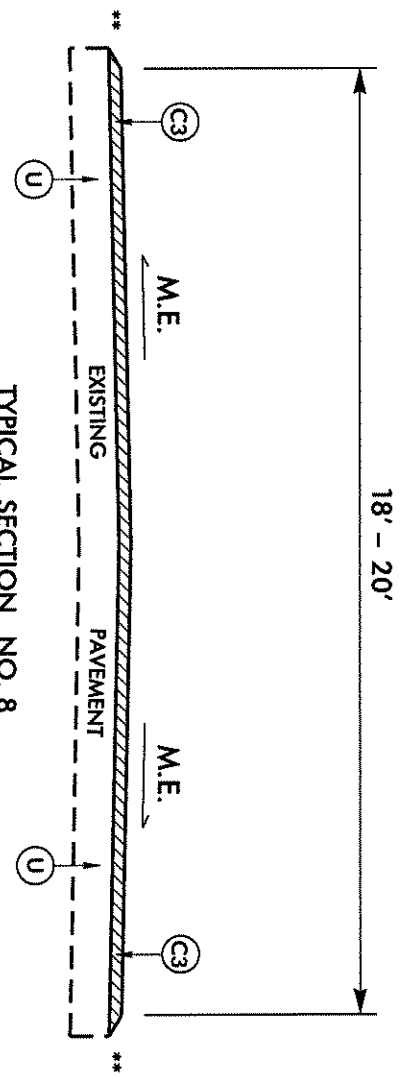


- MAP NO. 4
SR 1445 (HAYES MILL RD.)
MP 0.00 - MP 4.46
[NO ASPHALT WORK ON
BRIDGE NO. 129]
- MAP NO. 6
SR 1152 (BOWEN RD.)
MP 0.00 - MP 1.13
- MAP NO. 9
SR 1322 (ZOAR CHURCH RD.)
MP 0.00 - MP 2.50
- MAP NO. 10
SR 1322 (LAUREL LAKE RD.)
MP 2.50 - MP 5.13

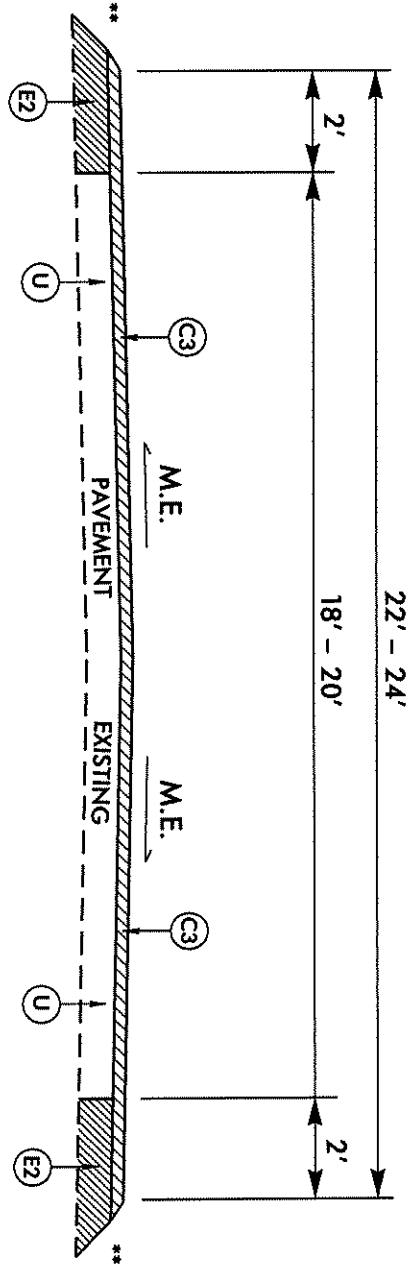


MAP 6 - SR 1152 (BOWEN RD.)
 3' WIDENING RIGHT SIDE ONLY
 MP 1.00 - MP 1.10
 LOCATED BY STATE FORCES

NOTE: ** SHOULDER WORK TO BE DONE BY STATE FORCES (MAP NO. 4 - 12)



- MAP NO. 8
SR 1653 (DAWSON RD.)
MP 0.00 - MP 1.75
- MAP NO. 11
SR 1325 (HONEYCUTT RD.)
MP 3.32 - MP 5.51
- MAP NO. 12
SR 1751 (H.B. LEWIS)
MP 0.00 - MP 2.81



- MAP NO. 5
SR 1414 (MINNIE HALL RD.)
MP 0.68 - MP 7.53
[NO WORK MP 0.96 - MP 1.14
NC 24 INTERSECTION & NO ASPHALT
WORK ON BRIDGE NO. 122]
- MAP NO. 7
SR 1002 (DUNN RD.)
MP 0.00 - MP 1.83

PAVEMENT SCHEDULE	
C3	1 1/2" S9.5B
E2	5" B25.0C
F1	MAT COAT #67 STONE GRANITE
U	EXISTING PAVEMENT

SUMMARY OF QUANTITIES

PROJECT NO		COUNTY		MAP NO		ROUTE	DESCRIPTION	TYPE	LA	LANE	FINAL	WAR	LENGTH	WIDTH	BOBROW	INCIDE	SH.	1.5"	2"	2.5"	INCIDE	BASE	INTERM	SURF-	INGV-	SURFACE	LEVEL	ASPH.	AST	EMUL-	ASPH.	PATCH-	PATCH-	PAVE-	CONC	5" CONC	REM	ADJ.	TEMP.	STO	SEDI	TEMP-	SEED	FERTIL	MAT	1/4"	WAT	SEED	SEED	RESP	
NO	NE	TYPE	CE	MIX	ASPH	REQUI	REQUI	RED	RED	M	H	DT	FT	W	CY	TON	SMI	SY	SY	SY	TON	TON	TON	TON	TON	TON	TON	TON	SY	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON		
2		2	2	NO	NO	NO	NO	NO	NO	12.74	20	24	36	733	258	15.94	112,524				950	1,374	6,390	14,156	100	19,373	300	1,182		500	80	112,524			74	189	118	5	997	250	250	9.97	499	2.49	60	499	150	7.25	499	2.50	
TOTAL FOR PROJ NO. 2019CPT.03.03.10821										23.75	20	24	36	3,005	947	47.5	112,524	33,271	10,533	2,729	1,374	6,390	14,156	100	23,520	300	2,755		500	180	112,524	74	189	118	6	2,651	664	664	26.47	1,326	6.64	170	1,326	410	19.31	1,326	6.65				
GRAND TOTAL										49.90	3,005	1,368	47.5	112,524	33,271	10,533	5,055	7,335	6,390	40,958	1,388	23,520	300	4,903	272,196	108,885	500	472	916	112,524	74	189	118	6	2,651	664	664	26.47	1,326	6.64	170	1,326	410	19.31	1,326	6.65					

2019CPT.03.03.20821
Sampson

2019CPT.03.03.10821
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