BRIDGE QUANTITIES

BRIDGE ELEMENT	CLASS I EXCAVATION CU. YDS.	AREA PREPARED FOR PATCHING SQ. YDS.	AREA PREPARED FOR PATCHING (FULL DEPTH) SQ. YDS.	HYDRODEMOLITION & PAVEMENT REPLACEMENT SQ. YDS.	CLASS AAA CONCRETE (AE) CU. YDS.	REINFORCING STEEL REPAIR (GRADE 60) LBS.	REINFORCING STEEL (EPOXY COATED) (GRADE 60) LBS.	SILICA FUME OVERLAY (1 1/2") SQ. YDS.	BRIDGE BACKWALL PROTECTION SYSTEM SQ. YDS.	ABUTMENT STRIP DRAIN SQ. YDS.	RAIL REPAIR EACH	GUARD FENCE (STEEL PLATE) LIN. FT.	PIPE HANGER ASSEMBLY EACH		
Abutment No. 1	45				9.6		1,750								
Abutment No. 2	45				9.6		1,750								
Total Superstructure	90	200	25	1,436	19.2	1,000	3,500	1,436	56	48	1	50	115		
TOTAL	90	200	25	1,436	19.2	1,000	3,500	1,436	56	48	1	50	115		

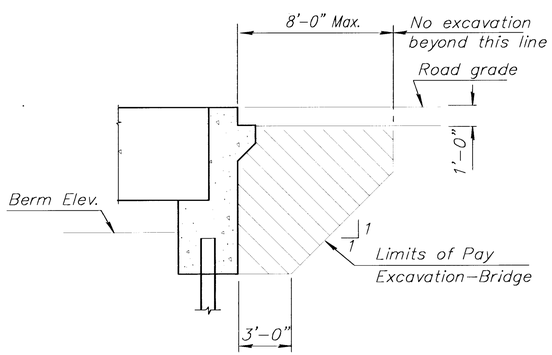
DESIGN SPECIFICATIONS: AASHTO Specifications 1996 and latest Interim Specifications.

UNIT STRESSES:

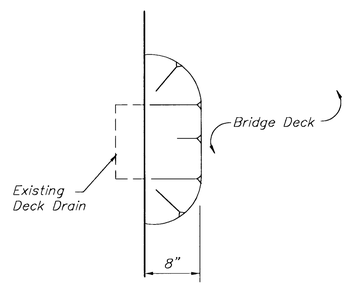
Class AAA Concrete (AE) $f'c$ = 4,000 psi — $f'c$ = 1,600 psi

Reinforcing Steel (Grade 60) — fy = 60,000 psi

f_s = 24,000 ps



LIMITS OF EXCAVATION



DECK DRAIN PLAN

BRIDGE EXCAVATION: The structural excavation is Class I.

CONCRETE: Class AAA Concrete (AE) shall be used throughout for all cast-in-place concrete. Bevel all exposed edges with a 3/4" triangular moulding unless otherwise noted. Use double 3/4" bevels at certain construction joints as noted on the plans.

REINFORCING STEEL: All dimensions relative to placement of reinforcing steel are to the centerline of bars unless otherwise noted. All dimensions relative to the bending of reinforcing steel are out to out of bar unless otherwise noted. All reinforcing steel shall be epoxy coated.

DIMENSIONS: All dimensions shown are taken from the original bridge plans and field survey. These dimensions shall be field checked prior to the start of new construction.

CONSTRUCTION JOINTS: Construction joints shall be made only at places shown or a locations approved by the engineer.

BACKFILL COMPACTION: Backfill compaction to 95% of ASTM D698 shall be required at the abutments. This work shall be subsidiary to other bid items.

REMOVAL OF EXISTING STRUCTURE: The Contractor shall remove the existing bridge to the limits shown on the demolition drawings. All broken asphalt and concrete shall become the property of the Contractor and be wasted on sites selected by the Contractor and approved by the Engineer. This work shall be subsidiary to the bid item "Removal of Existing Structures".

EXISTING UTILITY LINES: The existing utility lines that are supported under the bridge shall remain in service during construction. The Contractor shall provide the individual utility companies the opportunity to inspect and if necessary provide additional protection for their utility lines during construction. The utility companies will accomplish the protective measures as expeditiously as possible.

GUARD FENCE: The removal of existing bridge guard fence as required shall become the property of the Contractor and be removed from the site. The remaining material from the bridge and "Removal of Existing Structures" shall become the property of the Contractor and shall be removed from the site.

SLOPE PROTECTION: Remove and replace existing riprap as necessary for repair at the abutments or as directed by the Engineer. This work shall be subsidiary to other items of the contract.

PIPE HANGERS: The Contractor shall be responsible for acquiring and installing the pipe hanger assembly as shown on the plans.

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

37TH STREET NORTH BRIDGE
PROJECT NAME

BRIDGE QUANTITIES & GENERAL NOTES
SHEET TITLE

KJS	DPG	
DESIGN BY:	DRAWN BY:	CHECKED BY:
APRIL 1998	96082	7 / 23
DATE	JOB NO.	SHEET/OF

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