

STATE OF IOWA  
STATE HIGHWAY COMMISSION  
BRIDGE AND CULVERTS  
ON THE  
FARM TO MARKET SYSTEM  
CRAWFORD COUNTY  
PROJECT NO. 411

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	411	1967	1	3

MILEAGE SUMMARY

BRIDGE AT STA. 113+95.0 = 5'-0" = 0.01420 MI.

INDEX OF SHEETS

SHEET NO.  
1  
2-3

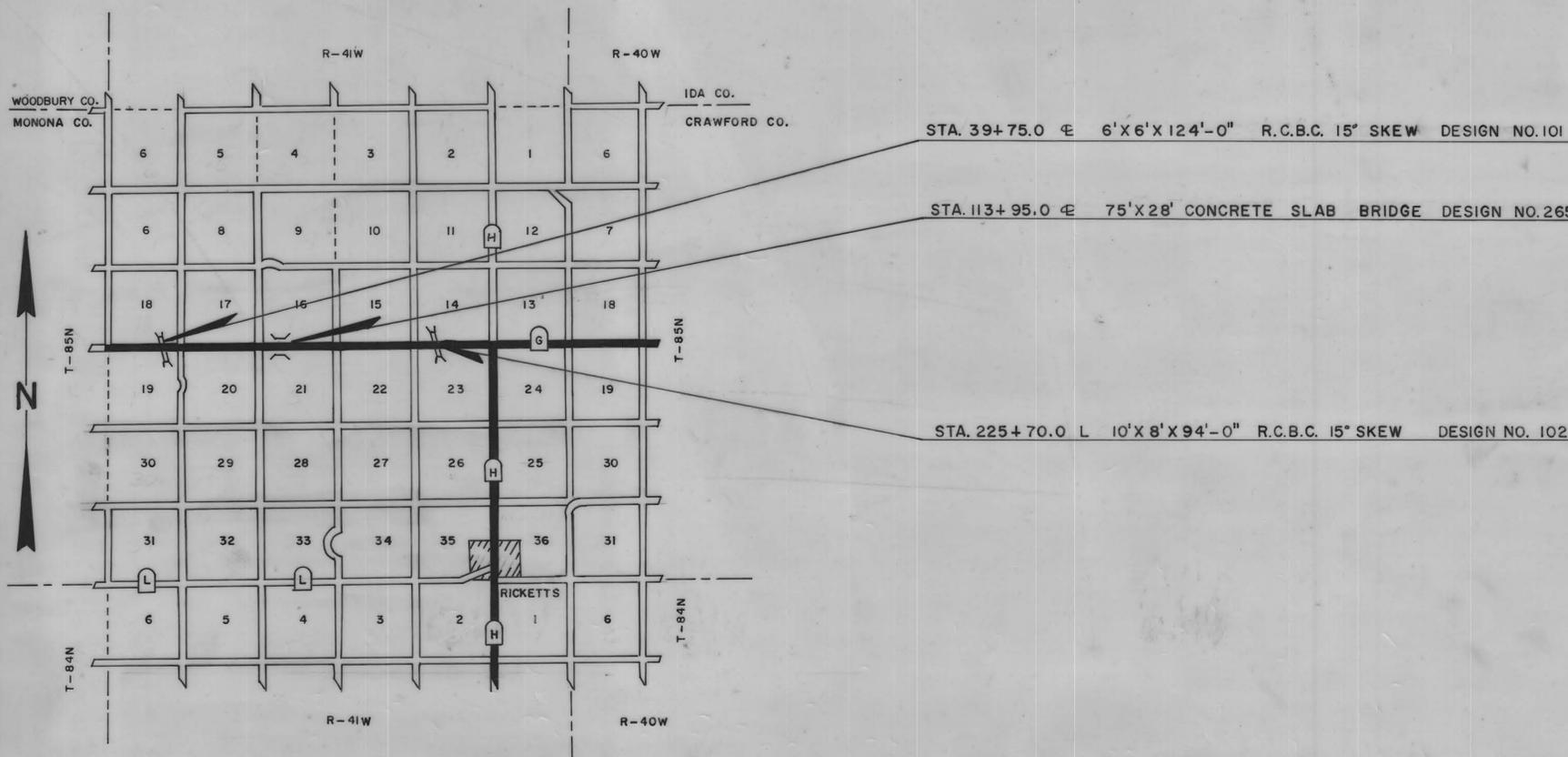
ITEM  
TITLE SHEET AND ESTIMATE OF QUANTITIES  
DETAILS

DESIGNS FOR REINFORCED CONCRETE BOX CULVERTS AND A 75' X 28' CONCRETE SLAB BRIDGE

THE IOWA STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR CONSTRUCTION WORK, SERIES OF 1964, SHALL APPLY TO WORK ON THIS PROJECT, PLUS CURRENT SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

PROJECT NO. 411		STA. 113+95.0	
SEC. 16-21		DESIGN NO. 265 SOLDIER TOWNSHIP	
75' X 28' CONCRETE SLAB BRIDGE			
ESTIMATE OF QUANTITIES			
ITEM	ABUTMENTS	SUPERSTRUCTURE	TOTALS
Structural Concrete For Substructure Class "C"	34.6 C.Y.	—	34.6 C.Y.
Structural Concrete For Superstructure Class "D"	—	104.5 C.Y.	104.5 C.Y.
Reinforcing Steel	2,772 LBS.	21,338 LBS.	24,110 LBS.
Structural steel	—	3,987 LBS.	3,987 LBS.
Cresoted Piles 10 @ 35' - 10 @ 40'	750 L.F.	—	750 L.F.
Concrete Piles 12 @ 40' P10A 16" TYPE III	—	480 L.F.	480 L.F.
Excavation Class 20	90 C.Y.	—	90 C.Y.
Excavation Class 24	510 C.Y.	—	510 C.Y.
Removal of Old Bridge	JUNK	JUNK	Lump Sum

DESIGN	LOCATION			DESCRIPTION	ESTIMATE OF QUANTITIES									
	SEC.	TWP.	STATION		STRUCTURAL CONCRETE CLASS "C" CU. YDS.	REINFORCING STEEL LBS.	Class 10 EXCAV. CHANNEL CU. YDS.	Class 20 EXCAV. CU. YDS.	Class 24 EXCAV. CU. YDS.	FILTER MATERIAL TONS	COMPACTION BACKFILL CU. YDS.	4" PERFORATED FIBER PIPE LIN. FT.	1 1/2" GALVANIZED RAIL LBS.	REMOVALS LUMP SUM
101	18-19	85-41	39+75	6' X 6' X 124'-0" 15° SKEW REINFORCED CONCRETE BOX CULVERTS	138.91	15,165	—	420	—	—	—	—	—	LUMP SUM
102	14-23	85-41	225+70	10' X 8' X 94'-0" 15° SKEW REINFORCED CONCRETE BOX CULVERTS	211.73	23,473	1,260	520	—	—	—	—	LUMP SUM	
TOTAL					350.64	38,638	1,260	940	—	—	—	—	LUMP SUM	



I HEREBY CERTIFY THESE PLANS WERE MADE UNDER MY SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

*Donald Turner*  
REG. NO. 4988

DATE 3/15/67

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
*Vern Kause*  
 CHAIRMAN  
 \_\_\_\_\_  
*St. Knoll*  
 \_\_\_\_\_  
*Merrill Knoll*  
 \_\_\_\_\_  
*Charles Stammen*  
 \_\_\_\_\_  
*Lawrence Kessner*  
 BOARD OF SUPERVISORS

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
 DIRECTOR OF ENGINEERING  
 IOWA HIGHWAY COMMISSION  
 \_\_\_\_\_  
 DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS  
 APPROVED \_\_\_\_\_ DATE \_\_\_\_\_  
 DIVISION ENGINEER

