08/26/2024

650-fp14.docx

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| --- |
| Use on all projects using pay item 65001-1000 *Construct and Maintain Diversion.* Revise the SCR to fit project-specific requirements. |

Add the following Section:

**Section 650. – CONSTRUCT AND MAINTAIN DIVERSION**

**Description**

**650.01** This work consists of designing, constructing, maintaining, and removing temporary traffic diversions.

**Material**

**650.02** Conform to the following Sections and Subsection:

Minor crushed aggregate 302

Culverts and drains 602

Water 725.01

**Design Requirements**

Revise yellow highlighted areas below to fit the project-specific conditions. Consider adding more detailed design requirements for curve widening or superelevation for higher speed or higher volume roadways.

**650.03 Design.** Design temporary traffic diversions conforming to Table 650-1. Maintain alternate one-way or two-way traffic. Design temporary traffic diversions to fit within the construction limits shown in the plans.

**Table 650-1**

**Design Requirements for Temporary Traffic Diversion**

|  |  |
| --- | --- |
| **Criteria** | **Requirement** |
| Design speed | 25 mph |
| Superelevation | 2 % normal crown, 6 % maximum |
| Lane width | See Subsection 156.07(c).Provide additional width on horizontal curves as needed to accommodate public traffic. |
| Horizontal curve radius | 144 feet minimum |
| Vertical grade | 11 % maximum |
| Vertical curve length | 50 feet minimum |
| Structural section | 2 inches asphalt over 4 inches crushed aggregate |
| Embankment slope | 1V:2H or flatter |

**650.04 Submittals.** At least 14 days before starting temporary traffic diversion work, submit the following according to Subsection 104.03:

1. Plan and profile drawings showing the horizontal and vertical alignment, superelevation design, edge of roadway, and limits of construction;

**(b)** Typical section drawing, including structural section information; and

**(c)** Description of roadway design standards used.

**Construction Requirements**

**650.05 General.** Complete construction of the temporary traffic diversion before use by public traffic.

Delete the yellow highlighted sentence if the temporary traffic diversion does not need to be paved.

Install erosion and sediment control devices according to Section 157. If required, construct temporary stream diversion according to Section 157. Perform earthwork according to Section 204. Place crushed aggregate according to Section 302. Place asphalt according to Section 403.

Provide temporary traffic control according to Section 635.

**650.06 Maintenance.** Maintain the temporary traffic diversion, including erosion and sediment control and temporary traffic control, the entire time it can be used for public traffic.

**650.07 Removal.** Remove the temporary traffic diversion to approximate original or planned contours once the mainline is open to the public and can accommodate two-way traffic. Dispose of unsuitable or excess material according to [Subsection 203.05](#_Toc131713276).

**650.08 Acceptance.** Design, construction, maintenance, and removal of the temporary traffic diversion will be evaluated under Subsections 106.02 and 106.04.

Delete the yellow highlighted sentence if the temporary traffic diversion does not need to be paved.

Asphalt will be evaluated under Section 403.

Crushed aggregate will be evaluated under Section 302.

Erosion and sediment control will be evaluated under Section 157.

Roadway excavation and embankment will be evaluated under Section 204.

Temporary stream diversion will be evaluated under Section 157.

Temporary traffic control will be evaluated under Section 635.

**Measurement**

**650.09** Measure the Section 650 pay items listed in the bid schedule according to Subsection 109.02.

Do not measure individual items required to design, construct, maintain, and remove the temporary traffic diversion for payment.

**Payment**

**650.10** The accepted quantities will be paid at the contract price per unit of measurement for the Section 650 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Progress payments will be paid as follows:

**(a)** 50 percent of the pay item amount will be paid after installation.

**(b)** The remaining portion of the pay item amount will be paid after the temporary traffic diversions are removed from the project.

Payment for all or part of this item may be retained if the temporary traffic diversion is not adequately maintained.

Include if the plans DO include a project specific temporary traffic diversion design. Use pay item 65001-1000 Temporary Traffic Diversion. Revise the SCR to fit project-specific requirements.

Add the following Section:

**Section 650. – CONSTRUCT AND MAINTAIN DIVERSION**

**Description**

**650.01** This work consists of constructing, maintaining, and removing temporary traffic diversions.

**Material**

**650.02** Conform to the following Subsection:

Water 725.01

**Construction Requirements**

**650.03 General.** Complete construction of the temporary traffic diversion before use by public traffic.

Delete the yellow highlighted sentence if the temporary traffic diversion does not need to be paved.

Install erosion and sediment control devices according to Section 157. If required, construct temporary stream diversion according to Section 157. Perform earthwork according to Section 204. Place crushed aggregate according to Section 302. Place asphalt according to Section 403.

Provide temporary traffic control according to Section 635.

**650.04 Maintenance.** Maintain the temporary traffic diversion, including erosion and sediment control and temporary traffic control, the entire time it can be used for public traffic.

**650.05 Removal.** Remove the temporary traffic diversion to approximate original or planned contours once the mainline is open to the public and can accommodate two-way traffic. Dispose of unsuitable or excess material according to [Subsection 203.05](#_Toc131713276)

**650.06 Acceptance.** Construction, maintenance, and removal of the temporary traffic diversion will be evaluated under Subsections 106.02 and 106.04.

Delete the yellow highlighted sentence if the temporary traffic diversion does not need to be paved.

Asphalt will be evaluated under Section 403.

Crushed aggregate will be evaluated under Section 302.

Erosion and sediment control will be evaluated under Section 157.

Roadway excavation and embankment will be evaluated under Section 204.

Temporary stream diversion will be evaluated under Section 157.

Temporary traffic control will be evaluated under Section 635.

**Measurement**

**650.07** Measure the Section 650 pay items listed in the bid schedule according to Subsection 109.02.

Do not measure individual items required to construct, maintain, and remove the temporary traffic diversion for payment.

**Payment**

**650.08** The accepted quantities will be paid at the contract price per unit of measurement for the Section 650 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Progress payments will be paid as follows:

**(a)** 50 percent of the pay item amount will be paid after installation.

**(b)** The remaining portion of the pay item amount will be paid after the temporary traffic diversions are removed from the project.

Payment for all or part of this item may be retained if the temporary traffic diversion is not adequately maintained.