

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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7	Pier Bearings
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SHEET 1
OF 9

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	60-10B	MADISON	156	98
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76657				

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to routine 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 based upon the unit price bid for the work.

All epoxy grouted bars shall have a minimum embedment as shown on the plans and shall be placed according to Section 584 of the Standard Specifications. Cost of hole drilling and epoxy grouting is included with "Reinforcement Bars, Epoxy Coated".

All structural steel shall be AASHTO M 270 Grade 36, unless noted otherwise. Field welding of construction accessories will not be permitted to beams or girders.

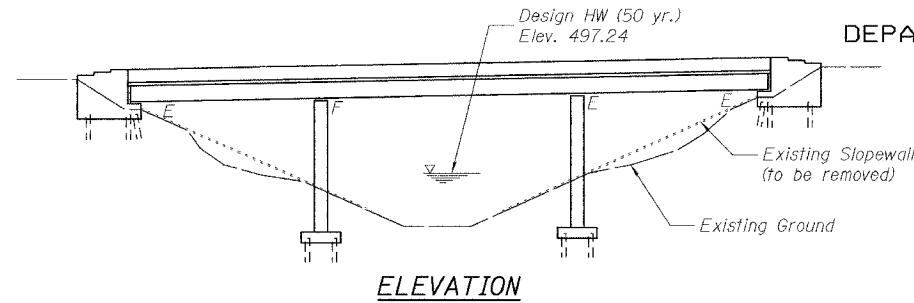
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project. The existing structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M300, Type 1. Field painting of structural steel shall be done under a separate painting contract.

Prior to pouring the new concrete deck, all loose rust, loose mill scale and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04 of the Standard Specifications.

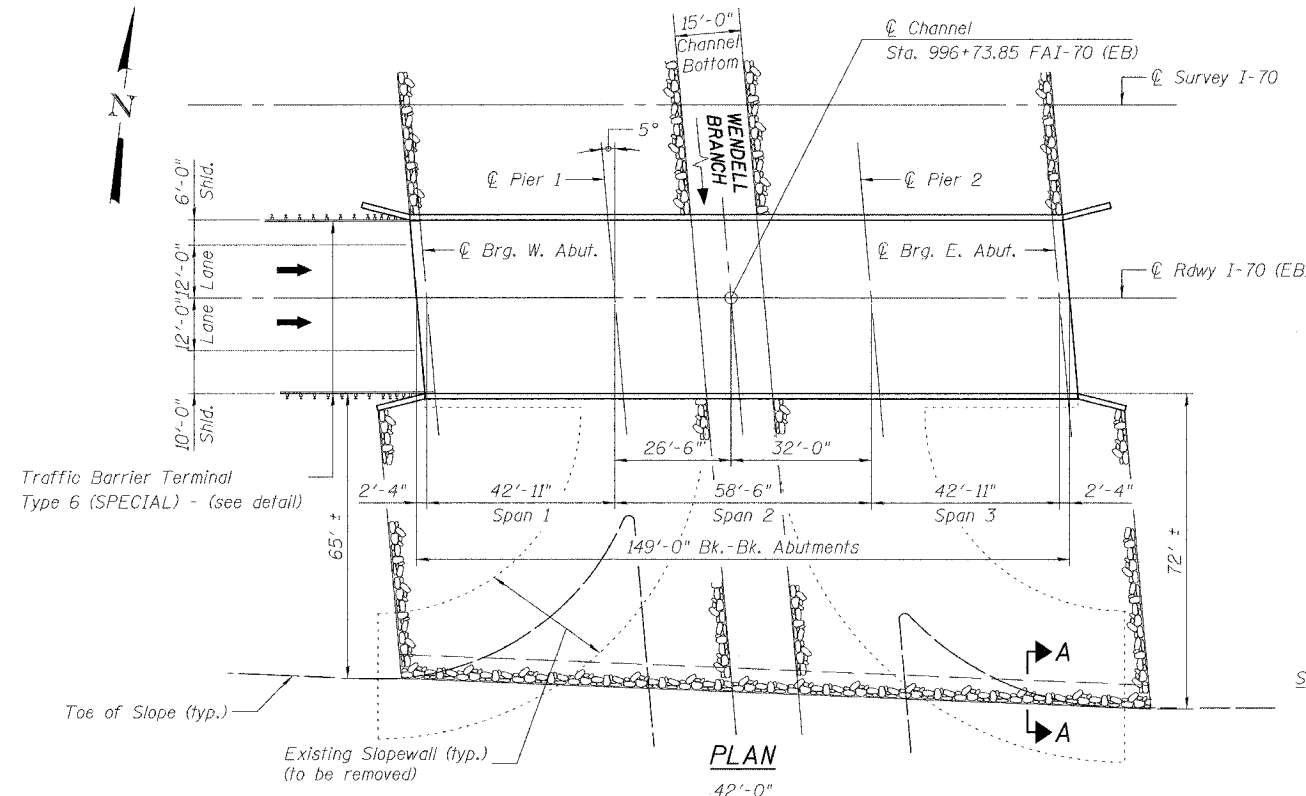
A Protective Coat shall be applied to the surfaces of the deck and parapets, including the wings.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

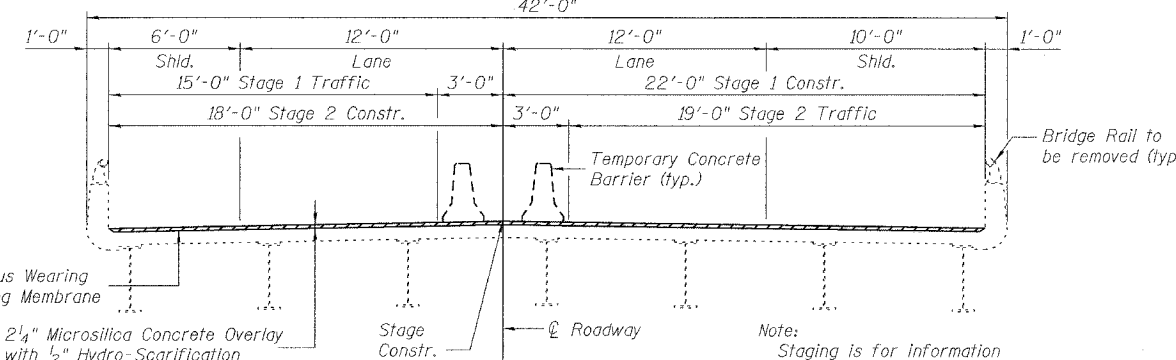
The severely eroded areas beneath the existing slope wall shall be backfilled after removing the slope wall and prior to installing the riprap filter fabric. The suitable material excavated to install the riprap shall be used as backfill for the eroded areas, and the cost of excavation and backfill installation shall be included in the Stone Riprap pay item. If additional backfill material is required then it shall be paid for as "Furnished Excavation".



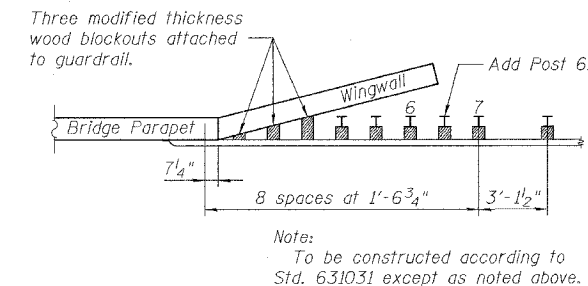
ELEVATION



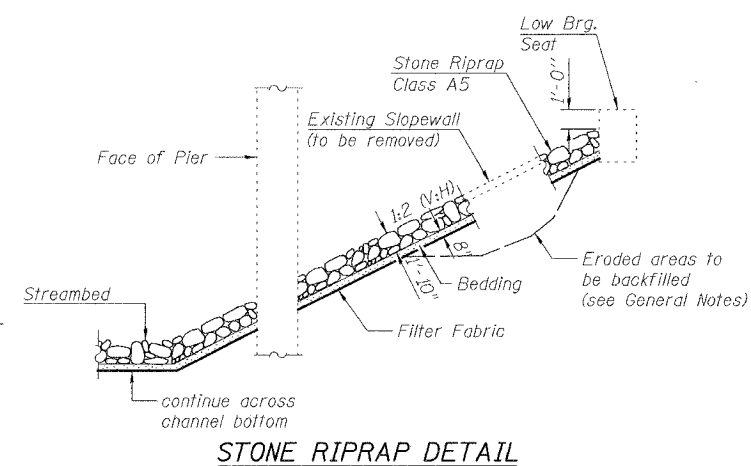
PLAN



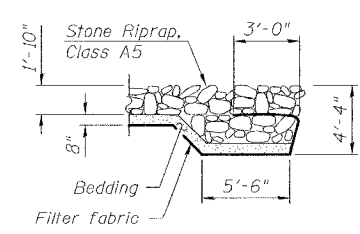
CROSS SECTION
(Looking East)



TRAFFIC BARRIER TERMINAL
TYPE 6 (SPECIAL)



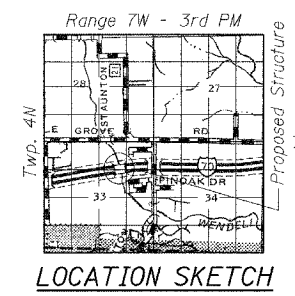
STONE RIPRAP DETAIL



SECTION A-A

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Furnished Excavation	Cu Yd	--	25	25
Stone Riprap, Class A5	Sq Yd	--	2551	2551
Filter Fabric	Sq Yd	--	2551	2551
HMA Surface Removal (Deck)	Sq Yd	622	--	622
Concrete Removal	Cu Yd	14.9	--	14.9
Bridge Rail Removal	Foot	292	--	292
Slope Wall Removal	Sq Yd	--	1940	1940
Concrete Superstructure	Cu Yd	21.6	--	21.6
Bridge Deck Grooving	Sq Yd	613	--	613
Protective Coat	Sq Yd	780	--	780
Furnishing And Erecting Structural Steel	Pound	3640	--	3640
Jack And Remove Existing Bearings	Each	21	--	21
Reinforcement Bars, Epoxy Coated	Pound	3680	--	3680
Bar Splicers	Each	36	--	36
Preformed Joint Strip Seal	Foot	84	--	84
Elastomeric Bearing Assembly, Type 1	Each	21	--	21
Anchor Bolts, 1"	Each	42	--	42
Plug Existing Deck Drains	Each	28	--	28
Bridge Deck Microsilica Concrete Overlay 2 1/4"	Sq Yd	614	--	614
Bridge Deck Repair - Scarification 1/2"	Sq Yd	614	--	614
Deck Slab Repair (Full Depth, Type II)	Sq Yd	8	--	8



LOCATION SKETCH

GENERAL PLAN
FAI 70 (EB) OVER
WENDELL BRANCH
FAI ROUTE 70 SECTION 60-10B
MADISON COUNTY
STATION 996+73.85
STRUCTURE NO. 060-0023

FILE: J:\11\00\1042 IL-DB\WV5 I-70 Bridge Repairs\2-SNG60-0023 WendellBr-EB.dwg
 USER: DCD
 DATE: 01/12/2007 16:39:37

JD Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: CDB	DRAWN: SJS
CHECKED: DCD	CHECKED: CDB/DCD

STATE OF ILLINOIS
DAVID C. DEPP
081-005117
LICENSED PROFESSIONAL ENGINEER
STRUCTURAL ENGINEER

Signed: *David Depp*
Date: 1-15-2007
Lic. Expires: 11-30-2008

Note:
Staging is for information only, to be coordinated with roadway staging.