

SECTION S414 - RAISED CROSSWALK

S414-1 DESCRIPTION

Work consists of construction of raised crosswalk, as required in Contract Documents and as directed by Project Manager.

References to NYSDOT specifications are to be in accordance with latest edition of *NYSDOT Standard Specifications (US Customary Units)*.

S414-2 MATERIALS

S414-2.01 Asphalt

Asphalt pavement is to be 9.5 F2 top course HMA 80 series compaction in accordance with NYSDOT Section 402 Hot Mix Asphalt (HMA) Pavements.

S414-2.02 Tack Coat

Tack coat is to be diluted or straight tack coat mix in accordance with Section S407 Tack Coat.

S414-2.03 Striping

Striping is to be 65 mils thick 12 inch wide overlaid white plastic preformed permanent pavement marking tape material in accordance with appropriate specification under MCDOT Section 686 Traffic specifications.

S414-2.04 Signage

Sign is to be W8-1 BUMP temporary warning sign mounted on fixed temporary sign support and are to be in accordance with NYSDOT Section 619 Work Zone Traffic Control.

S414-3 CONSTRUCTION DETAILS

S414-3.01 General

Minimum of 5 days prior to commencing construction of raised crosswalk, Contractor is to provide written notification of planned work to Project Manager. Project Manager will in turn notify Office of Emergency Services, local City NSC Office, City School District and any other interested parties that installation of raised crosswalk is scheduled to take place.

During raised crosswalk construction street can be temporarily closed on daily basis during working hours only. Street must be open and fully accessible to vehicular traffic daily outside of working hours. Street closure is to be done with use appropriate traffic control signs and devices required to maintain and protect traffic, as directed by Project Manager and in accordance with NYSDOT Section 619 Work Zone Traffic Control.

Adjacent areas disturbed or damaged during construction must be restored within 15 working days after construction of raised crosswalk.

S414-3.02 Signage

Contractor is to contact MCDOT Monday through Friday, between hours of 9:00AM and 3:00PM, (585) 753-7733, minimum of 6 weeks prior to commencing construction of raised crosswalk.

Contractor is to install temporary signage minimum of 10 days prior to commencing construction of raised crosswalk. MCDOT will install permanent signage sometime after completion of raised crosswalk.

Install temporary signage consisting of BUMP warning sign mounted on fixed temporary sign support in accordance with NYSDOT Section 619 Work Zone Traffic Control. Signage is to be provided at each raised crosswalk location, one set in each direction, and covered until raised crosswalk has been constructed. Signage is to remain in place and be maintained in good condition until MCDOT installs permanent signage. After permanent signage has been installed, Contractor is to remove temporary signage.

Install sign post sleeve in locations where speed hump signage will fall within paved area.

S414-3.03 Raised Crosswalk Installation - General

Raised crosswalk is to be constructed of asphalt top course, across full width of existing pavement, from face of curb to face of curb.

Use any method necessary to form parabolic shape and to achieve proper height of raised crosswalk. Recommended method for forming parabolic shape of approach ramps is to construct template from minimum 16 foot long wooden 2x10, cut into basic parabolic shape of approach ramp, leaving flat area at each end of template. To stiffen template and minimize any bending of template, attach aluminum or steel channel section to top portion of template. During compaction it may be necessary to remove excess asphalt material, or place additional asphalt material.

Do not perform final rolling operation until proper parabolic shape of approach ramps has been verified in accordance with Subsection S414-3.06 Construction Performance Standards.

Pavement markings are to be installed using overlay method and as recommended by manufacturer.

S414-3.04 Raised Crosswalk (Existing Pavement)

In area where raised crosswalk is to be constructed, mill existing pavement minimum 1 inch deep, thoroughly clean pavement surface, and apply tack coat making sure to completely cover surface area. Tack coat must be applied before placement of any new asphalt material, and between any and all subsequent asphalt courses.

S414-3.05 Raised Crosswalk (New Pavement)

Finish paving street with asphalt top course up to outer most limits of raised crosswalk approach ramps before constructing raised crosswalk section. Raised crosswalk is to be constructed on top of binder course. Thoroughly clean pavement surface, and apply tack coat making sure to completely cover surface area. Tack coat must be applied before placement of any new asphalt material, and between any and all subsequent asphalt courses.

If Contractor elects to, or inadvertently, paves entire street without making allowances for raised crosswalk construction, raised crosswalk is to be constructed in accordance with Subsection S414.3.04 Raised Crosswalk (Existing Pavement), except written notification will not be required.

S414-3.06 Construction Performance Standards

Cross section and profile of raised crosswalk are to be surveyed to verify that parabolic shape of approach ramps has been constructed properly and falls within required tolerance range.

Raised crosswalk will be acceptable only if parabolic shape of approach ramps is within range of +0.03 and -0.06 feet of required theoretical elevations. Take any steps necessary to correct any deficiencies that fall outside of required tolerance range.

S414-4 METHOD OF MEASUREMENT

Quantity to be measured for payment will be number of raised crosswalks constructed.

S414-5 BASIS OF PAYMENT

S414-5.01 General All Items

Unit price bid for all items includes cost of: notifying and coordinating with Monroe County Traffic Engineering for signage installation; cleaning pavement; additional pavement preparation; and furnishing all labor, material and equipment necessary to complete work.

Restoration of adjacent areas disturbed or damaged during construction; furnishing and installing sign post sleeves, pavement markings; and maintenance and protection of traffic will be paid for under separate bid items.

S414-5.02 Signage

Furnishing, installing, maintaining and removing temporary signage will be paid for under lump sum bid item for Basic Work Zone Traffic Control per NYSDOT Section 619 Work Zone Traffic Control.

S414-5.03 Raised Crosswalk (Existing Pavement)

Unit price bid also includes cost of: saw cutting; milling; furnishing and installing asphalt; template; tack coat; construction of raised crosswalk and approach ramps; survey of cross-section and profile to verify parabolic shape of approach ramps for quality control measures; correction of any deficiencies that fall outside of required tolerance range.

S414-5.04 Raised Crosswalk (New Pavement)

Unit price bid also includes cost of: furnishing and installing asphalt; template; tack coat; construction of raised crosswalk; survey of cross-section and profile to verify parabolic shape of approach ramps for quality control measures; correction of any deficiencies that fall outside of required tolerance range.

Payment will be made under:

ITEM NO.	ITEM	PAY UNIT
S414.01	Raised Crosswalk (Existing Pavement)	Each
S414.02	Raised Crosswalk (New Pavement)	Each

REVISED December 1, 2015