ATTACHMENT NO. 2

RW # 3



National Committee on Uniform Traffic Control Devices

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TECHNICAL COMMITTEE: Regulatory & Warning Signs Recommendation

TOPIC: Integrate Low Volume Rural Roads into rest of MUTCD

9 Task Force Members: Pline, Ranck, Carlson, Heydel

10 STATUS/DATE OF ACTION:

RWSTC Drafts: 07/04/12, 08/24/12, 10/29/12, 02/24/13,

updated 8-24-13 with size chart, 12/20/13,

revised 1-9-14

RWSTC Approval: 06/26/13

Transmitted to Sponsors: November 2013

RWSTC Approval: 1-9-14 **Council Approval**: 1-10-14

ORIGIN OF REQUEST: Jim Pline, Fred Ranck

AFFECTED SECTIONS OF MUTCD: Parts 1, 2, 3, 5, 6, 7 and 8.

SUMMARY:

This proposed change will incorporate the Low Volume Road provisions of the MUTCD, ie. Part 5, into the appropriate other parts of the MUTCD. Part 5, Low Volume Roads as it presently exists will be deleted or used for another subject.

RESEARCH: None applicable

DISCUSSION

MUTCD Part 5, Traffic Control Devices for Low Volume Roads, was approved and included as a separate Chapter in the 2000 MUTCD and has been retained as a separate Part in the 2003 and 2009 Editions. Initially, this was approved as a separate portion of the MUTCD because there were questions on the requirements that would be applicable to rural low volume roads. There was also concern that local jurisdictions may have some difficulty in determining from the 816 pages of the MUTCD those provisions that were applicable on their low volume roads. It was also expected that the separate part would encourage local jurisdictions to apply traffic control devices on their

road systems improving the national goal towards uniformity. The ten years of separate publication and emphasis of traffic control for rural low volume roads has not resulted in any significant concerns or major modifications to the original provisions. Recognizing these minimal requirements and the desire to reduce the size of the MUTCD, it is time to incorporate Part 5 into the other appropriate Parts of the Manual deleting Part 5.

RECOMMENDED MUTCD PROVISIONS/ REVISIONS

Note: Proposed changes to the MUTCD are shown in <u>Underlined Red</u> and removed text is shown as strike through red.

Add to Definition: "Low Volume Rural Road" to Section 1A.13 <u>Definition of Headings</u>, <u>Words and Phrases in this Manual.</u>

<u>Low Volume Rural Road – A category of paved or unpaved conventional or special purpose roadways lying outside of built-up areas of cities, towns and communities with a traffic volume less than 400 vehicles AADT.</u>

Revise the Definition for "Conventional Road"

41. Conventional Road – a street or highway other than a <u>an</u> low-volume road (as defined in Section 5A.01), expressway, or freeway.

Section 2A.01 <u>Function and Purpose of Signs</u>

Because the requirements and standards for signs depend on the particular type of highway upon which they are to be used, the definitions for freeway, expressway, conventional road, <u>low volume rural road and</u> special purpose road given in Section 1A.13 shall apply in Part 2.

Section 2A.03 Standardization of Application

70 Support:

- 71 of It is recognized that urban traffic conditions differ from those in rural environments, and in many instances signs are applied and located differently. Where pertinent and practical, this Manual sets forth separate recommendations for urban and rural conditions.
- Low volume rural roads typically include access to rural residences, agricultural, recreational, resource management and development such as mining, logging and grazing and local roads in rural areas. On low-volume rural roads, the use of traffic control devices is limited to essential information regarding regulation, guidance and warning. On low-volume rural roads, it is important to consider the needs of unfamiliar road users for occasional, recreational, and commercial transportation purposes.

80 Guidance

- 81 02 Signs should be used only where justified by engineering judgment or studies, as provided in Section 1A.09.
- 83 03 Results from traffic engineering studies of physical and traffic factors should indicate the locations where signs are deemed necessary or desirable.

- 85 04 Roadway geometric design and sign application should be coordinated so that signing can be effectively placed to give the road user any necessary regulatory, warning, guidance, and other information.
- 88 05 On low-volume roads, the needs of unfamiliar road users for occasional, recreational, and commercial transportation purposes should be considered. Relocated to Support, Line 73 above.

90 Standard:

- 91 05 Each standard sign shall be displayed only for the specific purpose as prescribed in 92 this Manual. Determination of the particular signs to be applied to a specific condition 93 shall be made in accordance with the provisions set forth in Part 2. Before any new 94 highway, private road open to public travel (see definition in Section 1A.13), detour, or 95 temporary route is opened to public travel, all necessary signs shall be in place. Signs 96 required by road conditions or restrictions shall be removed when those conditions 97 cease to exist or the restrictions are withdrawn.
- 98 Section 2A.11 Dimensions
- 99 Support:
- 100 on The "Standard Highway Signs and Markings" book (see Section 1A.11) prescribes design details for up to five different sizes depending on the type of traffic facility, including bikeways.
- Smaller sizes are designed to be used on bikeways and some other off-road applications. Larger
- sizes are designed for use on freeways and expressways, and can also be used to enhance road user safety and convenience on other facilities, especially on multi-lane divided highways and or
- user safety and convenience on other facilities, especially on multi-lane divided highways and on undivided highways having five or more lanes of traffic and/or high speeds. The intermediate
- 106 sizes are designed to be used on other highway types.
- 107 Standard:
- 108 02 The sign dimensions prescribed in the sign size tables in the various Parts and
- 109 Chapters in this Manual and in the "Standard Highway Signs and Markings" book (see
- 110 Section 1A.11) shall be used unless engineering judgment determines that other sizes
- are appropriate. Except as provided in Paragraph 3, where engineering judgment
- determines that sizes smaller than the prescribed dimensions are appropriate for use.
- the sign dimensions shall not be less than the minimum dimensions specified in this
- 114 Manual.
- 115 The sizes shown in the Minimum columns that are smaller than the sizes shown in the
- 116 Conventional Road columns in the various sign size tables in this Manual shall only be used
- on low-speed roadways, alleys, private roads open to public travel, and on low-volume rural
- 118 roads with operating speeds of 30 mph or less and where the reduced legend size would be
- adequate for the regulation or warning or where physical conditions preclude the use of
- 120 larger sizes.
- 121 Option:
- 122 on For alleys with restrictive physical conditions and vehicle usage that limits installation of the
- Minimum size sign (or the Conventional Road size sign if no Minimum size is shown), both the sign
- height and the sign width may be decreased by up to 6 inches.
- 125 Section 2A.19 Lateral Offset
- 126 10 On conventional, <u>low-volume rural and special purpose</u> roads in areas where it is impractical
- to locate a sign with the lateral offset prescribed by this Section because of roadside features
- 128 such as terrain, shrubbery and/or trees, a lateral offset of at least 2 feet may be used.

129	Section 2B.01 Application of Regulatory Signs
130 131 132	Standard: 01 Regulatory signs shall be used to inform road users of selected traffic laws or regulations and indicate the applicability of the legal requirements.
133 134 135 136	02 Regulatory signs shall be installed at or near where the regulations apply. The signs shall clearly indicate the requirements imposed by the regulations and shall be designed and installed to provide adequate visibility and legibility in order to obtain compliance.
137 138 139	03 Regulatory signs shall be retroreflective or illuminated (see Section 2A.07) to show the same shape and similar color by both day and night, unless specifically stated otherwise in the text discussion in this Manual for a particular sign or group of signs.
140 141	04 The requirements for sign illumination shall not be considered to be satisfied by street or highway lighting.
142 143 144 145	Support: 05 Section 1A.09 contains information regarding the assistance that is available to jurisdictions that do not have engineers on their staffs who are trained and/or experienced in traffic control devices.
146 147	06 On low-volume rural roads, the need for regulatory signs is limited. Enforcement is a consideration.
148	Section 2B.03 Size of Regulatory Signs
149 150 151 152	Standard: 03 Except as provided in Paragraphs 4 and 5, the minimum sizes for regulatory signs facing traffic on multi-lane conventional roads shall be as shown in the Multi-lane column of Table 2B-1.
153 154 155	The typical size of regulatory signs applied on low-volume rural roads with operating speeds of 30 mph or less shall be in accordance with the minimum column of Table 2B-1.
156	Section 2B.06 STOP Sign Applications
157	Guidance:
158 159	STOP signs should be used if engineering judgment indicates that one or more of the following conditions exist:
160 161 162 163 164 165 166	 A. Intersection of a less important road with a main road where application of the normal right-of-way rule would not be expected to provide reasonable compliance with the law; B. Street entering a through highway or street; C. Unsignalized intersection in a signalized area; and/or D. High speeds, restricted view, or crash records indicate a need for control by the STOP sign.

167 On low-volume rural roads, a STOP sign should be considered at an intersection where 168 engineering judgment indicates that Item A above is applicable or where the intersection has -169 inadequate sight distance for the operating vehicle speeds. 170 Section 2B.09 YIELD Sign Application 171 Option: 172 YIELD signs may be used instead of STOP signs if engineering judgment indicates that one or 173 more of the following conditions exist: 174 A. When the ability to see all potentially conflicting traffic is sufficient to allow a road user 175 travelling at the posted speed, the 85th-percentile speed, or the statutory speed to pass 176 through the intersection or to stop in a reasonably safe manner. 177 B. If controlling a merge-type movement on the entering roadway where acceleration 178 geometry and/or sight distance is not adequate for merging traffic operation. 179 C. The second crossroad of a divided highway, where the median width at the intersection is 180 9 m (30 ft) or greater. In this case, a STOP sign may be installed at the entrance to the 181 first roadway of a divided highway, and a YIELD sign may be installed at the entrance to 182 the second roadway. 183 D. An intersection where a special problem exists and where engineering judgment indicates 184 the problem to be susceptible to correction by the use of the YIELD sign. 185 02 On low-volume rural roads, a YIELD sign may be used at an intersection instead of a STOP 186 sign if engineering judgment indicates that the YIELD would provide adequate control. 187 Section 2C.02 Application of Warning Signs 188 06 Warning signs provided in this Manual cover most of the conditions that are likely to be 189 encountered. Additional warning signs for low-volume roads (as defined in Section 5A.01), 190 temporary traffic control zones, school areas, grade crossings, and bicycle facilities are discussed 191 in Parts 5 6 through 10 9, respectively. 192 Section 2C.04 Size of Warning Signs 193 Standard: 194 01 Except as provided in Section 2A.11, the sizes for warning signs shall be as shown in 195 Table 2C-2. 196 Guidance: 197 The typical size of warning signs used on low-volume rural roads with operating speeds of 198 30 mph or less should be in accordance with the minimum column of Table 2C-2. 199 Support: 200 02 Section 2A.11 contains information regarding the applicability of the various columns in Table 201 2C-2. 202 Section 2C.16 Hill Signs (W7-1, W7-1a) 203 Guidance: 204 01 The Hill (W7-1) sign (see Figure 2C-4) should be used in advance of a downgrade on a 205 freeway, expressway or a conventional road where the length, percent of grade, horizontal 206 curvature, and/or other physical features require special precautions on the part of road users.

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208	Section 2C.20 NARROW BRIDGE Sign (W5-2)
209 210 211 212	Guidance: 01 A NARROW BRIDGE (W5-2) sign (see Figure 2C-5) should be used in advance of any bridge or culvert having a two-way roadway clearance width of 16 to 18 feet, or any bridge or culvert having a roadway clearance less than the width of the approach travel lanes.
213 214	02 Additional emphasis should be provided by the use of object markers, delineators, and/or pavement markings.
215 216 217	Option: 03 A NARROW BRIDGE sign may be used in advance of a bridge or culvert on which the approach shoulders are narrowed or eliminated.
218	04 The NARROW BRIDGE sign may be omitted on low-volume rural roads.
219	Section 2C.21 ONE LANE BRIDGE Sign (W5-3)
220 221 222	Guidance: 01 A ONE LANE BRIDGE (W5-3) sign (see Figure 2C-5) should be used on two-way roadways in advance of any bridge or culvert:
223 224 225 226 227	 A. Having a clear roadway width of less than 16 feet, or B. Having a clear roadway width of less than 18 feet when commercial vehicles constitute a high proportion of the traffic, or C. Having a clear roadway width of 18 feet or less where the sight distance is limited on the approach to the structure.
228 229	02 Additional emphasis should be provided by the use of object markers, delineators, and/or pavement markings.
230	Option:
231 232	The ONE LANE BRIDGE sign may be omitted on low volume rural roads where there is adequate sight distance to the bridge from either approach.
233	Section 2C.XX NO TRAFFIC SIGNS sign (W18-1)
234	<u>Option</u>
235 236 237 238	of A W18-1 warning sign with the legend NO TRAFFIC SIGNS may be used only on low-volume rural roads to advise road users that no signs are installed along the distance of the road. The sign may be installed at the point where road users would enter the low volume road or where, based on engineering judgment, the road user might need this information.
239 240	02 A W7-3aP, W16-2P, or W16-9P supplemental plaque (see Figure 5C-2) with the legend NEXT XX MILES, XX FEET, or AHEAD may be installed below the W18-1 sign when

Page 6of 12

240 241

appropriate.

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243	Section 2D.01 Scope of Conventional Road Guide Sign Standards
244 245 246	Standard: 01 The provisions of this Chapter shall apply to any road or street other than low-volume roads (as defined in Section 5A.01), expressways, and freeways.
247	Section 2D.02 Application
248 249 250 251 252	Support: 01 Guide signs are essential to direct road users along streets and highways, to inform them of intersecting routes, to direct them to cities, towns, villages, or other important destinations, to identify nearby rivers and streams, parks, forests, and historical sites, and generally to give such information as will help them along their way in the most simple, direct manner possible.
253	02 Chapter 2A addresses placement, location, and other general criteria for signs.
254 255	03 Guide signs generally are not used on low-volume rural roads except to guide road users back to the major roadways.
256	Section 2D.36 Destination and Distance Signs
257 258 259 260	Support: 01 In addition to guidance by route numbers, it is desirable to supply the road user information concerning the destinations that can be reached by way of numbered or unnumbered routes. This is done by means of Destination signs and Distance signs
261 262 263	Option: 02 Route shields and cardinal directions may be included on the Destination sign with the destinations and arrows.
264 265 266 267 268	Guidance: 03 If Route shields and cardinal directions are included on a Destination sign, the height of the route shields should be at least two times the height of the upper-case letters of the principal legend and not less than 18 inches, and the cardinal directions should be in all upper-case letters that are at least the minimum height specified for these signs.
269 270 271 272	04 <u>If used, destination names on low-volume rural roads should be as specific and descriptive as possible.</u> Destinations such as campgrounds, ranger stations, and recreational areas should be <u>clearly indicated so that they are not interpreted to be communities or locations with road user services</u>
273	Section 3A.02 Standardization of Application
274 275 276 277 278	Standard: 01 Each standard marking shall be used only to convey the meaning prescribed for that marking in this Manual. When used for applications not described in this Manual, markings shall conform in all respects to the principles and standards set forth in this Manual.
279	Support:

280 02 Typically, pavement markings are not used on low-volume rural roads and special purpose 281 roads. Any markings used, however, should comply with the provisions of this Part. 282 Guidance: 283 02 Before any new highway, private road open to public travel (see definition in Section 1A.13), 284 paved detour, or temporary route is opened to public travel, all necessary markings should be in 285 place. 286 Standard: 287 03 Markings that must be visible at night shall be retroreflective unless ambient 288 illumination assures that the markings are adequately visible. All markings on 289 Interstate highways shall be retroreflective. 290 04 Markings that are no longer applicable for roadway conditions or restrictions and 291 that might cause confusion for the road user shall be removed or obliterated to be 292 unidentifiable as a marking as soon as practical. 293 Option: 294 05 Until they can be removed or obliterated, markings may be temporarily masked with tape that 295 is approximately the same color as the pavement. 296 Section 6A.01 General 297 Support: 298 01 Whenever the acronym "TTC" is used in Part 6, it refers to "temporary traffic control." 299 Standard: 300 02 The needs and control of all road users (motorists, bicyclists, and pedestrians within 301 the highway, or on private roads open to public travel (see definition in Section 1A.13), 302 including persons with disabilities in accordance with the Americans with Disabilities 303 Act of 1990 (ADA), Title II, Paragraph 35.130) through a TTC zone shall be an 304 essential part of highway construction, utility work, maintenance operations, and the 305 management of traffic incidents. 306 Support: 307 03 When the normal function of the roadway, or a private road open to public travel, is 308 suspended, TTC planning provides for continuity of the movement of motor vehicle, bicycle, and 309 pedestrian traffic (including accessible passage); transit operations; and access (and 310 accessibility) to property and utilities. 311 04 The primary function of TTC is to provide for the reasonably safe and effective movement of 312 road users through or around TTC zones while reasonably protecting road users, workers, 313 responders to traffic incidents, and equipment. 314 05 Of equal importance to the public traveling through the TTC zone is the safety of workers 315 performing the many varied tasks within the work space. TTC zones present constantly changing 316 conditions that are unexpected by the road user. This creates an even higher degree of 317 vulnerability for the workers and incident management responders on or near the roadway (see 318 Section 6D.03). At the same time, the TTC zone provides for the efficient completion of whatever 319 activity interrupted the normal use of the roadway. 320 06 Consideration for road user safety, worker and responder safety, and the efficiency of road 321 user flow is an integral element of every TTC zone, from planning through completion. A

322 concurrent objective of the TTC is the efficient construction and maintenance of the highway and 323 the efficient resolution of traffic incidents. 324 07 No one set of TTC devices can satisfy all conditions for a given project or incident. At the same 325 time, defining details that would be adequate to cover all applications is not practical. Instead, 326 Part 6 displays typical applications that depict common applications of TTC devices. The TTC 327 selected for each situation depends on type of highway, road user conditions, duration of 328 operation, physical constraints, and the nearness of the work space or incident management 329 activity to road users. 330 The temporary traffic control for low-volume rural and special purpose roads will 331 generally be minimal, recognizing the lower speeds and traffic volumes. A limited number of 332 signs, maintenance vehicle warning flashers or a single flagger could be adequate for most 333 situations. 334 Section 6F.02. General Characteristics of Signs 335 Standard: 336 09 Except as provided in Section 2A.11, the sizes for TTC signs and plaques shall 337 be as shown in Table 6F-1. The sizes in the minimum column shall only be used on 338 low volume rural roads, and local streets or roadways where the 85th percentile 339 operating speed or posted speed limit is 30 mph or less than 35 mph. 340 Section 7B.01 Size of School Signs 341 Standard: 342 01 Except as provided in Section 2A.11, the sizes of signs and plaques to be used on 343 conventional roadways in school areas shall be as shown in Table 7B-1. 344 02 The sizes in the Conventional Road column shall be used unless engineering 345 judgment determines that a minimum or oversized sign size would be more 346 appropriate. 347 03 The sizes in the Minimum column shall be used only on low-volume rural roads, 348 special purpose roads and or where traffic volumes are low and operating speeds are 349 30 mph or less. mph or lower, as determined by engineering judgment. 350 04 The sizes in the Oversized column shall be used on expressways. 351 Guidance: 352 05 The sizes in the Oversized column should be used on roadways that have four or more lanes 353 with posted speed limits of 40 mph or higher. 354 Option: 355 06 The sizes in the Oversized column may also be used at other locations that require increased 356 emphasis, improved recognition, or increased legibility. 357 o7 Signs and plagues larger than those shown in Table 7B-1 may be used (see Section 2A.11). 358 Section 8B.02 Sizes of Grade Crossing Signs

359 Standard:

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01 The sizes of grade crossing signs shall be as shown in Table 8B-1.

Guidance:

The sign sizes in the minimum column should be used on low-volume rural roads where the operating speed is 30 mph or less and special purpose roads.

Revise the following Sign Size Tables as noted in RED below.

Table 2B-1 Regulatory Sign and Plaque Sizes

		Minimum		
Sign	Code	Conv. Rd	Existing	Proposed
Stop	R1-1	30x30	30x30	30x30
Yield	R1-2	36x36x36	30x30x30	30x30x30
Speed Limit	R2-1	24x30	18x24	18x24
Do Not Pass	R4-1	24x30	18x24	18x24
Pass With Care	R4-2	24x30	18x24	18x24
Keep Right	R4-7	24x30	18x24	18x24
Do Not Enter	R5-1	30x30	-	30x30
No Trucks	R5-2	24x24	-	24x24
One Way	R6-2	24x30	18x24	18x24
NoParking (symbol)	R8-3	24x24	12x12	18x18
No Parking	R8-3a	24x30	18x24	18x24
No Parking (Plaque)	R8-3c,3d	24x18	12x9	18x12
Road Closed d	R11-2	48x30	-	48x30
Rd Closed Local Traffic	R11-3a	60x30	-	60x30
Bridge Out, Local Tr	R11-3b	60x30	-	60x30
Rd Closed to Thru	R11-4	60x30	-	60x30
Weight Limit	R12-1	24x30	-	24x30
Railroad Crossbuck	R15-1	48x9	-	48x9
Number of Tracks	R15-2	27x18	-	27x18

Table 2C-2 Warning Sign and Plaque Sizes

			Minim	um
Sign	Code	Conv. Rd	Existing	Proposed
	W1-			
Horizontal Align.	1,2,3,4,5	30x30	-	24x24
One Dir Arrow	W1-6	48x24	-	36x18
Two Dir Arrow	W1-7	48x24	-	36x18
Chevron Align	W1-8	18x24	-	12x18
Intersection Warn	W2-1,4,5	30x30	24x24	24x24
Stop Ahead	W3-1	30x30	30x30	24x24
Yield Ahead	W3-2	30x30	30x30	24x24
Be Prepared to Stop	W3-4	36x36	30x30	30x30
Road Narrows	W5-1	36x36	30x30	30x30

Narrow Bridge	W5-2	36x36	30x30	30x30
One Lane Bridge	W5-3	36x36	30x30	30x30
Hill	W7-1,1a	30x30	24x24	24x24
XX % Grade	W7-3	24x18	-	24x18
Next XX Miles	W7-3a	24x18	-	24x18
Pavement Ends	W8-3	36x36	30x30	30x30
Truck Crossing	W8-6	36x36	24x24	30x30
Loose Gravel	W8-7	36x36	24x24	30x30
Rough Road	W8-8	36x36	24x24	30x30
Road May Flood	W8-18	36x36	24x24	30x30
Flood Gauge	W8-19	12x72	-	12x72
RR Advance Warning	W10-1	24 Dia	18 Dia	24 Dia
Crossing Warning	W10-2,3,4	30x30	24x24	30x30
Entering/Crossing	W 11 Series	30x30	24x24	24x24
Advisory Speed PI	W13-1	18x18	-	18x18
Dead End/No Outlet	W14-1,2	30x30	24x24	24x24
Dead End/No Outlet	W14-1a,2a	36x8	-	24x6
Supp. Distance Pl	W16-2	24x18	-	18x12
Diagonal Arrow Pl	W16-7p	24x12	-	24x12
Ahead Plaque	W16-9p	24x12	-	24x12
No Traffic Signs	W18-1	-	30x30	30x30

Table 6F-1. Temporary Traffic Control Zone Sign & Plaque Size

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Sign	Code	Conv. Rd.	Existing	Proposed
Stop	R1-1	30 X 30	-	30x30
Stop (On Paddle	R1-1	18 x18	-	18 x 18
Road Work XX Ft	W20-1	36x36	30x30	30x30
Rd Closed				
w/distance	W20-3	36x36	30x30	30 x30
OneLane RD w/Dist.	W20-4	36x36	30x30	30 x30
Flagger	W20-7a	36x36	30x30	30 x30
Workers	W21-1a	36x36	30x30	30x30
Fresh Oil	W21-2	36x36	30x30	24x24
Road Machinery Ahd	W21-3	36x36	30x30	30x30
Shoulder Work	W21-5	36x36	30x30	30x30
Survey Crew	W21-6	36x36	30x30	30x30
Utility Work Ahead	W21-7	36x36	30x30	30x30

Table 7B-1 School Area Sign and Plaque Sizes

			Minimu			
Sign	Code	Conv. Rd.	Existing	Proposed		
School	S1-1	36x36	30x30	30x30		
School Stop Ahd	S3-1	36x36	30x30	30x30		
Sch Bus Turn Ahd	S3-2	36 x36	30 x30	30 x30		

Reduced School

Speed Limit Ahd S4-5,5a 36x36 30x30 30x30

Table 8B-1. Grade Crossing Sign and Plaque Minimum Sizes

			Minin	num
Sign	Code	Conv. Rd.	Existing	Proposed
Stop	R1-1	30 x30	-	30x30
Yield	R1-2	36X36X36	30X30X30	30X30X30
Tracks out of Servic	R8-9	24 X24		24 X 24
Crossbuck	R15-1	48 X 9		48 X 9
No. of Tracks	R15-2P	27 X 18		27 X 18
Exempt	R15-3P	24 X 12		24 X12
Gr Xing Adv Warn	W10-1	36 Dia		24 Dia
Xing & Inter Adv				
Warn	W10-2,3,4	36 X36		30 x 30
Low Ground Clear	W10-5	36 x 36		30 x 30

365 RWSTC VOTE 6-26-13: For: Unanimous

366 RWSTC VOTE: 1-9-14 For: Unanimous

367 Council Vote: 1-10-14 For: Unanimous

368 Against:

369 Abstentions:

C: NCUTCD/June 2013/Pline/Integrate Low Volume Roads 6-26-13 READY FOR SPONSORS, updated 8-24-13 with size chart, revised following sponsor comments 1-9-14, approved by

372 COUNCIL 1-10-14

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