

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 EXPRESS LANE SIGNING

- E-01 Initial Entrance
- E-02 Intermediate Entry
- E-03A Intermediate Entry and Egress (Weave) - Single Express Lane
- E-03B Intermediate Entry and Egress (Weave) - Multi Express Lanes
- E-04A Intermediate Egress - Single Express Lane
- E-04B Intermediate Egress - Multi Express Lanes
- E-05A Direct Exit - Single Express Lane
- E-05B Direct Exit - Multi Express Lanes
- 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

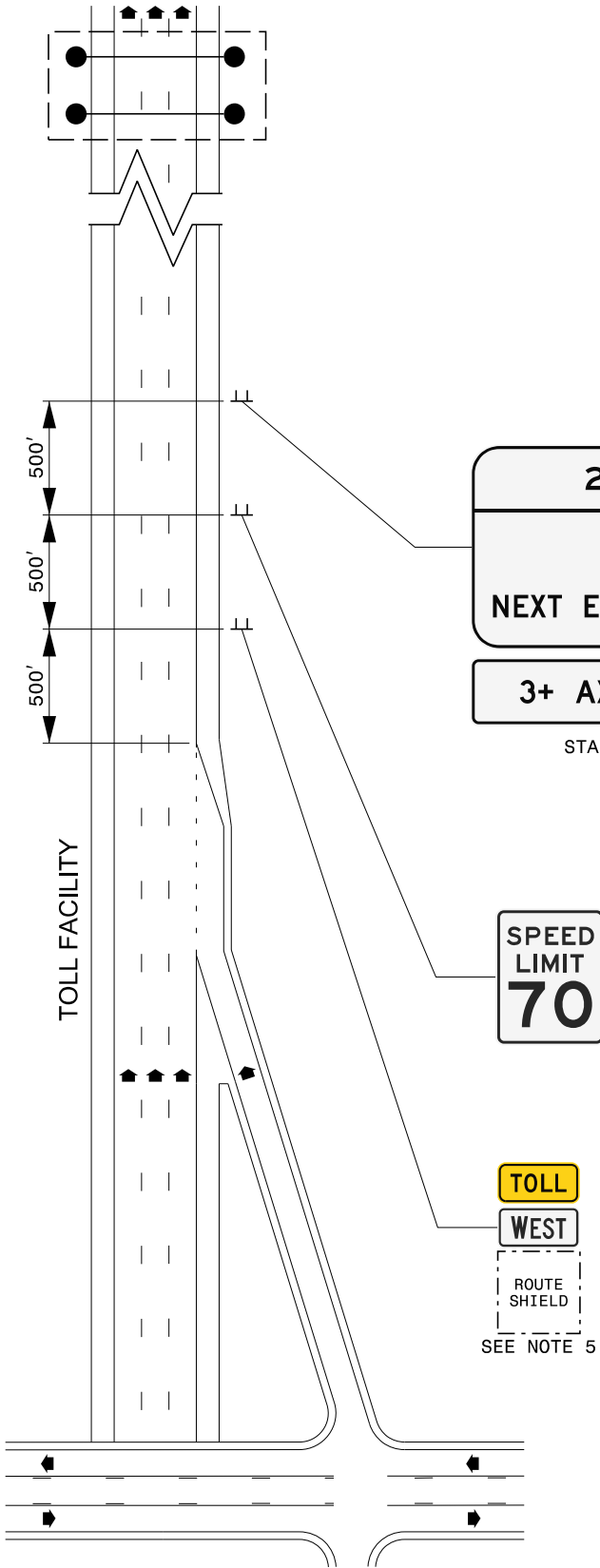
NCTA STANDARD HIGHWAY SIGNS (CONTINUED) (NOT INCLUDED)

- D-07 Express 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
- D-19H Express Lane Toll Rate Signs

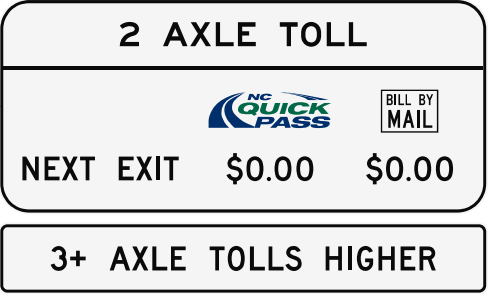


REV. NO.	BY	DATE	DESCRIPTION

- NOTES:
- SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 - POST INTERCHANGE SIGNING SEQUENCE SPACING FOR TOLL FACILITIES SHOWN. MAINTAIN SPACING WITH OTHER SIGNS ACCORDING TO THE CURRENT EDITION OF THE MUTCD.
 - TOLL RATE SCHEDULE TO BE PROVIDED BY NCTA.
 - TOLL RATE SIGNS SHALL BE LOCATED BEFORE TOLL COLLECTION SITES.
 - INSTALL ROUTE CONFIRMATION SIGNS ON TWO U-CHANNEL SUPPORTS.

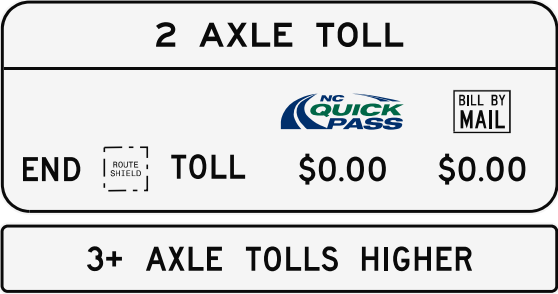


ALL LOCATIONS

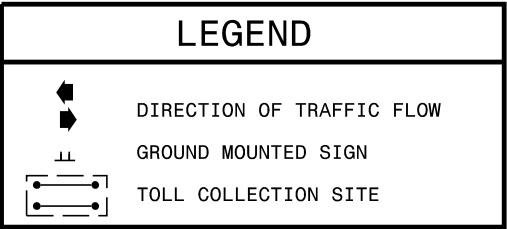


STANDARD TOLL RATE SIGNS

OR



TOLL RATE SIGNS USED FOR THE LAST SEGMENT OF A TOLL FACILITY



SCALE: N.T.S.
APRIL 2026

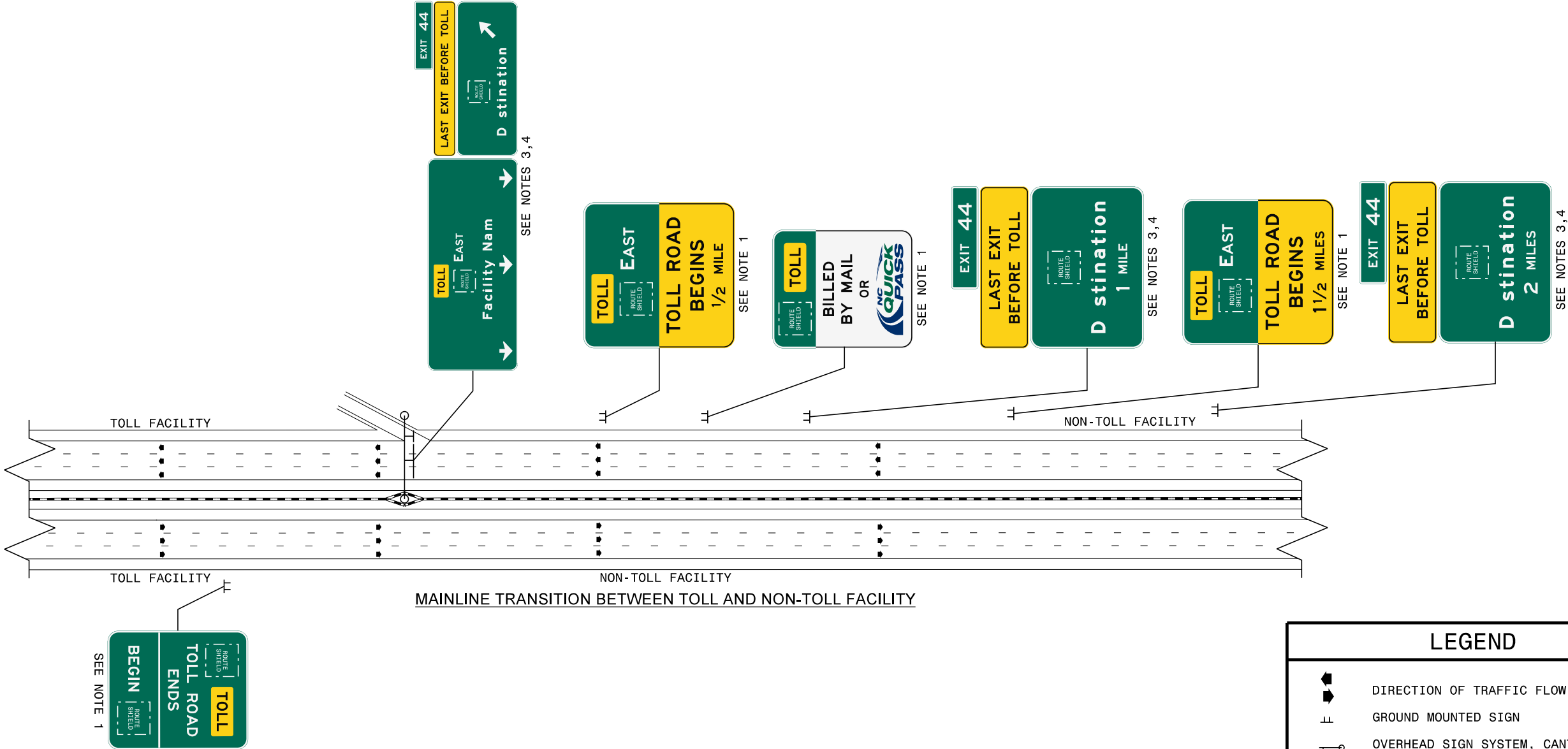
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
NCTA TOLL ROAD SIGNING
ELECTRONIC TOLL COLLECTION

T-01

REV. NO.	BY	DATE	DESCRIPTION

- NOTES:
- SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 - AN END ROUTE ASSEMBLY SIGN SHALL BE INSTALLED AT THE END OF A ROUTE THAT TERMINATES AT A TOLL ROAD IN ACCORDANCE WITH THE CURRENT EDITION OF THE MUTCD.
 - "LAST EXIT BEFORE TOLL," MUTCD SIGN W16-16P, SHALL BE THE SAME WIDTH AS THE GUIDE SIGN BELOW IT. THE SIGN MAY BE MODIFIED TO READ "LAST EXIT" AND "BEFORE TOLL" ON TWO LINES OF COPY AS SHOWN.
 - "LAST EXIT BEFORE TOLL" SIGN SHALL BE USED ABOVE ALL PRIMARY ADVANCE GUIDE SIGNS FOR THE LAST EXIT BEFORE A TOLL IS INCURED.



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	GROUND MOUNTED SIGN
	OVERHEAD SIGN SYSTEM, CANTILEVER
	OVERHEAD SIGN SYSTEM, SPAN

SCALE: N.T.S.
APRIL 2026

ROADWAY DETAIL DRAWING FOR

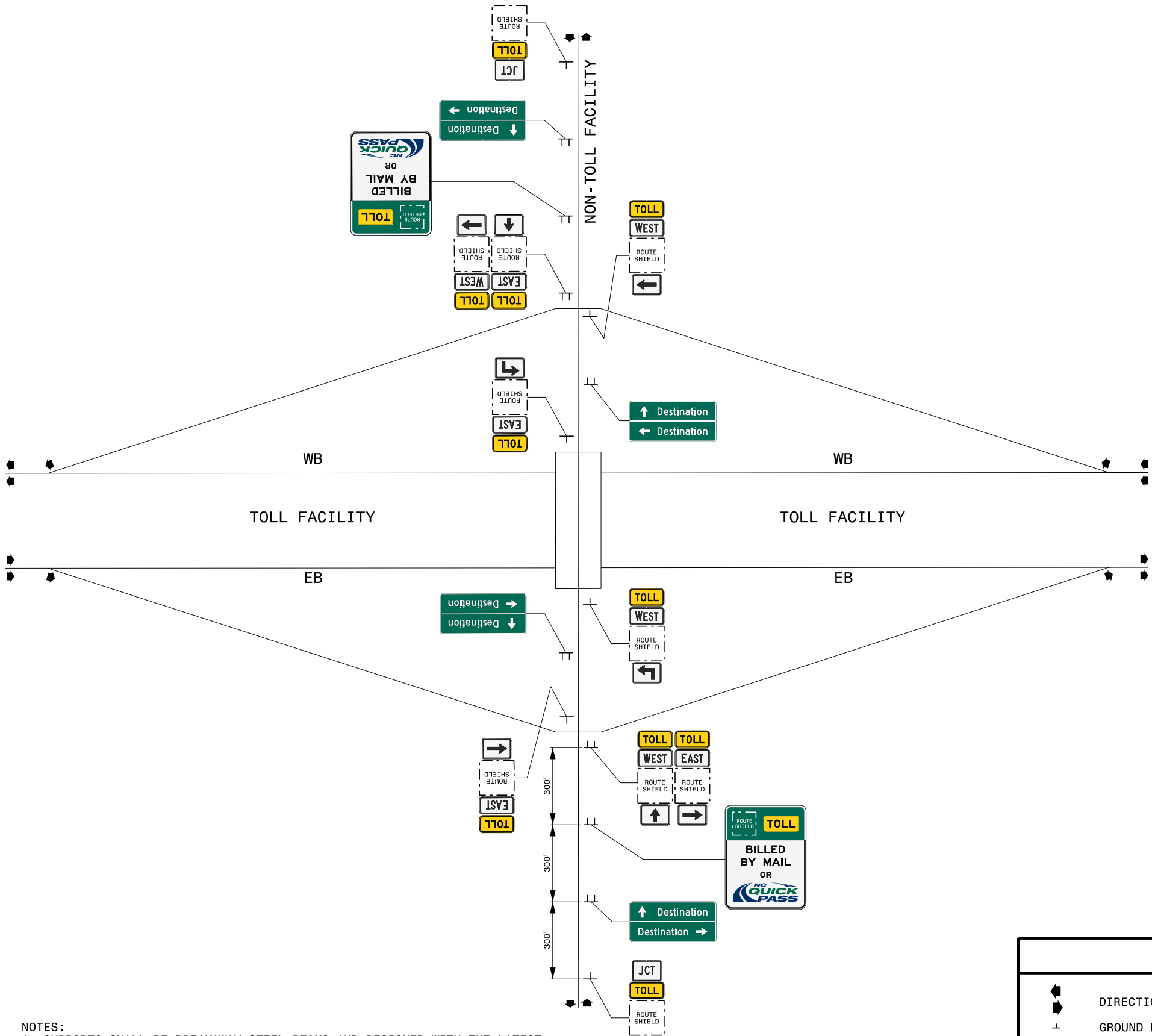
NCTA TOLL ROAD SIGNING

ENTRANCES - EXIT RAMPS AND MAINLINES

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

REV. NO.	BY	DATE	DESCRIPTION

- NOTES:
- SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 - MINIMUM REQUIRED ROUTE ASSEMBLY SIGNING IS SHOWN. SEE CURRENT EDITION OF MUTCD, RFP, AND SIGNING SCHEMATIC FOR ADDITIONAL OVERHEAD AND ENHANCED GROUND MOUNTED GUIDE SIGNING REQUIREMENTS.
 - APPLY INTERCHANGE DETAIL AS APPROPRIATE TO FIT INTERCHANGE GEOMETRY.
 - SEE TOLL SIGNING DETAILS FOR TOLL FACILITY ROUTE SIGN ASSEMBLIES.
 - SEE TOLL SIGNING DETAILS FOR TOLL FACILITY ROUTE SIGN ASSEMBLIES MOUNTING METHOD.



LEGEND	
	DIRECTION OF TRAFFIC FLOW
	GROUND MOUNTED SIGN ON ONE SUPPORT
	GROUND MOUNTED SIGN ON TWO SUPPORTS

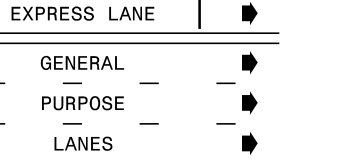
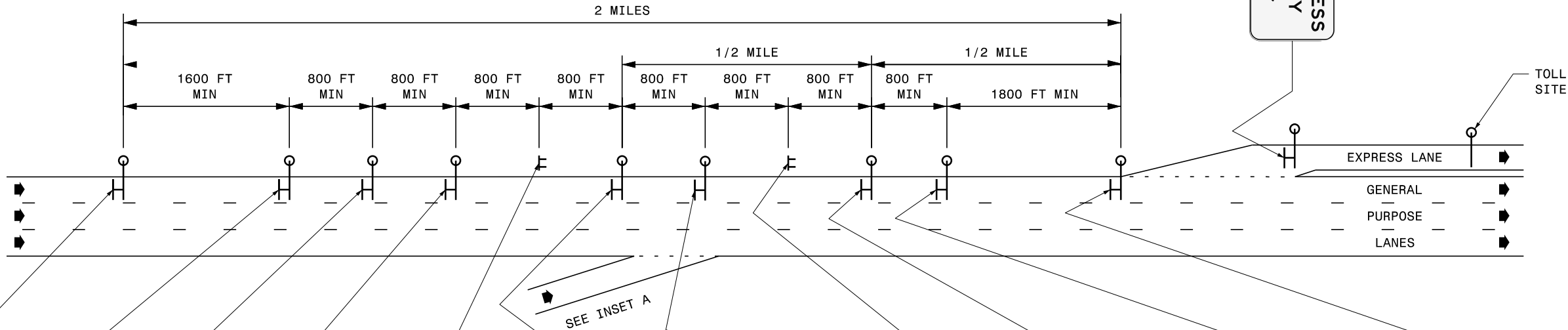
SCALE: N.T.S.
APRIL 2026

ROADWAY DETAIL DRAWING FOR
NCTA TOLL ROAD SIGNING
ENTRANCES - SERVICE INTERCHANGES

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
NCTA EXPRESS LANE SIGNING
INITIAL ENTRANCE

E-01



2 AXLE VEHICLES ONLY
SEE NOTES 6,7



SEE NOTES 1,7



SINGLE AXLE TRAILERS ALLOWED
SEE NOTES 6,7



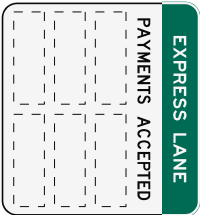
SEE NOTES 4,7



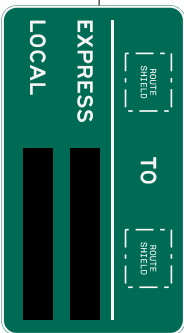
SEE NOTES 2,3,7



2 AXLE VEHICLES ONLY
SEE NOTES 6,7



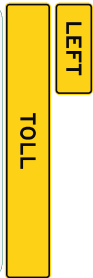
SEE NOTES 4,7



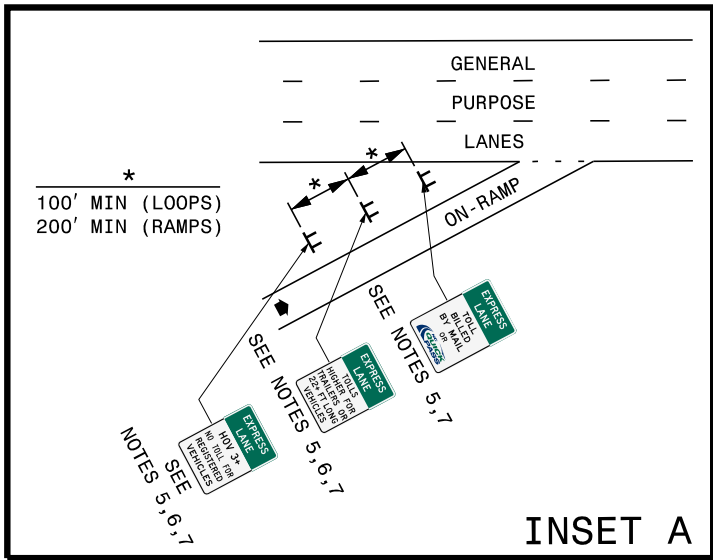
SEE NOTES 6,7



SEE NOTES 6,7



2 AXLE VEHICLES ONLY
SEE NOTES 6,7



INSET A

- NOTES:
1. TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN IF ADDITIONAL DESTINATIONS ARE ACCESSIBLE VIA THE NEXT SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES.
 2. DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
 3. DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR DIRECT EXIT FROM THE EXPRESS LANE.
 4. MAY BE INSTALLED ON OUTSIDE SHOULDER IF MEDIAN INSTALLATION IS NOT POSSIBLE.
 5. GROUND MOUNTED RAMP SIGNS SHALL BE ERECTED ON THE LEFT ALONG EACH ON-RAMP WITHIN THE EXPRESS LANE SIGNING EXTENTS.
 6. EXPRESS LANE REGULATORY SIGN MESSAGING SHALL BE IN COMPLIANCE WITH THE NORTH CAROLINA GENERAL STATUTES AND NORTH CAROLINA ADMINISTRATIVE CODE AS WELL AS ALL TRAFFIC ORDINANCES, NCTA BUSINESS RULES AND COMPREHENSIVE AGREEMENTS FOR THE FACILITY.
 7. USE "LANES" IN LIEU OF "LANE" FOR A MULTI-LANE EXPRESS LANE FACILITY.

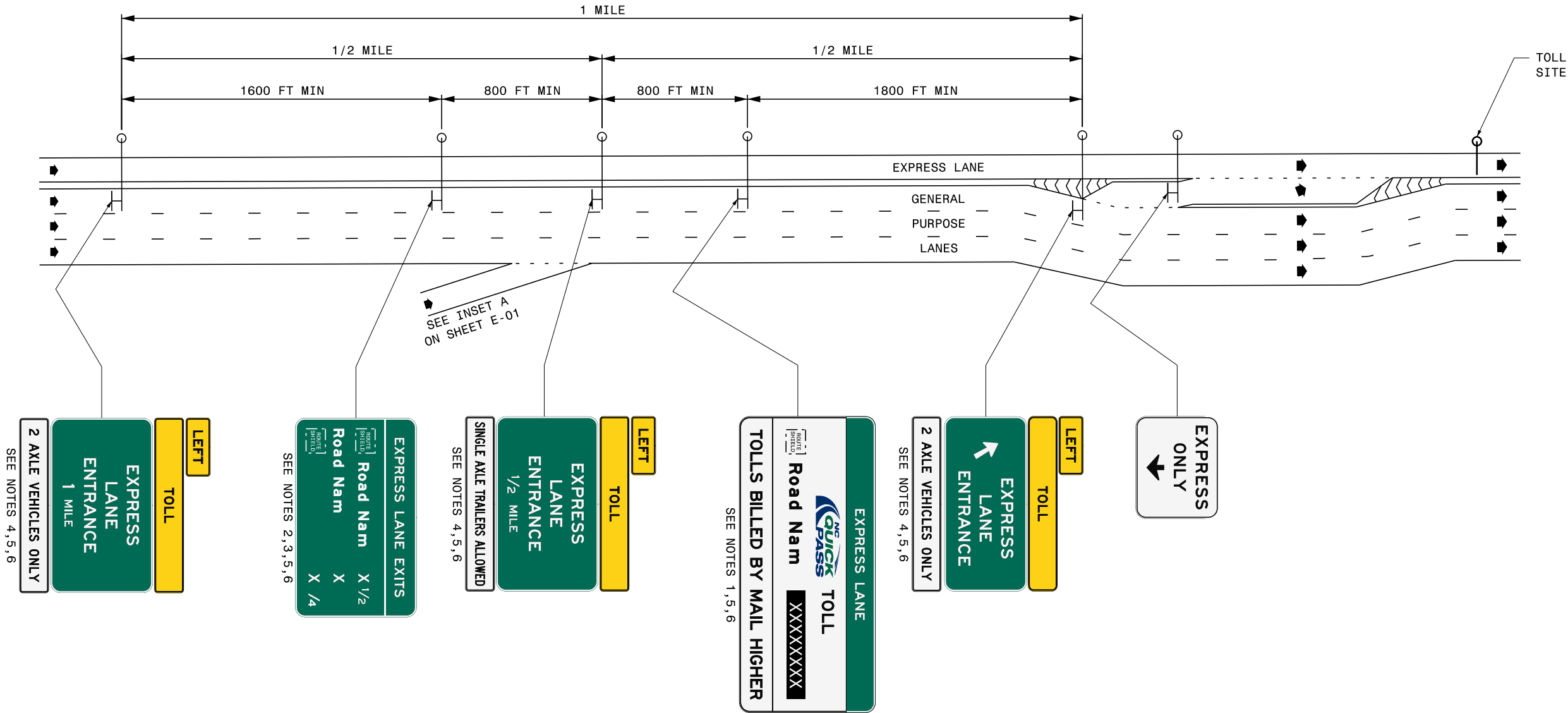
REV. NO. BY DATE DESCRIPTION

SCALE: N.T.S.
APRIL 2026

REV. NO.	BY	DATE	DESCRIPTION

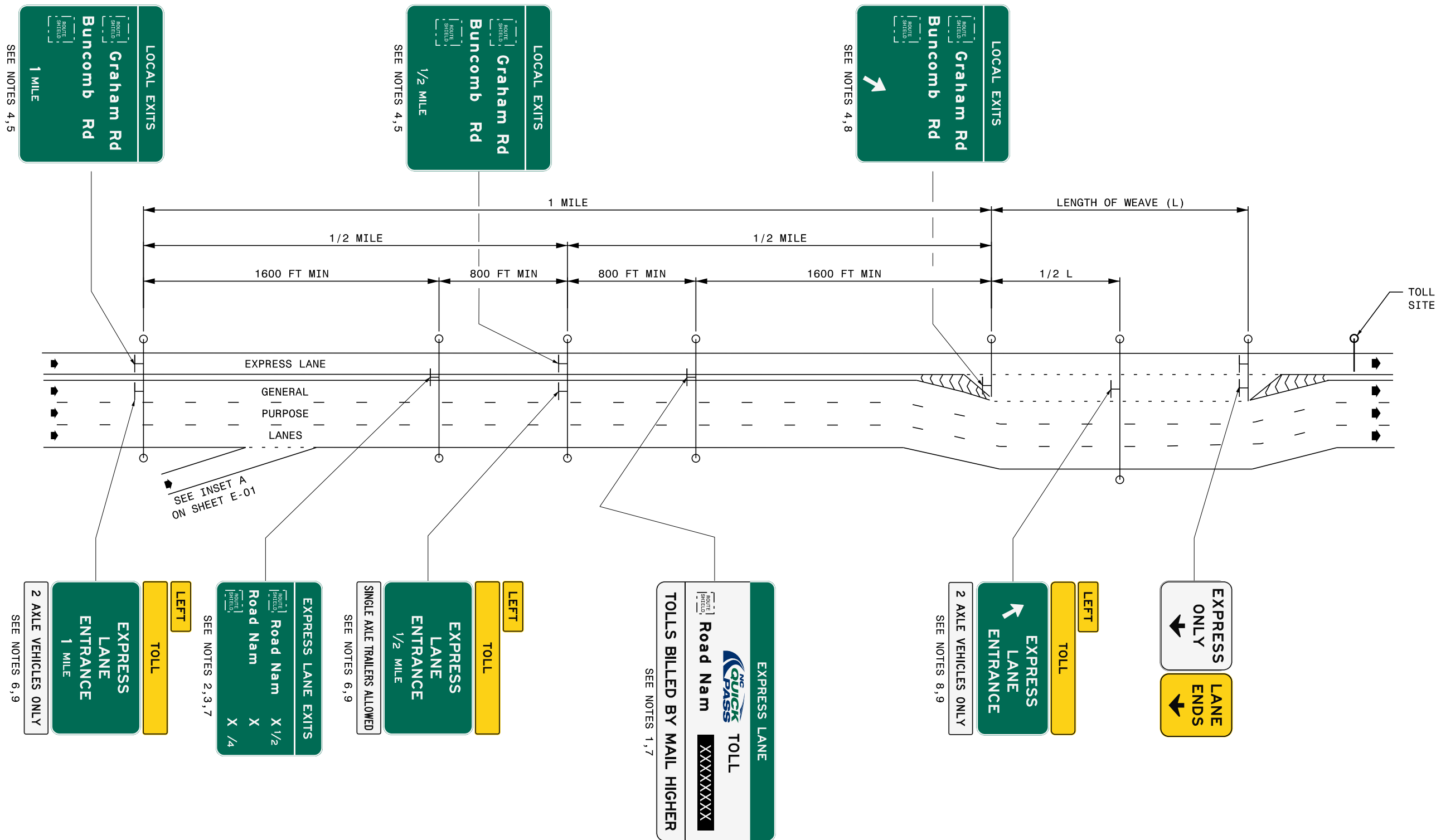
- NOTES:
- TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN IF ADDITIONAL DESTINATIONS ARE ACCESSIBLE VIA THE NEXT SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES.
 - DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
 - DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR DIRECT EXIT FROM THE EXPRESS LANE.
 - EXPRESS LANE REGULATORY SIGN MESSAGING SHALL BE IN COMPLIANCE WITH THE NORTH CAROLINA GENERAL STATUTES AND NORTH CAROLINA ADMINISTRATIVE CODE AS WELL AS ALL TRAFFIC ORDINANCES, NCTA BUSINESS RULES AND COMPREHENSIVE AGREEMENTS FOR THE FACILITY.
 - USE "LANES" IN LIEU OF "LANE" FOR A MULTI-LANE EXPRESS LANE FACILITY.
 - HORIZONTALLY CENTER OVER LEFT GENERAL PURPOSE LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE EXPRESS LANES, LEFT JUSTIFY SIGN WITH THE RIGHT EDGE OF THE BUFFER.

SCALE: N.T.S.
APRIL 2026



ROADWAY DETAIL DRAWING FOR
NCTA EXPRESS LANE SIGNING
INTERMEDIATE ENTRY

STATE OF
 NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.



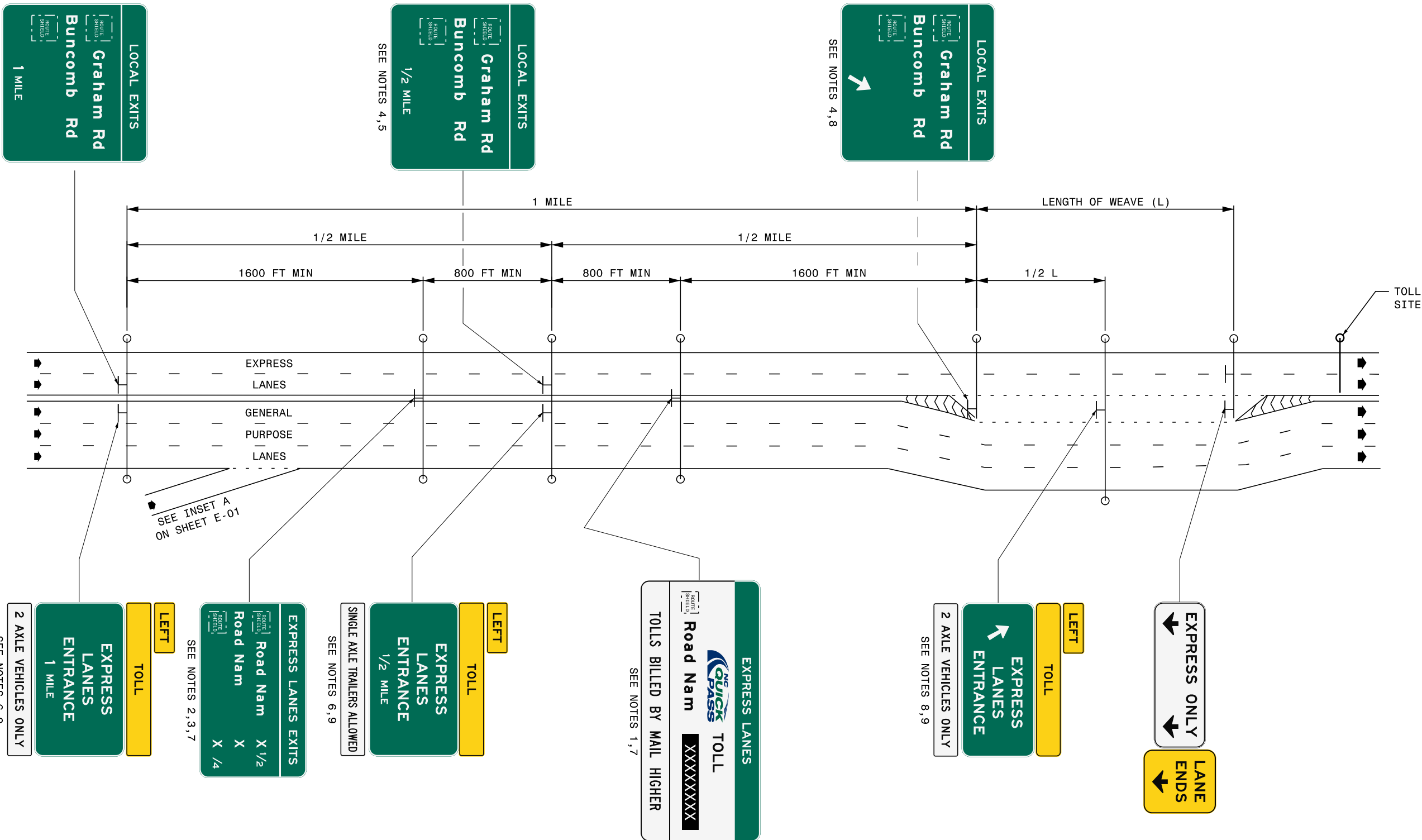
- NOTES:
1. TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN IF ADDITIONAL DESTINATIONS ARE ACCESSIBLE VIA THE NEXT SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES.
 2. DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
 3. DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR DIRECT EXIT FROM THE EXPRESS LANE.
 4. DESTINATIONS SHALL BE FOR GENERAL PURPOSE EXITS ACCESSIBLE VIA THE NEXT EGRESS ONLY, UP TO A MAXIMUM OF THREE.
 5. HORIZONTALLY CENTER SIGNS OVER EXPRESS LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE GENERAL PURPOSE LANES, RIGHT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.
 6. HORIZONTALLY CENTER SIGNS OVER LEFT GENERAL PURPOSE LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE EXPRESS LANES, LEFT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.
 7. HORIZONTALLY CENTER SIGNS OVER BUFFER AS SHOWN.
 8. HORIZONTALLY CENTER SIGNS OVER AUXILIARY LANE AS SHOWN.
 9. EXPRESS LANE REGULATORY SIGN MESSAGING SHALL BE IN COMPLIANCE WITH THE NORTH CAROLINA GENERAL STATUTES AND NORTH CAROLINA ADMINISTRATIVE CODE AS WELL AS ALL TRAFFIC ORDINANCES, NCTA BUSINESS RULES AND COMPREHENSIVE AGREEMENTS FOR THE FACILITY.

REV. NO.	BY	DATE	DESCRIPTION

SCALE: N.T.S.

APRIL 2026

SCALE: N.T.S.
APRIL 2026



NOTES:

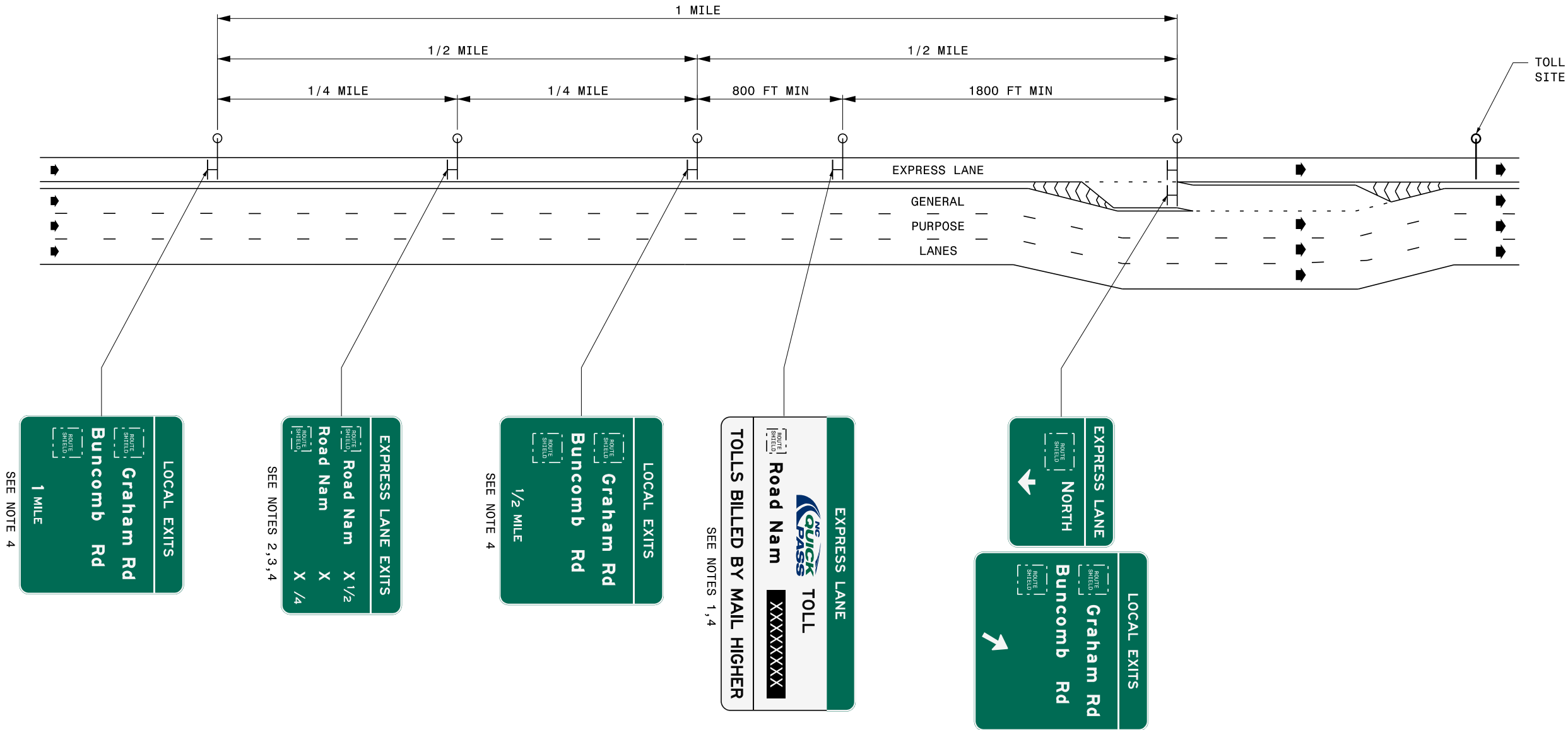
1. TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN IF ADDITIONAL DESTINATIONS ARE ACCESSIBLE VIA THE NEXT SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES.
2. DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
3. DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR DIRECT EXIT FROM THE EXPRESS LANE.
4. DESTINATIONS SHALL BE FOR GENERAL PURPOSE EXITS ACCESSIBLE VIA THE NEXT EGRESS ONLY, UP TO A MAXIMUM OF THREE.
5. HORIZONTALLY CENTER SIGNS OVER RIGHT EXPRESS LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE GENERAL PURPOSE LANES, RIGHT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.
6. HORIZONTALLY CENTER SIGNS OVER LEFT GENERAL PURPOSE LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE EXPRESS LANES, LEFT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.
7. HORIZONTALLY CENTER SIGNS OVER BUFFER AS SHOWN.
8. HORIZONTALLY CENTER SIGNS OVER AUXILIARY LANE AS SHOWN.
9. EXPRESS LANE REGULATORY SIGN MESSAGING SHALL BE IN COMPLIANCE WITH THE NORTH CAROLINA GENERAL STATUTES AND NORTH CAROLINA ADMINISTRATIVE CODE AS WELL AS ALL TRAFFIC ORDINANCES, NCTA BUSINESS RULES AND COMPREHENSIVE AGREEMENTS FOR THE FACILITY.

REV.
NO. BY DATE DESCRIPTION

REV. NO.	BY	DATE	DESCRIPTION

NOTES:

1. TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN IF ADDITIONAL DESTINATIONS ARE ACCESSIBLE VIA THE NEXT SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES.
2. DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
3. DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR EXIT FROM THE EXPRESS LANE.
4. HORIZONTALLY CENTER SIGNS OVER EXPRESS LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE GENERAL PURPOSE LANES, RIGHT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.



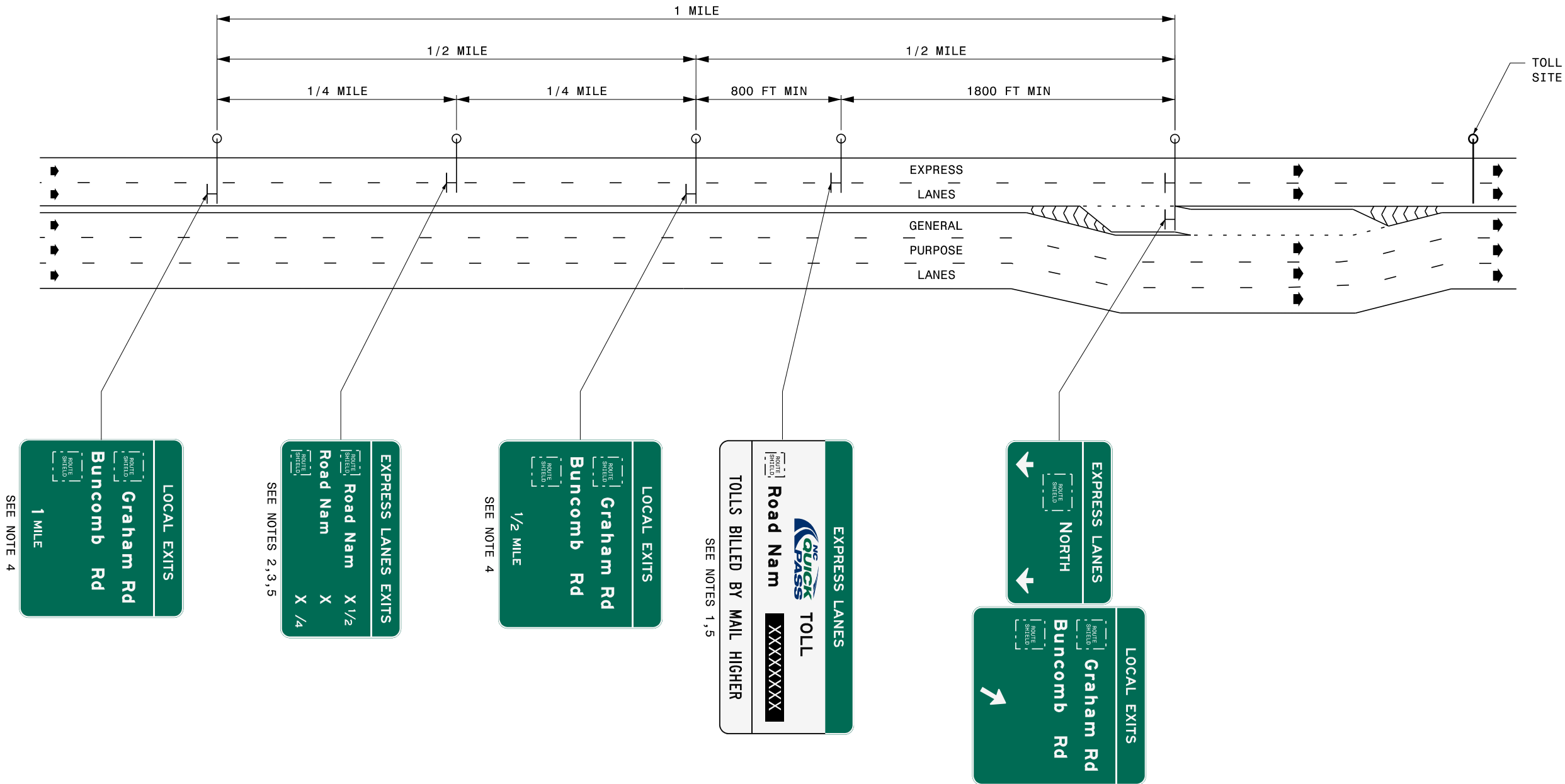
SCALE: N.T.S.
APRIL 2026

REV. NO.	BY	DATE	DESCRIPTION

NOTES:

1. TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN IF ADDITIONAL DESTINATIONS ARE ACCESSIBLE VIA THE NEXT SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES.
2. DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
3. DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR EXIT FROM THE EXPRESS LANE.
4. HORIZONTALLY CENTER SIGNS OVER RIGHT EXPRESS LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE GENERAL PURPOSE LANES, RIGHT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.
5. HORIZONTALLY CENTER SIGNS OVER ALL EXPRESS LANES AS SHOWN.

SCALE: N.T.S.
APRIL 2026

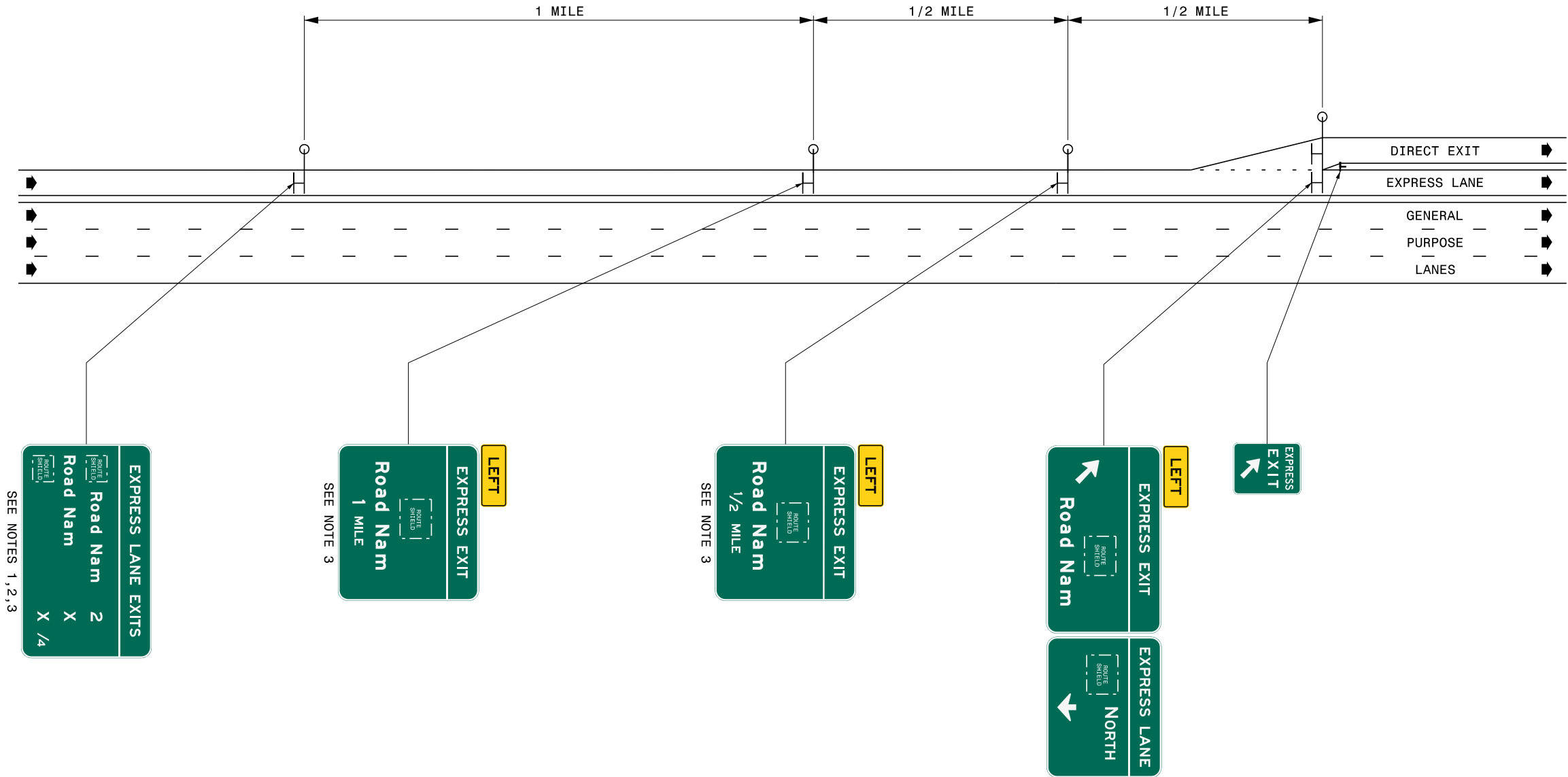


REV. NO.	BY	DATE	DESCRIPTION

NOTES:

- DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
- DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR EXIT FROM THE EXPRESS LANE.
- HORIZONTALLY CENTER SIGNS OVER EXPRESS LANE AS SHOWN. IF A CENTERED SIGN ENCROACHES OVER THE GENERAL PURPOSE LANES, RIGHT JUSTIFY SIGN WITH RIGHT EDGE OF BUFFER.

SCALE: N.T.S.
APRIL 2026

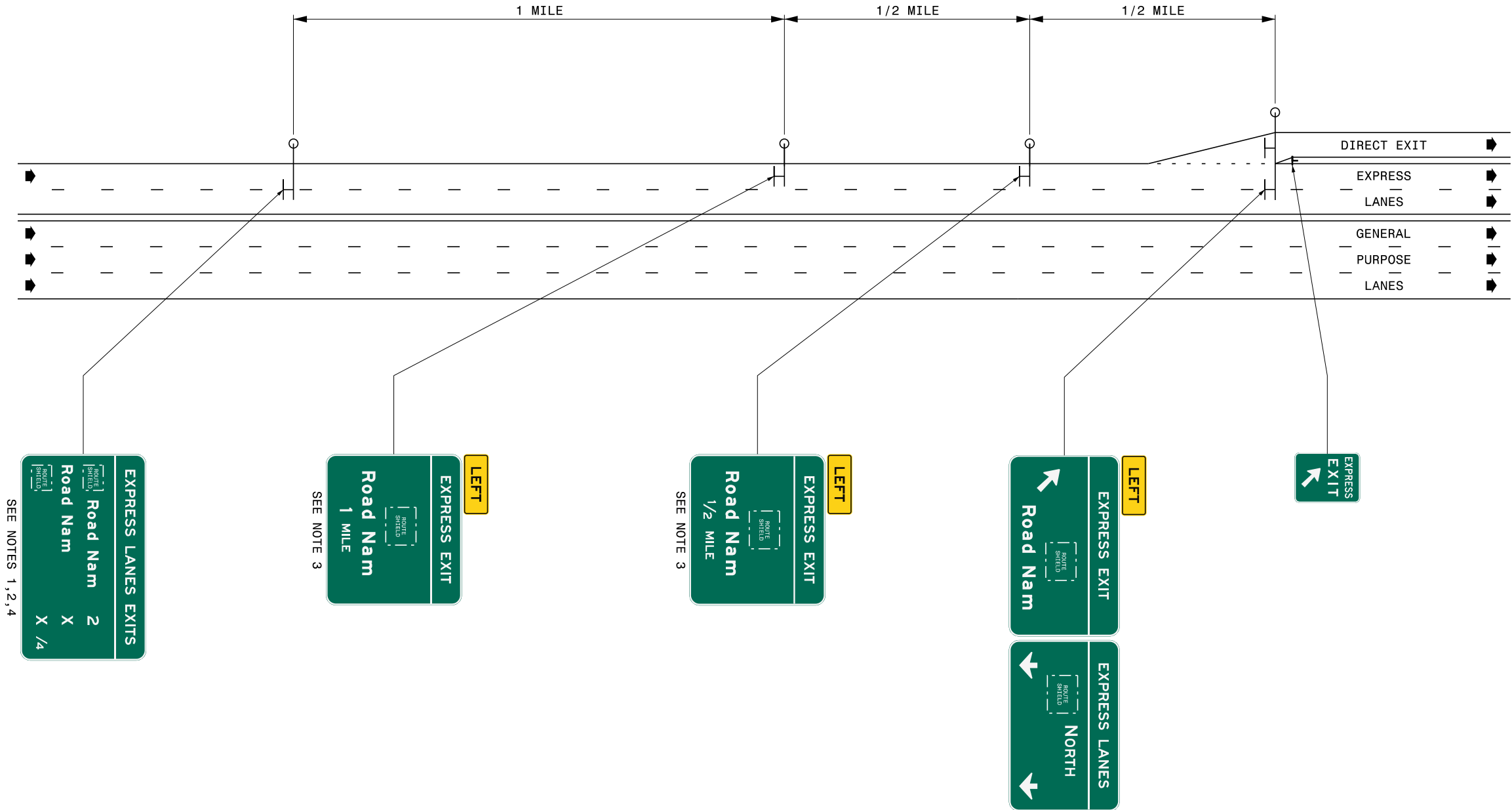


REV. NO.	BY	DATE	DESCRIPTION

NOTES:

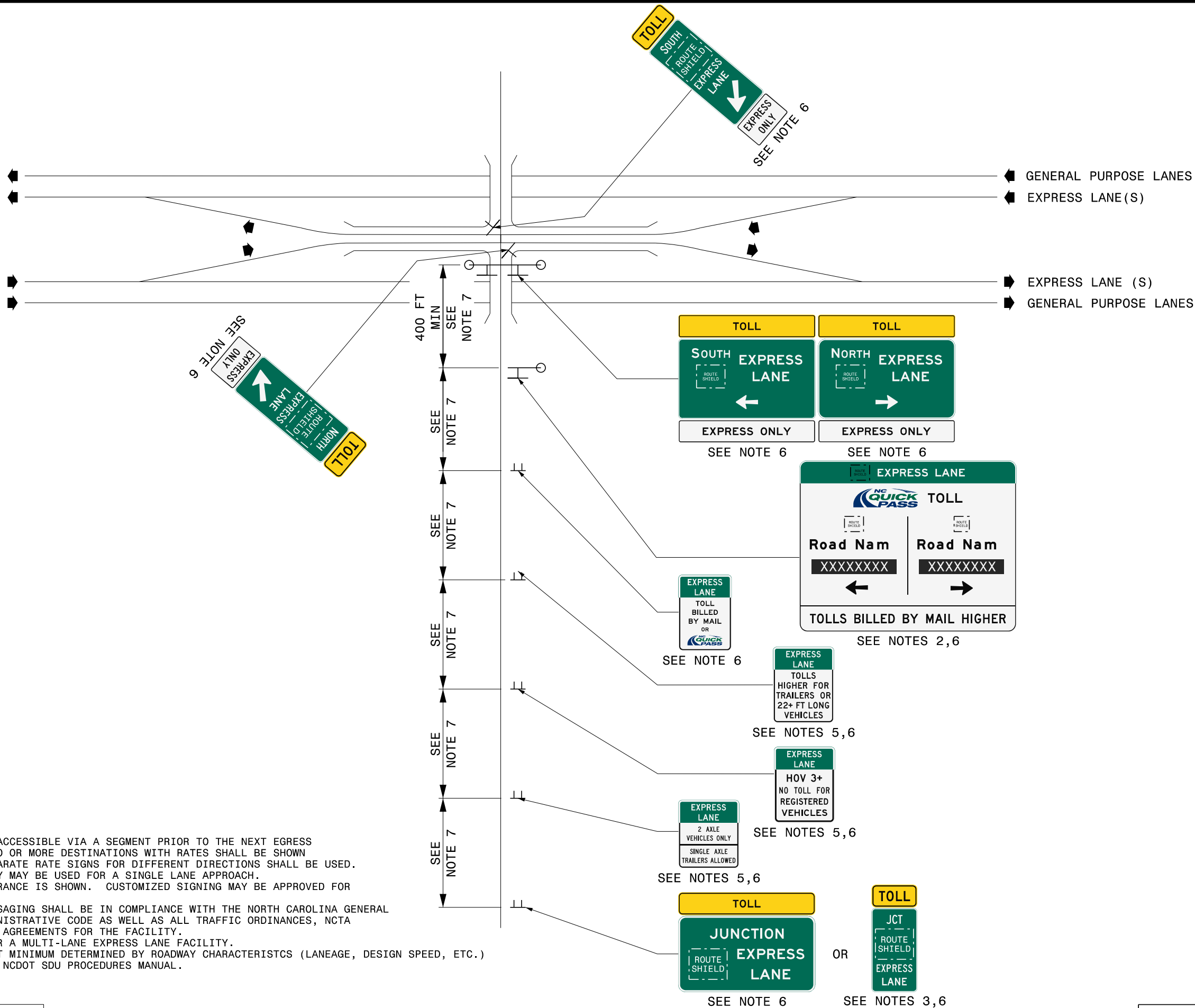
1. DESTINATIONS SHALL BE THE FIRST THREE OF THE FOLLOWING: THE FIRST GENERAL PURPOSE EXIT ACCESSIBLE AFTER EGRESS FROM EACH OF THE NEXT EXPRESS LANE SEGMENTS; AND EXPRESS LANE DIRECT EXITS.
2. DISTANCES SHOWN SHALL BE TO THE DECISION POINT OF EGRESS OR EXIT FROM THE EXPRESS LANE.
3. HORIZONTALLY CENTER SIGNS OVER LEFT EXPRESS LANE AS SHOWN.
4. HORIZONTALLY CENTER SIGNS OVER ALL EXPRESS LANES AS SHOWN.

SCALE: N.T.S.
APRIL 2026



ROADWAY DETAIL DRAWING FOR
NCTA EXPRESS LANE SIGNING
DIRECT ENTRANCE

E-06

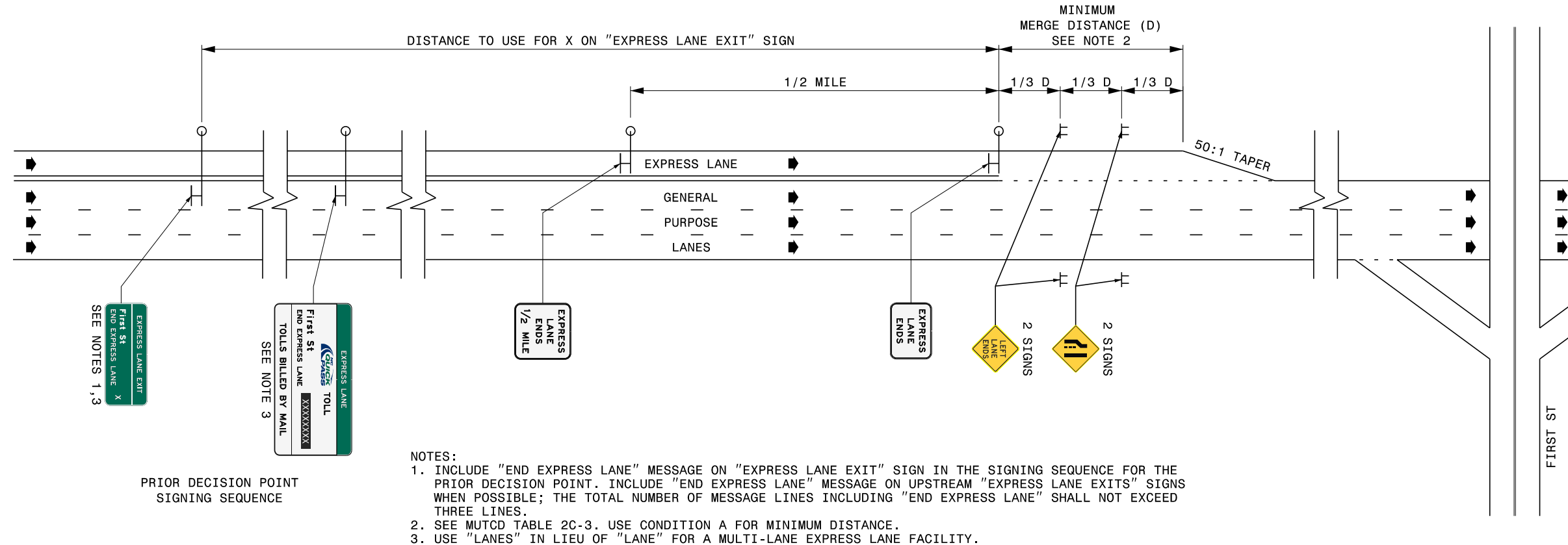


- NOTES:
1. GRAPHIC SHOWS ONLY ONE APPROACH.
 2. IF TWO OR MORE DESTINATIONS ARE ACCESSIBLE VIA A SEGMENT PRIOR TO THE NEXT EGRESS TO THE GENERAL PURPOSE LANES, TWO OR MORE DESTINATIONS WITH RATES SHALL BE SHOWN ON RATE SIGN. IN THIS CASE, SEPARATE RATE SIGNS FOR DIFFERENT DIRECTIONS SHALL BE USED.
 3. TOLL FACILITY ROUTE SIGN ASSEMBLY MAY BE USED FOR A SINGLE LANE APPROACH.
 4. TYPICAL SIGNING FOR A DIRECT ENTRANCE IS SHOWN. CUSTOMIZED SIGNING MAY BE APPROVED FOR SPECIFIC SITE CONDITIONS.
 5. EXPRESS LANE REGULATORY SIGN MESSAGING SHALL BE IN COMPLIANCE WITH THE NORTH CAROLINA GENERAL STATUTES AND NORTH CAROLINA ADMINISTRATIVE CODE AS WELL AS ALL TRAFFIC ORDINANCES, NCTA BUSINESS RULES AND COMPREHENSIVE AGREEMENTS FOR THE FACILITY.
 6. USE "LANES" IN LIEU OF "LANE" FOR A MULTI-LANE EXPRESS LANE FACILITY.
 7. SIGN SPACING SHALL BE AT A 200 FT MINIMUM DETERMINED BY ROADWAY CHARACTERISTICS (LANEAGE, DESIGN SPEED, ETC.) IN ACCORDANCE WITH THE MUTCD AND NCDOT SDU PROCEDURES MANUAL.

REV. NO.	BY	DATE	DESCRIPTION

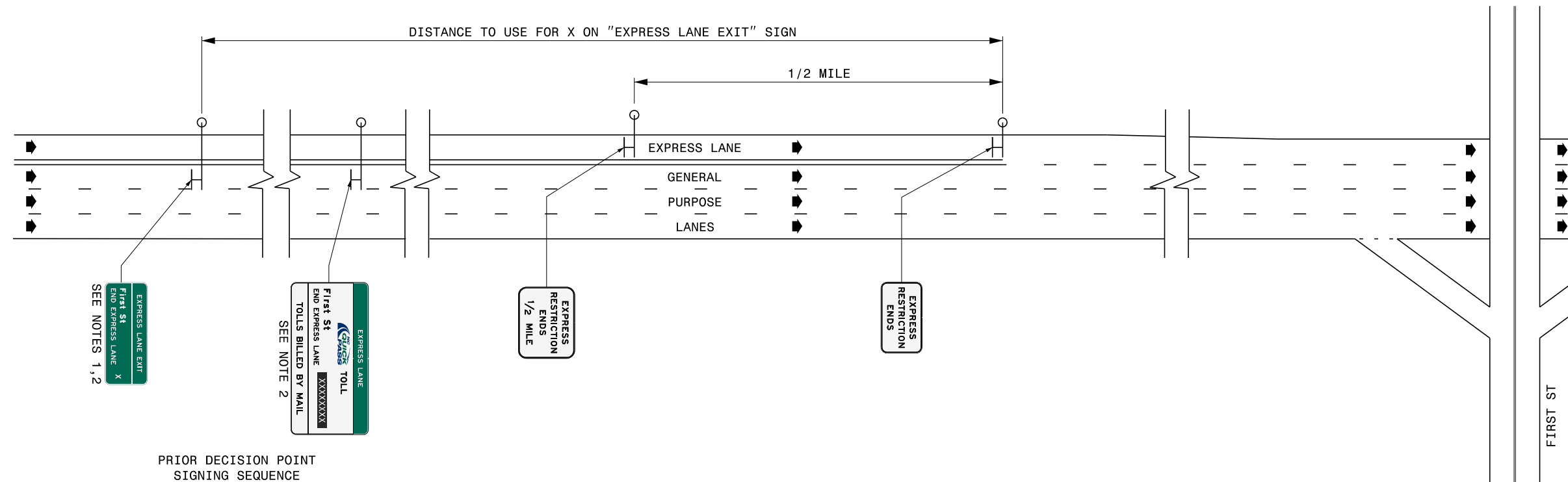
SCALE: N.T.S.
APRIL 2026

LANE ENDS



STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

LANE RESTRICTION ENDS



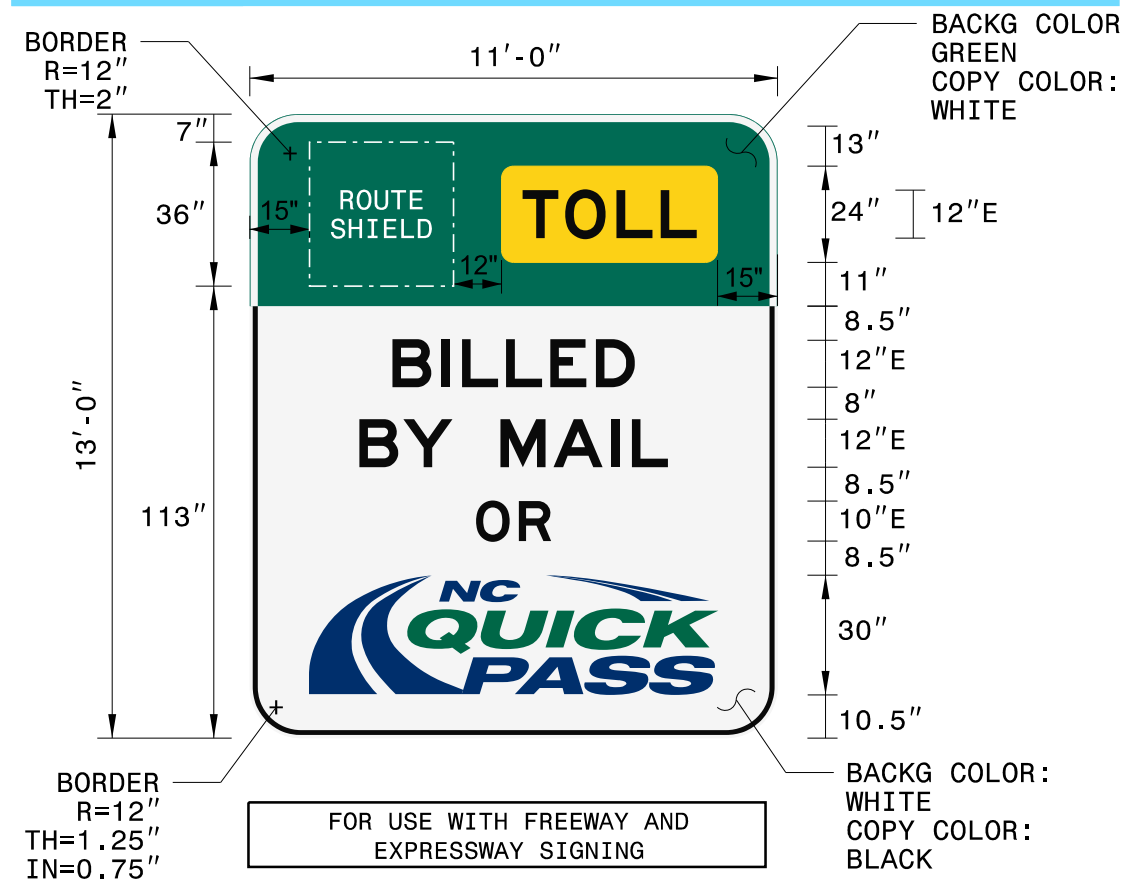
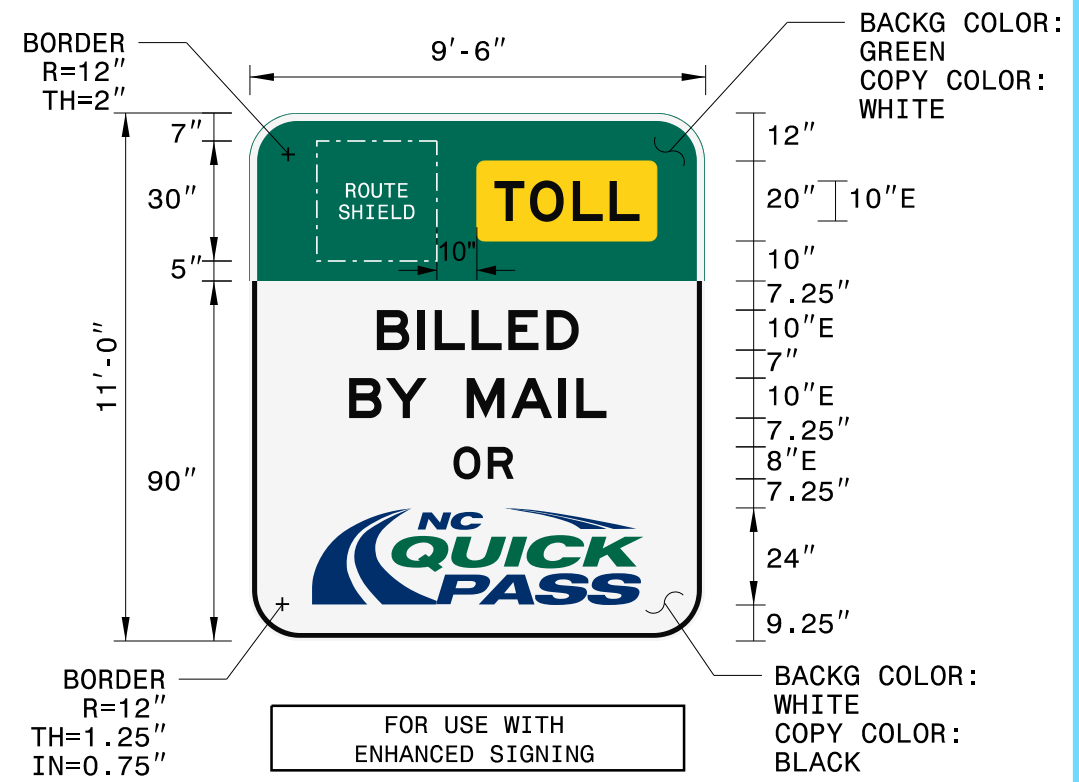
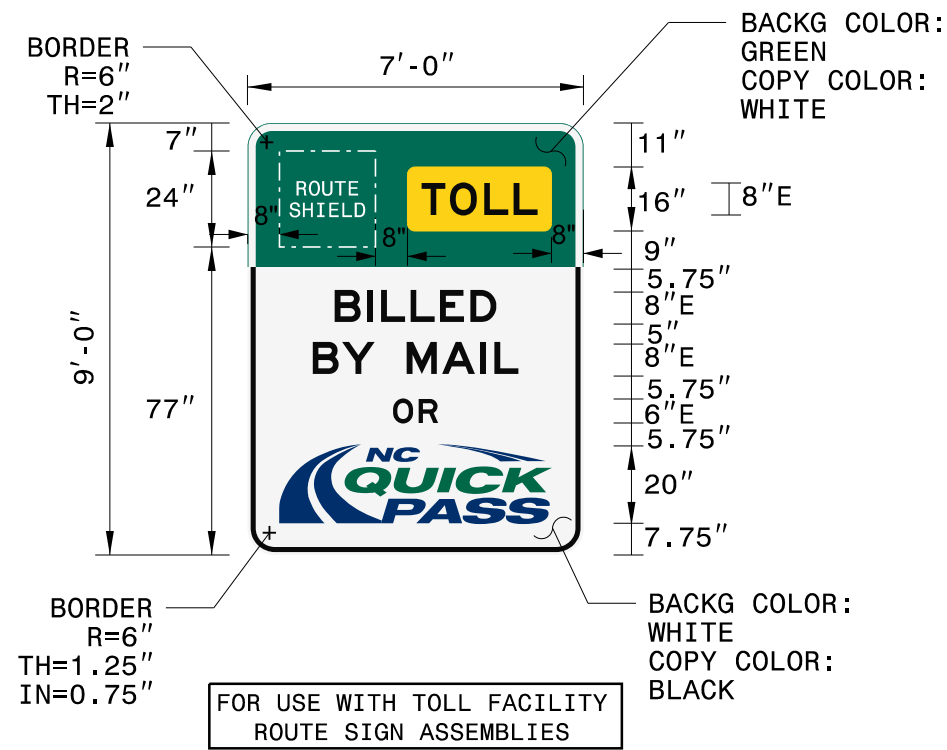
ROADWAY DETAIL DRAWING FOR
NCTA EXPRESS LANE SIGNING
MAINLINE END

REV. NO.	BY	DATE	DESCRIPTION

NOTE:

1. INCLUDE "END EXPRESS LANE" MESSAGE ON "EXPRESS LANE EXIT" SIGN IN THE SIGNING SEQUENCE FOR THE PRIOR DECISION POINT. INCLUDE "END EXPRESS LANE" MESSAGE ON UPSTREAM "EXPRESS LANE EXITS" SIGNS WHEN POSSIBLE; THE TOTAL NUMBER OF MESSAGE LINES INCLUDING "END EXPRESS LANE" SHALL NOT EXCEED THREE LINES.
2. USE "LANES" IN LIEU OF "LANE" FOR A MULTI-LANE EXPRESS LANE FACILITY.

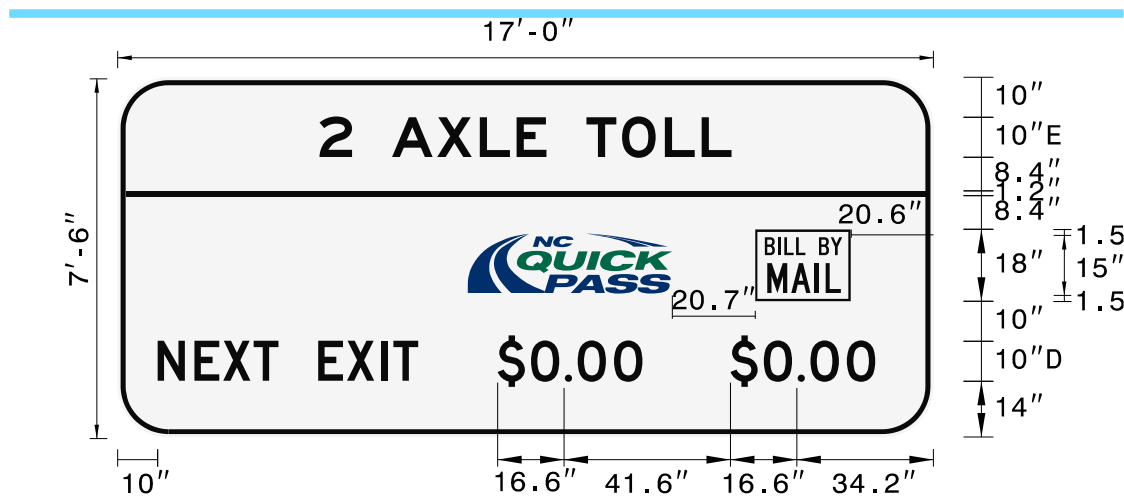
SCALE: N.T.S.
APRIL 2026



REV. NO.	BY	DATE	DESCRIPTION

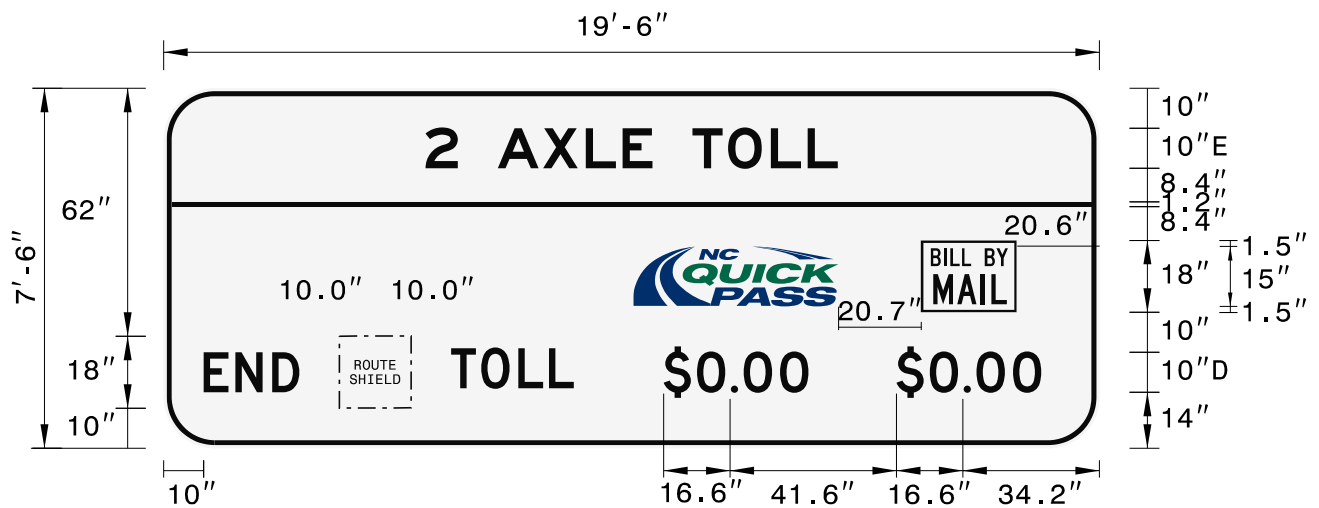
- NOTES:
1. SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 2. "TOLL" PLAQUES MOUNTED ON GREEN OR BLUE SIGNS SHALL NOT HAVE BORDERS.
 3. MINIMUM SIZES ARE AS SHOWN UNLESS OTHERWISE SPECIFICALLY STATED IN NCTA, NCDOT OR FHWA STANDARDS. IN SUCH CASES, THE LARGEST MINIMUM SHALL APPLY.
 4. ETC LOGOS SHALL BE DEMOUNTABLE.

SCALE: N.T.S.
APRIL 2026



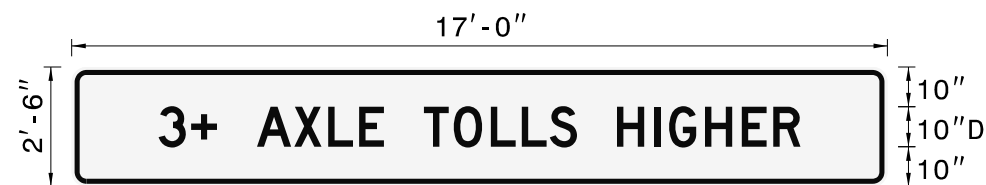
BORDER
R=12"
TH=1.25"
IN=0.75"

BACKG COLOR: WHITE
COPY COLOR: BLACK



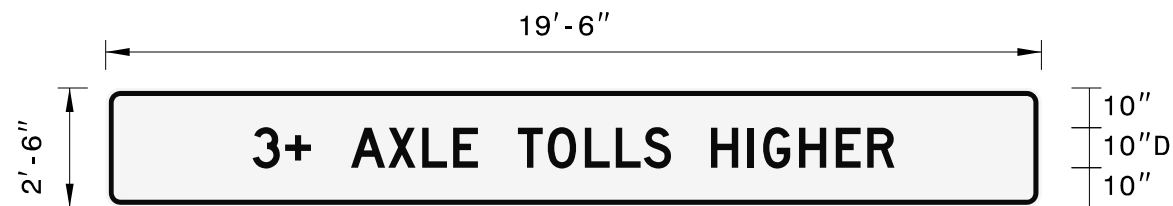
BORDER
R=12"
TH=1.25"
IN=0.75"

BACKG COLOR: WHITE
COPY COLOR: BLACK



BORDER
R=3"
TH=1.25"
IN=0.75"

BACKG COLOR: WHITE
COPY COLOR: BLACK



BORDER
R=3"
TH=1.25"
IN=0.75"

BACKG COLOR: WHITE
COPY COLOR: BLACK

REV. NO. BY DATE DESCRIPTION

- NOTES:
1. SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS DESIGNED WITH A 158" FUTURE WIND LOAD HEIGHT USING THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 2. TOLL RATE SCHEDULE TO BE PROVIDED BY NCTA.
 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.
 5. VERTICALLY ALIGN DOLLAR AND DECIMAL SYMBOLS.

SCALE: N.T.S.
APRIL 2026

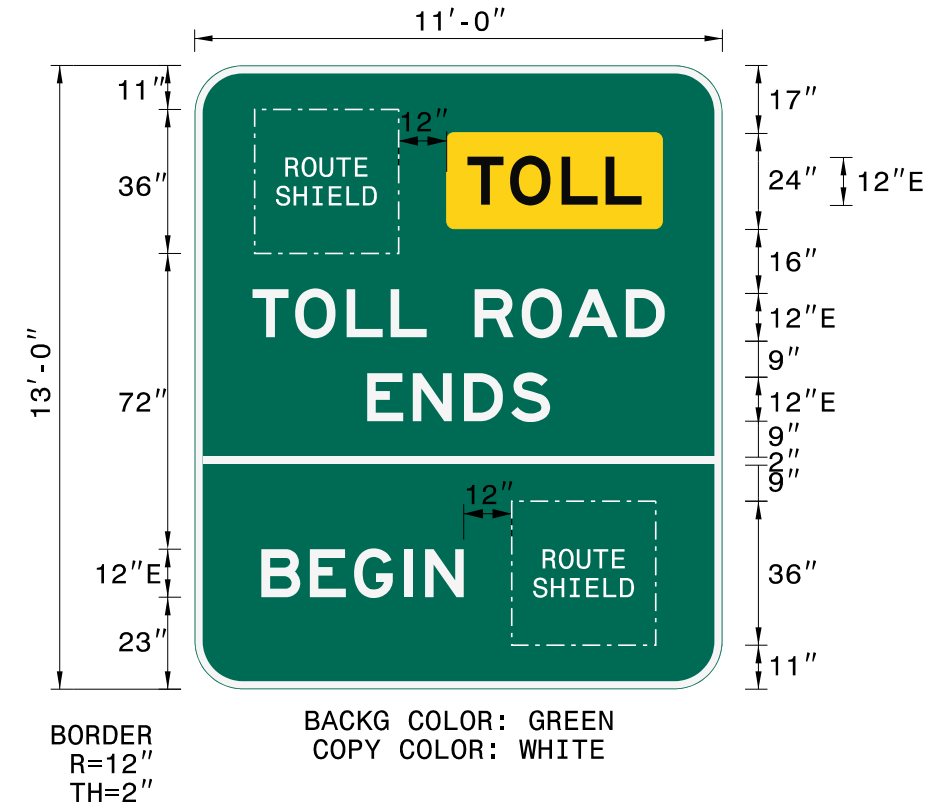
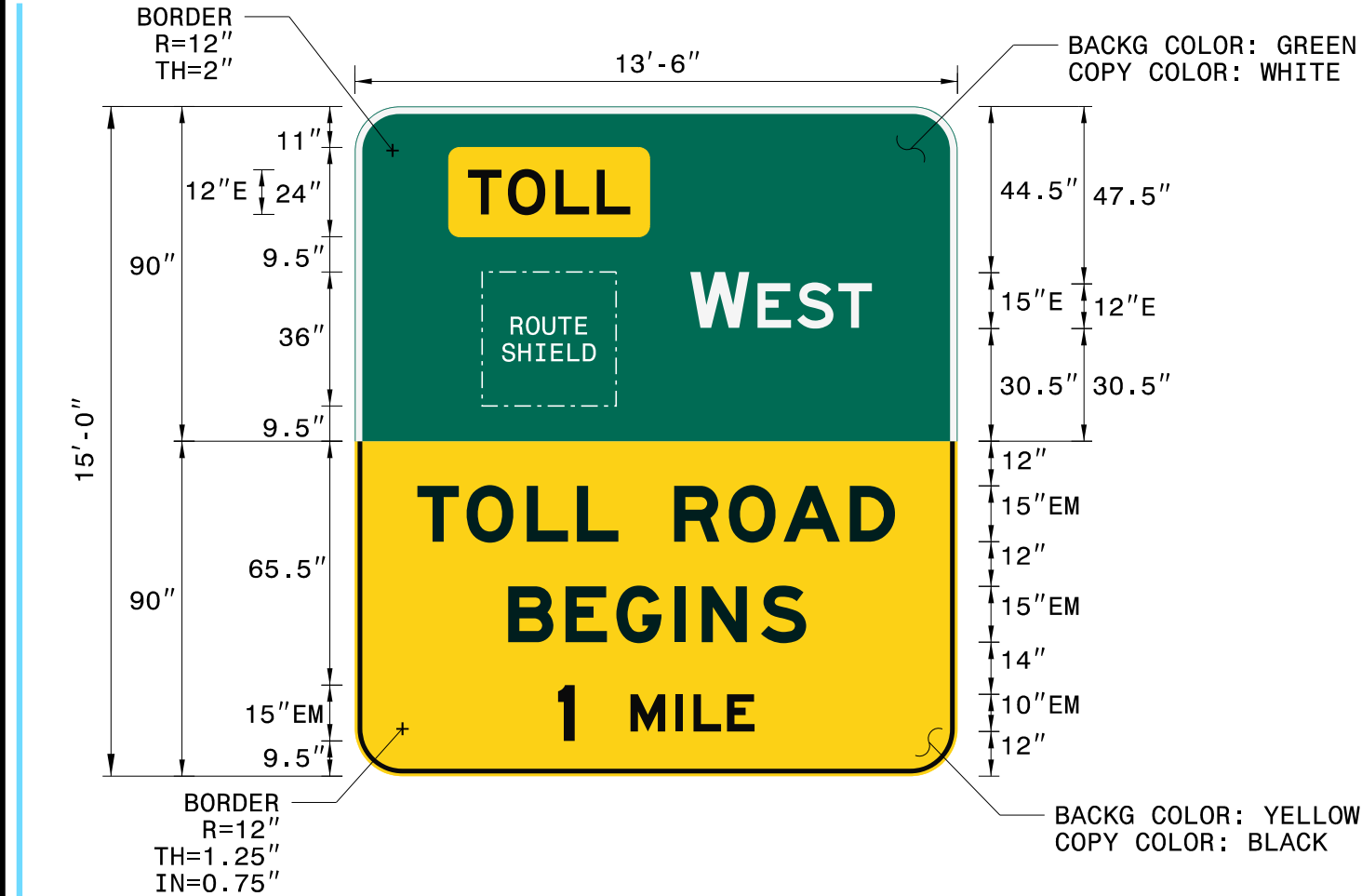
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
NCTA STANDARD HIGHWAY SIGNS
TOLL ROAD RATE SIGNS

D-02

"TOLL" PLAQUE SIZES		
TOLL		
ROUTE SIGN SIZE	SIZE	COPY
48"	72" x 30"	15"E
36"	54" x 24"	12"E
30"	45" x 20"	10"E
24"	36" x 16"	8"E
ROUTE SIGN ASSEMBLY	36" x 18" (W16-17P)	8"D
BACKG COLOR: YELLOW COPY COLOR: BLACK		

EXIT GORE "TOLL" PANEL SIZES	
60" 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	



REV.	NO.	BY	DATE	DESCRIPTION

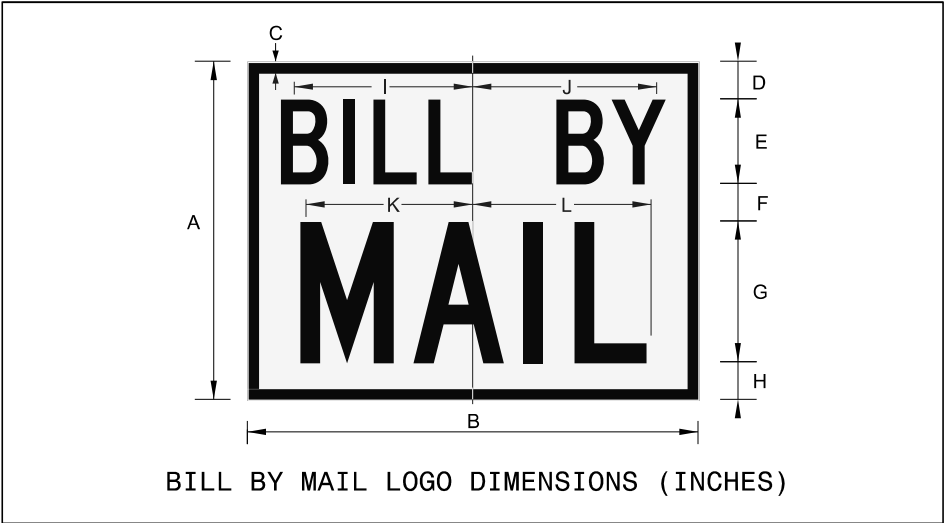
- NOTES:
- SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 - "TOLL" PLAQUES MOUNTED ON GREEN OR BLUE SIGNS SHALL NOT HAVE BORDERS.
 - MINIMUM SIZES ARE AS SHOWN UNLESS OTHERWISE SPECIFICALLY STATED IN NCTA, NCDOT OR FHWA STANDARDS. IN SUCH CASES, THE LARGEST MINIMUM SHALL APPLY.
 - PLAQUES SHALL BE DEMOUNTABLE EXCEPT FOR ROUTE SIGN ASSEMBLIES.

SCALE: N.T.S.
APRIL 2026

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

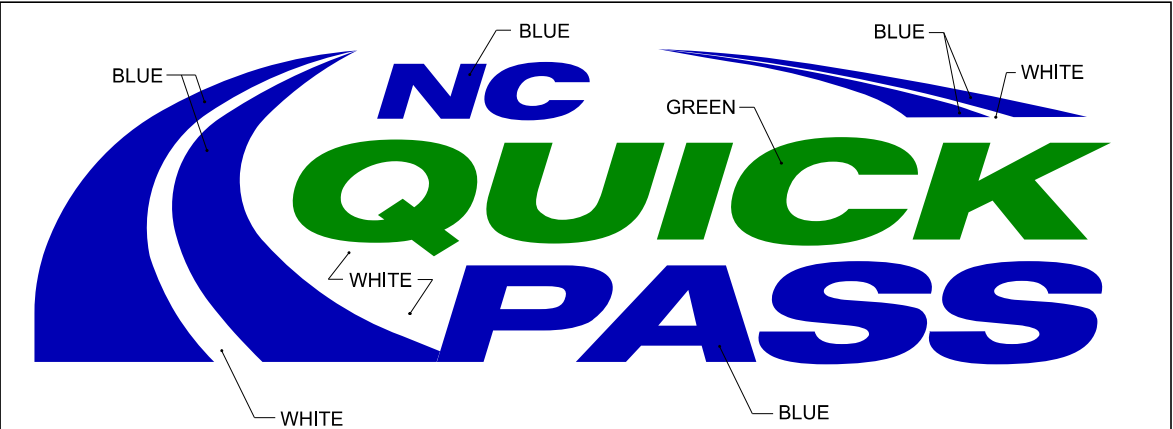
ROADWAY DETAIL DRAWING FOR
NCTA STANDARD HIGHWAY SIGNS
TOLL PANELS

D-03



A	B	C	D	E	F	G	H	I	J	K	L
18	24	0.625	2	4.5 C	2	7.5 C	2	9.512	9.817	8.875	9.5
24	32	0.75	2.6	6 C	2.8	10 C	2.6	12.667	13.074	11.833	12.667

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



NC QUICK PASS LOGO DETAIL

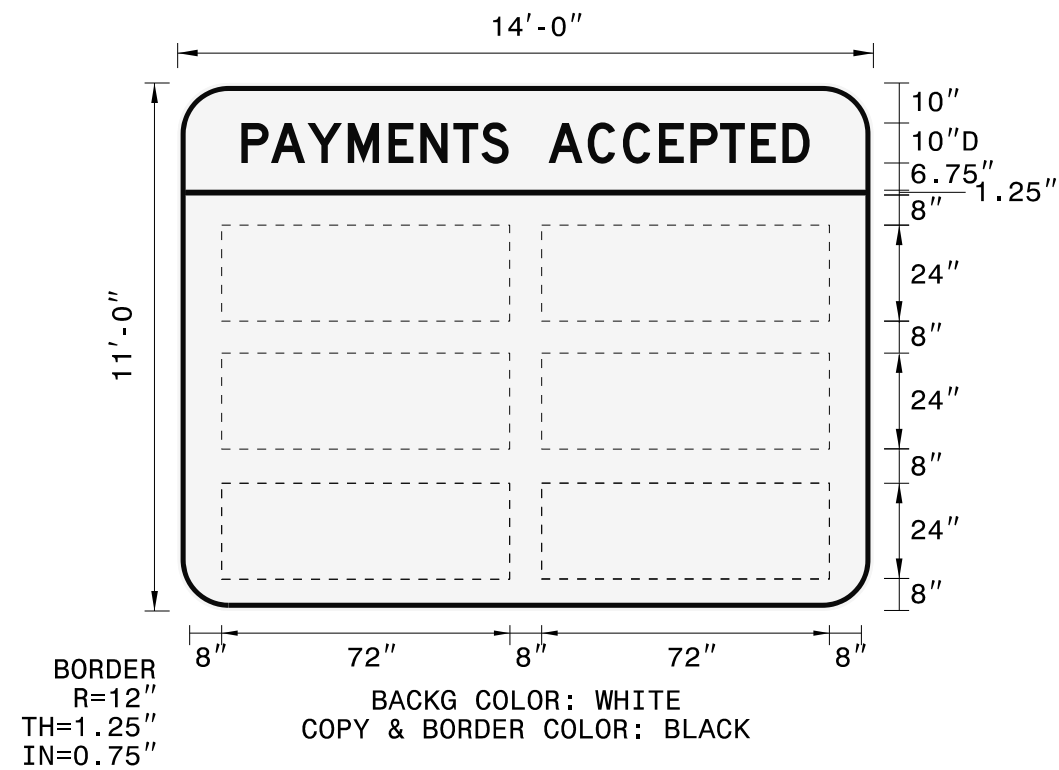
- NOTES:
- A. COLORS FOR USE ON THE NC QUICK PASS LOGO SHALL BE FHWA BLUE AND FHWA GREEN.
 - B. THE NC QUICK PASS LOGO SHALL BE SCALED PROPORTIONALLY TO MEET REQUIRED DIMENSIONS SHOWN IN THE NCTA STANDARD HIGHWAY SIGNS IN THE SIGNING STANDARD DETAILS.
 - C. NC QUICK PASS LOGO SHALL BE THE SIZE AS SHOWN IN THE NCTA STANDARDS HIGHWAY SIGNS OR IF NOT SHOWN, IT SHALL BE BETWEEN 1.5 TO 2 TIMES THE LETTER HEIGHT OF THE MAJOR COPY.
 - D. NCTA WILL PROVIDE AN ELECTRONIC ARTWORK FILE OF THE NC QUICK PASS LOGO IN AN EPS FORMAT FOR PANEL FABRICATION.
 - 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"

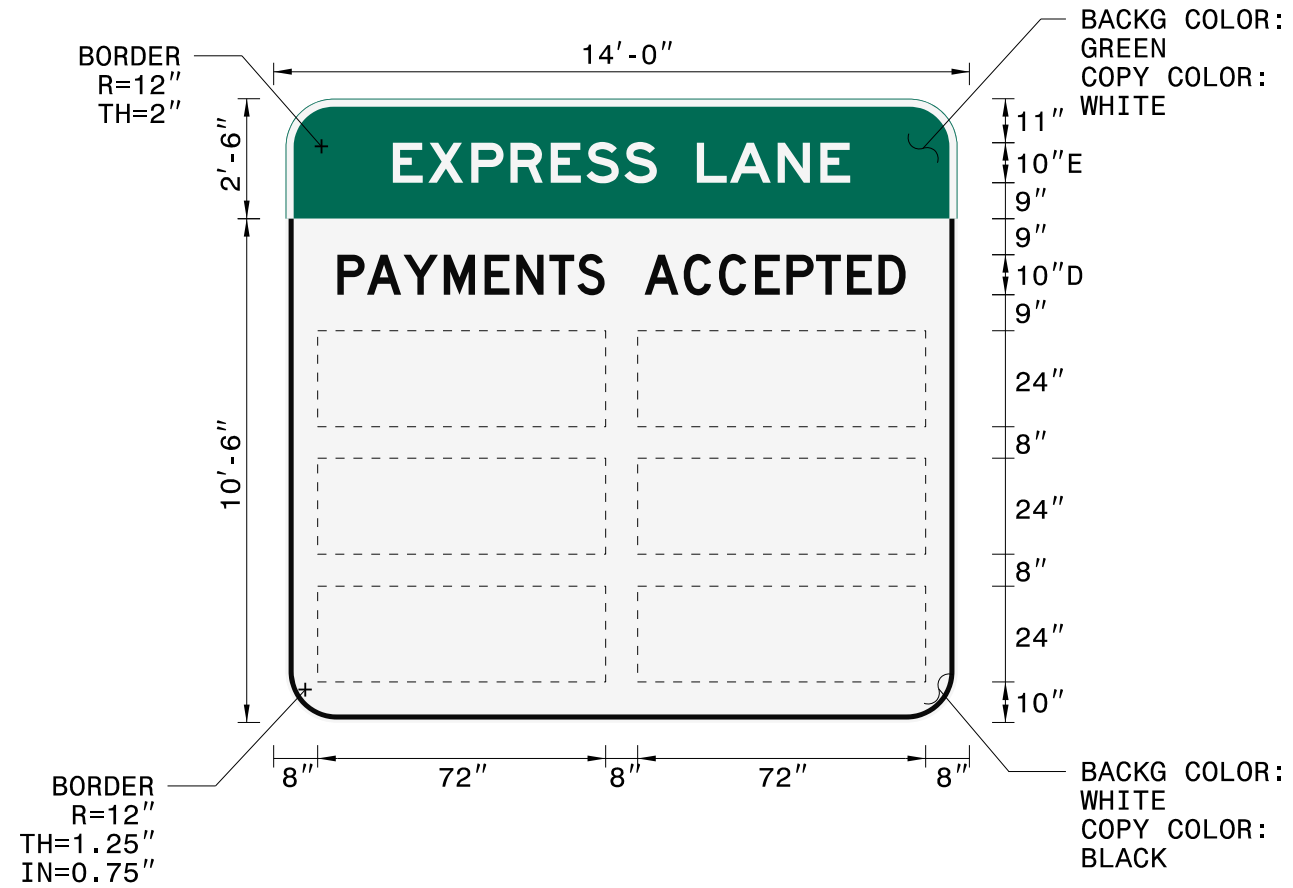
REV. NO.	BY	DATE	DESCRIPTION

NOTE:
1. ETC LOGOS SHALL BE DEMOUNTABLE.

SCALE: N.T.S.
APRIL 2026



FOR USE WITH
TOLL ROAD FACILITIES



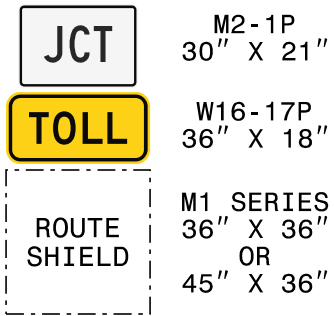
FOR USE WITH
EXPRESS LANE FACILITIES

REV. NO.	BY	DATE	DESCRIPTION

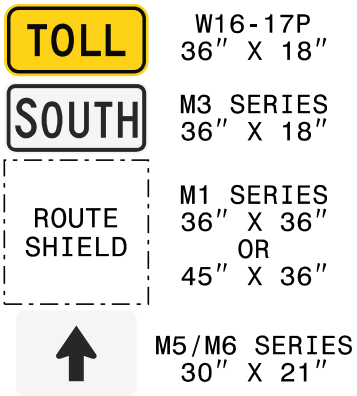
- NOTES:
- SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 - MAXIMUM WIDTH OF AN INTEROPERABLE AGENCY'S PANEL SHALL BE 72".
 - MAXIMUM HEIGHT OF AN INTEROPERABLE AGENCY'S PANEL SHALL BE 24".
 - CENTER INTEROPERABLE AGENCY'S LOGO VERTICALLY AND HORIZONTALLY WITHIN SPACE PROVIDED. INCLUDE DIMENSIONS FOR THE PLACEMENT OF EACH INTEROPERABLE AGENCY LOGO IN CONSTRUCTION PLAN SETS.
 - INTEROPERABLE AGENCY PANEL ELECTRONIC ARTWORK FILE TO BE PROVIDED BY NCTA.

SCALE: N.T.S.
APRIL 2026

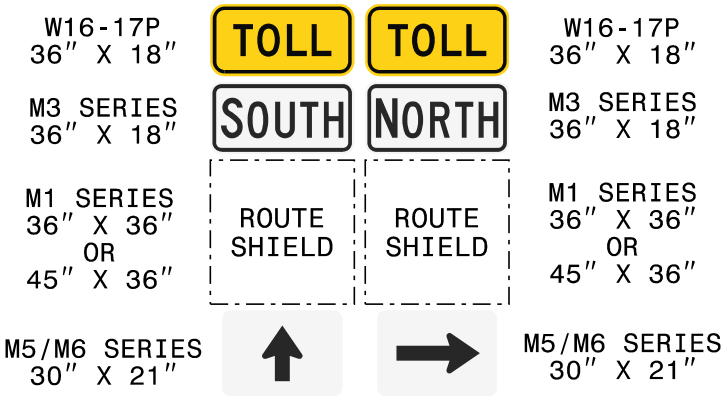
JUNCTION ASSEMBLY



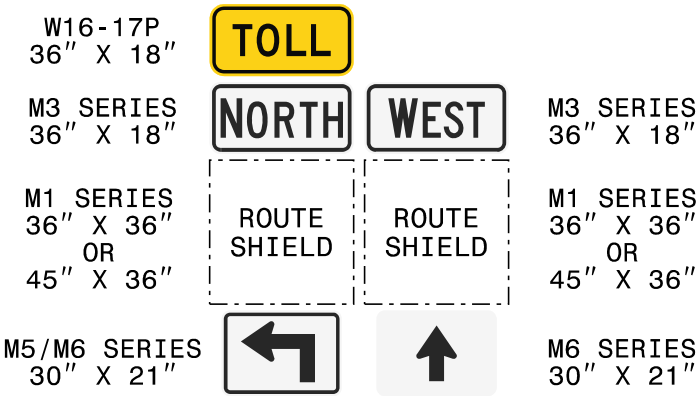
SINGLE ASSEMBLY



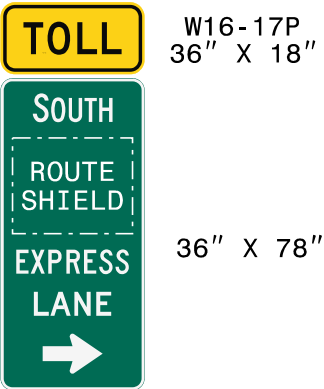
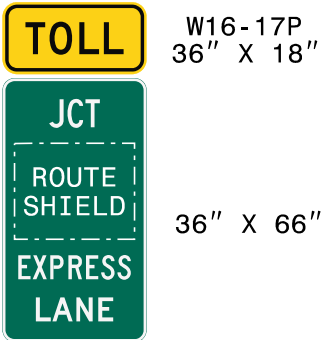
DOUBLE ASSEMBLY



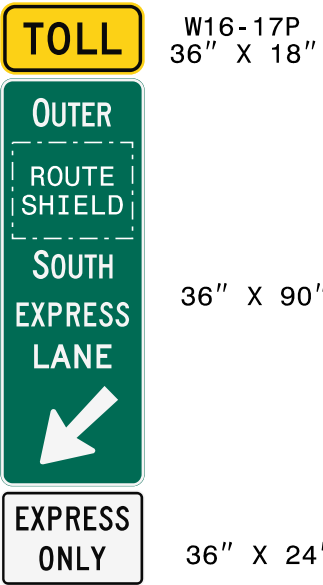
DOUBLE ASSEMBLY
(ONE ASSEMBLY NON-TOLL)



FOR USE WITH
TOLL ROAD FACILITIES



FOR USE WITH
EXPRESS LANE FACILITIES



REV. NO.	BY	DATE	DESCRIPTION
1	TRT	AUG 2025	ADDED "EXPRESS ONLY" PLAQUE

- NOTES:
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.

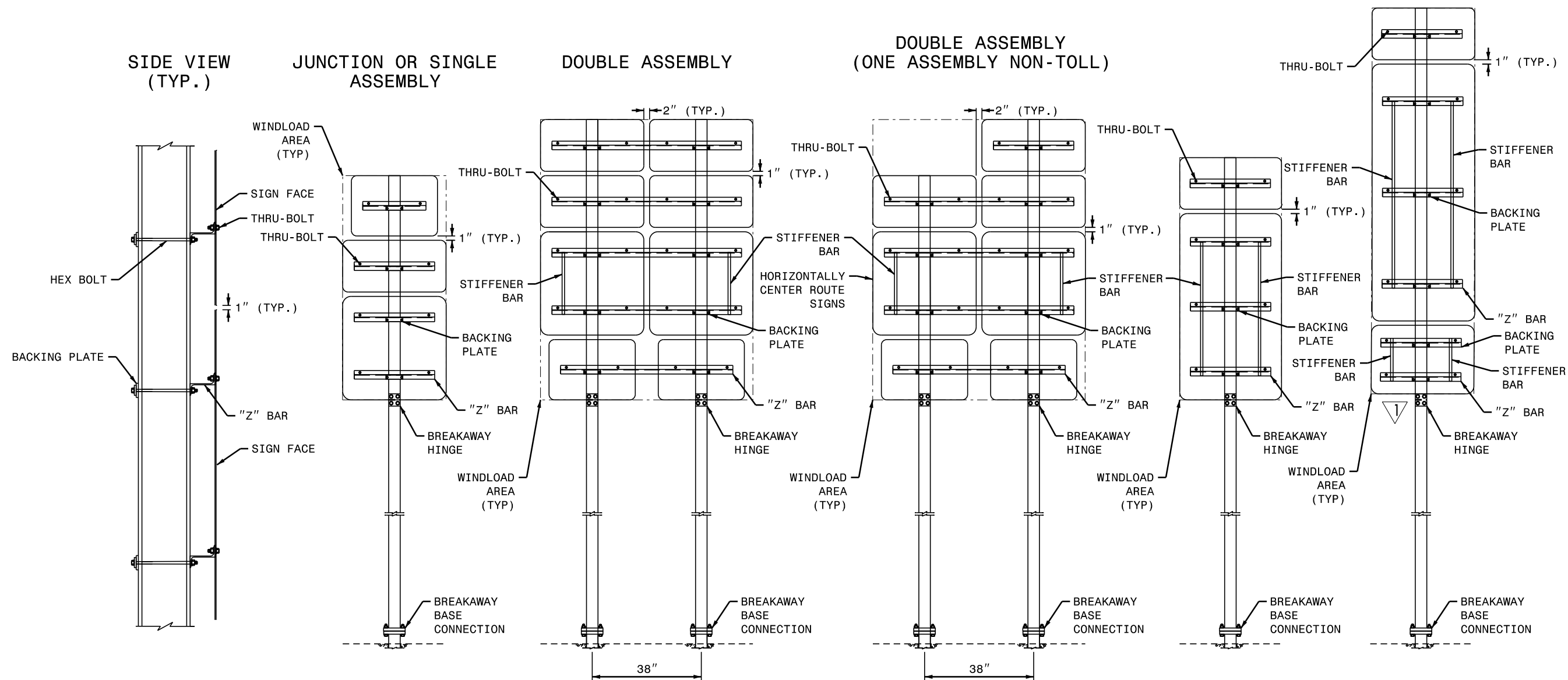
SCALE: N.T.S.
APRIL 2026

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
NCTA STANDARD HIGHWAY SIGNS
ROUTE SIGN ASSEMBLIES - LAYOUTS

D-06A

EXPRESS LANE DIRECT
ENTRANCE ASSEMBLIES

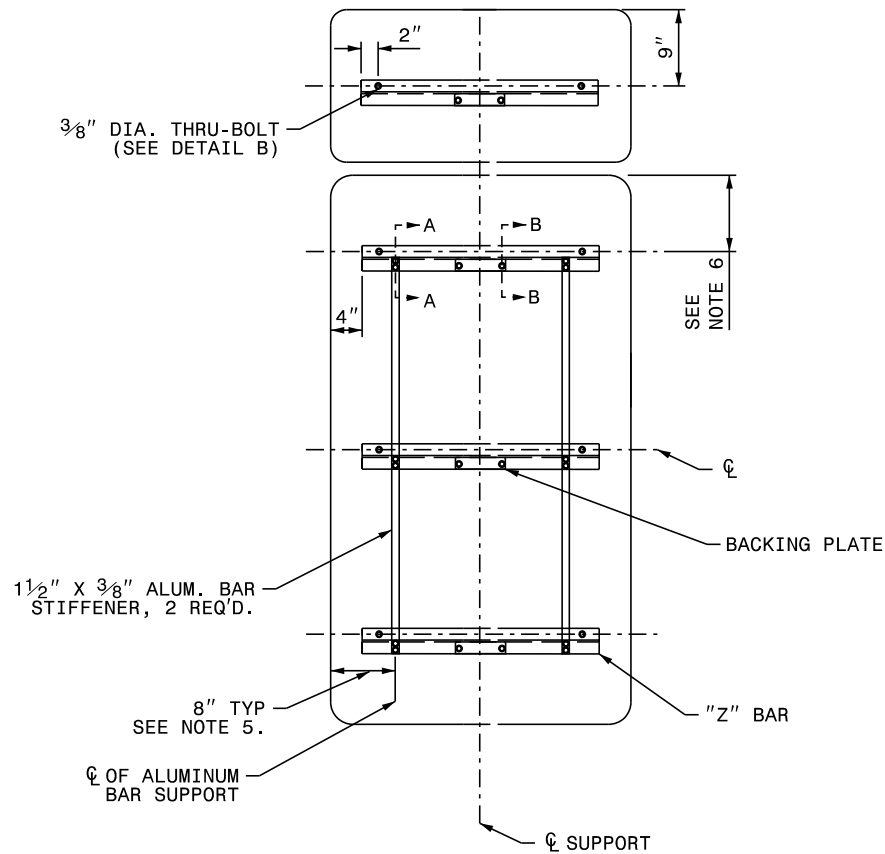


- NOTES:
1. SUPPORTS SHALL BE BREAKAWAY STEEL BEAMS AND DESIGNED WITH THE LATEST NCDOT SUPPORT DESIGN PROGRAM.
 2. VERTICAL CLEARANCE SHALL BE 7' FROM EDGE OF TRAVEL; HOWEVER, IF THE GROUND ELEVATION IS ABOVE THE EDGE OF TRAVEL, THE VERTICAL CLEARANCE SHALL BE 7' FROM THE GROUND.
 3. REFER TO MUTCD 11TH EDITION FIGURE 2A-2 FOR LATERAL CLEARANCE REQUIREMENTS.
 4. ALL SIGN PANELS SHALL BE AFFIXED TO "Z" BARS WITH THRU-BOLTS (SEE NCTA STANDARD HIGHWAY SIGNS - ROUTE SIGN ASSEMBLIES MOUNTING METHOD (SHEET D-06C).
 5. DOUBLE ASSEMBLIES SHALL BE DESIGNED WITH TWO STEEL BEAM SUPPORTS. ADJUST STANDARD SPACING SO EACH SUPPORT IS CENTERED ON THE ROUTE MARKER PANEL.
 6. TYPE D SIGNS SHALL NOT BE MOUNTED ON SAME SUPPORTS AS NCTA ROUTE SIGN ASSEMBLIES.
 7. FABRICATE SIGN PANELS PER THE TYPE F SPECIFICATIONS OF NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES, SECTION 901-2(C)(3) WITH ONLY HOLES DRILLED FOR THRU-BOLTS TO ATTACH TO "Z" BARS.

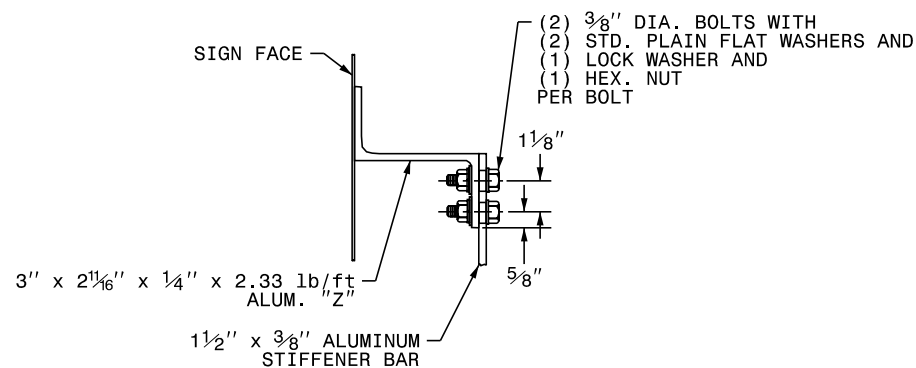
REV. NO.	BY	DATE	DESCRIPTION
1	TRT	AUG 2025	ADDED "EXPRESS ONLY" PLAQUE

SCALE: N.T.S.
MARCH 2025

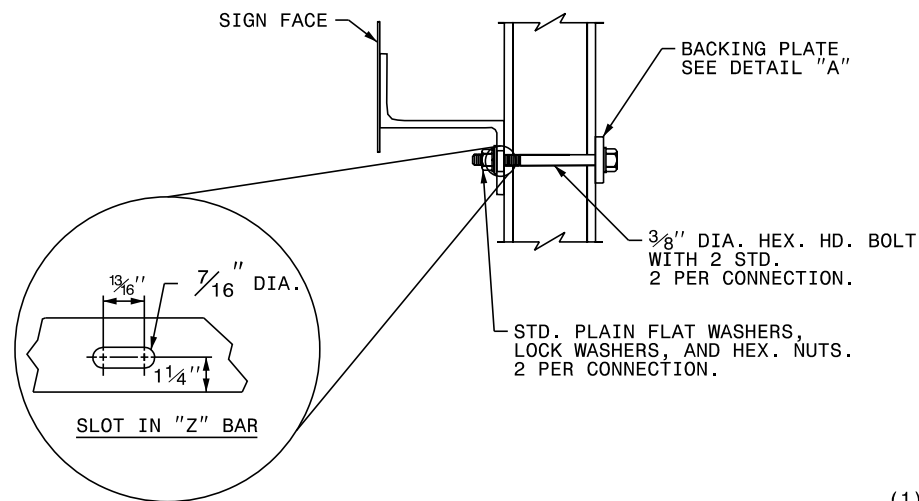
EXPRESS LANE
ROUTE SIGN ASSEMBLY



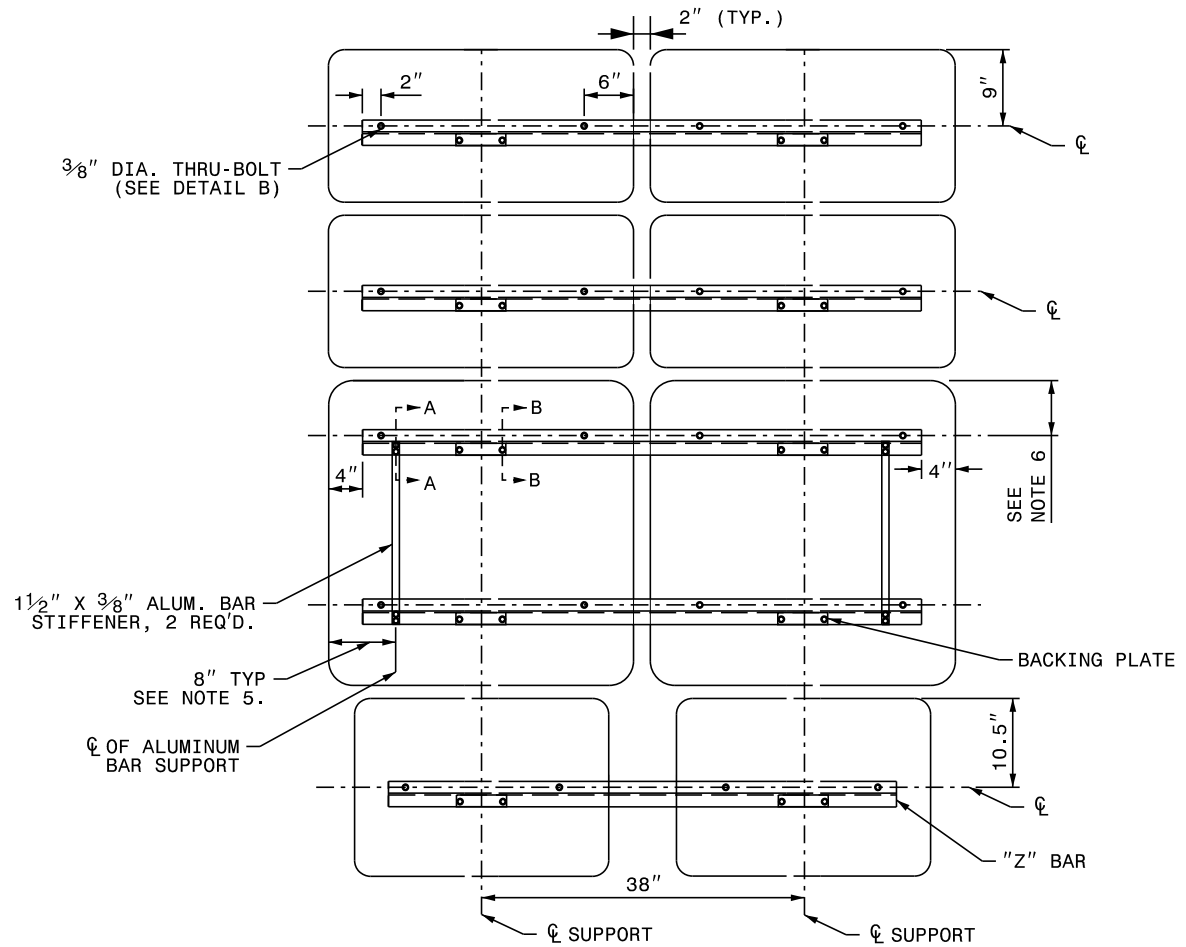
SECTION A-A
STIFFENER DETAIL



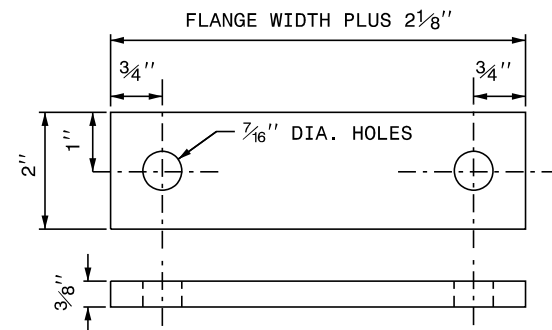
SECTION B-B



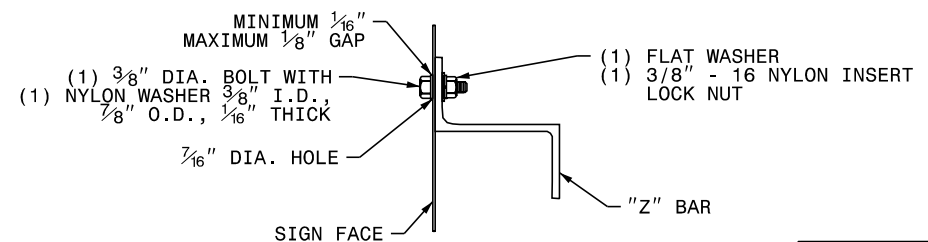
TOLL FACILITY
ROUTE SIGN ASSEMBLY



BACKING PLATE DETAIL "A"
W-BEAM OR S-BEAM SUPPORT



DETAIL "B"
THRU-BOLT CONNECTION



- NOTES:
1. USE NUMBER, SIZE, AND SPACING OF SUPPORTS AS SHOWN ON SUPPORT CHART IN PROJECT PLAN SHEETS.
 2. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES, AND SUPPORT. FURNISH ALL MOUNTING HARDWARE.
 3. FURNISH ALL MOUNTING HARDWARE.
 4. THE VERTICAL DIMENSION BETWEEN SIGNS IS ONE (1) INCH.
 5. ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
 6. SEE NCDOT ROADWAY STANDARD DRAWING 901.70 FOR "Z" BAR SPACING.
 7. PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU-BOLTS.
 8. FABRICATE EACH SIGN WITH 3/8" DIA. THRU-BOLT, 6" FROM EACH END OF EACH SIGN PANEL (SEE DETAIL B).
 9. THRU-BOLTS WILL HAVE A MINIMUM 1/16" TO MAXIMUM 1/8" GAP.

REV.
NO. BY DATE DESCRIPTION

REV. NO.	BY	DATE	DESCRIPTION

SCALE: N.T.S.
MARCH 2025

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
NCTA STANDARD HIGHWAY SIGNS
ROUTE SIGN ASSEMBLIES - MOUNTING METHOD

D-06C