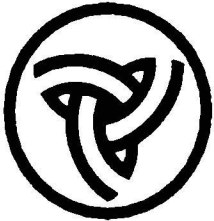


TRANSPORTATION BULLETIN



Illinois Department of Transportation

ADDENDUM NO. 1

Dated: March 5, 2012

For: Transportation Bulletin

Letting Date: March 9, 2012

Volume 15, No. 05r

Dated: February 3, 2012

REVISED: February 28, 2012

Item No. 4A – Relocate Roads in RSA

Lawrenceville-Vincennes Airport (LWV)

Lawrenceville, Illinois

Lawrence County

IL Project No.: **LWV-3870**

AIP Project No.: 3-17-0061-B16

Contract No.: **LW024**

REASON FOR ADDENDUM:

The Backfill Requirements for the Special Structure have been modified.

TO ALL PLAN HOLDERS:

Attached are revised Pages 23 and 24 for the project Special Provisions. The backfill material has been modified to require a CA-6 or CA-10 crushed aggregate conforming to Article 1004.01.a.4 of the IDOT Standard Specifications.

REVISE SECTION III OF THE STANDARD SPECIFICATIONS

ITEM AR752850 SPECIAL STRUCTURE, Article 6.3, pgs. 23 – 24, as follows:

Replace Pages 23 and 24 with the attached REVISED pages 23 and 24.

@ 27	13.76	14.33	15.16	16.19	17.36	17.48
@ 18	20.09	20.56	20.79	21.30	21.74	22.58
@ 9	32.24	34.35	36.46	38.54	39.88	40.63

4.2 **Aluminum Alloy - Plate:** Plates shall be fabricated from 5052-H141 aluminum alloy conforming to AASHTO M219 or ASTM B209

4.3 **Aluminum Alloy – Ribs:** Ribs shall be fabricated from 6061-T6 aluminum alloy.

4.4 **Fasteners:**

4.4.1 Steel Nuts and bolts shall conform to AASHTO M232 and M291 or ASTM A307, Grade A (bolts) and A563, Grade A (nuts).

4.4.2 Aluminum nuts and bolts (if required) shall conform to ASTM B746. The structural design shall conform to the provisions of AASHTO Standard Specifications for Highway Bridges Section 12.6.2.

5.0 FABRICATION AND QUALITY CONTROL

5.1 Final manufacturing processes including corrugating, punching, curving, special fabrication and optional zinc priming shall be performed in the United States of America at a common location.

5.2 All raw materials shall be domestic and certification of origin in the United States of America.

5.3 All raw materials shall be traceable and certified by the mill for material composition and physical properties.

5.4 If required, welds shall be in accordance with AWS D1.2.

6.0 INSTALLATION

6.1 **Assembly:** The structure shall be assembled in accordance with the shop drawings and plate layout provided by the manufacturer. Bolts shall be tightened to an applied torque between 100 and 150 ft-lbs.

6.2 **Installation:** The structure shall be installed in accordance with AASHTO Standard Specifications for Highway Bridges Section 26 or ASTM A807, the plans and specifications, and the manufacturer's recommendations.

(a) The Contractor shall provide footings as required per the plans and specifications and the manufacturer's recommendations.

(b) The Contractor shall provide proper bedding and backfill to avoid distortion that may create undesirable stresses in the structure and/or settlement of the roadway. The bedding shall be free of rock formations, protrusions, frozen material or organic material.

6.3 **Backfill:** The structure shall be backfilled using CA-6 or CA-10 crushed aggregate conforming to Article 1004.01.a.4 of the IDOT Standard Specifications.

Backfill shall be placed in symmetrical lifts on each side of the structure. The differential between the lifts on either side shall not exceed 24 inches. Each layer of backfill shall be placed in 8 inch

loose lifts and compacted to a minimum of 95% density per AASHTO T99 or ASTM D698 (Standard Proctor). The moisture content of the backfill material shall not exceed 110 percent of optimum. The contractor is required to provide the Proctor information for the backfill material to the Resident Engineer and shall be an incidental cost to the contract.

During backfilling operations, only small tracked construction equipment (such as a D-4 dozer or smaller) shall be near the structure as fill progresses above the crown and to the minimum height of cover. After adequate cover and compaction is achieved, live loads may increase at the direction of the Engineer.

BASIS OF PAYMENT

This work will be paid for at the contract unit bid price per each for Special Structure. Said price and payment shall constitute full compensation for constructing the metal arch culvert, including headwalls, foundations, and bedding; for all excavating and backfilling, for furnishing all earth and backfill material, materials, labor, tools, equipment, and incidentals necessary to complete this item of work.

Payment will be made under:

Item AR752850 Special Structure - per each