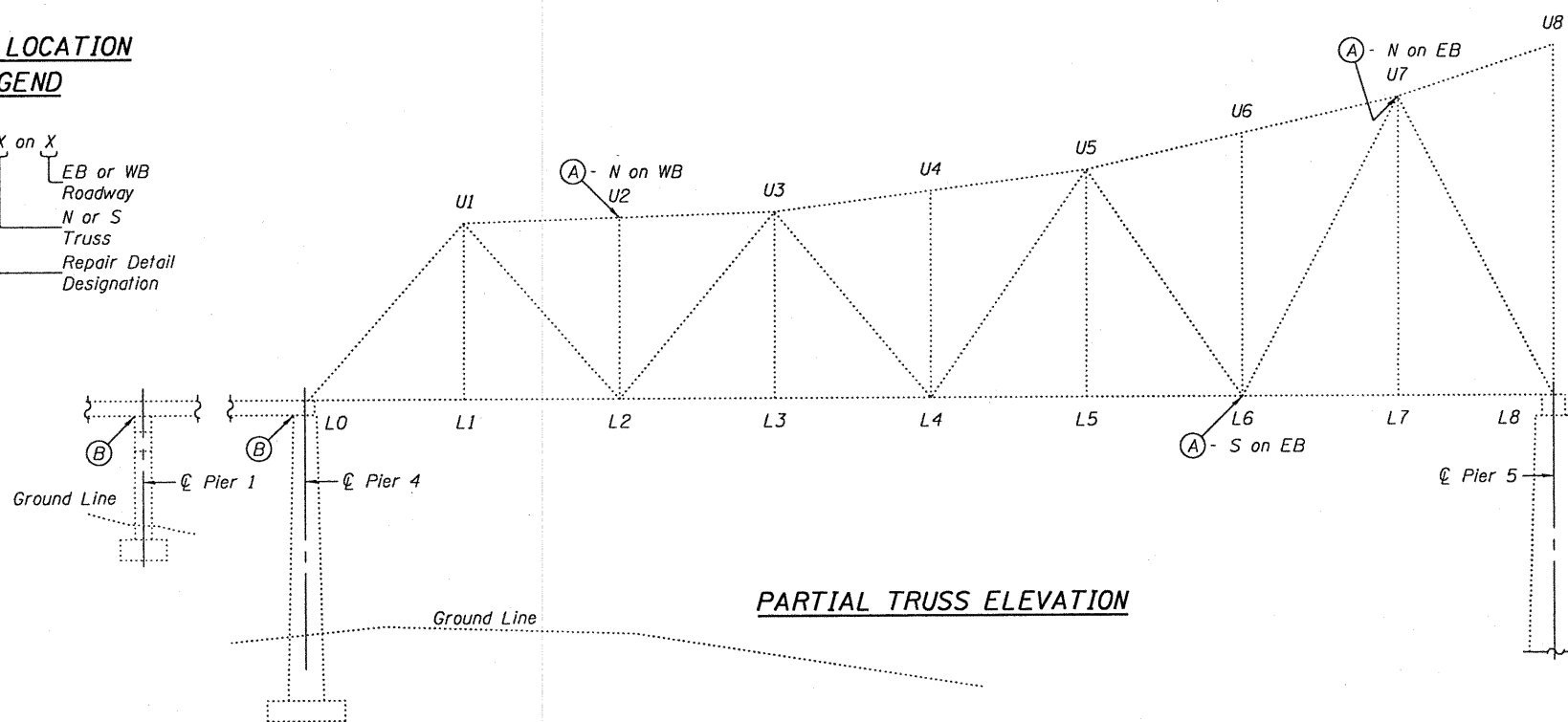
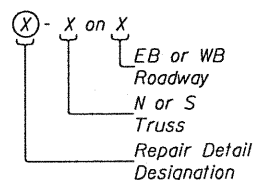


GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 Fasteners shall be high strength bolts. Bolts $7/8"$ ϕ , open holes $15/16"$ ϕ , unless otherwise noted.
 The Contractor shall grind all cracked welds parallel to the direction of the existing weld and not perpendicular to the weld.
 Grind existing nicks, gouges and shallow cracks in the damaged beams as detailed. Grinding shall be done parallel to the longitudinal axis of the member. Ground surfaces shall be inspected for cracks using dye penetrant or magnetic particle testing prior to initiating any beam straightening operations. Any cracks that cannot be removed by grinding approximately $1/4"$ deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. Ground surfaces shall be spot cleaned and painted with an aluminum epoxy mastic primer followed by a finish coat to match the color of the existing beam. Cost of grinding, testing and spot painting included with Structural Steel Repair.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.
 Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
 All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type I. Cost included with Structural Steel Repair.

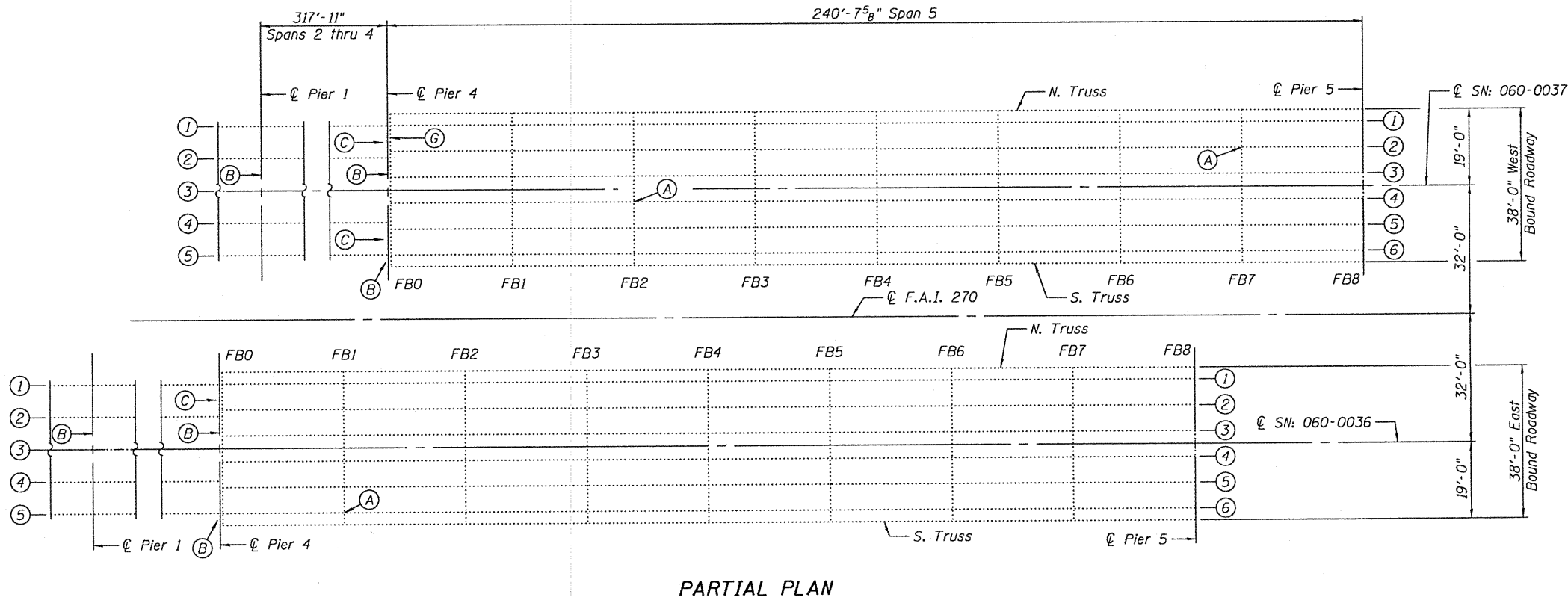
REPAIR LOCATION LEGEND



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	1,000
*Jacking Existing Superstructure	L.S.	1
Structural Repair of Concrete (Depth $\leq 5"$)	S.F.	185.1

*Jack existing superstructure to provide a minimum of $1/8"$ gap at the beams at locations shown on sheet 4 of 6.



Expires: November 30, 2012

DESIGNED - Adrian T. Holloway	EXAMINED - <i>de Carl Puyes</i>	DATE - NOVEMBER 22, 2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAN AND ELEVATION SN 060-0036 & 0037 SHEET NO. 1 OF 6 SHEETS	F.A.I. RTE. 270	SECTION 60-1B-1-4	COUNTY Madison	TOTAL SHEETS 9	SHEET NO. 4
CHECKED - <i>Alan...</i>	PASSED - <i>Ralph E. Anderson</i>						CONTRACT NO. 76E58	
DRAWN - Drew Christopher								
CHECKED - <i>A-T-H</i>								

ILLINOIS FED. AID PROJECT