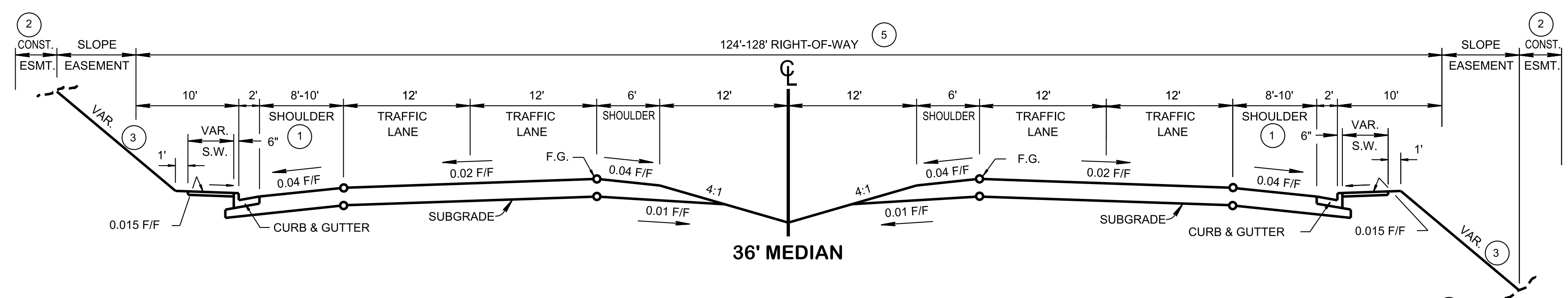
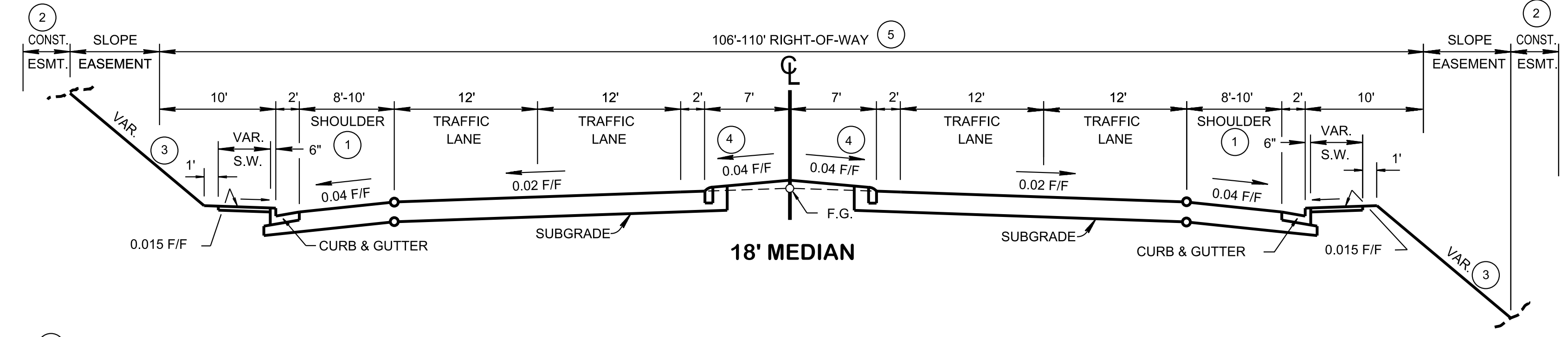


3/6/2019 9:00:45 AM \\AG03SDCWF00010.net.ads.state.tn.us\Projects\Standard Drawings\Folder\Working Folder for Eugene\Draft\100 ROADWAY DESIGN STANDARDS\Typical Sections and Design Criteria\RD01-TS-6-20190107.dgn

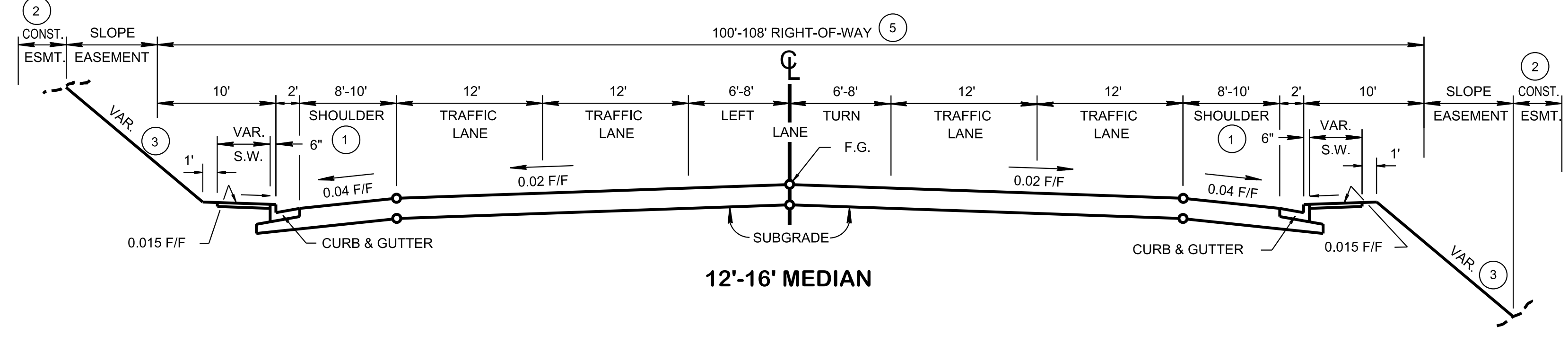
- REV. 10-15-02: NEW SHEET. REPLACES RD-TS-6.
- REV. 7-31-13: REVISED SIDEWALK WIDTH.
- REV. 1-25-16: REVISED GENERAL NOTES.
- REV. 10-10-16: REVISED GENERAL NOTES. CLARIFIED SIDEWALK DIMENSION.
- REV. 01-07-19: ADDED SIDEWALK LATERAL OFFSET / BUFFER REQUIREMENT TO GENERAL NOTES. REVISED CURBS GENERAL NOTE AND ADDED NOTER NO. (5). ADJUSTED DRAWING NAME AND REDREW SHEET.



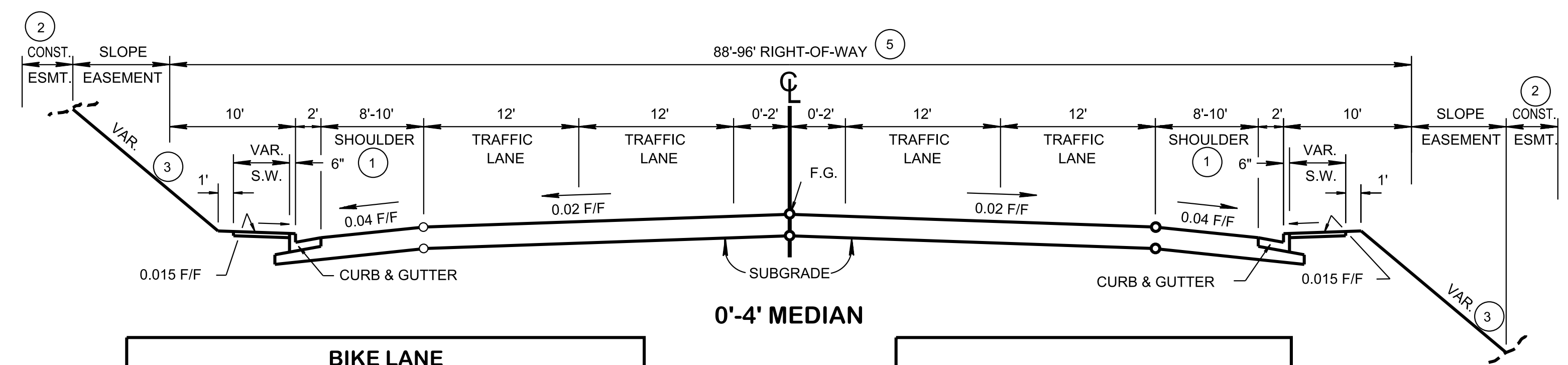
36' MEDIAN



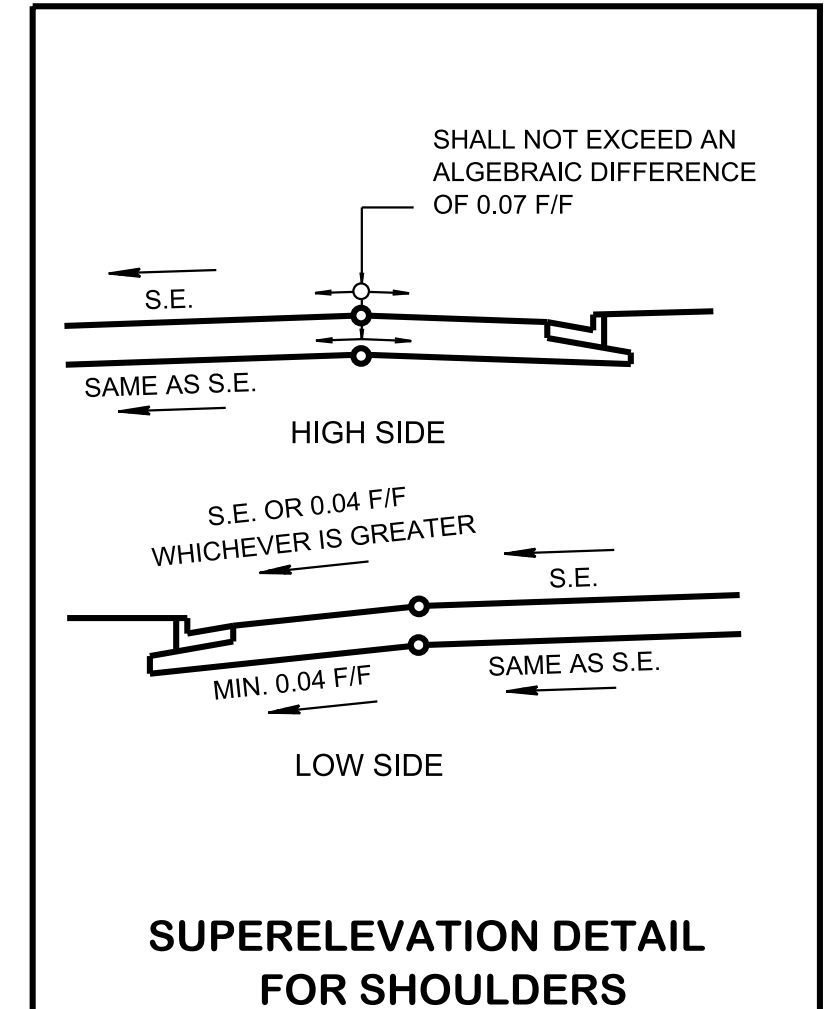
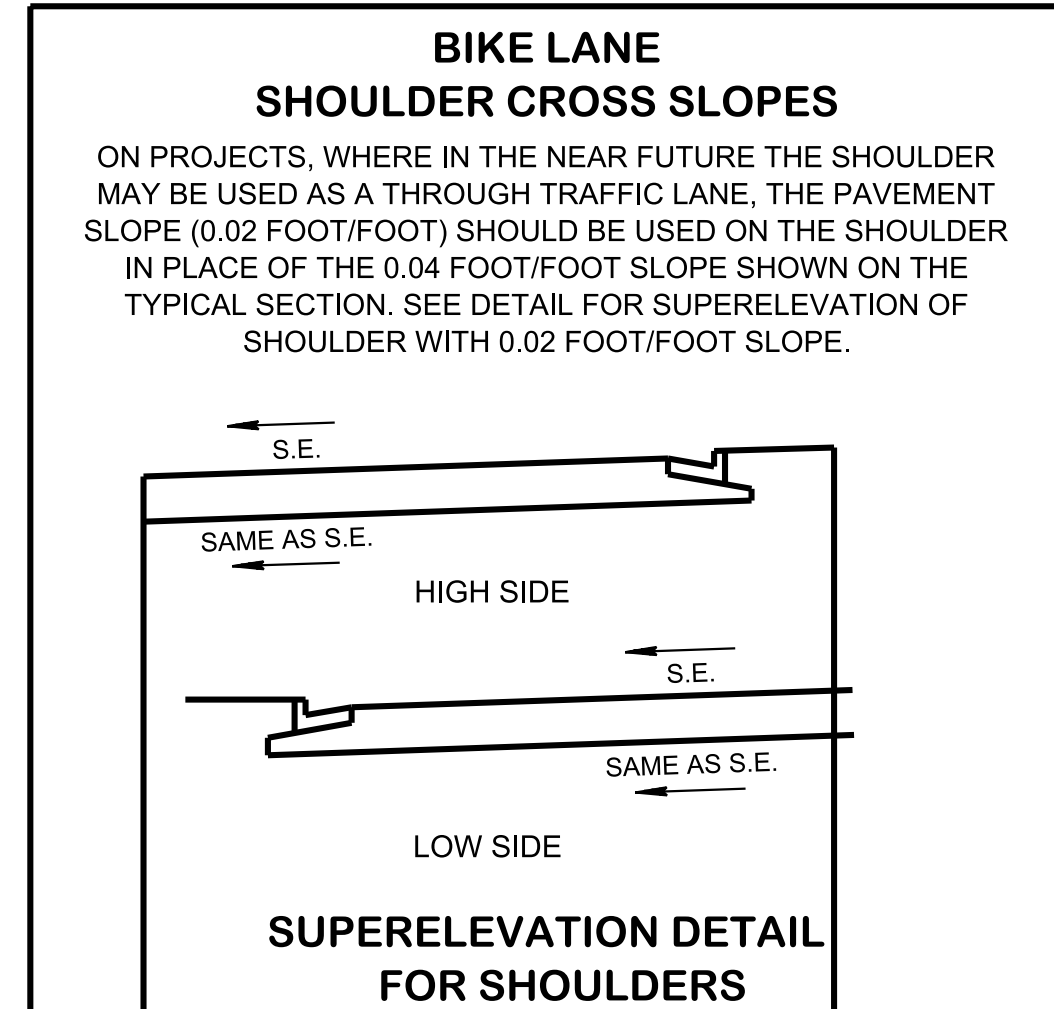
18' MEDIAN



12'-16' MEDIAN



0'-4' MEDIAN



GENERAL NOTES

DESIGN SPEED
THESE SECTIONS ARE FOR 45 MILES PER HOUR OR LESS. IF HIGHER SPEED IS PROPOSED USE RD01-TS-6B.

ALIGNMENT
SEE STANDARD DRAWING S-PL-6.

SUPERELEVATION AND MEDIAN BARRIERS
SEE APPROPRIATE STANDARD DRAWINGS IN THE RD01-SE-SERIES AND S-SSMB-SERIES.

SHOULDER
(1) IF SHOULDERS LESS THAN 8', USE STANDARD DRAWING RD01-TS-6A.
8' MIN. SHOULDER IS REQUIRED FOR VEHICLE EMERGENCIES AND TO PROVIDE PROPER HORIZONTAL OFFSET TO PEDESTRIAN FACILITIES. UNDER NO CIRCUMSTANCES SHALL THE SHOULDER BE CONSIDERED TO FACILITATE PEDESTRIAN ACCESS. LOCATIONS WHERE EXISTING ROADWAY IS LACKING MIN 8' SHOULDER WIDTH (3R PROJECTS-RESURFACING, RETROFITTING, AND RECONSTRUCTION), MIN 4' SHALL BE PROVIDED. IN SOME INSTANCES, ADJUSTMENT TO LANE WIDTH MAY BE REQUIRED.

CONSTRUCTION EASEMENT
(2) 10' MINIMUM DESIRABLE.

SLOPES
(3) ON URBAN PROJECTS, THE BACKSLOPE AND FORESLOPE DESIGN WILL VARY FROM PROJECT TO PROJECT; AS A GENERAL RULE 3:1 SLOPES OR FLATTER ARE DESIRABLE AND ARE THE MAXIMUM IN REGION IV. 2:1 SLOPES ARE APPLICABLE IN AREAS WHERE RIGHT-OF-WAY RESTRICTIONS OR COST WARRANTS A STEEPER THAN 3:1 SLOPE.

CURBS
(4) MEDIAN CURBS WILL BE 6" SLOPING CURBS. OUTSIDE CURBS WILL BE 6" SLOPING CURBS (SEE MM SERIES DRAWINGS). 6" VERTICAL CURBS MAY BE USED IN URBAN ZONES.

SIDEWALKS AND BIKE LANES
SIDEWALK WIDTH SHALL NOT INCLUDE THE 6" WIDTH OF PROPOSED CURB. SIDEWALK SHALL BE A MINIMUM OF 5' WIDE. REFER TO MM-CR-SERIES FOR CURB RAMP DETAILS. IF BIKE LANE IS PROPOSED, BIKE LANE SHALL BE PLACED AS FAR AWAY AS POSSIBLE FROM THE EDGE OF TRAVELED WAY. SEE BIKE LANE BUFFER DETAILS ON STANDARD DRAWING MM-PM-3.
SEE STANDARD DRAWING MM-TS-2 FOR MINIMUM SIDEWALK LATERAL OFFSET/ BUFFER FROM TRAFFIC LANE. THE MINIMUM REQUIRED BUFFER MAY BE COMPOSED OF ANY COMBINATION OF SHOULDER, PARKING LANE, BIKE LANE, CURB AND GUTTER, AND GRASS STRIP WIDTH.

PARKING LANES
FOR SPECIFIC CONDITIONS NOT COVERED ON THIS SHEET, REFERENCE SHOULD BE MADE TO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS," AASHTO, 2011 PAGE NUMBERS 4-72 THROUGH 4-74, 5-14, 6-14, 7-34, AND TO THE CURRENT MUTCD.

3R PROJECTS-RESURFACING, RETROFITTING, AND RECONSTRUCTION
LOCATIONS WHERE EXISTING ROADWAY IS LACKING MIN 8' SHOULDER WIDTH, MIN 4' SHALL BE PROVIDED. IN SOME INSTANCES, ADJUSTMENT TO LANE WIDTH MAY BE REQUIRED. IF MIN 4' SHOULDER CANNOT BE ACHIEVED DUE TO THE ROW LIMITATIONS, UTILITY CONFLICTS, ETC, THEN ADDITIONAL MITIGATION STRATEGIES SUCH AS REDUCING DESIGN SPEED OR GROUND MOUNTED ADVANCED WARNING SIGNS SHALL BE CONSIDERED.

SERVICE APPURTENANCE
(5) SERVICE APPURTENANCE (LARGE SIGNS STRUCTURES, SIGNAL, LUMINARY AND UTILITY POLES) SHALL BE PLACED OUTSIDE THE PEDESTRIAN ACCESSIBLE SPACE, PREFERABLE OUTSIDE THE SIDEWALK AREA AND INSIDE RIGHT-OF-WAY.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDERS