

APPENDIX A
Description of Materials, Supplies Equipment and Bid Price
SCHEDULE OF ITEMS

Materials: Fabricate and deliver the typical materials listed below per your design based on the parameters specified on plan page 1 and in the contract documentation. The following materials are to be fabricated and delivered under this Contract.

18 W6 x 25 Rolled Steel Beams (Galvanized)

6 19' – 10" by 9' – 6" Panels of:

5-Inch 4-Way Modified Open Grid Steel Deck (Galvanized) as manufactured by the L.B. Foster Company, 1016 Greentree Road, Pittsburgh, Pennsylvania 15220 – Phone (412) 928-3452 & Fax (412) 928-3514. The deck shall be manufactured from the following steel elements:

STEEL	DIMENSION/SPECS
Main Beam (MB) @ 7.5" c/c	5 3/16" deep special rolled beam x 5.3#/LF
Cross Bar (C'Bar) @ 4" c/c	2 1/2" x 1/4" flat bar
Diagonal Bar (2 between each main bar)	1" x 1/4" (minimum) flat bar
Supplemental Bar @ 7.5" c/c	1" x 1/4" (minimum) flat bar
Steel Specification	All steel shall be 50 ksi (A709 Gr. 50 / A-572)

All elements shall be serrated on their top surfaces. Serration pattern shall be @ 1" c/c (max.). where possible. The new uncoated deck shall provide a skid resistance number (SN) of 53 @ 40 mph when tested in accordance with ASTM E274.

The deck shall be assembled such that the tops of all elements are in the same plane and notching (other than serration) of the main bar top flange shall not be permitted. Two tertiary diagonal bars shall be provided between each grid main beam to provide a diagonal style riding surface. Notching the bottom of the cross bar or substitution of a rectangular patterned grid is not permitted.

The grid shall be welded at all intersections using the manufacturers standard welding process. The grid shall be manufactured and designed to provide the properties indicated in the 5-Inch 4-Way Properties Table 5.4-M

Finish: Hot dipped galvanized for 50 ksi steel – note that distortion from galvanizing will occur, request manufacturer's tolerances.

5-Inch 4-Way Modified – Properties Table 5.4-M

Style/Main Beam Size & Spacing	Section Modulus (in ³ /ft)*		50 ksi Steel Max Continuous Clear Span HS 25 Wheel Load		Approximate** Weight (lbs/SF)
	Top	Bottom	L/800 Deflect	27 ksi Stress	
4 Way M / 5.3# @ 7.5"	4.038	4.321	4.81 ft.	6.71 ft.	18.5

* Section modulus based on 50% of the diagonal bars active.

** The deck weight psf is based on an uncoated standard panel width of 7'-8", actual weights may vary due to panel widths used, coating weight and deck attachments.

The structural steel must meet the requirements of State of Maine, Department of Transportation, Plans, Standard Specifications, Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, and Contract Agreement.

The Contractor shall deliver the products FOB to the Fort Kent Maintenance Lot at 14 Mills Road in Fort Kent, Maine, 0.1 miles W of Route 161.

The Contractor shall provide the Department with a 5 calendar day notice prior to start of production. (Call Brent Snowden @ 207-624-3586 or cell 207-592-3437.)

Delivery of finished product shall be on or before October 5, 2012. Delivery notification will be given 24 hours prior to the Department. Joe Tedford, Bridge Transportation Operations Manager of Region 5 Headquarters, cell phone 207-592-3576 or 207-532-9874 will schedule personnel at the site to unload. The Department will off-load the steel pieces at the delivery site. Substitute contacts are: Brent Snowden @ 207-592-3437 or Jeff Naum @ 207-446-1235.

Structural Steel - Fabrication and Delivery	1 lump sum	Price \$ _____
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