

6540000 MIDBLOCK CROSSWALK ENHANCEMENT ASSEMBLIES
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (5-16-13)

654-3 please add: Install crosswalk enhancement assembly in compliance with the accessible route requirements of the Americans with Disabilities Act Standards for Transportation Facilities. Minimum clearance at crosswalk enhancement assembly shall be no less than 48" and equipment shall not protrude more than 4" into a pedestrian path. Surface in front of each pedestrian pushbutton shall be level and 30"x48" minimum.

Response:

Document modified to include reference to ADA Standards for Transportation Facilities requirements. No need to specify the 30"x48" surface in front of the pushbutton since it is already required per Index 17784, Note 6.

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Comments: (5-20-13)

It appears that Subarticle 654-2.1 should be rolled into Article 654-2 as it is a continuation of the general descriptions of the materials desired and should be included as such. This would provide a smoother introduction of the detailed description of those materials within their own individual subarticle numbers. The first sentence in Subarticle 654-5.4 which reads "A single pedestrian hybrid beacon face consists of 3 signal sections, with a circular yellow signal indication centered below 2 horizontally aligned circular red signal indications" needs to be relocated to Subarticle 654-2.4 as it is providing a description of the required materials and is not a method of measurement. I realize the above suggestions will create the need to renumber all subarticles following the incorporation of 654-2.1 into 654-2, but feel the above suggestions will make this new specification more compliant within the specification development process, more understandable to all designers and more user friendly during contract administration. Thank you for the opportunity to comment of this newly proposed specification.

Response:

Subarticle 654-2 reformatted as suggested. Physical characteristics of signal assembly are prescribed in the MUTCD and sufficiently covered by existing reference to such. Since the assemblies defined in the MUTCD as being constructed using individual signal sections in a particular arrangement, the additional language regarding construction is not necessary in the method of measurement. Since measurement and payment for vehicular signal assemblies is effective and deals with a very similar device, the method of measurement language in this section has been modified to closely resemble similar content in Section 650.

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Comments: (5-30-13) Under 654-5.4, "The assembly includes the 3-sections, signal, hardware, and backplate.", change "3-sections, signal" to "3-section signal".

Response:

See previous comment response. Description of assembly no longer appears as previously written.

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Comments: (6-4-13) There is no mention of providing the electrical service for the lights if the plans doesn't call for solar powered lights.

Response:

The intent is to require that electrical service be paid for separately and in accordance with Section 639 when required. The electrical service should be shown in the plans. Currently, the specification allows either solar or line power for any of these treatments. However, in-roadway lights and the Hybrid pedestrian beacon systems are almost always going to be line powered, while RRFBs are predominantly solar.

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Comments: (6-12-13)

654-2.3.1 Where will the pushbuttons for activation in lieu of passive detection be mounted? What if a breakaway base is needed? 11860 for single column signs does not indicate a provision for electrical devices. Suggest including this in the Standard Index rather than trying to describe here in words. Warranty requirements specify providing replacements but does not mention installation, should make it clear that this includes installation along with any needed MOT at no cost to DOT if that is intent.

Response:

1.) The reference to 11860 is to ensure that signage, sign posts, and attachment hardware conform to applicable minimum requirements for such. Likewise, we believe that Section 665 and Index 17787 sufficiently address requirements for pushbuttons. We do not believe that a new Index to detail these treatments is absolutely necessary in order to implement these specifications at this time.

2.) The warranty only requires that a transferable warranty for defective parts and equipment

within the warranty period be provided by the manufacturer. Installation, MOT, and other costs that would be associated with repair or replacement are outside the scope and intent of these warranty requirements.
