

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION 6

PLANS

Letting Date: March 5, 2025

CONTRACT ID: DF00507

TIP NO.: HS-2406K & HS-2406M

FEDERAL AID NO.: HSIP-5097811 & HSIP-5097813

WBS ELEMENT NO.: 50978.3.12 & 50978.3.14

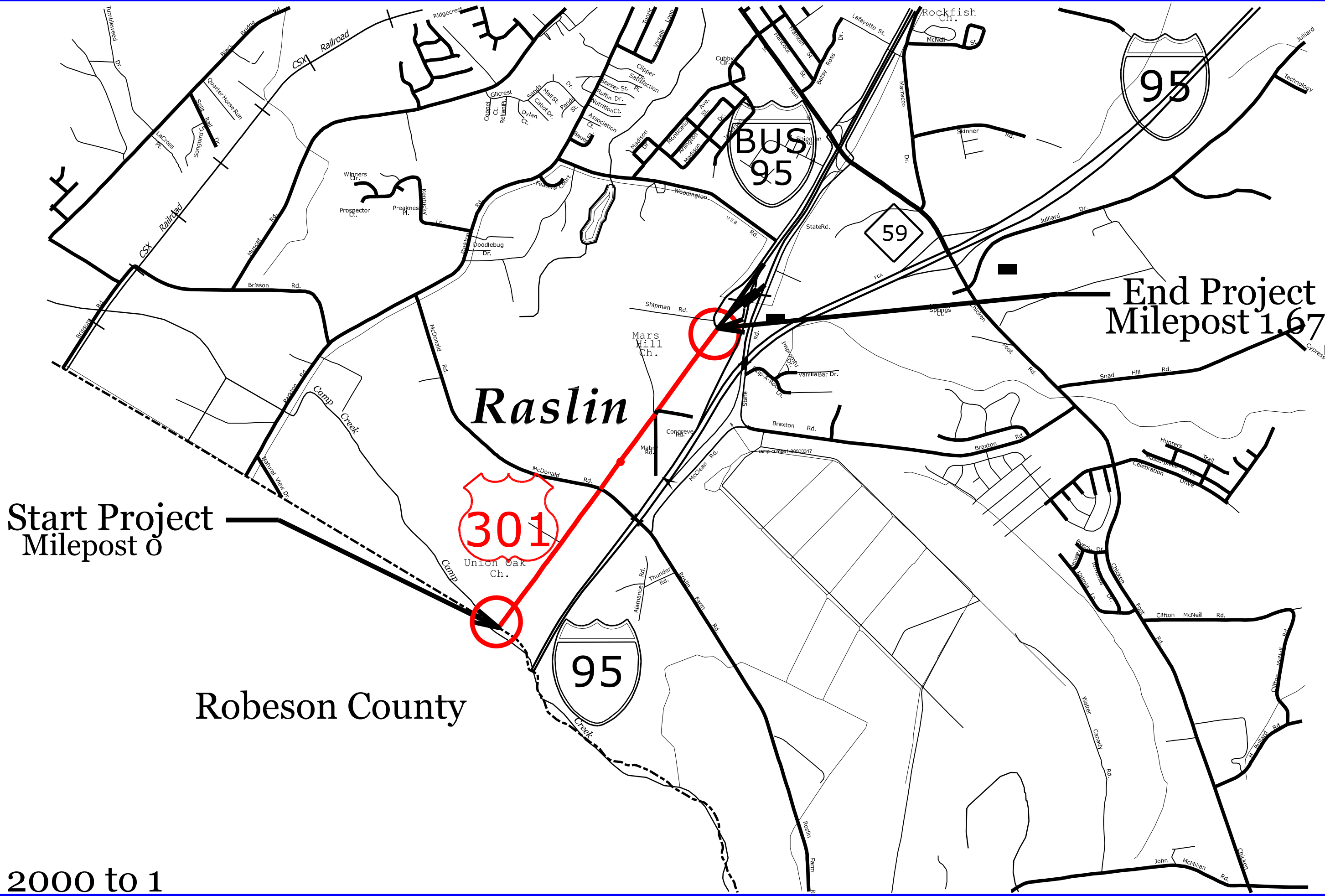
ROUTE NO.: US 301 & NC 130

LOCATION: VARIOUS

COUNTY: CUMBERLAND, HARNETT & ROBESON

LENGTH OF PROJECT: 30.515 MILES

TYPE OF WORK: SINUSOIDAL MILLED RUMBLE STRIPES & PAVEMENT MARKINGS



Start Project
Milepost 0

End Project
Milepost 1.67

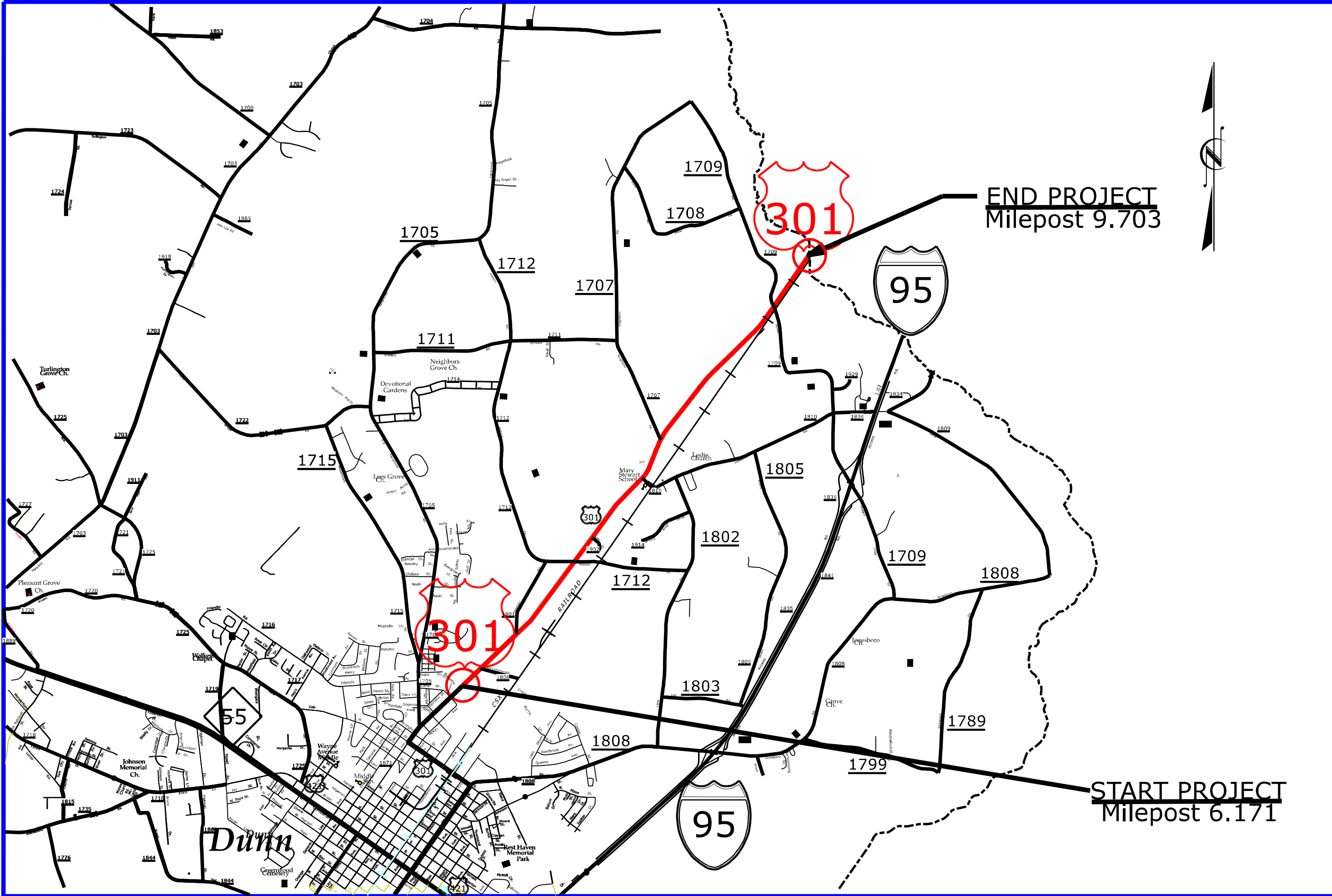
Robeson County

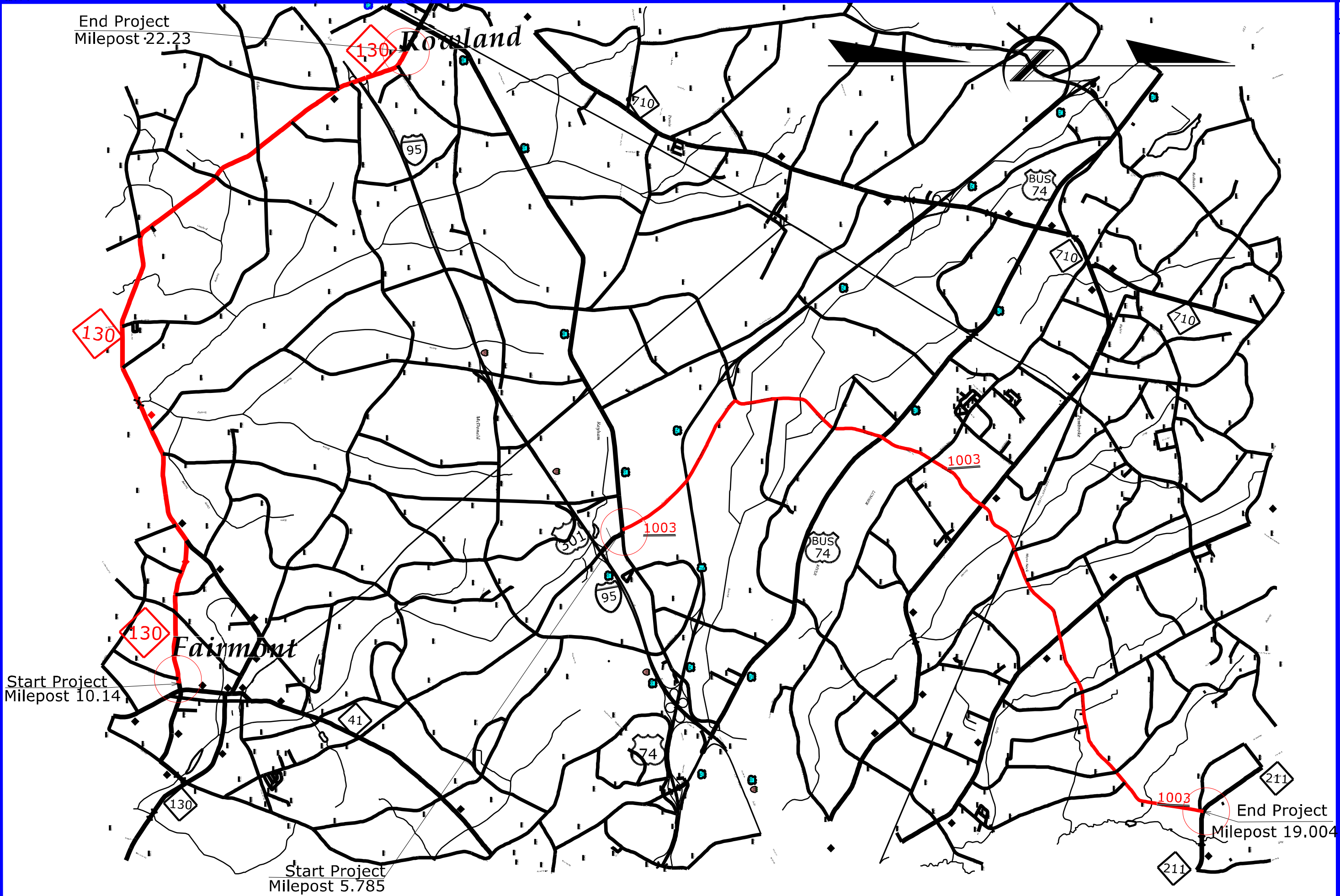
2000 to 1

HS-2406K



HS-2406K

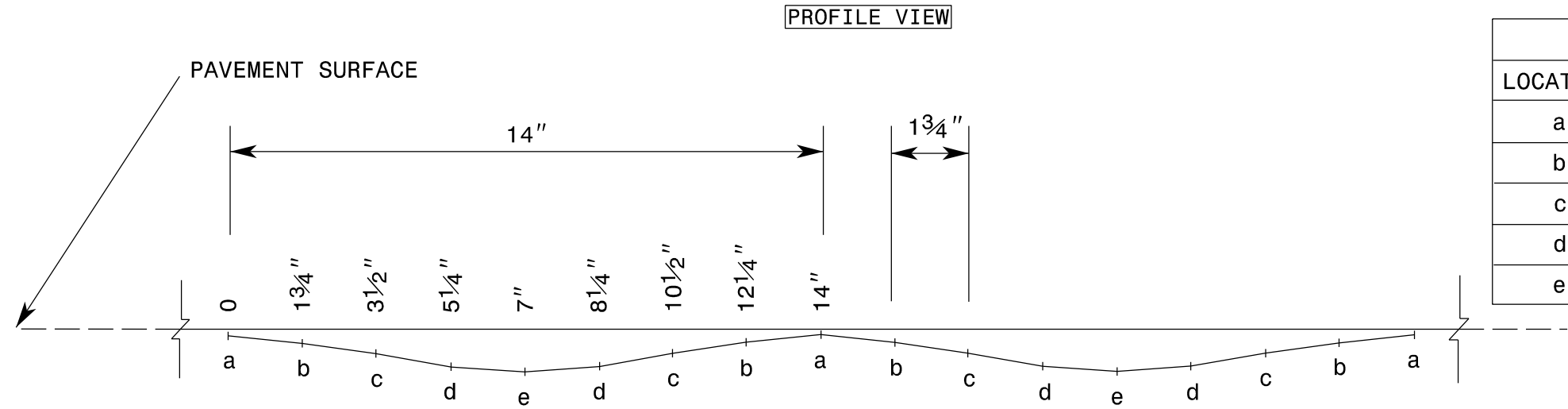
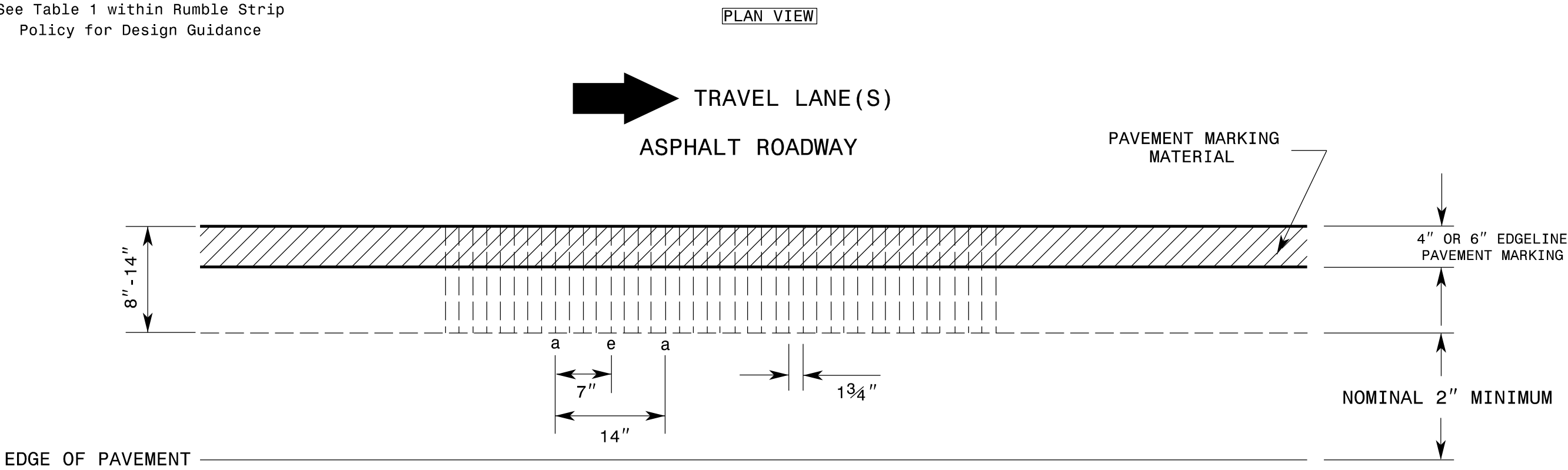




HS-2406M

County	Map_Number	Route_ID	Description	From	To	WBS	TIP
Cumberland	1	20000301026	US 301 from Milepost 0 to 1.6474 in Cumberland County; Install rumble stripes ,6" long life pavement markings, and raised pavement markers.	0	1.674	50978.1.12	HS-2406K
Harnett	2	20000301043	US 301 from Milepost 6.171 to 9.703 in Harnett County. Install rumble stripes ,6" long life pavement markings, and raised pavement markers.	6.171	9.703	50978.1.12	HS-2406K
Robeson	3	39000130078	NC 130 FROM MILEPOST 10.14 TO 22.23; INSTALL RUMBLE STRIPES, 6" LONG LIFE PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS.	10.14	22.23	50978.1.14	HS-2406M
Robeson	4	40001003078	SR 1003 FROM MILEPOST 5.785 TO 19.004. INSTALL RUMBLE STRIPES, 6" LONG LIFE PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS.	5.785	19.004	50978.1.14	HS-2406M

See Table 1 within Rumble Strip
Policy for Design Guidance



LOCATION	DEPTH	
	MIL	INCHES
a	62.5	1/16"
b	125	1/8"
c	219	7/32"
d	344	11/32"
e	375	3/8"

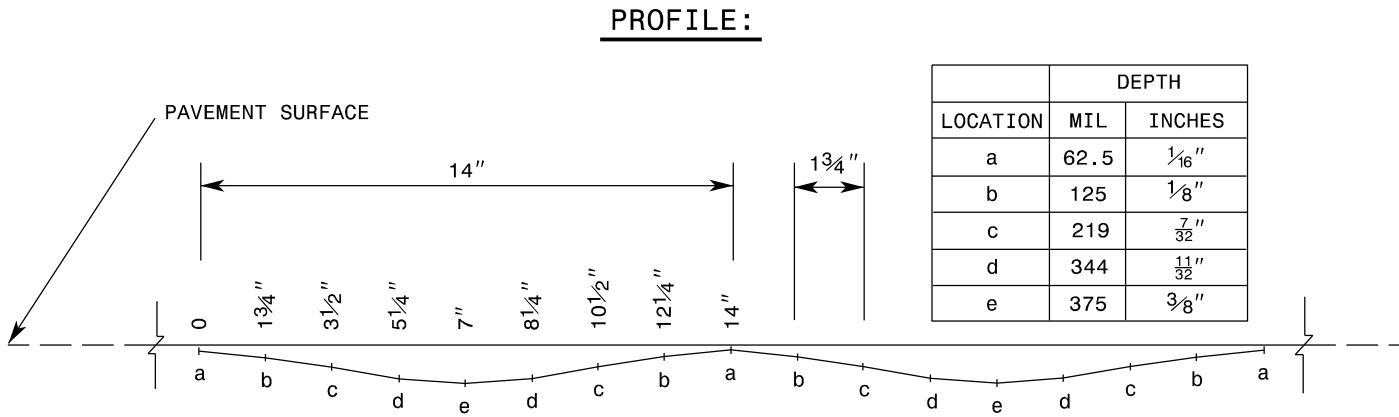
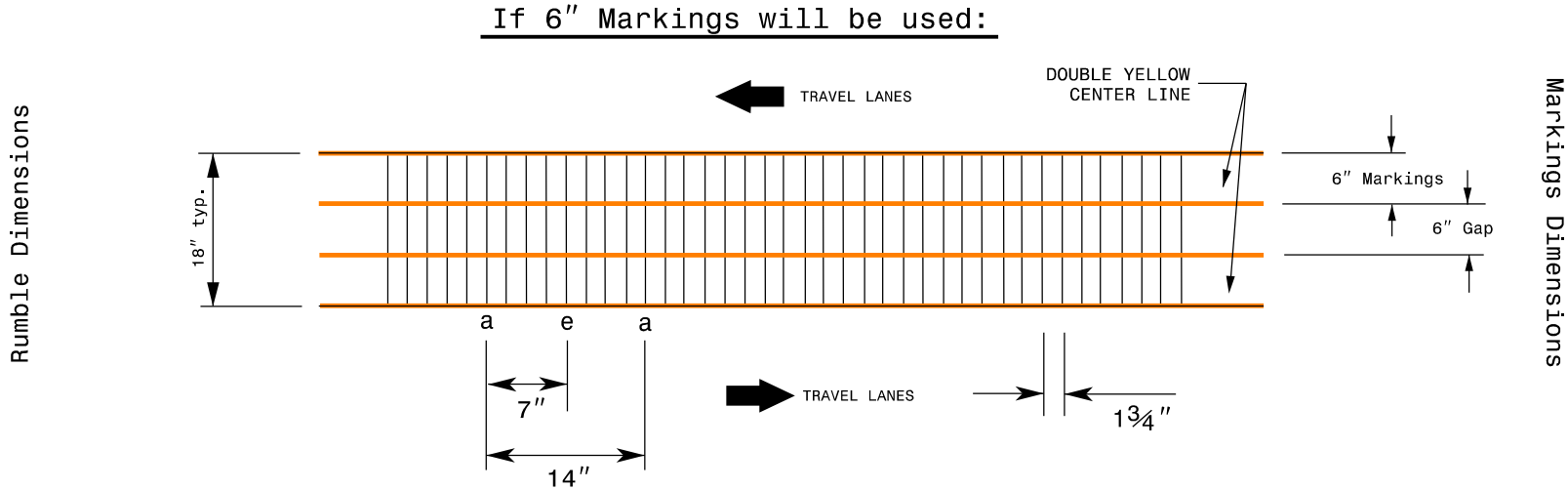
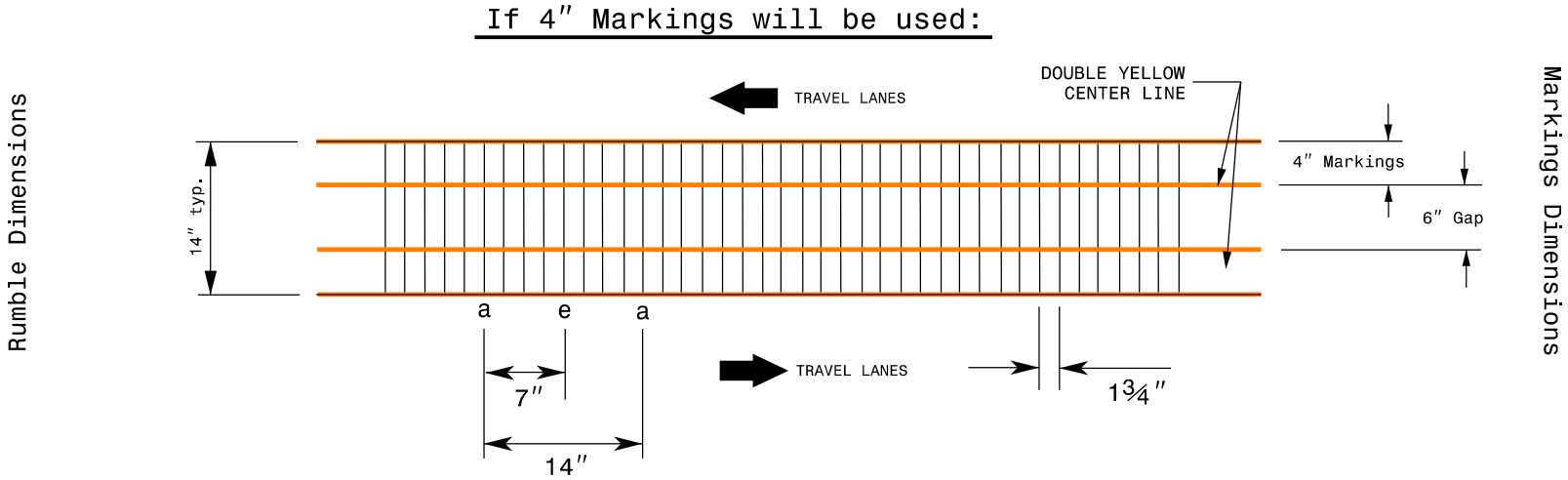
REFERENCE DRAWING ID: Sin.Stripe

DRAFT REFERENCE DRAWING: FEBRUARY 2023

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
- 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.

See Table 2 within Rumble Strip
Policy for Design Guidance



REFERENCE DRAWING ID: Sin.CL

DRAFT REFERENCE DRAWING: FEBRUARY 2023

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
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