

**PROJECT: W-5710GA**

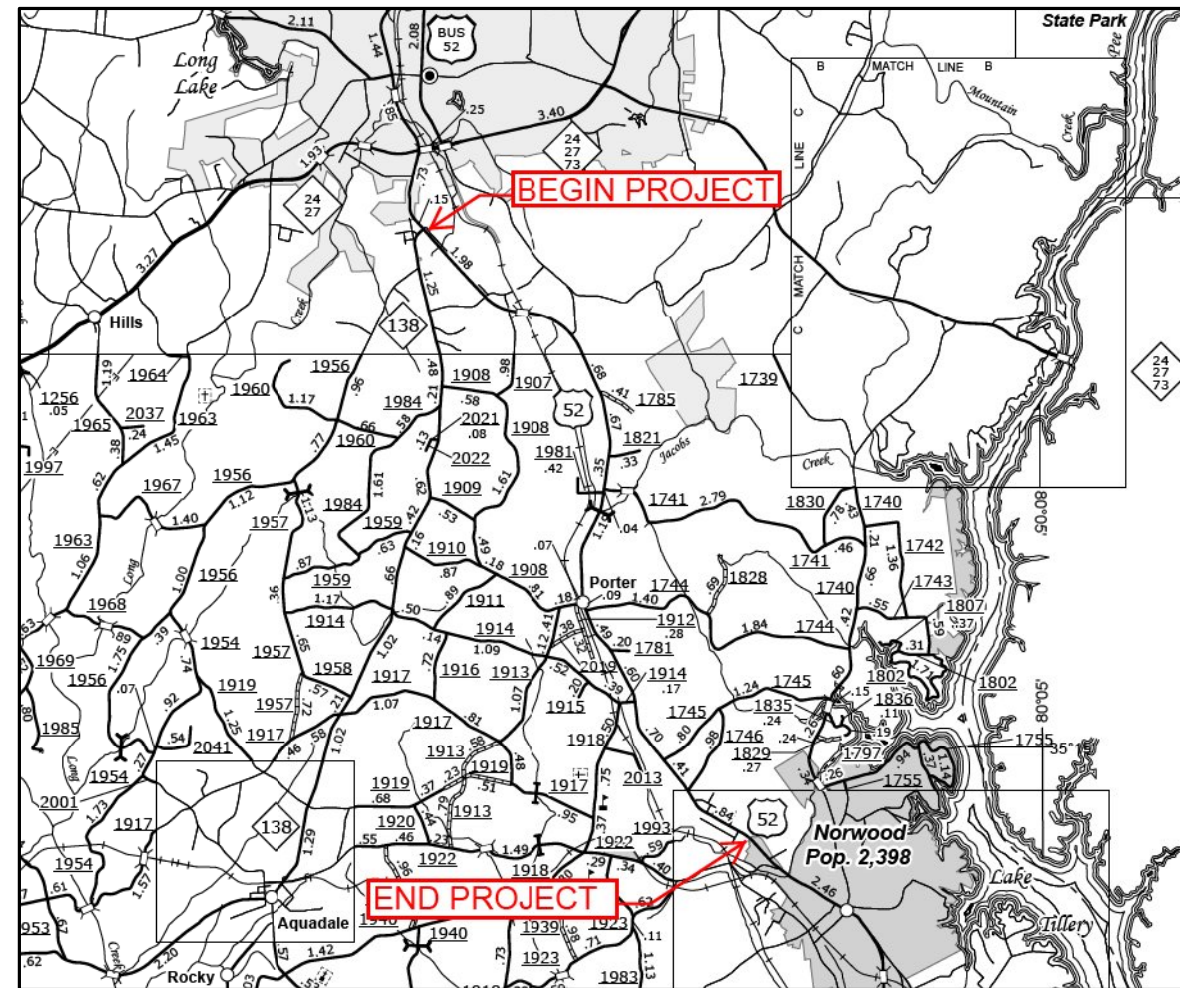
**PROJECT: DJ00297**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS  
**STANLY COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	W-5710GA	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44856.3.32	HSIP-0052(054)	CONST.	

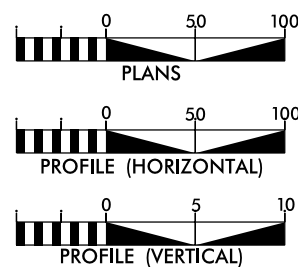
**LOCATION:** US 52 FROM SOUTH OF NC 138 (MP 11.09) TO THE CITY LIMITS OF NORWOOD (MP 3.54)

**TYPE OF WORK:** MILLED RUMBLE STRIPS AND THERMOPLASTIC PAVEMENT MARKINGS



VICINITY MAP NOT TO SCALE

**GRAPHIC SCALES**



**DESIGN DATA**

ADT 2016 = 8,100  
ADT 2028 = 10,300  
DHV = 10 %  
D = 4 %  
T = 5 %  
V = 60 MPH

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT W-5710GA = 7.55 MILES

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
DIVISION TEN  
DIVISION DESIGN / CONSTRUCT UNIT

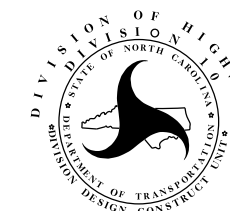
2018 STANDARD SPECIFICATIONS

**RIGHT OF WAY DATE:**

**LETTING DATE:**  
AUGUST 1, 2018

**TERRY W. BURLESON**  
PROJECT ENGINEER

PROJECT DESIGN ENGINEER

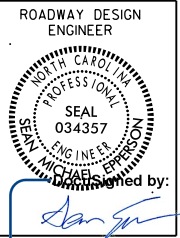


ROADWAY DESIGN  
ENGINEER

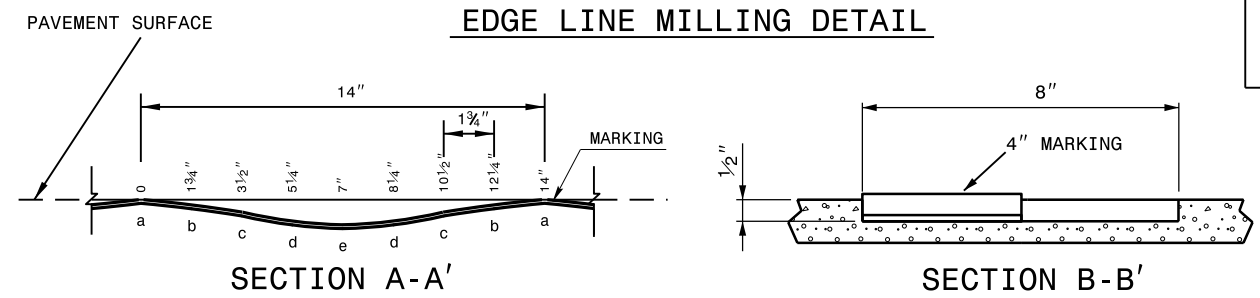
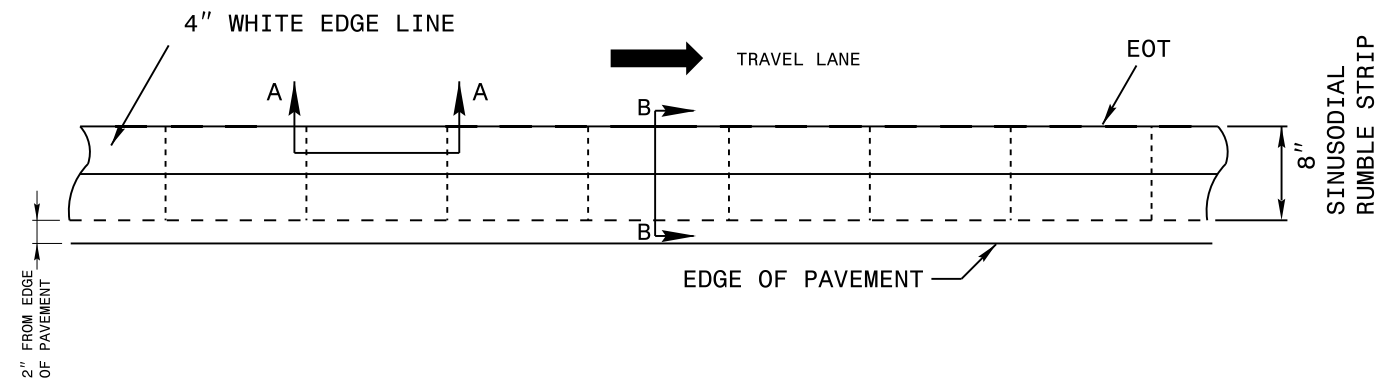


DocuSign  
*Michael Epperson*  
6/22/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

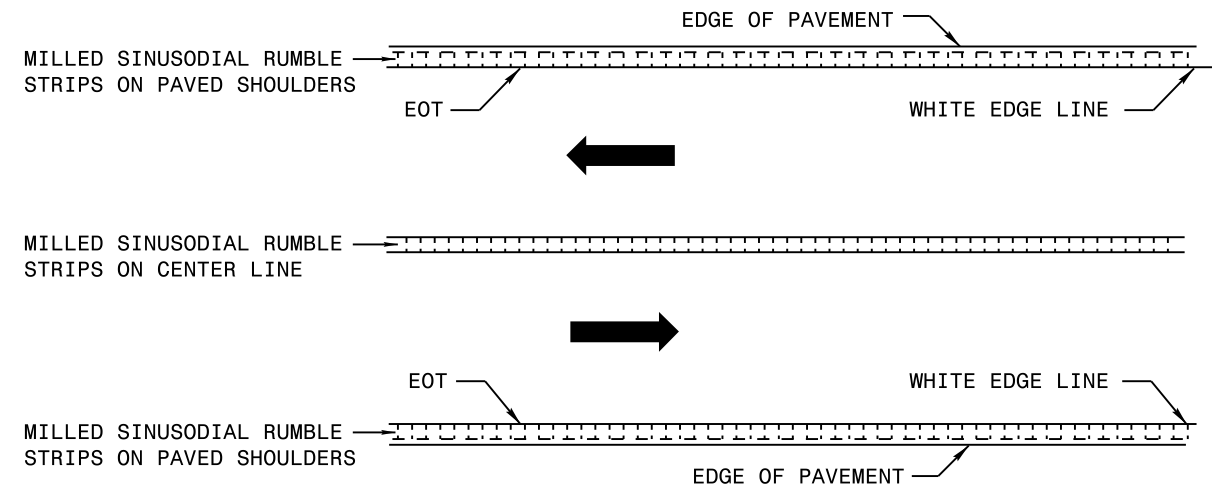
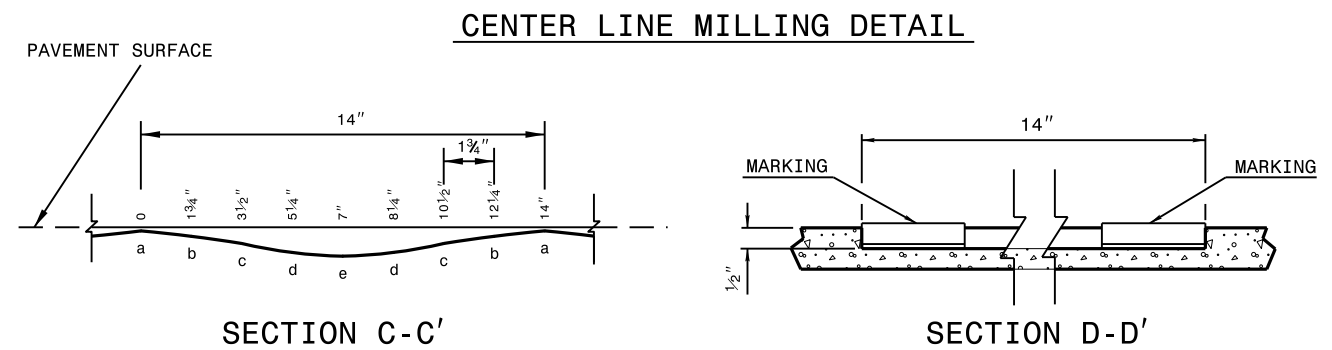
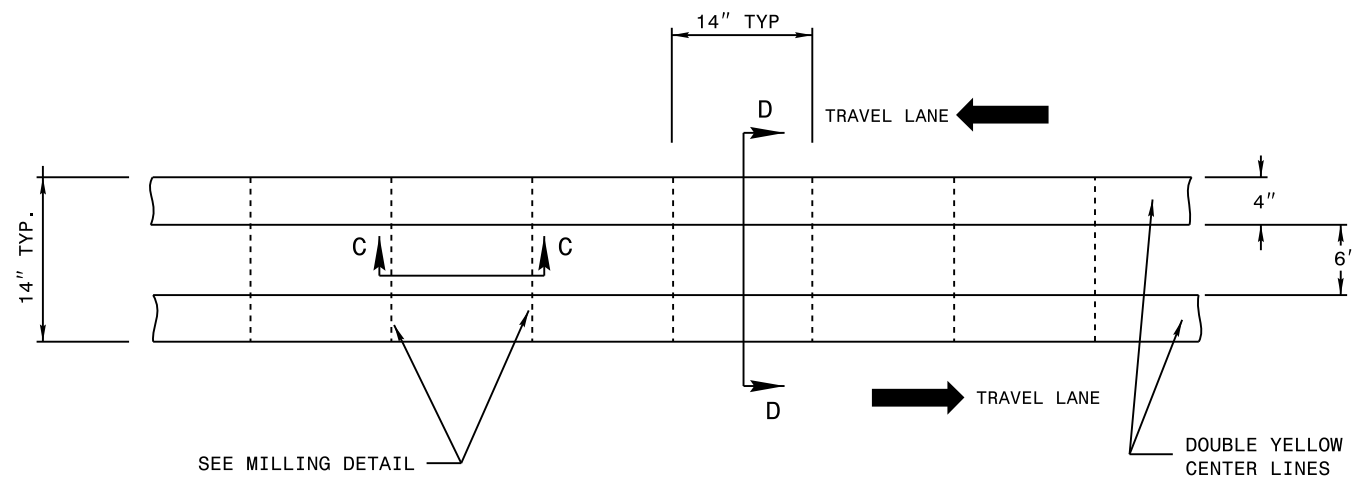


### EDGE LINE TREATMENT



LOCATION	DEPTH	
	MIL	INCHES
a	62.5	1/16"
b	156	5/32"
c	281	9/32"
d	438	7/16"
e	500	1/2"

### CENTER LINE

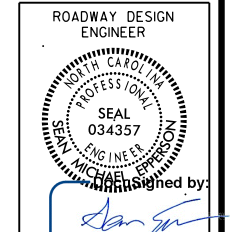


### LANE TREATMENT

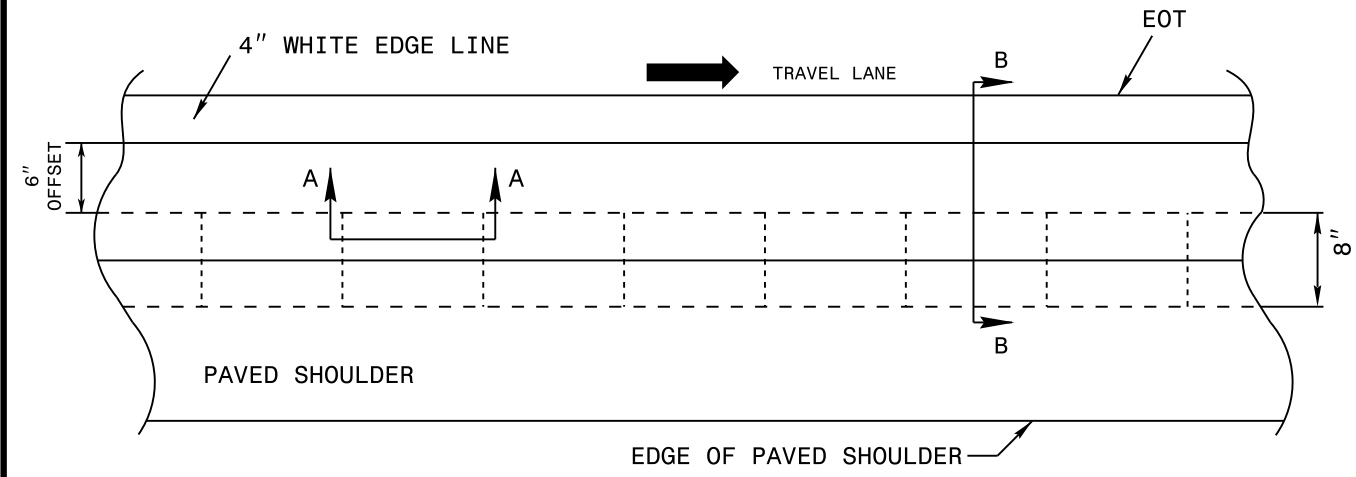
**NOTES:**

- 1) PAVEMENT MARKING MATERIAL SHALL BE THERMOPLASTIC.
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.
- 4) PLACE MILLED SINUSODIAL RUMBLES AS SHOWN ABOVE IN THIS DETAIL ON BOTH SHOULDERS IN BOTH DIRECTIONS.
- 5) IF SNOWPLOWABLE MARKERS ARE TO BE INSTALLED IN THE CENTERLINE, SKIP A 24" SPACE IN THE RUMBLE STRIPES EVERY 80'.

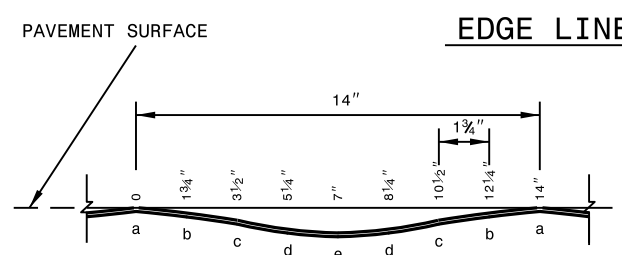
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



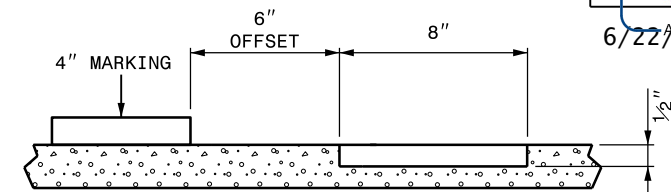
### EDGE LINE TREATMENT



SINUSODIAL RUMBLE STRIP



### EDGE LINE MILLING DETAIL

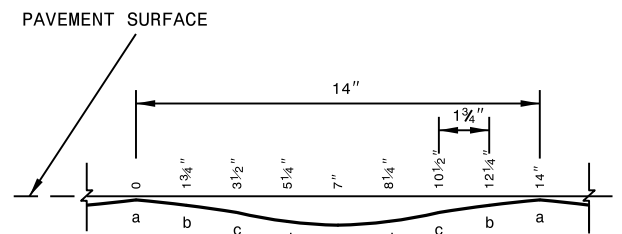


SECTION A-A'

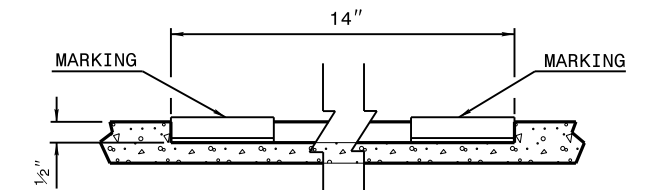
SECTION B-B'

LOCATION	DEPTH	
	MIL	INCHES
a	62.5	1/16"
b	156	5/32"
c	281	9/32"
d	438	1/16"
e	500	1/2"

### CENTER LINE MILLING DETAIL

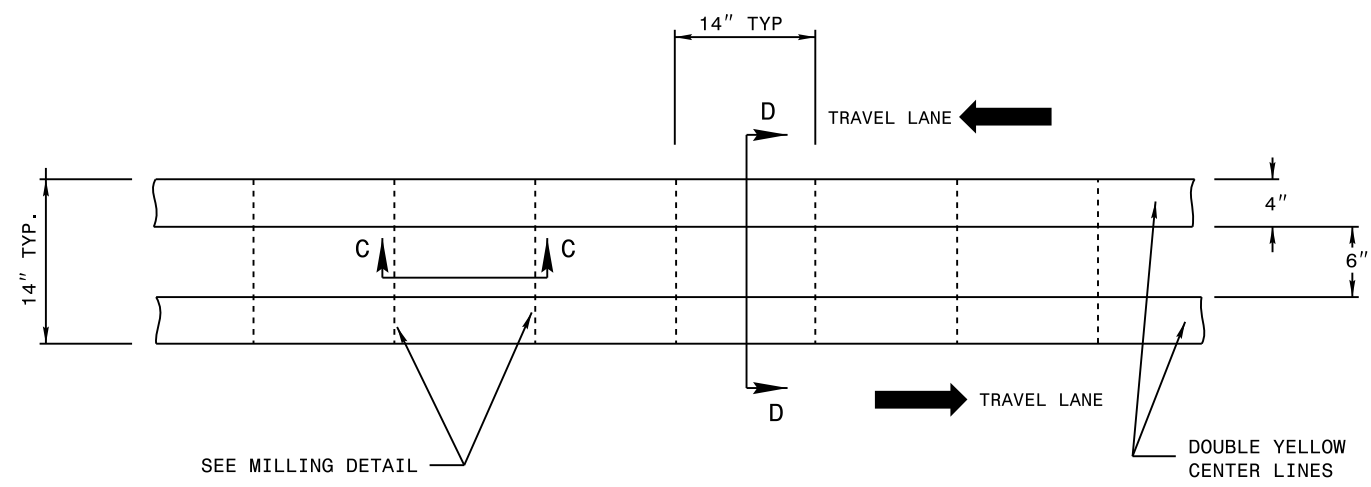


SECTION C-C'



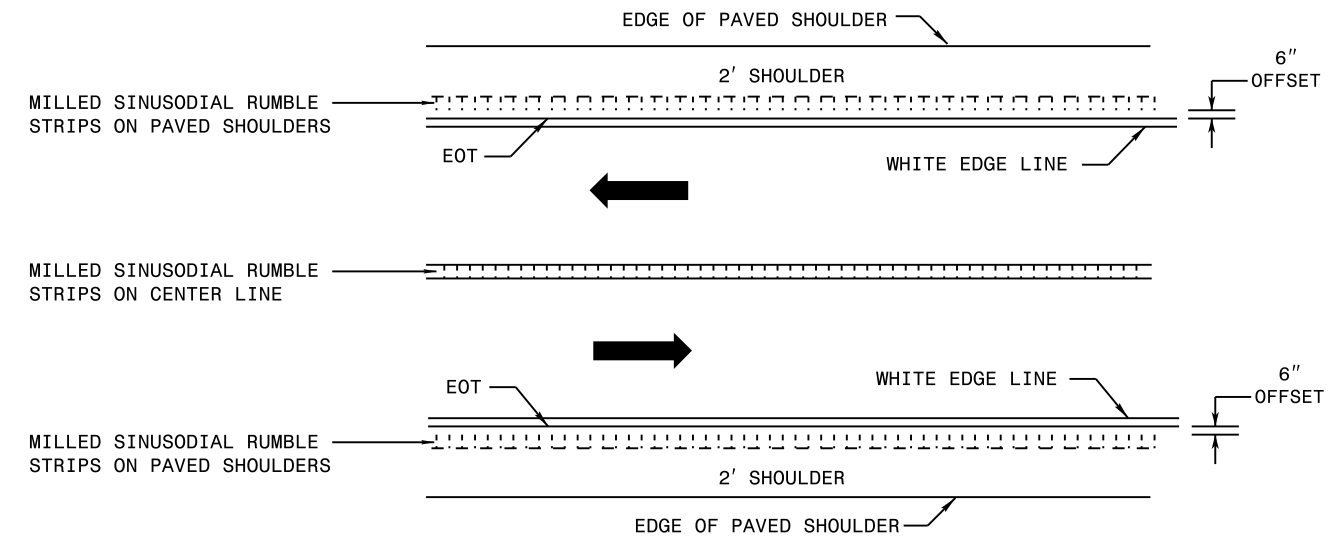
SECTION D-D'

### CENTER LINE



**NOTES:**

- 1) PAVEMENT MARKING MATERIAL SHALL BE THERMOPLASTIC.
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- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.
- 4) PLACE MILLED SINUSODIAL RUMBLES AS SHOWN ABOVE IN THIS DETAIL ON BOTH SHOULDERS IN BOTH DIRECTIONS.
- 5) IF SNOWPLOWABLE MARKERS ARE TO BE INSTALLED IN THE CENTERLINE, SKIP A 24" SPACE IN THE RUMBLE STRIPES EVERY 80'.



### LANE TREATMENT

7/25/2016

21-JUN-2018 15:34 S:\BDC\RDY\Ston\W-5710GA-US 52 Rumble Strips\sinusodial rumble strips-revised.dgn