NORTH CAROLINA TURNPIKE AUTHORITY SIGNING STANDARD DETAILS

List of Sheets

NCTA TOLL ROAD SIGNING

T-01 Electronic Toll Collection

T-02 Entrances - Exit Ramps and Mainlines

T-03 Entrances - Service Interchanges

NCTA EXRESS LANE SIGNING (NOT INCLUDED)

E-01 Initial Entry

E-02 Intermediate Ingress

E-03 Intermediate Ingress and Egress

E-04 Intermediate Egress

E-05 Direct Exit

E-06 Direct Entrance

E-07 Mainline End

NCTA STANDARD HIGHWAY SIGNS

D-01 Toll Road Electronic Toll Collection Sign

D-02 Toll Road Rate Signs

D-03 Toll Panels

D-04 ETC Logos

D-05 Payments Accepted Signs

D-06A Route Sign Assemblies - Layouts

D-06B Route Sign Assemblies - Mounting Method

D-06C Route Sign Assemblies - Mounting Method

NCTA STANDARD HIGHWAY SIGNS (CONTINUED) (NOT INCLUDED)

D-07 Express Lane Only

D-08 Express Lane Regulatory Panels

D-09A Express Lane Regulatory Signs

D-09B Express Lane Regulatory Signs

D-09C Express Lane Regulatory Signs

D-09D Express Lane Regulatory Signs

D-10 Express Lane End Signs

D-11 Express Lane Entrance

D-12A Express Lane Exits

D-12B Express Lane Exits

D-13 Local Exits

D-14 Express Lane Pull Through

D-15A Direct Entrance Guide Signs

D-15B Direct Entrance Guide Signs

D-16 Express Exit

D-17 Toll Panels

D-18 Comparison Sign

D-19A Express Lane Toll Rate Signs

D-19B Express Lane Toll Rate Signs

D-19C Express Lane Toll Rate Signs

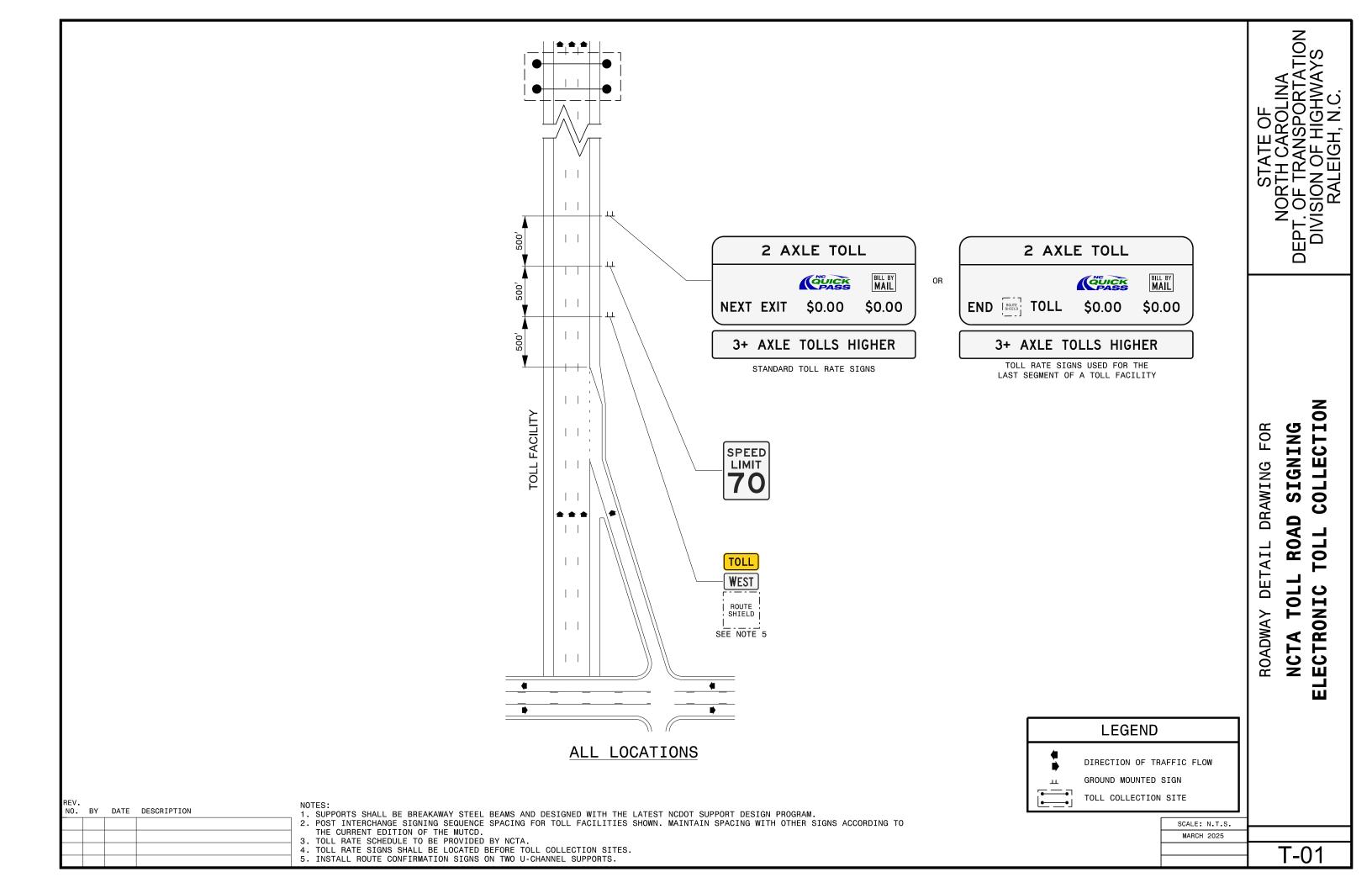
D-19D Express Lane Toll Rate Signs

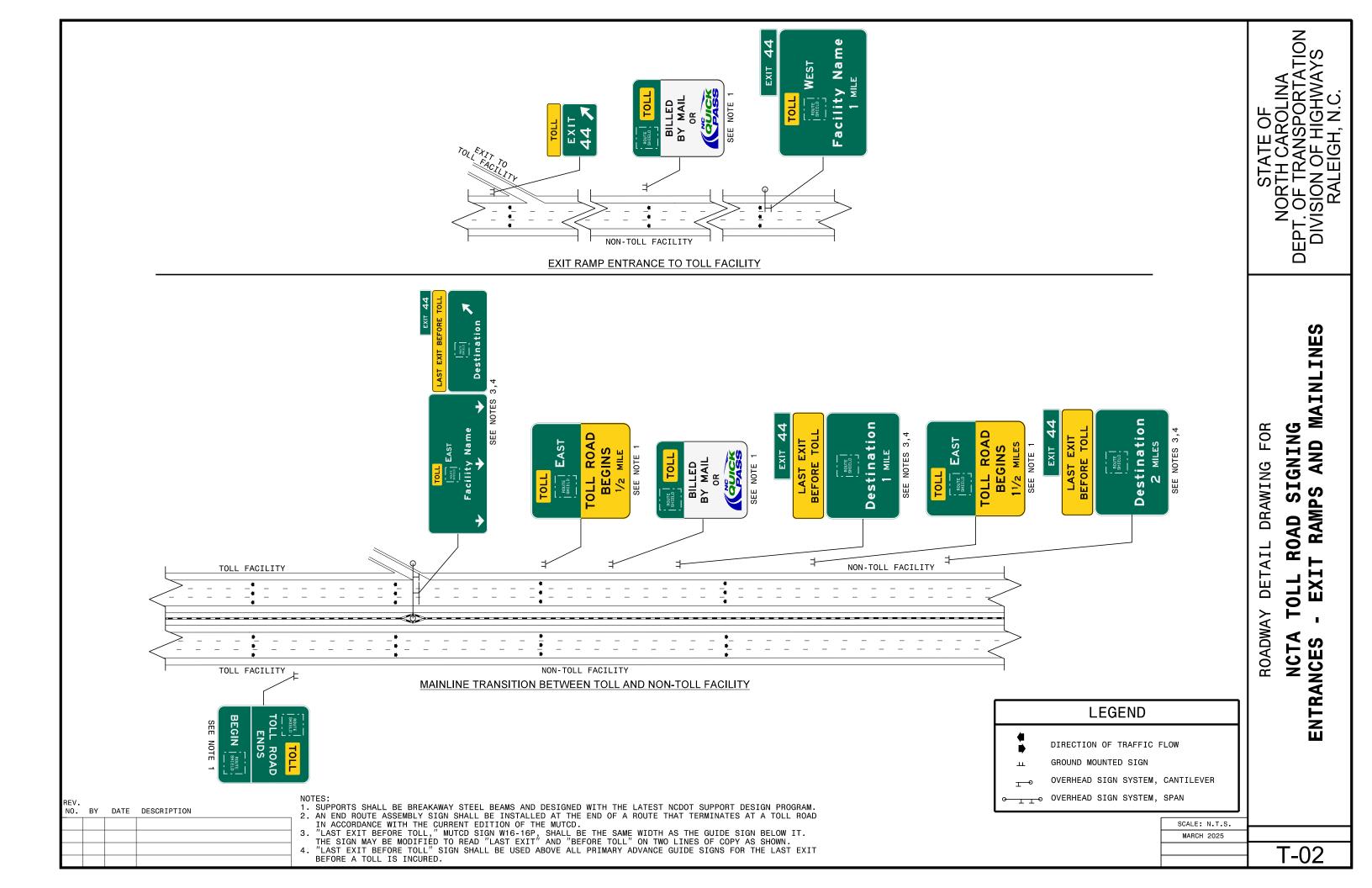
D-19E Express Lane Toll Rate Signs

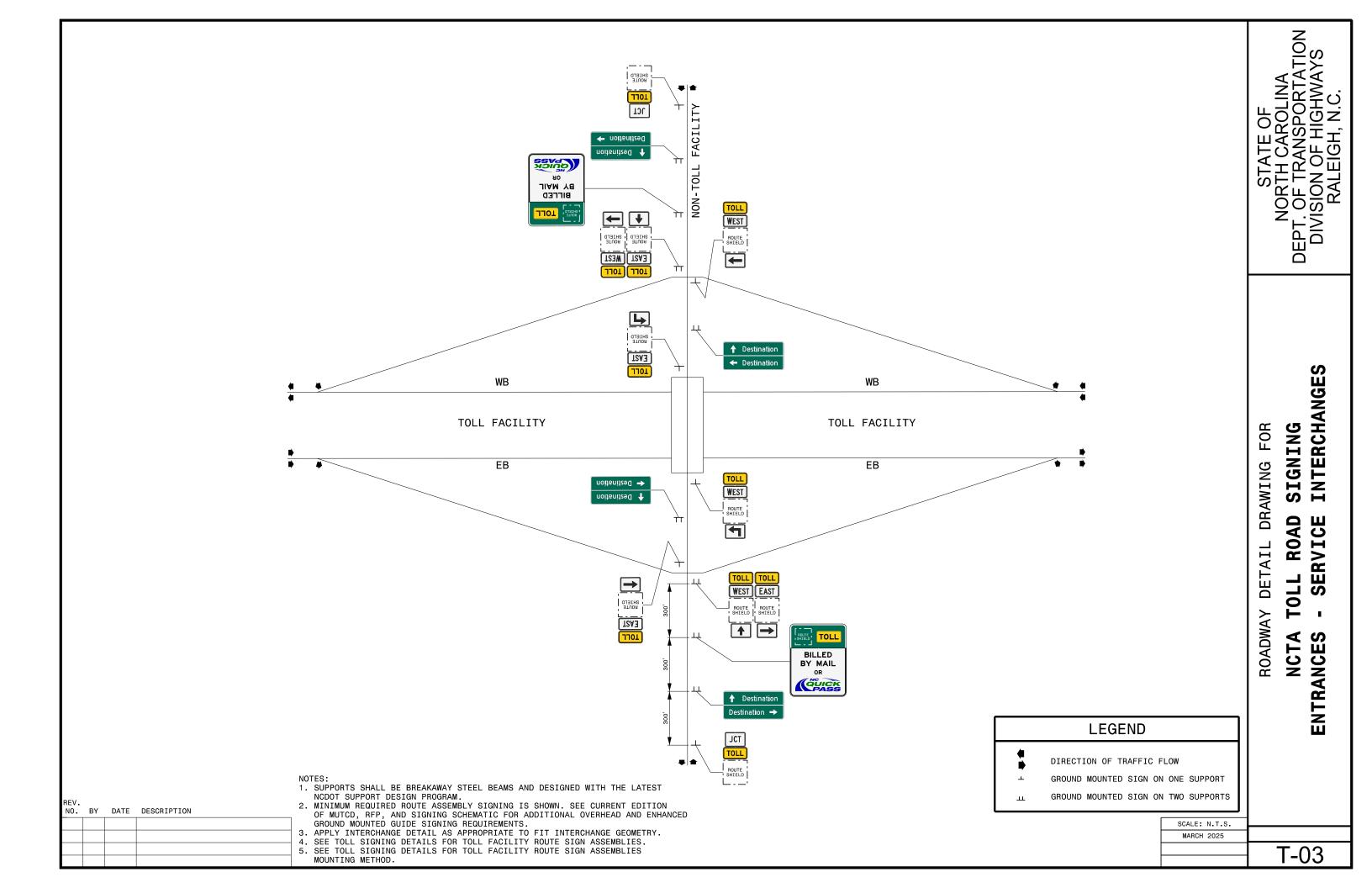
D-19F Express Lane Toll Rate Signs

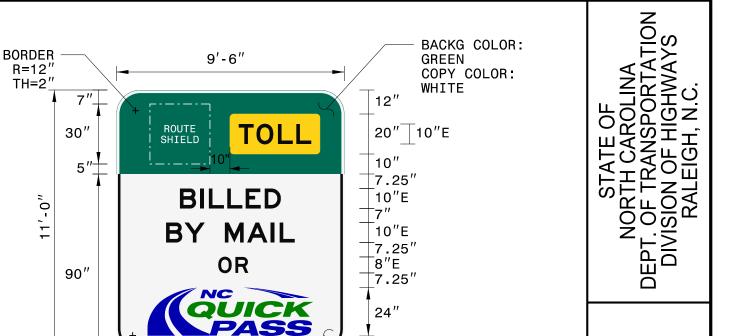
D-19G Express Lane Toll Rate Signs











9.25"

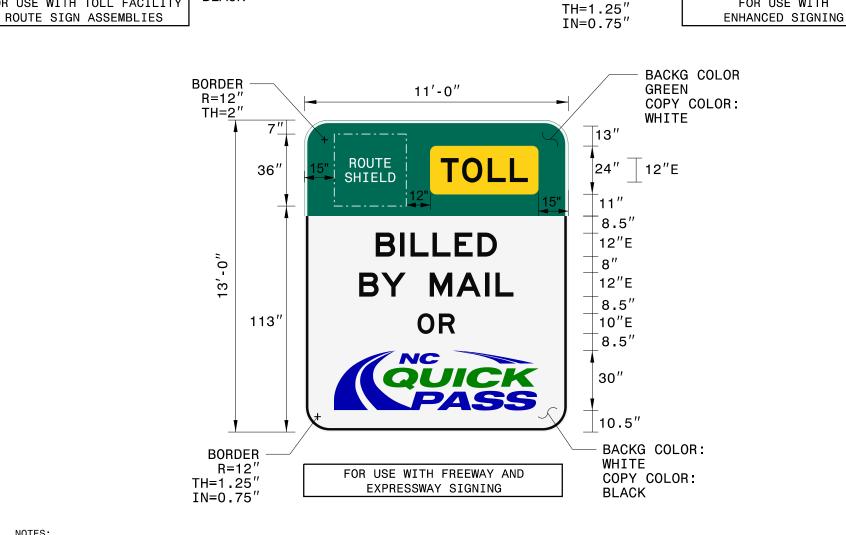
WHITE

BLACK

FOR USE WITH

BACKG COLOR:

COPY COLOR:



BORDER

R=12"

BY DATE DESCRIPTION

BORDER

R=6'

TH=2"

,0-

6

BORDER

TH=1.25"

IN=0.75"

R=6'

7"

24"

77"

7'-0"

BILLED

BY MAIL

OR

FOR USE WITH TOLL FACILITY

QUICK PASS

TOL

ROUTE SHIELD

1. SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.

"TOLL" PLAQUES MOUNTED ON GREEN OR BLUE SIGNS SHALL NOT HAVE BORDERS. 3. MINIMUM SIZES ARE AS SHOWN UNLESS OTHERWISE SPECIFICALLY STATED IN NCTA, NCDOT OR FHWA STANDARDS. IN SUCH CASES, THE LARGEST MINIMUM SHALL APPLY.

4. ETC LOGOS SHALL BE DEMOUNTABLE.

BACKG COLOR:

COPY COLOR:

GREEN

WHITE

Γ8″E

16"

_ 9″

5"E

5.75' 8"E

5.75" -6"E -5.75"

20"

7.75"

WHITE

BLACK

BACKG COLOR:

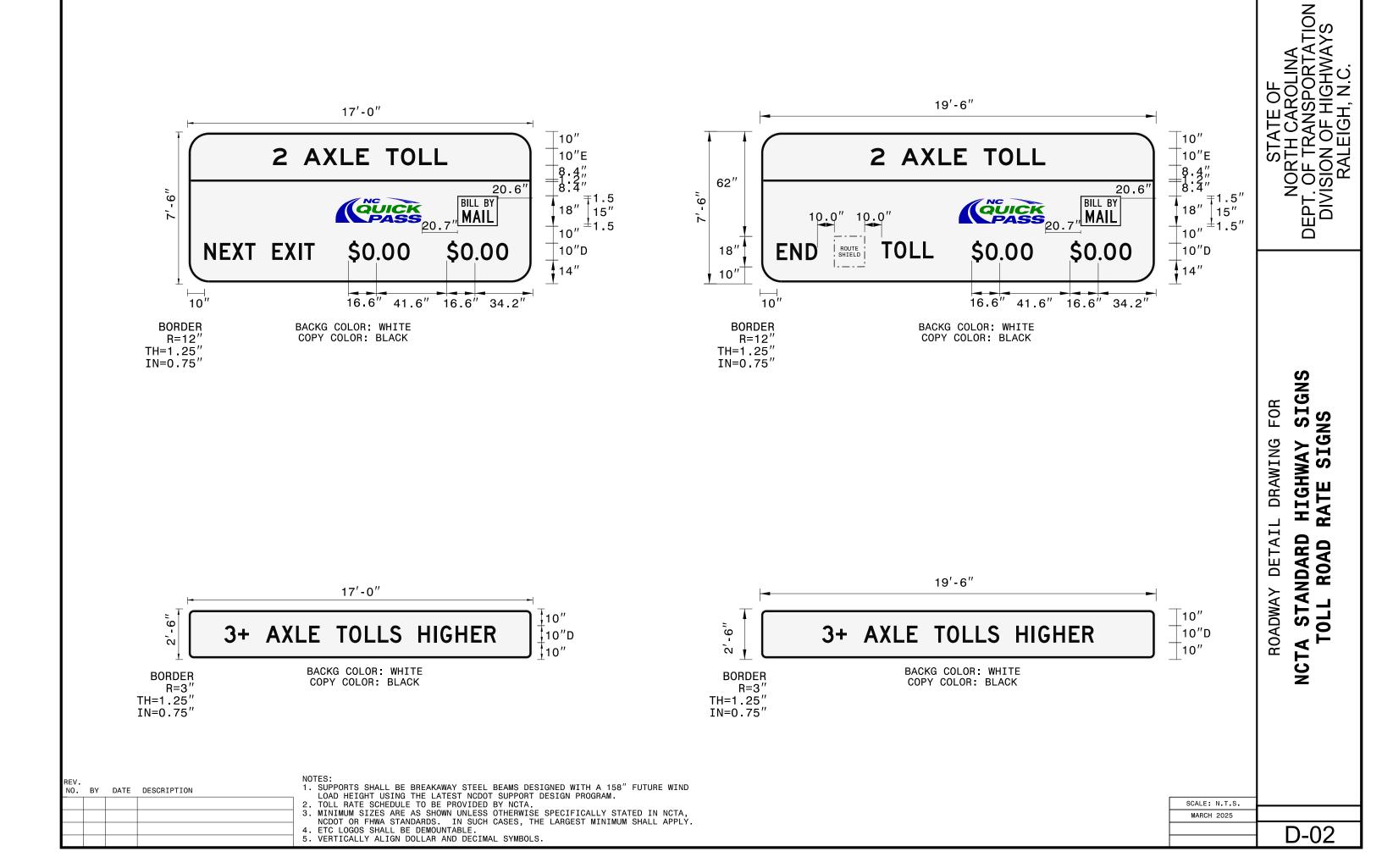
COPY COLOR:

SCALE: N.T.S. MARCH 2025 D-01

SIGNS CLECTION FOR HIGHWAY TOLL COL DRAWING DETAIL STANDARD. ECTRONIC ROADWAY NCTA (**ROAD**

TOLL

SIGN

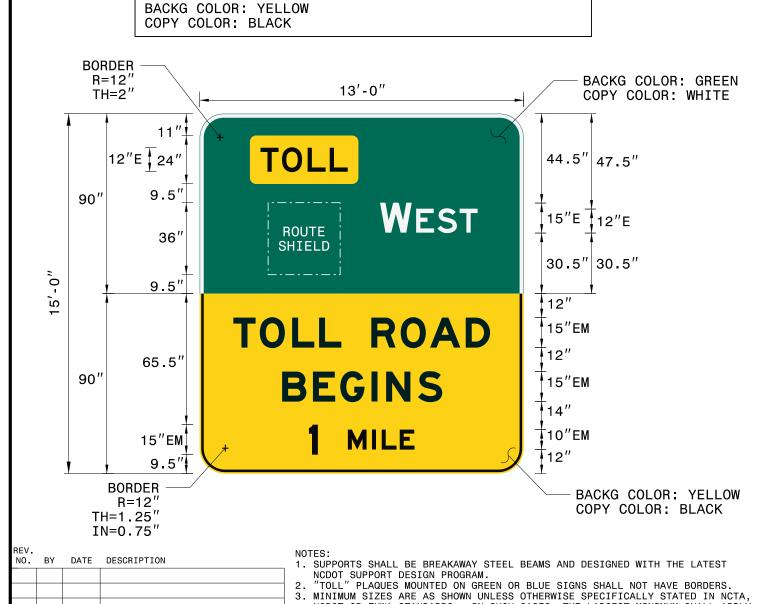


D-03

SCALE: N.T.S. MARCH 2025

	EXIT GORE	"TOLL" PA	NEL SIZES	
 	60″ I	MIN 156	″ MAX.	-
2'-6"		TOLL	•	9" 12"E 9"
BORDER R=3" TH=0.88" IN=0.63"				
BACKG COLOR	: YELLOW			

COPY & BORDER COLOR: BLACK



"TOLL" PLAQUE SIZES

TOLL

ROUTE SIGN SIZE

48"

36"

30"

24"

ROUTE SIGN ASSEMBLY

SIZE

72" x 30"

54" x 24"

45" x 20"

36" x 16"

36" x 18"

(W16-17P)

COPY

15"E

12"E

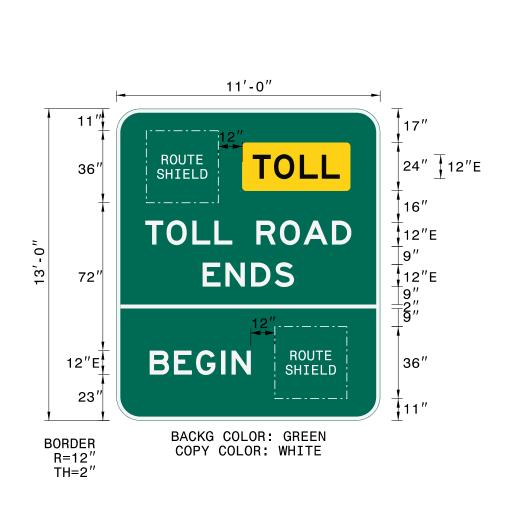
10"E

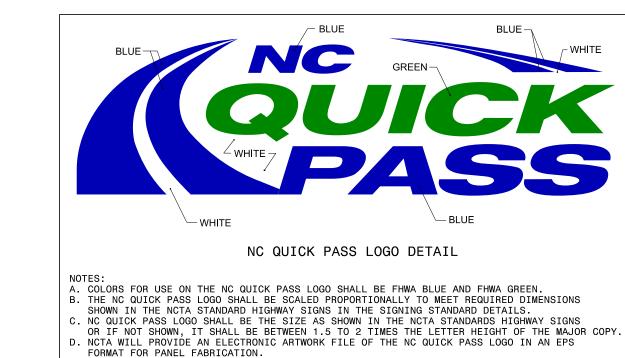
8"E

8"D

NCDOT OR FHWA STANDARDS. IN SUCH CASES, THE LARGEST MINIMUM SHALL APPLY.

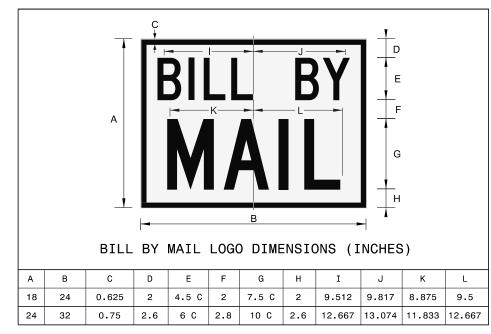
4. PLAQUES SHALL BE DEMOUNTABLE EXCEPT FOR ROUTE SIGN ASSEMBLIES.





E. DO NOT USE BORDER FOR NC QUICK PASS LOGO.

COMMON NC QUICK	PASS DIMENSIONS		
WIDTH	HEIGHT		
102.3"	30"		
81.9"	24"		
68.2"	20"		
51.2"	15"		
40.9"	12"		
34.1"	10"		
27.6"	8"		



BACKG COLOR: WHITE COPY & BORDER COLOR: BLACK SPACING BETWEEN "BILL" AND "BY" IS 0.75 TIMES LETTER HEIGHT

NO. BY DATE DESCRIPTION

ı					

1. ETC LOGOS SHALL BE DEMOUTABLE.

SCALE: N.T.S.

MARCH 2025

D-04

DEPT

SIGNS

HIGHWAY

STANDARD

NCTA

0608

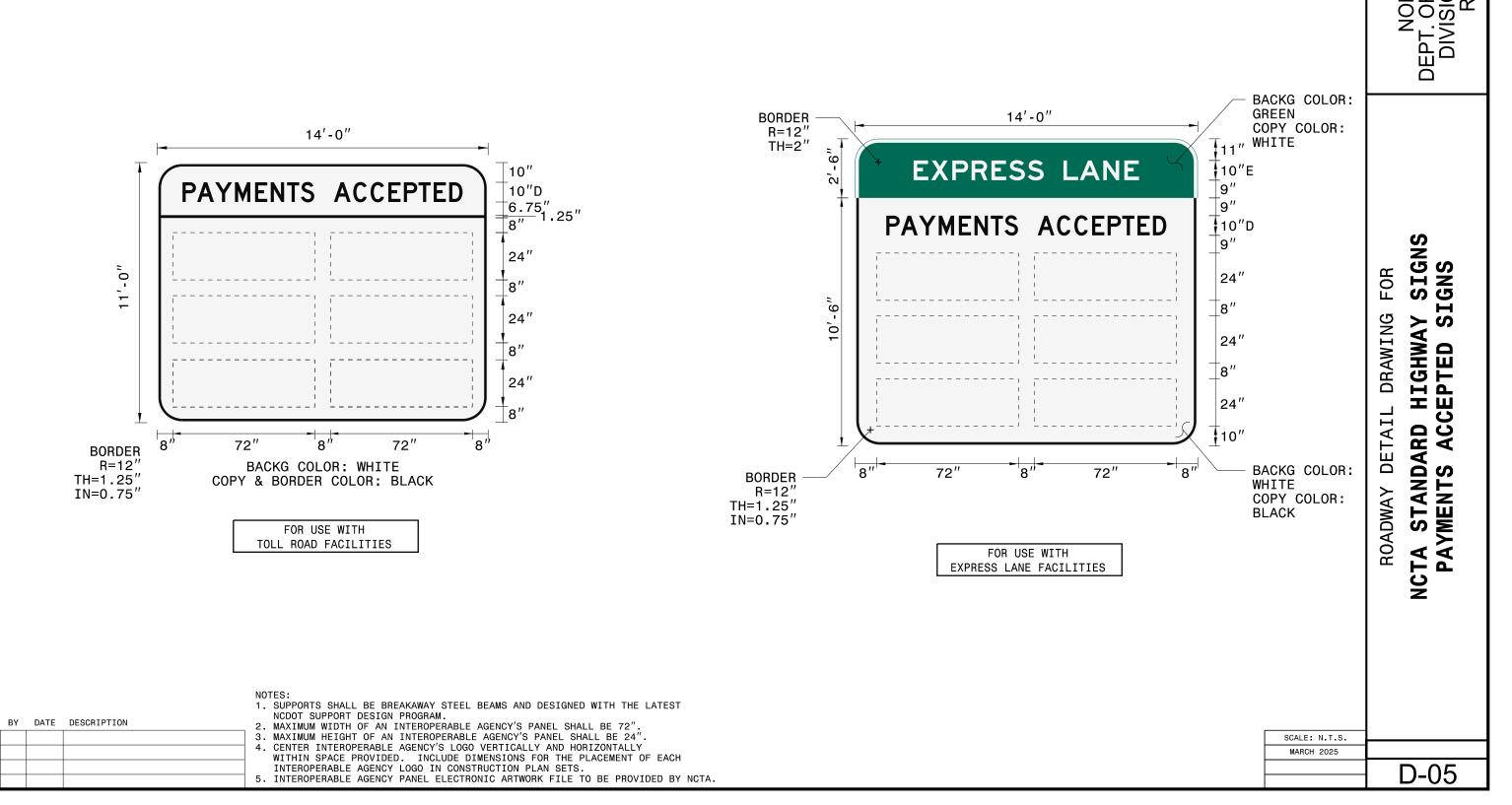
ETC

FOR

DRAWING

DETAIL

ROADWAY





DEPT

LAYOUTS SIGNS FOR DRAWING HIGHWAY ASSEMBLIES DETAIL STANDARD ROADWAY SIGN NCTA

DOUBLE ASSEMBLY (ONE ASSEMBLY NON-TOLL)

DOUBLE ASSEMBLY

JUNCTION ASSEMBLY

BY DATE DESCRIPTION

30" X 21"

36" X 18" M1 SERIES

ROUTE 36" X 36" OR SHIELD 45" X 36"

M2-1P

W16-17P

SINGLE ASSEMBLY

ROUTE

SHIELD

M5/M6 SERIES 30" X 21"

W16-17P

36" X 18"

M3 SERIES

36" X 18'

M1 SERIES

36" X 36'

45"

OR

X 36"

W16-17P 36" X 18'

ROUTE

SHIELD

M3 SERIES 36" X 18"

M1 SERIES 36" X 36"

OR

45" X 36"

M5/M6 SERIES

30" X 21"

ROUTE

SHIELD

W16-17P 36" X 18"

M3 SERIES 36" X 18'

M1 SERIES 36" X 36' OR 45" X 36"

M5/M6 SERIES M5/M6 SERIES 30" X 21" 30" X 21"

W16-17P 36" X 18"

M3 SERIES 36" X 18' M1 SERIES 36" X 36" ROUTE

SHIELD

M1 SERIES 36" X 36" ROUTE SHIELD OR 45" X 36"

M3 SERIES

36" X 18'

OR

45" X 36"



M6 SERIES 30" X 21"

FOR USE WITH TOLL ROAD FACILITIES

W16-17P 36" X 18"



DIRECT ENTRANCE 36" X 66"

W16-17P 36" X 18"



DIRECT ENTRANCE 36" X 78"

OUTER ROUTE SHIELD SOUTH **EXPRESS** LANE

TOLL

DIRECT ENTRANCE 36" X 90"

W16-17P

36" X 18'

FOR USE WITH EXPRESS LANE FACILITIES

1. SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.

2. MINIMUM SIZES ARE AS SHOWN UNLESS OTHERWISE SPECIFICALLY STATED IN NCTA, NCDOT OR

FHWA STANDARDS. IN SUCH CASES, THE LARGEST MINIMUM SHALL APPLY. 3. ANY REQUIRED AUXILIARY PLAQUES NOT SHOWN (M4 SERIES) SHALL BE DESIGNED IN ACCORDANCE

WITH THE "OVERSIZED" COLUMN OF MUTCD TABLE 2D-1 AND INSTALLED DIRECTLY ABOVE THE ROUTE SHIELD.

4. SEE NCTA STANDARD HIGHWAY SIGNS - ROUTE SIGN ASSEMBLIES MOUNTING DETAILS SHEETS (SHEETS D-06B AND D-06C).

5. M2 THRU M6 SERIES PLAQUES SHALL MATCH THE BACKGROUND AND LEGEND COLORS OF THE ROUTE SHIELD.

SCALE: N.T.S. MARCH 2025

D-06A

ROUTE

