

GENERAL NOTES

REFERENCE SHALL BE MADE TO STANDARD DRAWINGS AS-1-81 DATED 11-27-81, SD-1-69, SHEETS 1, 2, 3 OF 4 DATED 6-12-69, SUPPLEMENTAL SPECIFICATIONS 836 DATED 3-12-75, 845 DATED 6-7-83, 953 DATED 8-21-80 AND 824 DATED 10-8-82.

DESIGN SPECIFICATIONS: THE DECK REPLACEMENT AND ABUTMENT REPAIRS FOR THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 1977, INCLUDING THE 1978, 1979, 1980, 1981 AND 1982 INTERIM SPECIFICATIONS AND THE OHIO "SUPPLEMENT" TO THESE SPECIFICATIONS.

DESIGN DATA: BEAM LOADING S-20-46; SLAB LOADING HS 20-44 CONCRETE CLASS S, UNIT STRESS 1500 PSI FOR SUPERSTRUCTURE CLASS C, UNIT STRESS 1333 PSI FOR SUBSTRUCTURE STRUCTURAL STEEL, ASTM A36, UNIT STRESS 20,000 PSI (NEW STEEL) ASTM A7, UNIT STRESS 18,000 PSI (EXISTING STEEL) REINFORCING STEEL, ASTM A615, A616, OR A617 GRADE 60 UNIT STRESS 24,000 PSI

BEAM SEAT ELEVATIONS: EXISTING BEAM SEAT ELEVATIONS AT THE ABUTMENTS ARE SHOWN ON THE DESIGN DRAWINGS. THE CONTRACTOR SHALL CHECK THE ACTUAL FIELD ELEVATIONS WHEN THE EXISTING BRIDGE DECK IS REMOVED. ANY SIGNIFICANT DISCREPANCY ($\pm 3/8$ " MAX.) SHALL BE REPORTED TO THE ENGINEER BEFORE ANY WORK IS CONTINUED. PLANS OF THE EXISTING STRUCTURE MAY BE STUDIED IN THE LAKE COUNTY ENGINEER'S OFFICE AT 550 BLACKBROOK ROAD, PAINESVILLE, OHIO 44077.

DECK PROTECTION METHOD: LATEX MODIFIED CONCRETE OVERLAY, WITH EPOXY COATED REINFORCING STEEL, TOP MAT ONLY.

FINAL GRADE

THE PROPOSED FINAL GRADE HAS BEEN ESTABLISHED USING FIELD ELEVATIONS OF THE BOTTOM OF THE EXISTING GIRDERS AT THE ABUTMENT BEARINGS. AFTER SUFFICIENT PORTIONS OF THE EXISTING BRIDGE DECK HAVE BEEN REMOVED, THE CONTRACTOR SHALL CHECK THE ACTUAL FIELD ELEVATIONS OF THE TOP FLANGE PLATE OF THE GIRDERS AT ALL BEARINGS (ABUTMENTS AND PIERS). IF THE ELEVATIONS FOUND ARE LESS THAN 9 INCHES BELOW THE TOP OF THE FUTURE SLAB, THE PROFILE GRADE SHALL BE REVISED. NO DECK OR ABUTMENT BACKWALLS SHALL BE REPLACED UNTIL AFTER THIS INVESTIGATION HAS BEEN MADE. THE DIRECTOR SHALL BE NOTIFIED BY THE ENGINEER SO THAT ARRANGEMENTS MAY BE MADE FOR THE PREPARATION OF REVISED PLANS.

WELDING ROCKERS: THE ROCKERS AT THE EXPANSION BEARINGS AT THE PIERS SHALL BE WELDED TO THE BASE PLATES. (NOT AT THE ABUTMENTS). THIS WORK SHALL BE INCLUDED FOR PAYMENT WITH ITEM 513, STRUCTURAL STEEL.

PORTIONS OF STRUCTURE TO BE REMOVED: REMOVE BRIDGE DECK, ZEE BARS, END DAM ANGLES, ABUTMENT BACKWALLS, BEVEL FILL PLATES, GUSSET PLATES AND UPPER PORTION OF END CROSSFRAME ANGLES.

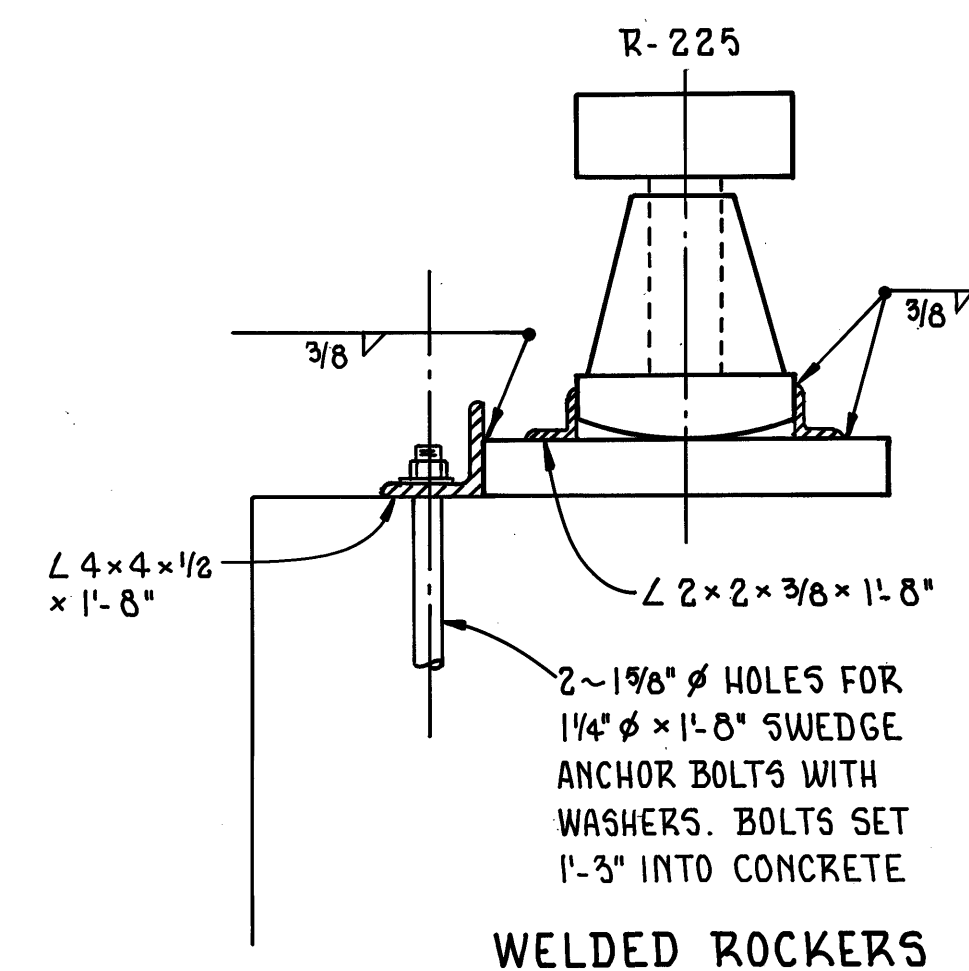
EXISTING STRUCTURE VERIFICATION: DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.02.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

REPLACEMENT OF EXISTING REINFORCING STEEL: ANY EXISTING REINFORCING BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND WHICH ARE MADE UNUSABLE BY THE CONTRACTORS CONCRETE REMOVAL OPERATIONS SHALL BE REPLACED WITH NEW STEEL AT HIS COST. ANY EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION SHALL BE REPLACED WITH NEW STEEL. AN ALLOWANCE OF 1000 POUNDS IS INCLUDED IN ITEM 509 FOR THIS PURPOSE.

ESTIMATED QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION	SUPER.	ABUT.	GEN'L.			
202	LUMP		PORTIONS OF STRUCTURE REMOVED	LUMP	LUMP				
503	33	C.Y.	UNCLASSIFIED EXCAVATION		33				
509	32,978	LB.	REINFORCING STEEL, GRADE 60	28,425	3,553	1,000			
511	304	C.Y.	CLASS S CONCRETE, SUPERSTRUCTURE (See Prop Note)	304					
511	63	C.Y.	CLASS C CONCRETE, ABUTMENTS		63				
513	21,000	LB.	STRUCTURAL STEEL (AISC CERTIFICATION NOT REQUIRED) SEE PROPOSAL NOTE	21,000					
518	28	C.Y.	PDRIOUS BACKFILL		28				
518	8	EA.	SCUPPERS, INCLUDING SUPPORTS	8					
518	100	L.F.	6" PERFORATED, HELICAL CORRUGATED STEEL PIPE, 707.01		100				
518	39	L.F.	6" NON-PERF., HELICAL CORRUGATED STEEL PIPE, INCLUDING SPECIALS, 707.01		39				
601	22	C.Y.	DUMPED ROCK FILL, TYPE B			22			
845	1202	S.Y.	LATEX MODIFIED CONCRETE OVERLAY (1/4" THICK) (SEE PROPOSAL NOTE)	1202					
824	35,405	LB.	EPOXY COATED REINFORCING STEEL, GRADE 60	35,303	92				
514	20,900	LB.	FIELD PAINTING OF NEW STRUCTURAL STEEL, SYSTEM B	20,900					
514	LUMP		FIELD PAINTING OF EXISTING STEEL, SURFACE PREPARATION	LUMP					
514	LUMP		FIELD PAINTING OF EXISTING STEEL, SPOT PRIME	LUMP					
514	LUMP		FIELD PAINTING OF EXISTING STEEL, COMPLETE COAT PRIME	LUMP					
514	LUMP		FIELD PAINTING OF EXISTING STEEL, COMPLETE COAT FINISH	LUMP					



LAKE INC. ENGINEERING						2 / 6
WICKLIFFE, OHIO						
GENERAL NOTES & ESTIMATED QUANTITIES						
BRIDGE NO. LAK-6-0461						
S.R. 6 OVER THE CHAGRIN RIVER						
LAKE COUNTY						S.R. 6
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
HM	HM	ff	MK	JF	11/82	