

INDEX FOR STANDARD ROADWAY CONSTRUCTION DETAILS

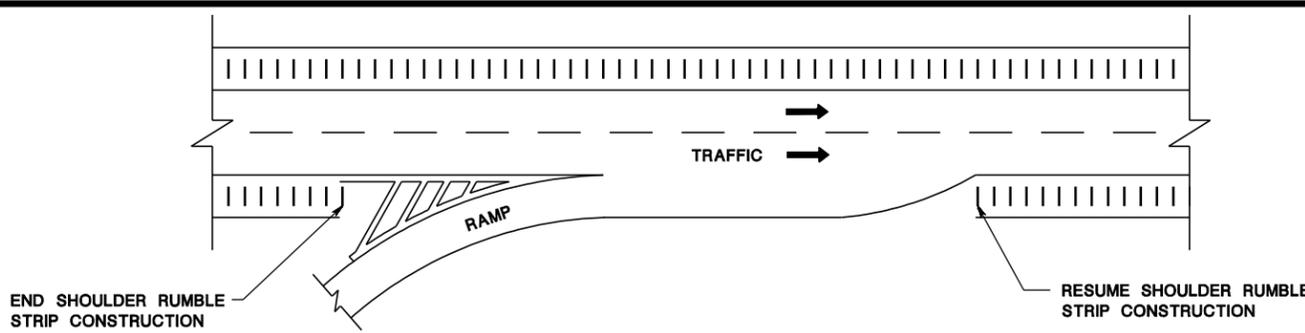
INDEX SHEET 3

DESCRIPTION	CD	DESCRIPTION	CD	DESCRIPTION	CD
JOINTS (CONTINUED)		MILLING		HMA REPLACEMENT WHERE CONCRETE COURSE IS REMOVED AT CROSS DRAIN OR UTILITY TRENCH	CD-601-3.3
CONSTRUCTION JOINT TIE BOLT	CD-405-2.2	MILLING TRANSITIONS	CD-401-1.1		
CONSTRUCTION JOINT TIE BAR	CD-405-2.3	END TREATMENT FOR MILLING OPERATIONS	CD-401-1.2	HMA REPLACEMENT WHERE EXISTING OVERLAY AND CONCRETE COURSE IS REMOVED AT CROSS DRAIN OR UTILITY TRENCH WITH PROPOSED RESURFACING	CD-601-3.4
STATIONARY FORMING	CD-405-2.4			NOTES	CD-601-3.5
SLIP FORMING	CD-405-2.5				
CONTRACTION JOINT	CD-405-2.6	MONUMENT			
NOTES	CD-405-2.7	MONUMENT AND MONUMENT BOX	CD-157-1		
LONGITUDINAL JOINT WHEN TYING INTO EXISTING CONCRETE PAVEMENT / SHOULDER	CD-405-2.8	MONUMENT	CD-157-1.1	RAISED PAVEMENT MARKER (RPM)	
		MONUMENT BOX FOR NEW MONUMENT	CD-157-1.2	RAISED PAVEMENT MARKER (RPM), LOCATION	CD-610-1
CONCRETE PAVEMENT JOINTS NON-SKEWED LOAD TRANSFER ASSEMBLIES	CD-405-3			TYPICAL DECELERATION LANE TREATMENT	CD-610-1.1
TYPICAL EXPANSION JOINT ASSEMBLY - PLAN	CD-405-3.1	NON-VEGETATIVE SURFACE		LEGEND	CD-610-1.2
TYPICAL CONTRACTION JOINT ASSEMBLY - PLAN	CD-405-3.2	NON-VEGETATIVE SURFACES AROUND GUIDE RAIL ANCHORAGE	CD-608-1	TYPICAL ACCELERATION LANE TREATMENT	CD-610-1.3
EXPANSION JOINT ASSEMBLY - ELEVATION	CD-405-3.3	NON-VEGETATIVE SURFACES AROUND GUIDE RAIL BEHIND CURB OR RAISED BERM	CD-608-1.1	TYPICAL PAVED MEDIAN TREATMENT	CD-610-1.4
CONTRACTION JOINT ASSEMBLY - ELEVATION	CD-405-3.4	NON-VEGETATIVE SURFACE AT EDGE OF PAVEMENT ON UMBRELLA SECTION WHERE GUIDE RAIL IS USED	CD-608-1.2	RAISED PAVEMENT MARKER (RPM), LOCATION	CD-610-2
CENTER FRAME WIRE DETAIL	CD-405-3.5	NON-VEGETATIVE SURFACES AROUND GUIDE RAIL ANCHORAGE	CD-608-1.3	TYPICAL DIVISIONAL ISLAND TREATMENT	CD-610-2.1
EXPANSION JOINT ASSEMBLY - SECTION A-A	CD-405-3.6	LEAVE OUT FOR NON-VEGETATIVE SURFACE, HOT MIX ASPHALT ONLY	CD-608-1.4	NARROW BRIDGE OR CULVERT TREATMENT	CD-610-2.2
CONTRACTION JOINT ASSEMBLY - SECTION B-B	CD-405-3.7	NON-VEGETATIVE SURFACE AROUND FLARED GUIDE RAIL WHERE GUIDE RAIL OFFSET FROM EDGE OF PAVEMENT IS GREATER THAN 4'-0"	CD-608-1.5	LEGEND	CD-610-2.3
TYPICAL SIDE FRAME DETAIL - "A" DESIGN	CD-405-3.8	NON-VEGETATIVE SURFACE AROUND FLARED GUIDE RAIL WHERE GUIDE RAIL OFFSET FROM EDGE OF PAVEMENT IS 4'-0" OR LESS	CD-608-1.6	TYPICAL TWO LANE SECTION	CD-610-2.4
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		GUIDE RAIL OFFSET FROM EDGE OF PAVEMENT WIDTH OF NON-VEGETATIVE SURFACE IN FRONT OF GUIDE RAIL	CD-608-1.8	RAISED PAVEMENT MARKER (RPM), LOCATION	CD-610-3
LANDSCAPING		NON-VEGETATIVE SURFACE AROUND OVERHEAD SIGN FOUNDATIONS AND UNDER LARGE GROUND MOUNTED SIGNS	CD-608-1.9	TYPICAL MULTI-LANE DIVIDED SECTION	CD-610-3.1
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TOPSOIL STABILIZATION MATTING	CD-807-1.1	NON-VEGETATIVE SURFACE AT MEDIAN GUIDE RAIL	CD-608-1.11	METHOD FOR DETERMINING RPM SPACING ON HORIZONTAL CURVES	CD-610-3.3
PLANTING	CD-811-1			LEGEND	CD-610-3.4
TREE PLANTING - 2H:1V SLOPE	CD-811-1.1	PIPES			
TREE AND SHRUB PLANTING DETAIL	CD-811-1.2	PIPE END SECTIONS	CD-601-2	RUMBLE STRIPS	
CONTAINERIZED PLANTING DETAIL	CD-811-1.3	CORRUGATED ALLUMINUM ALLOY END SECTION	CD-601-2.1	RUMBLE STRIPS	CD-610-5.1
WIRE BASKET REMOVAL	CD-811-1.4	REINFORCED CONCRETE END SECTION	CD-601-2.2	REMOVAL OF RUMBLE STRIP	CD-610-5.2
STAKING DETAILS	CD-811-1.5	CONCRETE COLLAR	CD-601-2.3	CENTERLINE RUMBLE STRIP	CD-610-6
GUYING DETAILS	CD-811-1.6	CROSS DRAIN OR UTILITY TRENCH CONSTRUCTION	CD-601-3	CONCRETE BRIDGE APPROACH WITH HMA OVERLAY	CD-610-6.1
FASTENING DETAIL	CD-811-1.7	CONCRETE SURFACE COURSE REPLACEMENT AT CROSS DRAIN OR UTILITY TRENCH	CD-601-3.1	CONCRETE BRIDGE APPROACH WITHOUT HMA OVERLAY	CD-610-6.2
PRUNING AT TIME OF PLANTING	CD-811-1.8	HMA REPLACEMENT WHERE EXISTING CONCRETE COURSE IS REMOVED AT CROSS DRAIN OR UTILITY TRENCH WITH PROPOSED RESURFACING	CD-601-3.2	STAGGERED CONCRETE BRIDGE APPROACH	CD-610-6.3
TREE PROTECTION DETAIL	CD-811-1.9			MIDBLOCK CROSSWALK	CD-610-6.4
PLANTING	CD-811-2			APPROACH TO MEDIAN OR DIVIDED HIGHWAY WITH A PHYSICAL ISLAND	CD-610-6.5
SHRUB PLANTING BEHIND GUIDE RAIL	CD-811-2.1			CENTERLINE RUMBLE STRIP	CD-610-7
HEMEROCALLIS AND NARCISSUS BED PLANTING DETAIL	CD-811-2.2			APPROACH TO RAILROAD CROSSING	CD-610-7.1
SHRUB BED PLANTING DETAIL	CD-811-2.3			APPROACH TO LEFT TURN SLOT	CD-610-7.2
NARCISSUS IN TURF DETAIL	CD-811-2.4				
HEDGE PLANTING DETAIL	CD-811-2.5				

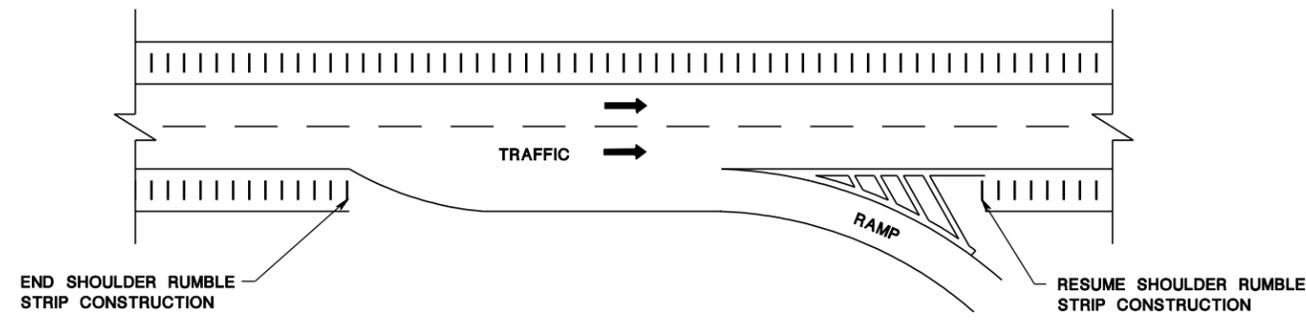
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BDC20D-02 - ADDITION OF CD-610-5.2
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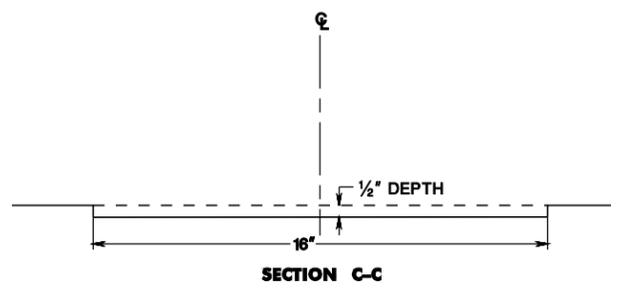
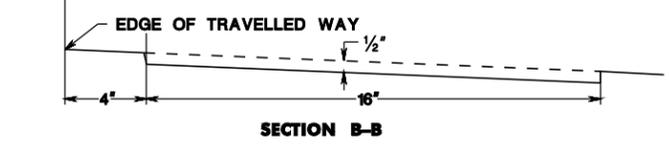
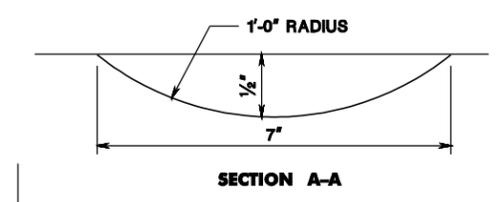
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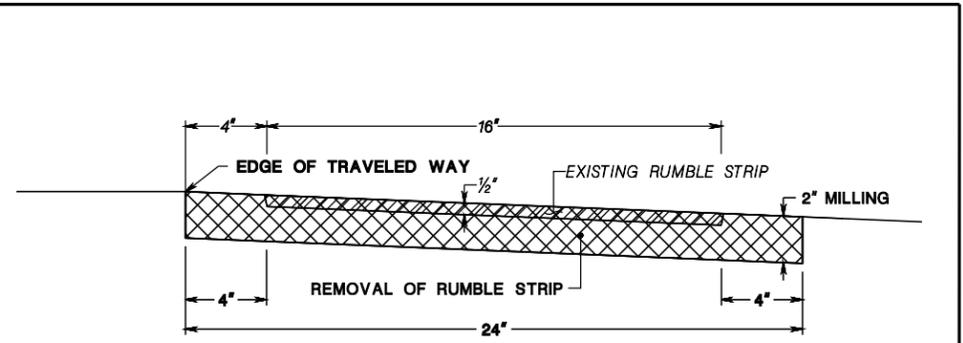
SHOULDER RUMBLE STRIP AT ACCELERATION LANE



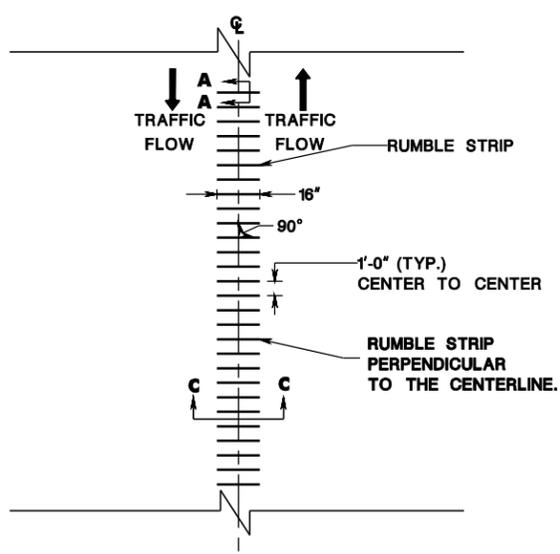
SHOULDER RUMBLE STRIP AT DECELERATION LANE



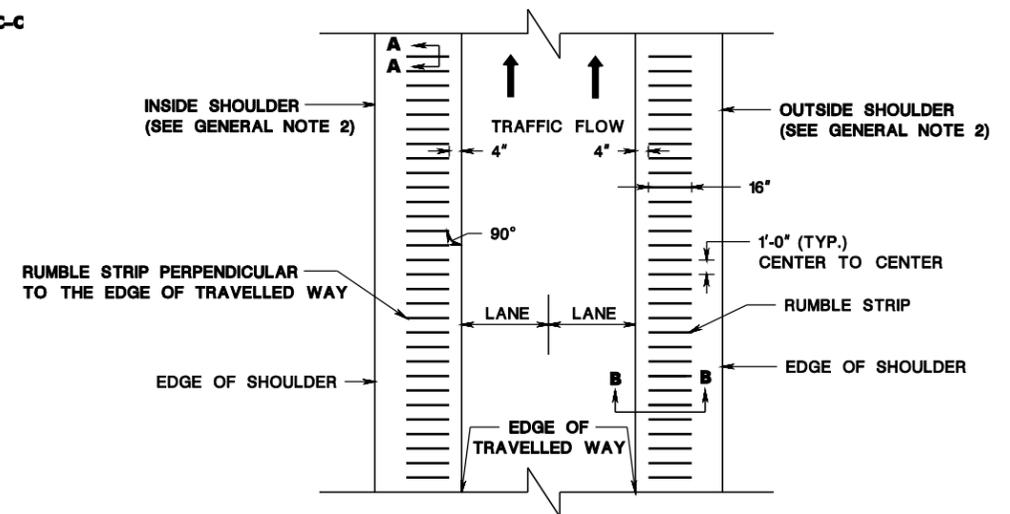
- GENERAL NOTES:**
1. THE MINIMUM LENGTH OF RUMBLE STRIPS MEASURED LONGITUDINALLY ALONG THE SHOULDER OR CENTERLINE IS 100 FEET.
 2. SHOULDER RUMBLE STRIPS TO BE CONSTRUCTED ON 3 FEET OR WIDER INSIDE SHOULDERS, AND 6 FEET OR WIDER OUTSIDE SHOULDERS.
 3. THE MINIMUM ADJACENT LANE WIDTH FOR CENTERLINE RUMBLE STRIPS IS 10 FEET.
 4. DO NOT CONSTRUCT RUMBLE STRIPS ON BRIDGE DECKS.
 5. DO NOT CONSTRUCT SHOULDER RUMBLE STRIPS WITHIN 100 FEET BEFORE AND 100 FEET AFTER THE P.C. OF INTERSECTING ROADWAYS AND COMMERCIAL DRIVEWAYS.
 6. CONSTRUCT CENTERLINE RUMBLE STRIPS TO THE END OF THE CENTERLINE STRIPE AT ALL STREET INTERSECTIONS. CENTERLINE RUMBLE STRIPS TO BE CONTINUOUS AND NOT BREAK AT DRIVEWAYS.
 7. DO NOT CONSTRUCT CENTERLINE RUMBLE STRIPS ALONG LEFT TURN SLOTS AND CONTINUOUS TWO WAY LEFT TURN MEDIAN LANES.
 8. APPURTENANCES INCLUDE, BUT ARE NOT LIMITED TO, RAISED PAVEMENT MARKERS, MANHOLES, INLETS, VALVE BOXES, AND MONUMENT BOXES.
 9. DO NOT CONSTRUCT RUMBLE STRIPS 200 FEET BEFORE AND AFTER THE APPROXIMATE MIDPOINT OF WEIGH-IN-MOTION (WIM) SYSTEMS IN THE ROADWAY.



REMOVAL OF RUMBLE STRIP



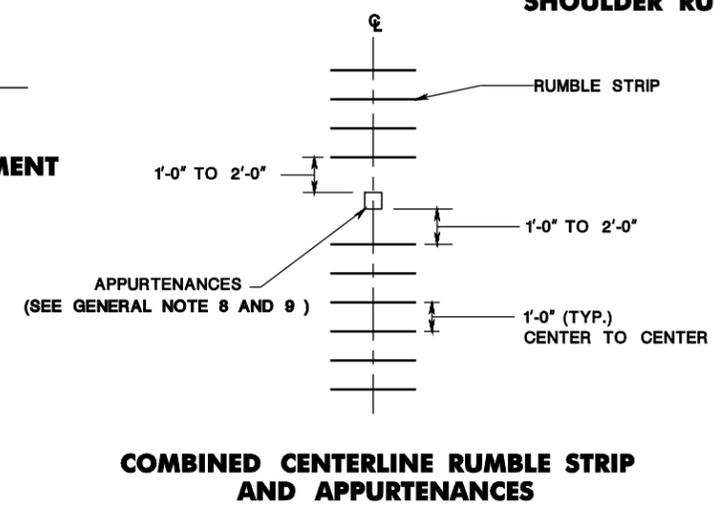
CENTERLINE RUMBLE STRIP PLACEMENT



SHOULDER RUMBLE STRIP PLACEMENT

NOTE:
HMA = HOT MIX ASPHALT

RUMBLE STRIPS
N.T.S.



COMBINED CENTERLINE RUMBLE STRIP AND APPURTENANCES

- NOTES:**
1. PRIOR TO SHIFTING THE LANES, REMOVE RUMBLE STRIPS THAT WILL BE IMPACTED.
 2. MILL 4" BEYOND EDGE OF RUMBLE STRIP.
 3. MILL TO A MINIMUM OF 2" DEPTH.
 4. APPLY POLYMERIZED JOINT ADHESIVE TO SURFACE OF VERTICAL EDGES.
 5. APPLY TACK COAT TO BOTTOM OF THE OPENING.
 6. SPREAD AND GRADE AND COMPACT HOT MIX ASPHALT SURFACE COURSE.
 7. ENSURE THAT THE TOP OF THE COMPACTED HMA IS FLUSH WITH, OR NOT GREATER THAN 1/8" HIGHER THAN, THE ADJACENT PAVEMENT SURFACE.

CD-610-5.2

CD-610-5
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS