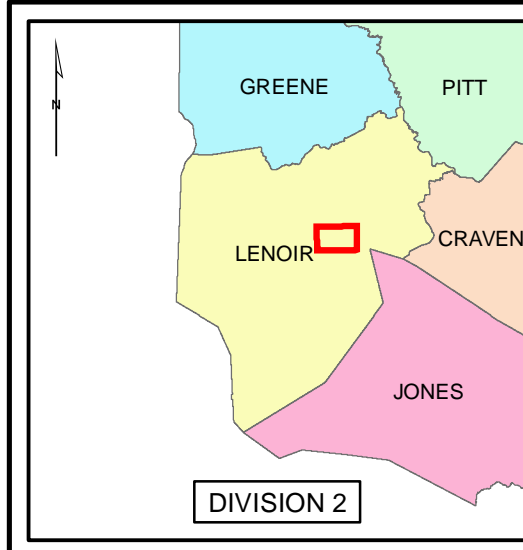


PROJECT REFERENCE NO.	SHEET NO.
DB00484	1

LENOIR COUNTY

DB00484

WBS# 2020CPT.02.01.10541

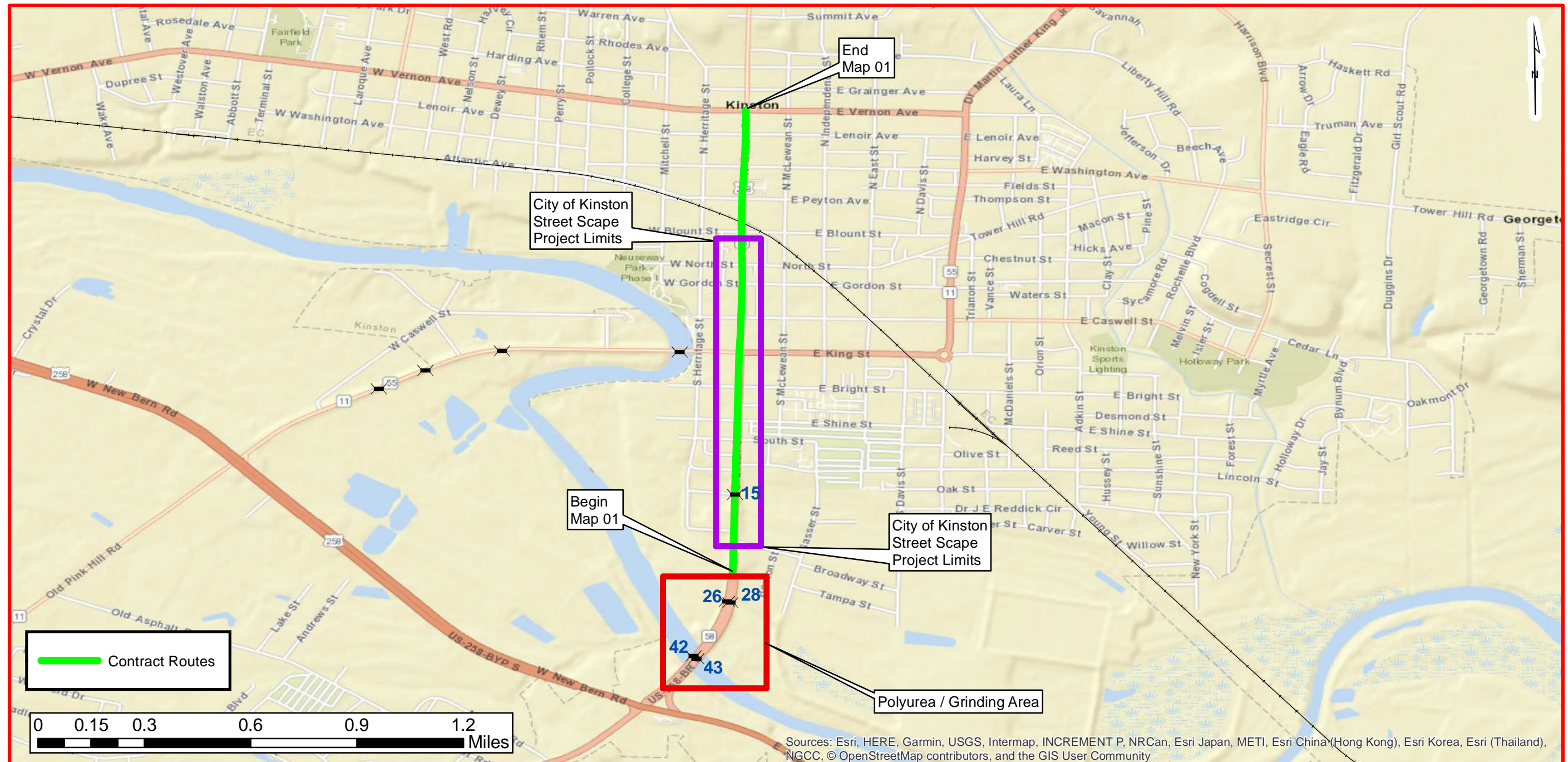


LOCATION:
MAP 01 - US-70 BUS (QUEEN STREET) FROM BRIDGE #28 TO SR-1838 (VERNON AVENUE)

TYPE OF WORK: MILLING, RESURFACING, PAVEMENT MARKINGS



NCDOT
DIVISION 2



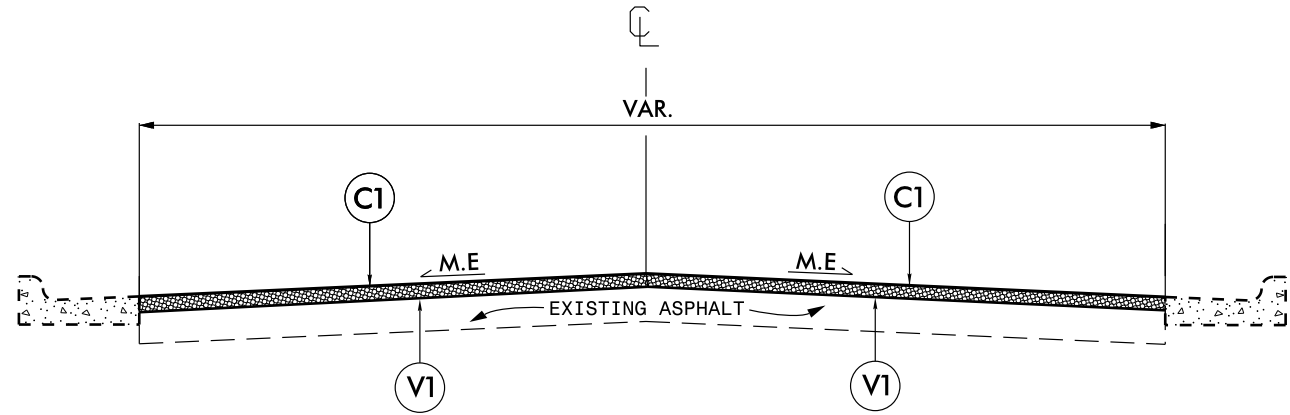
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 3 INCH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, IN TWO LIFTS AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD. PER LIFT
V1	3" DEPTH MILLING FOR THE ENTIRE WIDTH OF ROADWAY
DRAWINGS NOT TO SCALE	

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

TYPICAL SECTION NO. 1

MAP 1



NOTE:

1. MILL FULL WIDTH OF THE ENTIRE ROADWAY TO A DEPTH OF 3 INCHES. MILLING TO INCLUDE BOTH NCDOT AND CITY OF KINSTON SIDE STREETS TO BACK OF RADII.
2. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, IN TWO LIFTS AS DIRECTED BY THE ENGINEER.

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH		CONCRETE CURB RAMP - REMOVE/REPLACE	2'6" CURB & GUTTER - REMOVE/REPLACE	3" MILLING	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX
										MI	FT							
2020CPT.02.01.10541	Lenoir	1	US-70 BUS. (QUEEN STREET)	BRIDGE #28 TO SR-1838 (VERNON AVE)	1	2	M2	NO	NO	1.30	58	24	100	50,000	8,360	502	15	10
TOTAL FOR MAP NO. 1										1.30		24	100	50,000	8,360	502	15	10
TOTAL FOR PROJ NO. 2020CPT.02.01.10541										1.30		24	100	50,000	8,360	502	15	10
GRAND TOTAL										1.30		24	100	50,000	8,360	502	15	10

Contractor Note 1: The Contractor shall mill out all side streets to the back of the side street radii. This is to include all NCDOT and Municipal side streets.

Contractor Note 2: The Contractor will mill/fill the asphalt wearing surface at a depth of 3 inches over the existing paved Neuse River Overflow Bridge #15.

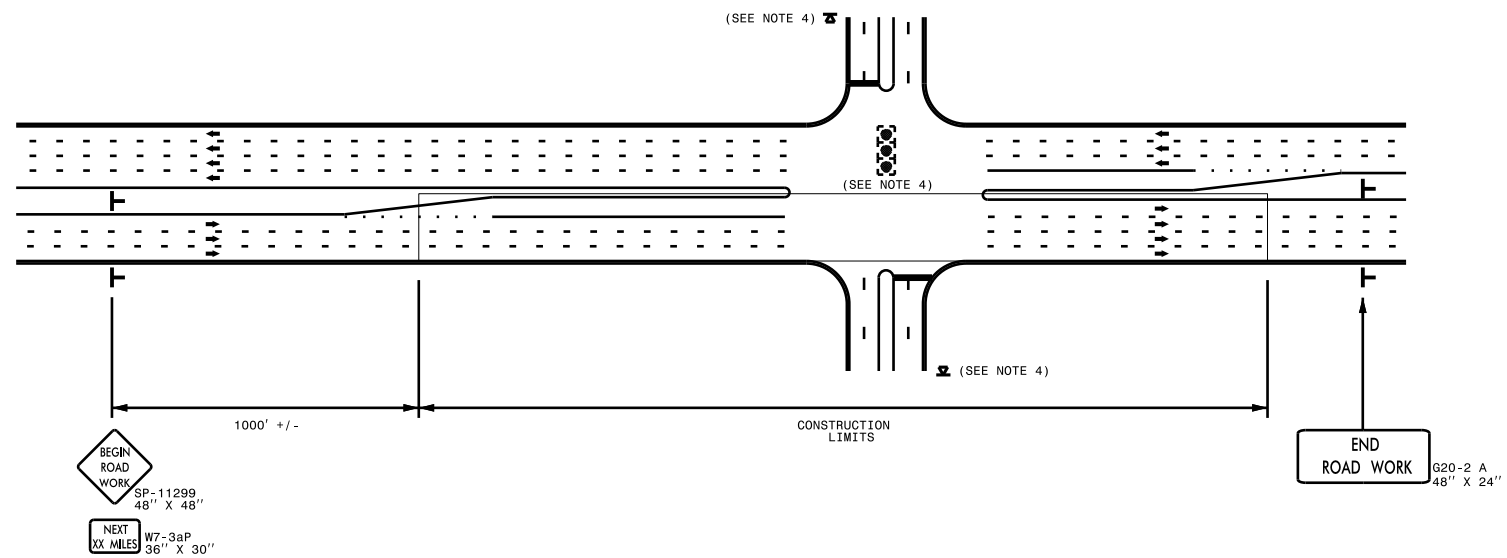
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E		4695000000-E	4700000000-E	4725000000-E				4890000000-E		4892000000-N	
										WORKZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	8" X 90 M WHITE THERMO	12" X 90 M WHITE THERMO	THERMO STR & RT ARROW 90 M	THERMO LT ARROW 90 M	THERMO STR ARROW 90 M	THERMO RT ARROW 90 M	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS) WHITE	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (16", 90 MILS) WHITE	GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	
									MI	FT	SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	EA
2020CPT.02.01.10541	Lenoir	1	US-70 BUS. (QUEEN STREET)	BRIDGE #28 TO SR-1838 (VERNON AVE)	1	2	M2	1.30	58	768	1.0	14,610	5,780	600	4,650	29	50	20	10	1,450	200	4	
TOTAL FOR MAP NO. 1									1.30		768	1.0	14,610	5,780	600	4,650	29	50	20	10	1,450	200	4
TOTAL FOR PROJ NO. 2020CPT.02.01.10541									1.30		768	1.0	14,610	5,780	600	4,650	29	50	20	10	1,450	200	4
GRAND TOTAL									1.30		768	1.0	14,610	5,780	600	4,650	29	50	20	10	1,450	200	4

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4810000000-E		4820000000-E	4830000000-E	4835000000-E	4840000000-N	4845000000-N				4847020000-E		4850000000-E	
										4" YELLOW PAINT	4" WHITE PAINT	8" WHITE PAINT	16" WHITE PAINT	24" WHITE PAINT	PAINT MSG RXR	PAINT STR & RT ARROW	PAINT LT ARROW	PAINT STR ARROW	PAINT RT ARROW	POLYUREA PAVEMENT MARKING WHITE LINES (4", 30 MILS) (HIGHLY REFLECTIVE ELEMENTS)	POLYUREA PAVEMENT MARKING YELLOW LINES (4", 30 MILS) (HIGHLY REFLECTIVE ELEMENTS)	4" LINE REMOVAL	
									MI	FT	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	
2020CPT.02.01.10541	Lenoir	1	US-70 BUS. (QUEEN STREET)	BRIDGE #28 TO SR-1838 (VERNON AVE)	1	2	M2	1.30	58	14,610	5,780	600	100	1,050	4	29	50	20	10	2,070	3,300	550	
TOTAL FOR MAP NO. 1									1.30		14,610	5,780	600	100	1,050	4	29	50	20	10	2,070	3,300	550
TOTAL FOR PROJ NO. 2020CPT.02.01.10541									1.30		14,610	5,780	600	100	1,050	4	29	50	20	10	2,070	3,300	550
GRAND TOTAL									1.30		14,610	5,780	600	100	1,050	4	29	50	20	10	2,070	3,300	550

- Contractor Note 1: The Contractor will be required to remove the existing pavement markings of US-70 BUS in the Northbound Direction, from approximately 300 FT North of the US-70 Intersection, through the Queen Street Bridges to the end of the concrete median island approximately 290 FT North of the Bridge #28. The Contractor will place Polyurea Pavement Markings to replace the markings throughout this section of roadway.
- Contractor Note 2: The Contractor will place 4" Yellow Polyurea Pavement Markings around the concrete median island and Queen Street Bridges (#26, 28, 42, 43) in both directions. This work will begin at the bridge approach of the Southern Queen Street Bridges (42 & 43) and will continue to the end of the concrete median island approximately 290 FT North of the Queen Street overflow Bridges (26 & 28).
- Contractor Note 3: The Contractor will place 4" White Polyurea Pavement Markings in the Northbound direction of US-70 BUS from the US-70 Interchange north to the end of the Queen Street Project Limits Paving Joint. The final layout of the Northbound direction will mirror the Southbound direction of US-70 BUS in this section.
- Contractor Note 4: The crosswalks with this project will be 12 inch 90 Mil White Thermoplastic.
- Contractor Note 5: The pavement markings on the project from the Queen Street Bridges (#26 & 28) to the NC-11 (King Street) Intersection will be changed to a 2-Lane, 2-Way pattern with a Shared Turn Lane. Please Reference the City of Kinston's Street Scape Project for Details.
- Contractor Note 6: This project will require the marking of Parking Spaces per the City of Kinston's Street Scape Project.
- Contractor Note 7: All Thermoplastic Pavement Markings will be 90 MIL.

URBAN / SUBURBAN WORKZONES



NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND	
T	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**