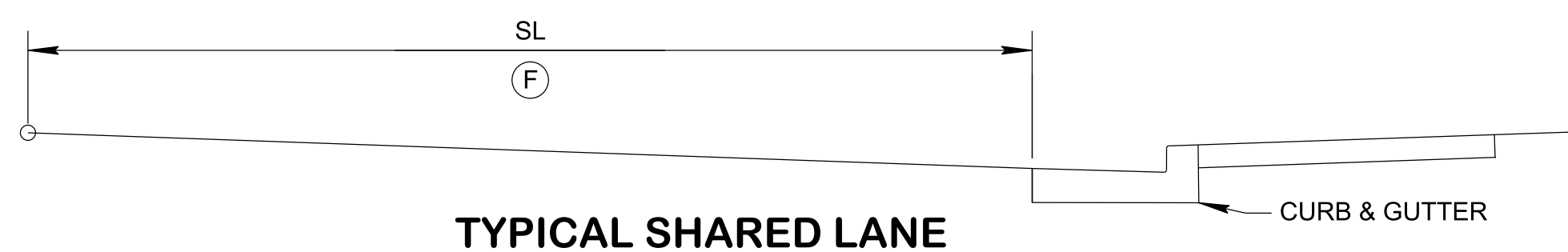


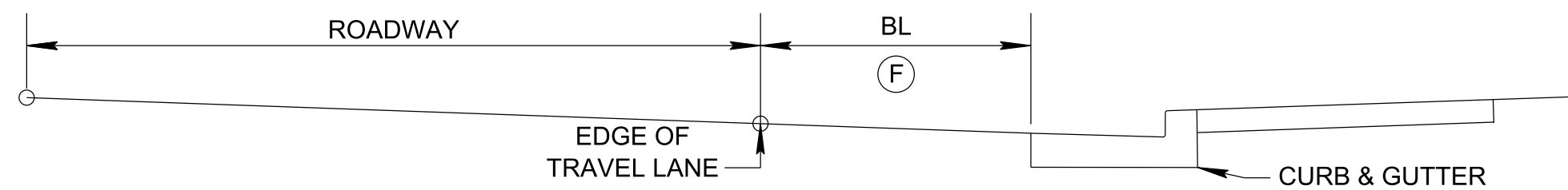
# TYPICAL ROADWAY SECTION ELEMENTS TO ACCOMMODATE BIKE FACILITY

## URBAN (CURB AND GUTTER)

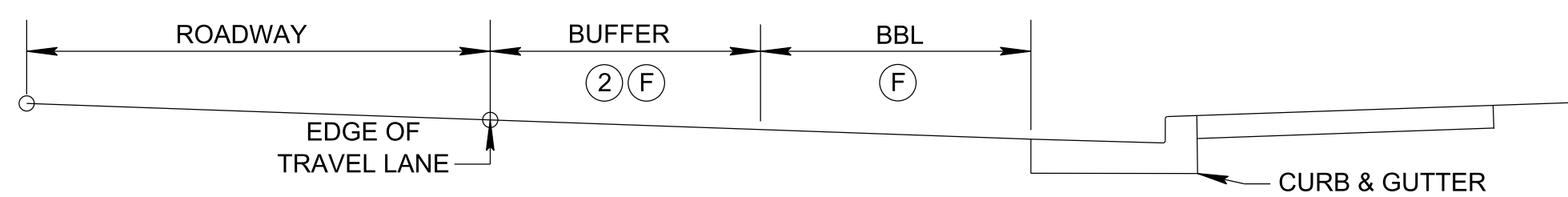
## RURAL (SHOULDER AND DITCH)



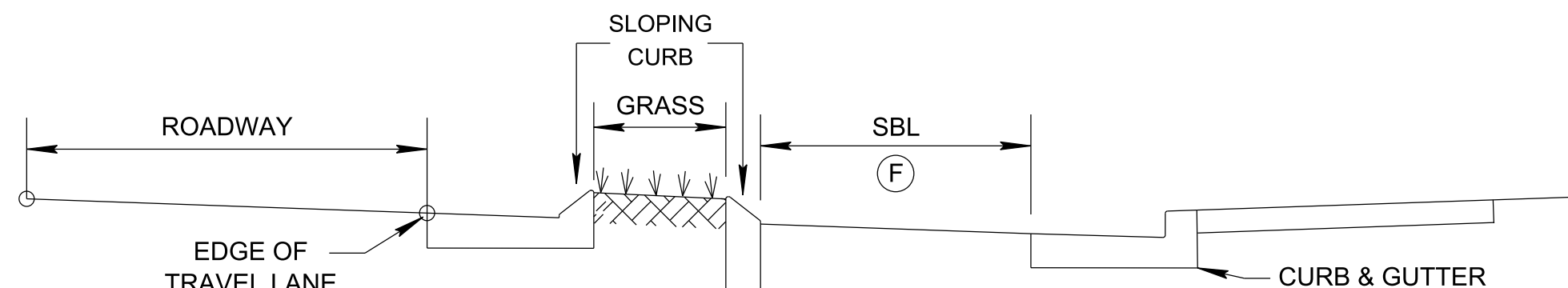
TYPICAL SHARED LANE



TYPICAL CONVENTIONAL BIKE LANE



TYPICAL BUFFERED BIKE LANE

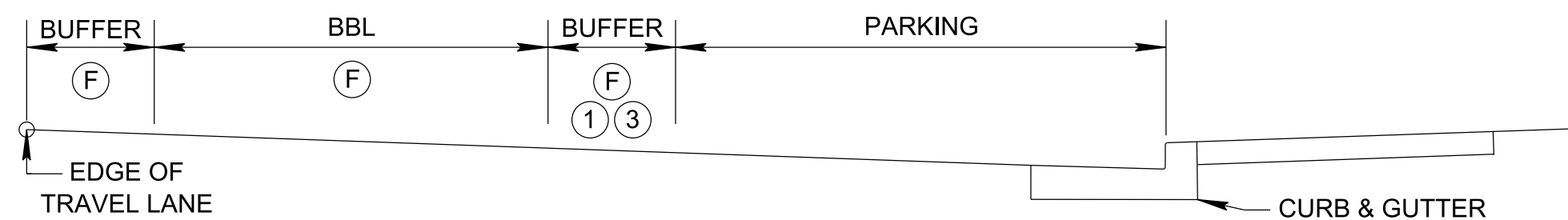


TYPICAL SEPARATED BIKE LANE

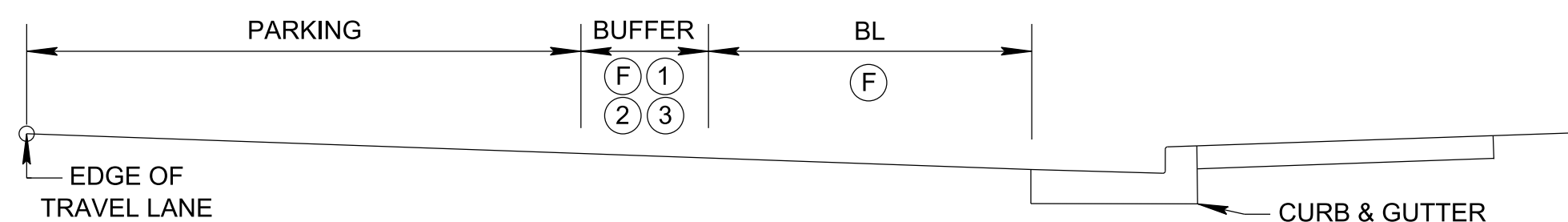


TYPICAL ON-STREET PARKING WITH BIKE LANE

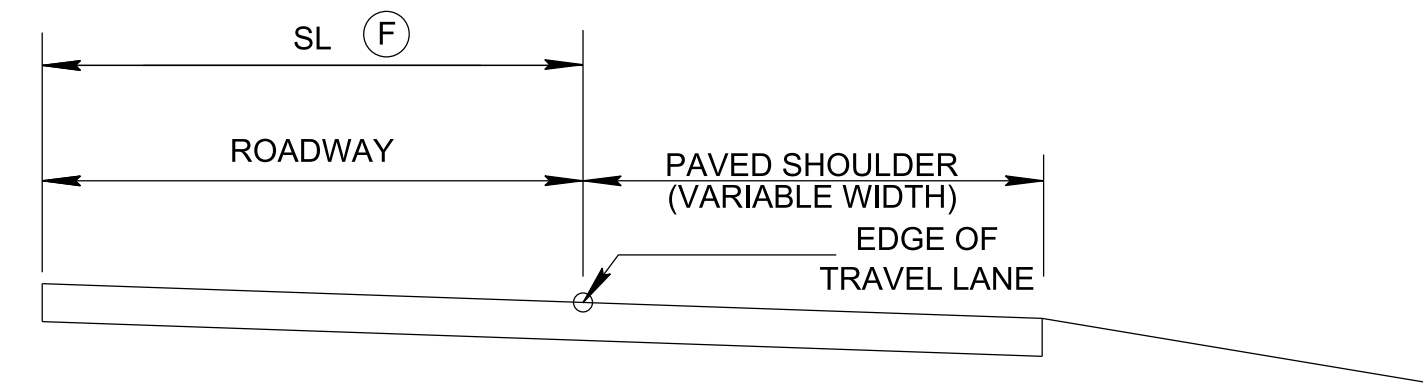
APPROPRIATE WHEN PARKING LANE PROPOSED OR EXISTING AND ROADWAY AADT AND SPEED LIMIT IS APPROPRIATE FOR NO BUFFER BETWEEN BIKE AND TRAVEL LANE



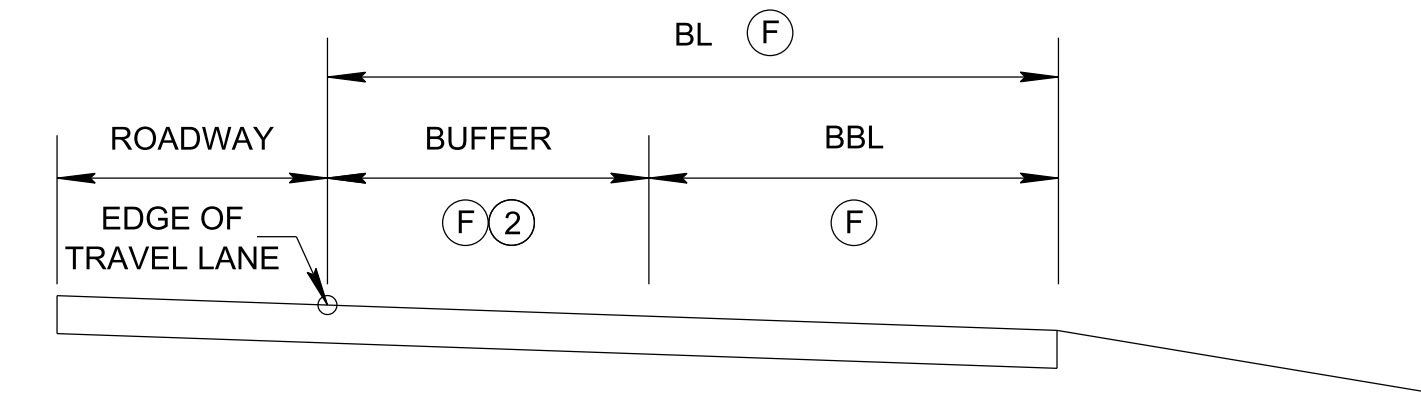
TYPICAL ON-STREET PARKING WITH BUFFERED BIKE LANE



TYPICAL ON-STREET PARKING WITH PROTECTED BIKE LANE



TYPICAL BIKE ACCOMMODATION/ BIKE ROUTE



TYPICAL BIKE LANE

**TABLE 1 (C)**

**MINIMUM BICYCLE FACILITY GUIDANCE FOR URBAN (CURB AND GUTTER) CROSS SECTIONS**

ADT		< 2000	2,000 - 20,000	> 20,000
POSTED SPEED LIMITS (D)	≤ 35 MPH	SL	BL (4FT)	BL (4FT)
	40 MPH	BL (5 FT)	BL (5 FT) or BBL (4 FT)	BBL (4 FT) or SBL (5 FT)
	45 -55 MPH	BBL (4 FT) or SBL (4 FT)	BBL (4 FT) or SBL (4 FT)	BBL (4 FT) or SBL (4 FT)
	> 55 MPH	SBL	SBL	SBL

SL = SHARED LANE      BBL = BUFFERED BIKE LANE  
SBL = SEPARATED BIKE LANE      BL = CONVENTIONAL BIKE LANE

**TABLE 2 (C)**

**MINIMUM BICYCLE FACILITY GUIDANCE FOR RURAL (SHOULDER AND DITCH) CROSS SECTIONS**

ADT		< 2000	2,000 - 20,000	> 20,000
POSTED SPEED LIMITS (D)	≤ 35 MPH	SL	BL (4FT)	BL (4FT)
	40 MPH	BL (4 FT)	BL (5 FT) OR BBL (4 FT)	BL (5 FT) OR BBL (4 FT)
	> 45 MPH	BL (5 FT)	BBL (5 FT)	BBL (5 FT)

SL = SHARED LANE      BBL = BUFFERED BIKE LANE  
BL = CONVENTIONAL BIKE LANE WITHOUT BUFFER

**TABLE 3 (C)**

**MINIMUM BIKE LANE BUFFER REQUIREMENTS**

ADT		< 2000	2,000 - 20,000	> 20,000
POSTED SPEED LIMITS (D)	40 MPH	2 FT	2 FT	3 FT
	45 -55 MPH	3 FT	3 FT	3 FT
	> 55 MPH	SEPERATED BIKE LANE REQUIRED		

### BUFFER NOTES

- BUFFERS ARE REQUIRED WHEN ADJACENT TO ON-STREET PARKING.
- BIKE LANES SHOULD BE LOCATED AS FAR FROM THE TRAVEL LANE AS CONDITIONS ALLOW. BUFFERS LESS THAN 3 FEET SHOULD BE EVALUATED AND SUPPLEMENTED BY DEVICES SUCH AS GROUND MOUNTED DELINEATORS OR SIMILAR DEVICES.
- WHEN A PARKING LANE IS PRESENT, A BUFFER SPACE IS REQUIRED. FOR SPEEDS LESS THAN 35 MPH, THE MINIMUM BUFFER IS 2 FEET.

### GENERAL NOTES

- THE INTENT OF THIS DRAWING IS TO PROVIDE MINIMUM BIKE ACCOMMODATION DESIGN GUIDANCE FOR VARIOUS TYPICAL CONDITIONS. TDOT DESIGN GUIDELINES SECTION 3-500.00 SHOULD BE REFERENCED FOR ADDITIONAL INFORMATION AND GUIDANCE. THESE DESIGN STANDARDS ARE TO PROVIDE SAFE AND RELIABLE BICYCLE FACILITIES BASED ON ROADWAY CONDITIONS. THE ABSENCE OF THESE FACILITIES DOES NOT ELIMINATE THE RIGHT OF BICYCLISTS TO USE THE ROADWAY.
- SEE STD. DWG. MM-PM-2 THROUGH MM-PM-5 FOR PAVEMENT MARKING AND SIGNING.
- BIKE LANE AND BUFFER WIDTHS SHOWN ARE MINIMUM REQUIREMENTS, EXCEEDING MINIMUMS IS ALWAYS PREFERRED. PROPOSED DESIGNS THAT DO NOT MEET THE MINIMUMS IN THIS STANDARD REQUIRE DESIGN WAIVER REQUEST FORM BE APPROVED.
- POSTED SPEED IS ASSUMED MINIMALLY 5 MPH LESS THAN DESIGN SPEED FOR ROADWAY.
- REFERENCE: AASHTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES, 2019. & NCHRP REPORT 766 - RECOMMENDED BICYCLE LANE WIDTHS FOR VARIOUS ROADWAY CHARACTERISTICS, 2014
- SEE TABLES 1 & 2 FOR BIKE LANE WIDTHS, AND TABLE 3 FOR BUFFER WIDTH REQUIREMENTS.
- IN SCENARIO WHERE PARKING LANE EXISTS BUT AADT & SPEED DOES NOT REQUIRE A TRAFFIC BUFFER, BIKE LANE MINIMUM WIDTH SHALL BE DETERMINED AS IF NO PARKING BUFFER IS PRESENT.

REV. 01-07-19: REVISED DIMENSIONS AND DRAWINGS TO ALIGN WITH DESIGN GUIDELINES SECTION 9-500. ADDED TYPICAL FOR SEPARATED BIKE LANE, BUFFER NOTES, TABLE 1 AND 2. REPLACED GENERAL NOTES (2), (3) AND (4). ADDED GENERAL NOTE (5). REDREW SHEET.

REV. 06-28-19: REVISED TYPICAL FOR SEPARATED BIKE LANE. FIXED SPELLING IN TABLE 1. ADJUSTED FOOTNOTES IN TABLE 2. REVISED BUFFER NOTES NO. (3) AND GENERAL NOTES (A) AND (B).

REV. 06-15-21: REVISED TO EXCLUDE 2FT GUTTER FROM BEING CONSIDERED TRAVERSABLE SURFACE. REVISED ALLOWABLE MINIMUM BIKE AND BUFFER WIDTHS. REVISED TABLE 1 AND 2 AND MADE TABLE 3. ADDED TYPICAL EXAMPLES OF ON-STREET PARKING WITH A BIKE LANE. ADDED NOTE G. REVISED NOTE C. REVISED NOTE E. REVISED NOTE F.