

Existing structure: Built 1928 as a single 12' x 12' box culvert, skewed 35° right, under 1.8' of fill, with vertically cantilevered wingwalls on "L" type footings.

The tipping wingwalls shall be stabilized with sheet piling.
Riprap shall be placed at both ends to raise the degraded streambed to the culvert bottom slab.

GENERAL NOTES

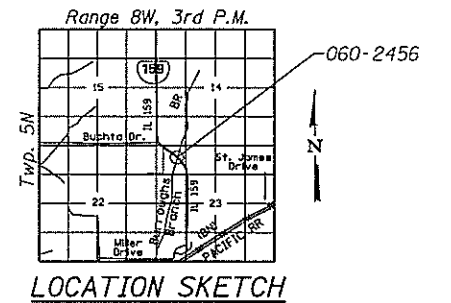
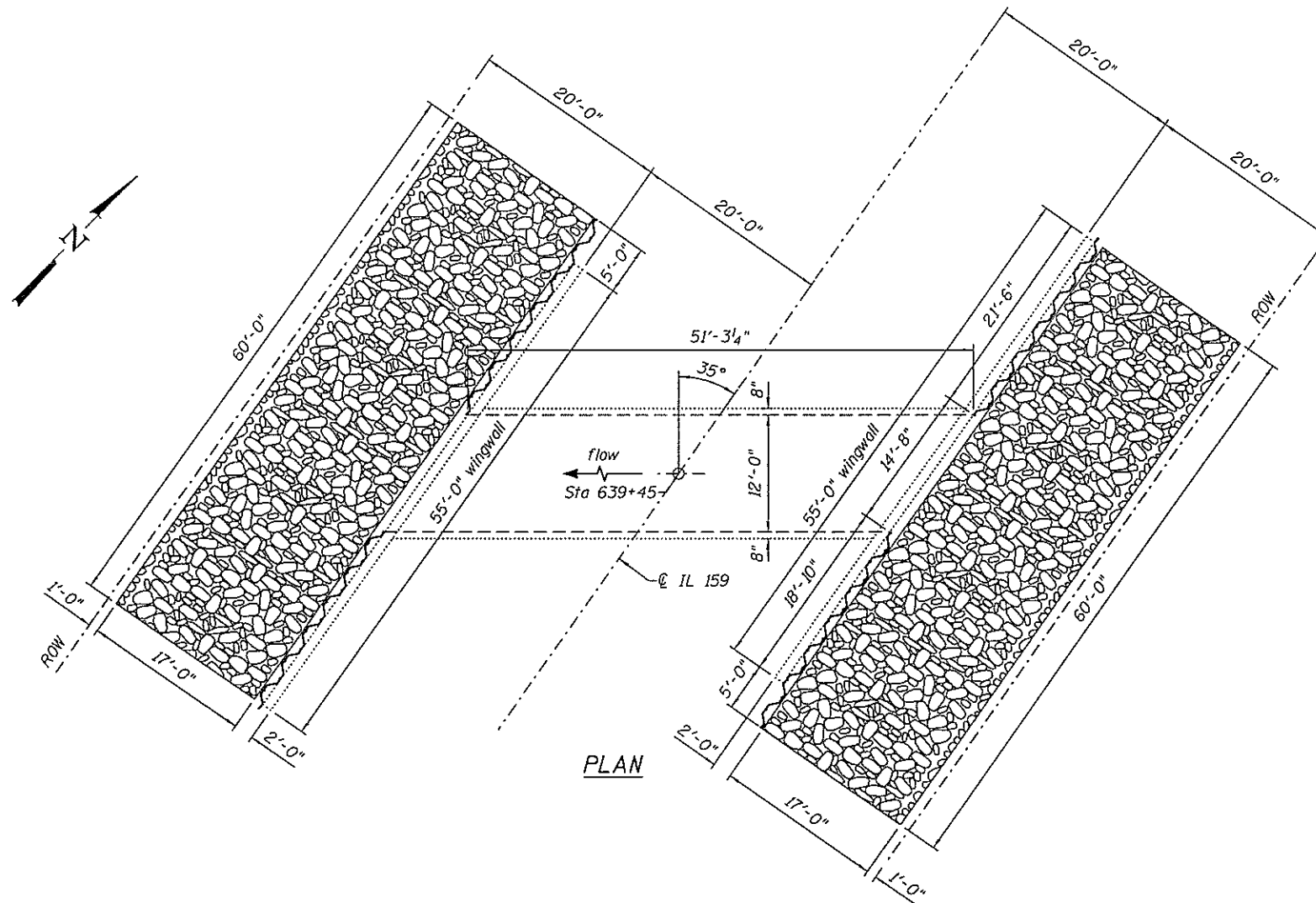
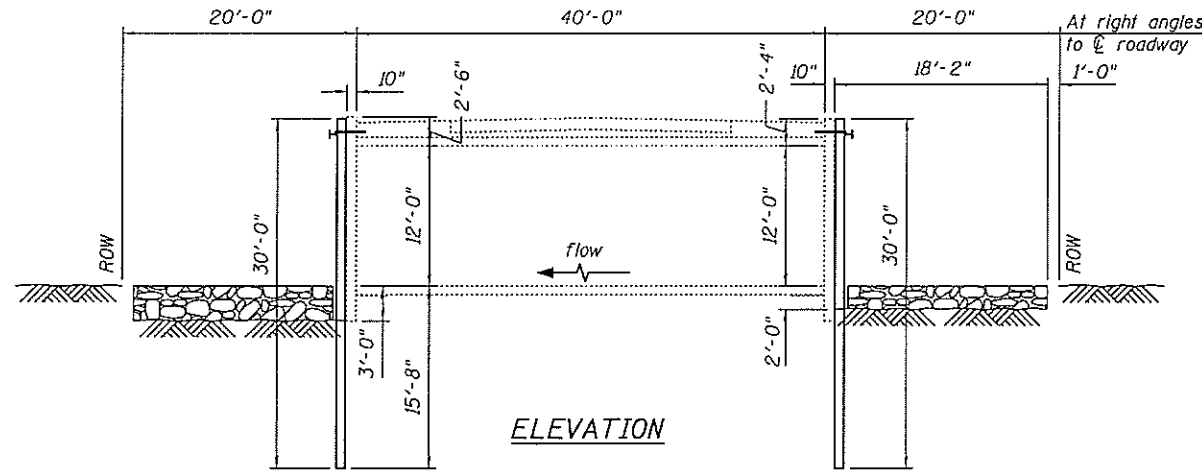
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

The cost for the threaded rods, brackets, channel, wood blocking, and all other hardware required to install the sheet piling shall not be paid for separately, and is included with the cost of "Permanent Steel Sheet Piling".

The quantity for "Structural Repair of Concrete (Depth < 5") is for the bottom 1' of both sidewalls, full length.

Sheet piling minimum section modulus = 15 cu.in. per foot.

The threaded rods, brackets, nuts, and washers shall be galvanized according to AASHTO M111 or MM232 as applicable.



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Dumped Riprap, Class A4	Sq. Yd.	276
Permanent Steel Sheet Piling	Sq. Ft.	1,360
Concrete Structures	Cu. Yd.	26.0
Structural Repair of Concrete (Depth < 5")	Sq. Ft.	103

DESIGNED - J. Uehle
 CHECKED - C. Sanders
 DRAWN - J. Uehle
 CHECKED - C. Sanders

EXAMINED
 ENGINEER OF STRUCTURAL SERVICES
 PASSED
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - 2/14/14
 REVISED
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

060-2456
PLAN AND ELEVATION

SHEET NO. 1 OF 2 SHEETS

F.A.P. RTE. 604	SECTION (103,125)RS-2, 125-BR-2	COUNTY Madison	TOTAL SHEETS 46	SHEET NO. 44
CONTRACT NO. 76G25				
ILLINOIS FED. AID PROJECT				