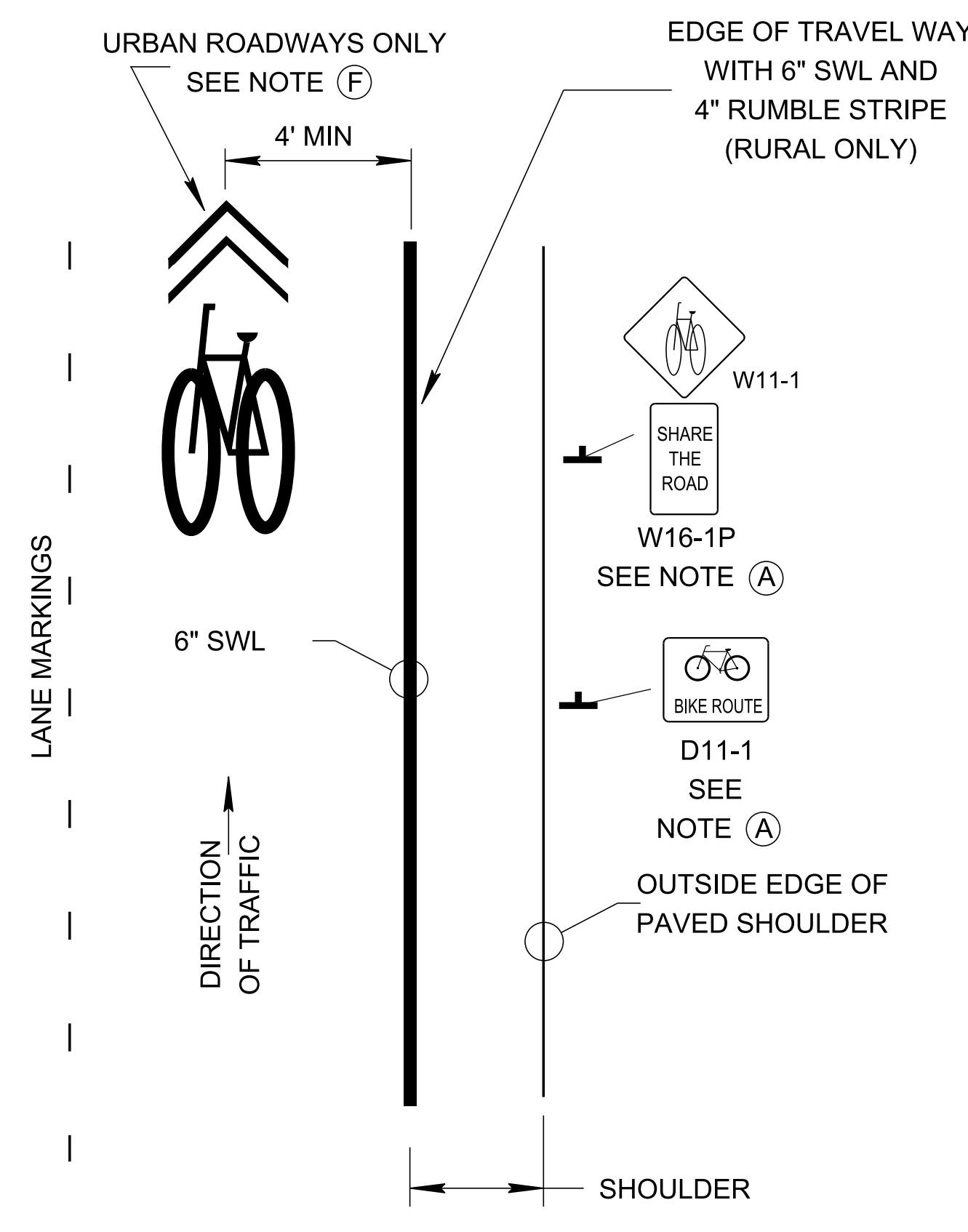
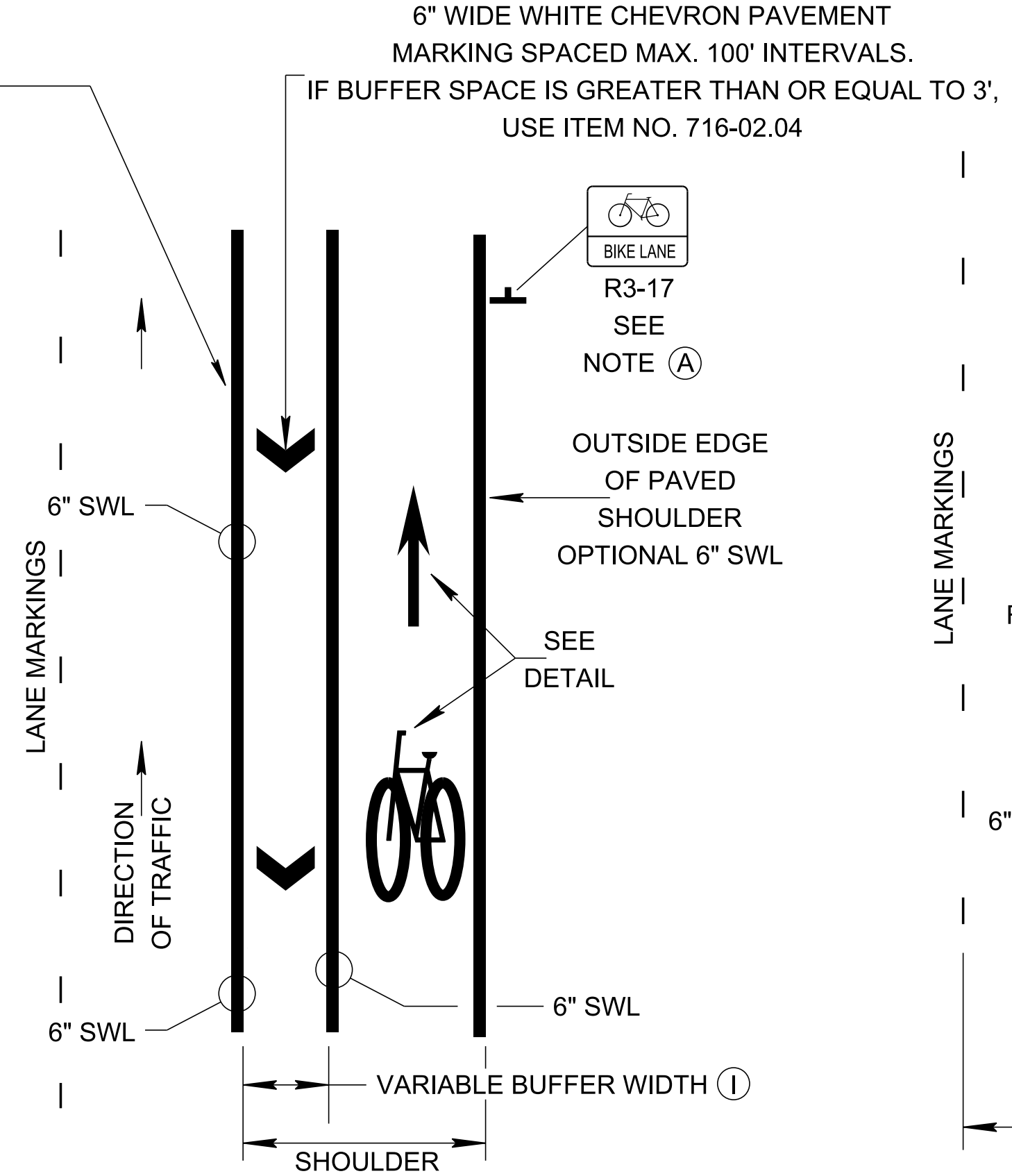


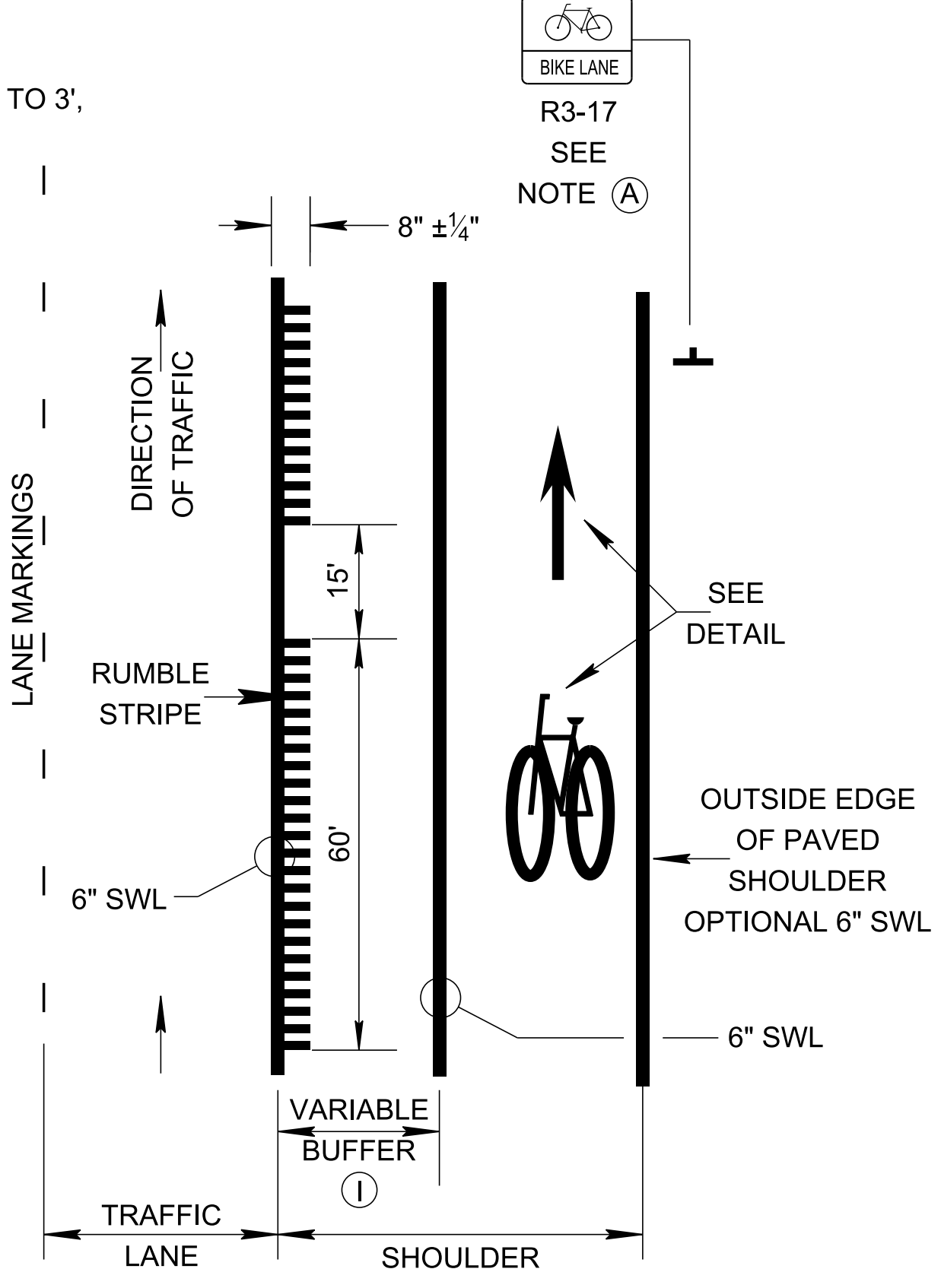
7/17/2024 1:09:14 PM P:\StandDraw\DESIGN STANDARDS\Standards Drawings\Standard Roadway Drawings - CURRENT\In Progress\10-106.00 Multimodal IP\106.02 Pavement Marking IP\MMPM2-20240730.dgn



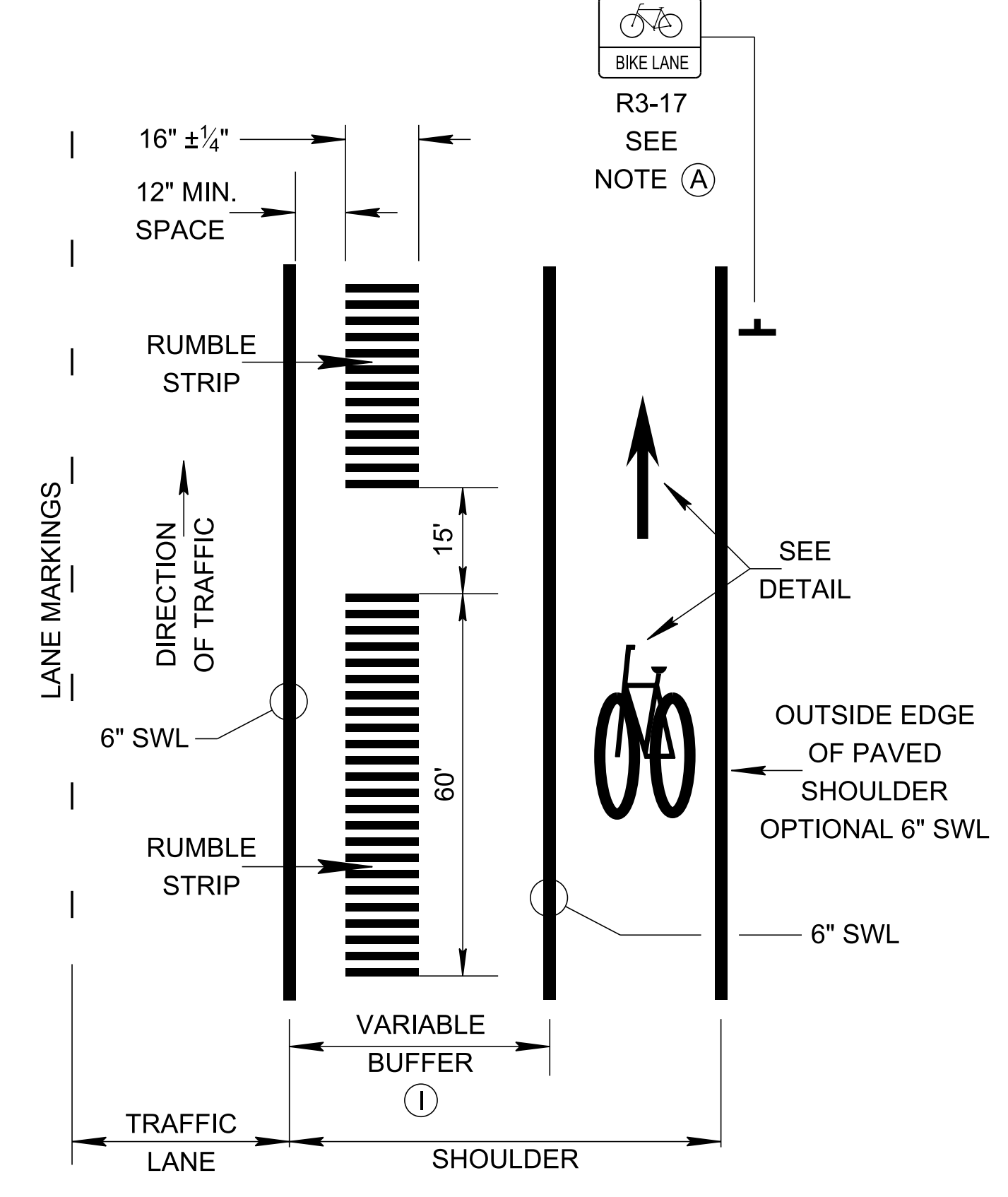
**BIKE ROUTE MARKING AND SIGN DETAILS**



**TYPICAL BIKE LANE ON MAJOR SUBURBAN ROADWAY**

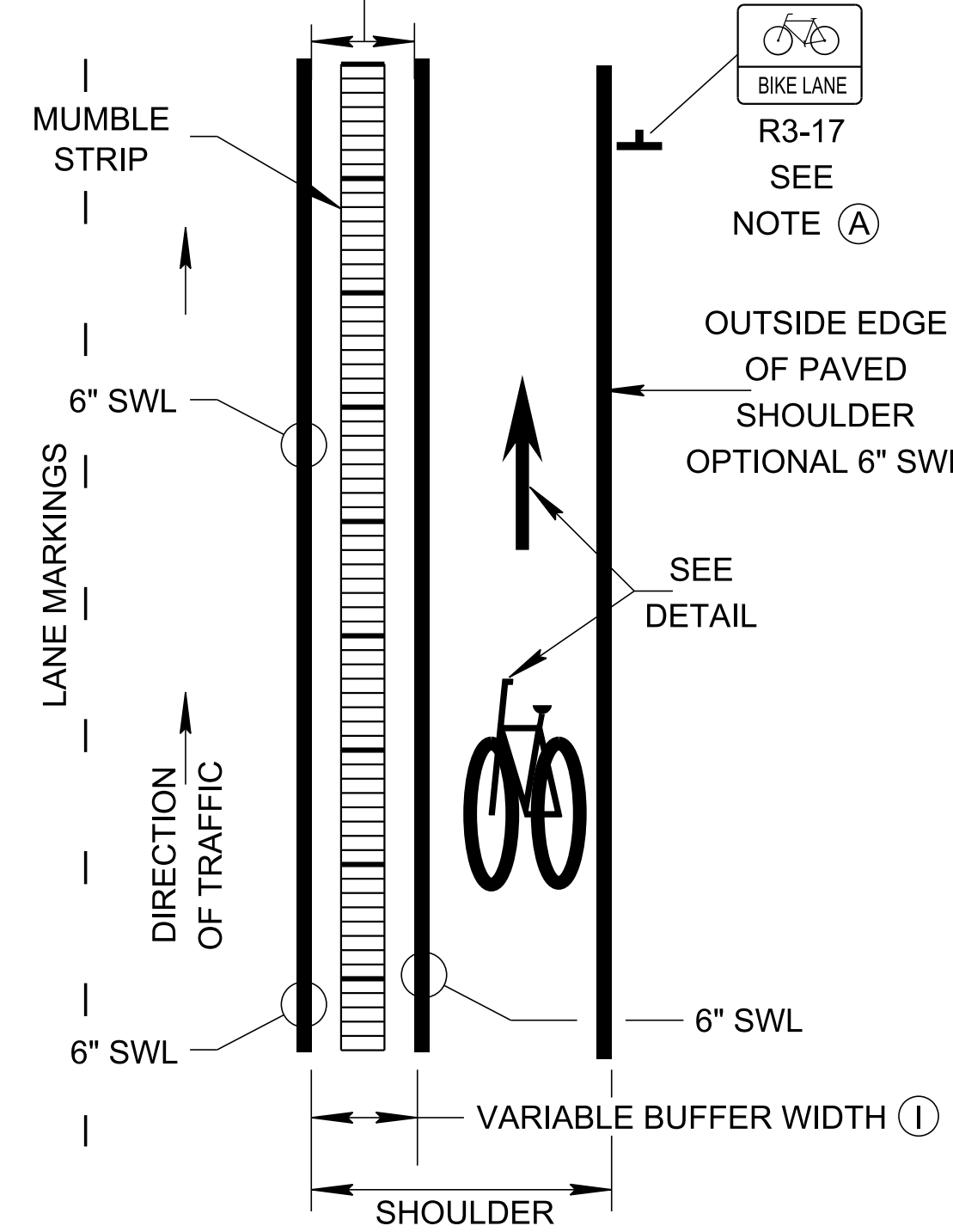


**TYPICAL BIKE LANE/RUMBLE STRIPE STRIPE DETAIL**

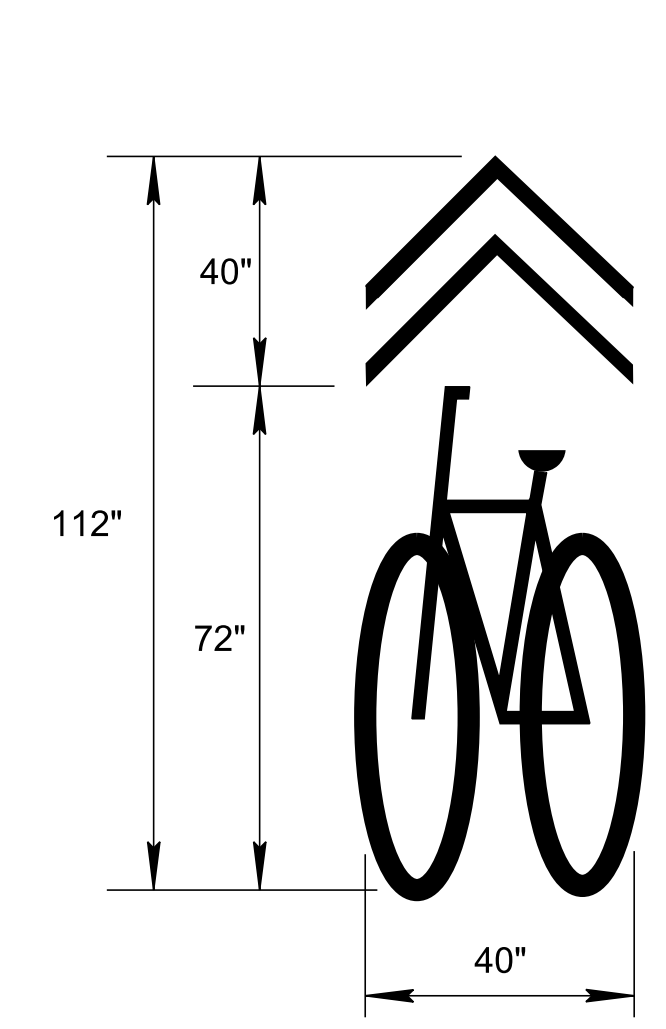


**TYPICAL BIKE LANE/RUMBLE STRIP STRIP DETAIL**

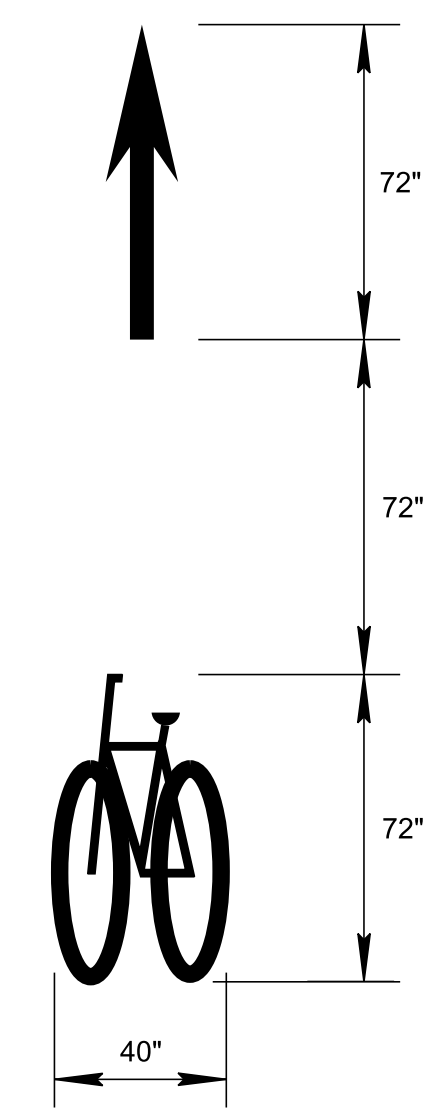
IF THE AVAILABLE BUFFER SPACE IS LESS THAN 3', MUMBLE STRIP/STRIPE MAY BE INSTALLED AS AN ALTERNATIVE TO MITIGATE THE SAFETY CONCERNS (ITEM NO. 411-12.10 / 411-12-11) SEE NOTE (L)



**OPTIONAL BIKE LANE/MUMBLE STRIP DETAIL**



**TYPICAL PAVEMENT MARKING FOR BICYCLE SHARING THE ROADWAY (SHARROW)**  
ITEM NO. 716-04.15  
SEE NOTE (F)



**TYPICAL PAVEMENT MARKING FOR BICYCLE LANES**  
ITEM NO. 716-04.13  
NOTE: SPACED AT INTERVALS NOT GREATER THAN 1000 FEET

**GENERAL NOTES**

- (A) SIGNS SHOULD BE PLACED APPROXIMATELY EVERY 0.25 MILE, AT EVERY TURN, AND AT ALL SIGNALIZED INTERSECTIONS. WHERE MULTIPLE SIDE ROADS/TURNS EXIST, IT IS NOT REQUIRED TO LOCATE SIGNS AT EVERY TURN; HOWEVER, SIGN SPACING SHOULD NOT EXCEED 0.25 MILE. SIGN SPACING SHOULD NOT EXCEED ONE MILE ON RURAL ROADS.
- (B) SEE STD. DWG. T-M-15A AND T-M-16 IF RUMBLE STRIP OR RUMBLE STRIPE IS PROPOSED IN CONJUNCTION WITH BIKE ROUTE.
- (C) BIKE LANES AND BIKE ROUTES ARE NOT PERMITTED ON ACCESS CONTROLLED FACILITIES.
- (D) IF BIKE LANE IS PROPOSED ON PAVED SHOULDER, RUMBLE STRIPS SHOULD NOT BE USED WHEN THEIR INSTALLATION WOULD LEAVE A CLEAR SHOULDER PATHWAY LESS THAN 4' WIDE (OR LESS THAN 5' WIDE IF THERE IS AN OBSTRUCTION SUCH AS A CURB OR GUARDRAIL) TO THE RIGHT OF THE RUMBLE STRIP FOR BICYCLE USE.
- (E) SEE MUTCD SECTIONS 9B.04, 9B.06, 9B.18, 9B.19, 9B.20, 9C.04 AND 9C.07, AND MUTCD TABLE 9B-1 FOR ADDITIONAL SIGNING AND PAVEMENT MARKING INFORMATION.
- (F) SHARED BIKE LANE MARKINGS SHOULD NOT BE PLACED ON ROADWAYS THAT HAVE A SPEED LIMIT ABOVE 35 MPH. MARKING TO BE PLACED IMMEDIATELY AFTER AN INTERSECTION AND SPACED AT INTERVALS NOT GREATER THAN 250 FEET.
- (G) IF USED, RUMBLE STRIP TO BE PAID FOR UNDER ITEM:  
411-12.02, SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH), PER LINEAR MILE.  
AND RUMBLE STRIPE TO BE PAID FOR UNDER ITEM:  
411-12.03, SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH), PER LINEAR MILE.
- (H) PAVEMENT MARKINGS FOR BICYCLE LANES OR ROUTES TO BE PAID FOR UNDER ITEMS:  
716-04.13, PLASTIC PAVEMENT MARKING (BIKE LANE SYMBOL & ARROW), PER EACH.  
716-04.15, PLASTIC PAVEMENT MARKING-BIKE SYMBOL/ARROW SHARED, PER EACH.
- (I) ON MAJOR ROADWAYS APPROACHING URBAN AREAS, A BUFFERED BIKE LANE MAY BE USED, CONTACT THE TDOT BIKE COORDINATOR FOR GUIDANCE.
- (J) SEE STD. DWG. MM-PM-3 THRU MM-PM-5 AND MM-TS-1 FOR ADDITIONAL BIKE LANE GUIDANCE.
- (K) RUMBLES SHOULD NOT TYPICALLY BE INSTALLED AT V < 45 MPH IN URBAN ZONES.
- (L) IF THE BUFFER WIDTH IS LESS THAN 3 FEET THEN THE MUMBLE STRIP/STRIPE MAYBE USED AS AN ALTERNATIVE TO THE 8" RUMBLE STRIPE. SEE STANDARD DRAWING T-M-16B FOR MUMBLE STRIP/STRIPE DETAILS.

(Replaced Std Dwg T-M-11)

**STATE OF TENNESSEE**  
STANDARD DRAWING  
**DEPARTMENT OF TRANSPORTATION**

SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES

01-07-2019 MM-PM-2