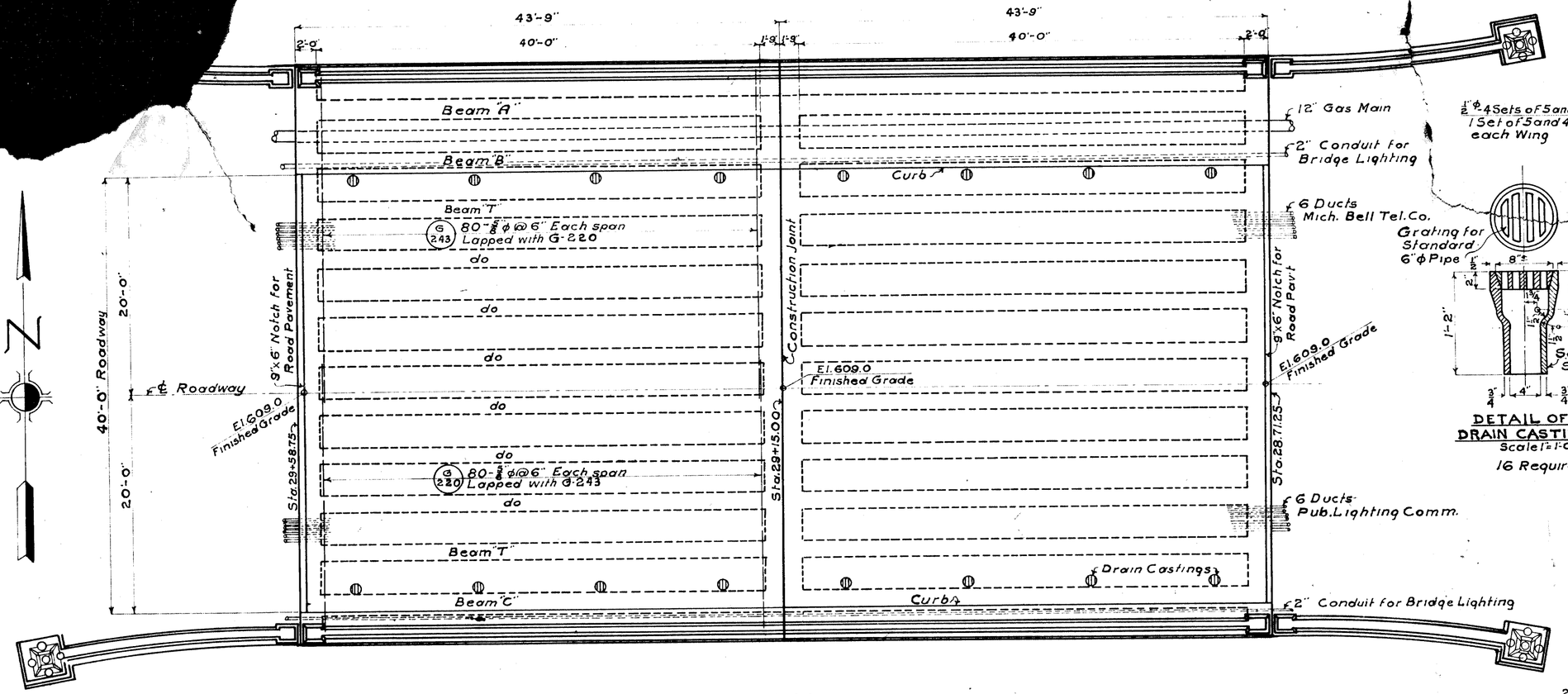
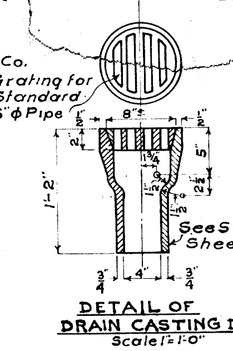
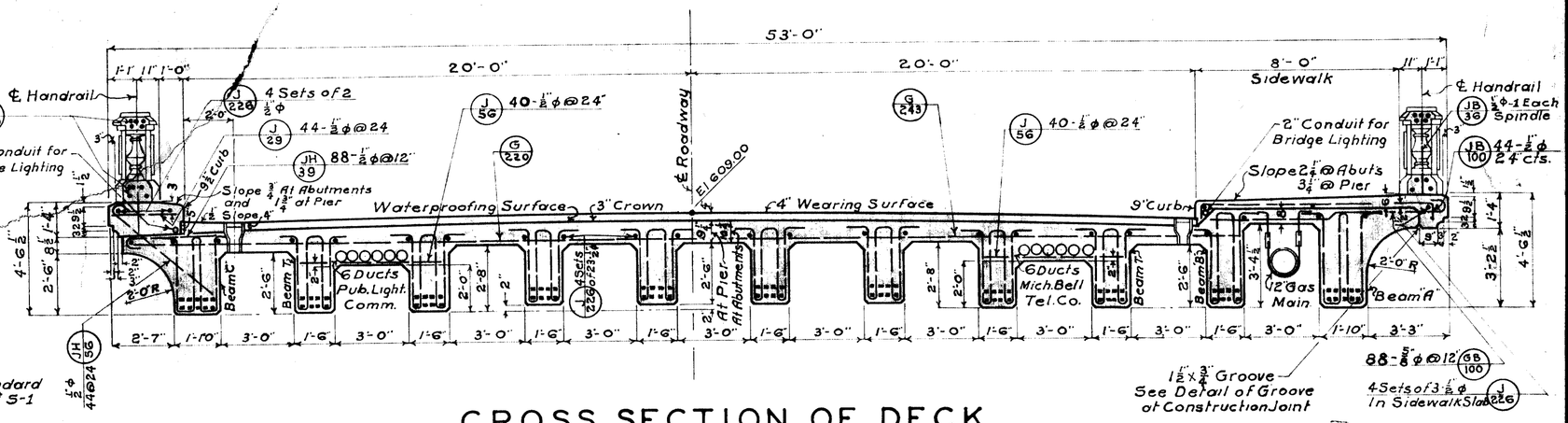


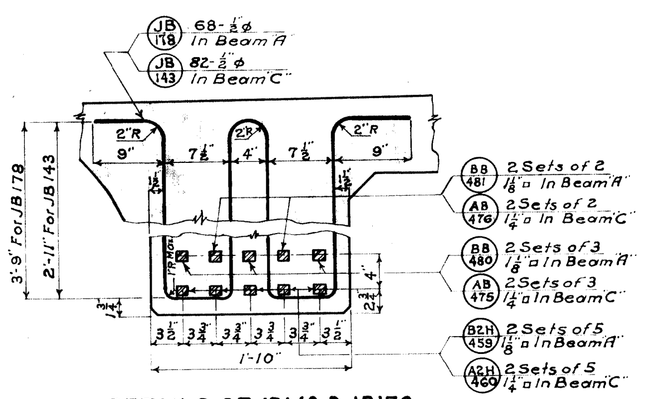
PLAN
Scale 1/8"=1'-0"



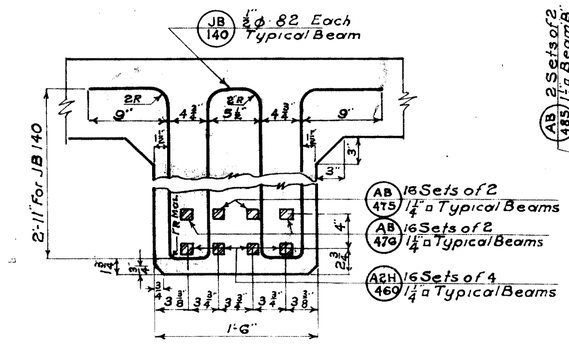
DETAIL OF DRAIN CASTING DC1
Scale 1"=1'-0"
16 Required



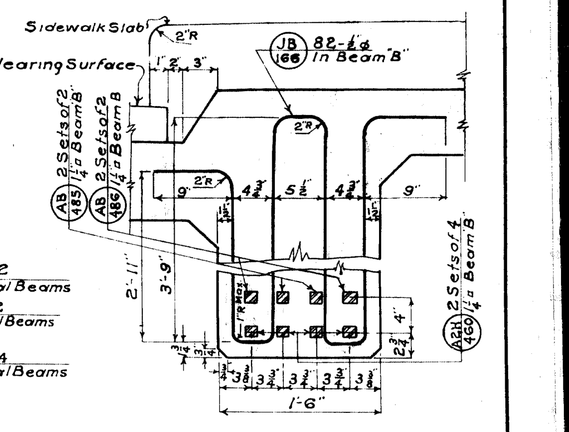
CROSS SECTION OF DECK
Scale ¼"=1'-0"



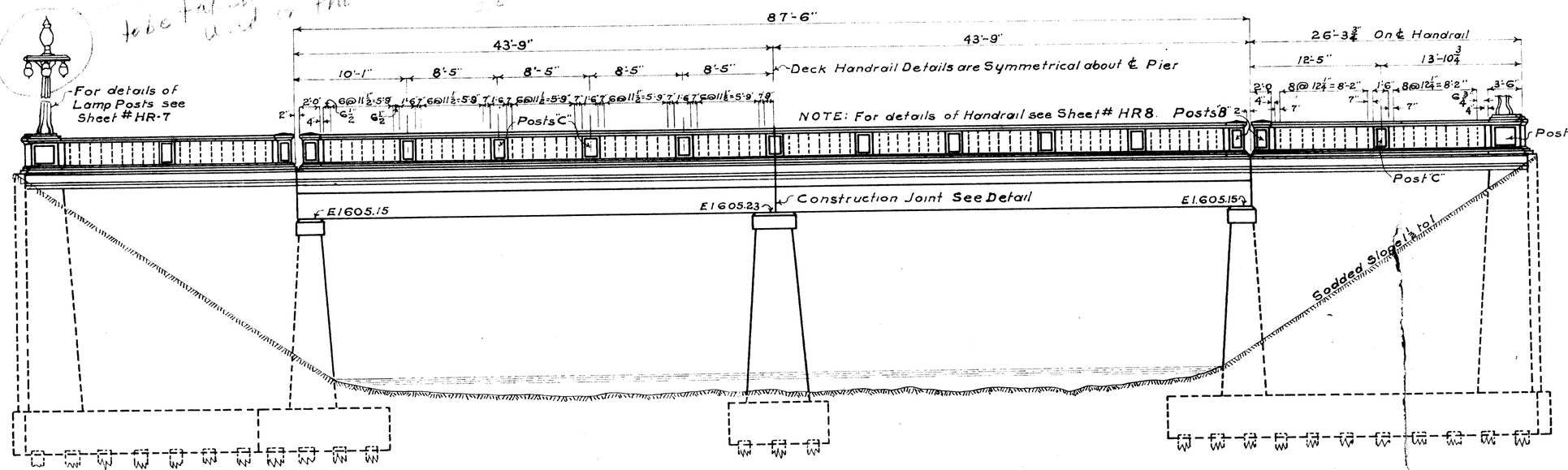
DETAILS OF JB143 & JB178



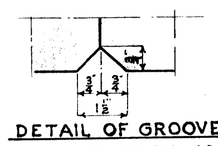
DETAILS OF JB 140

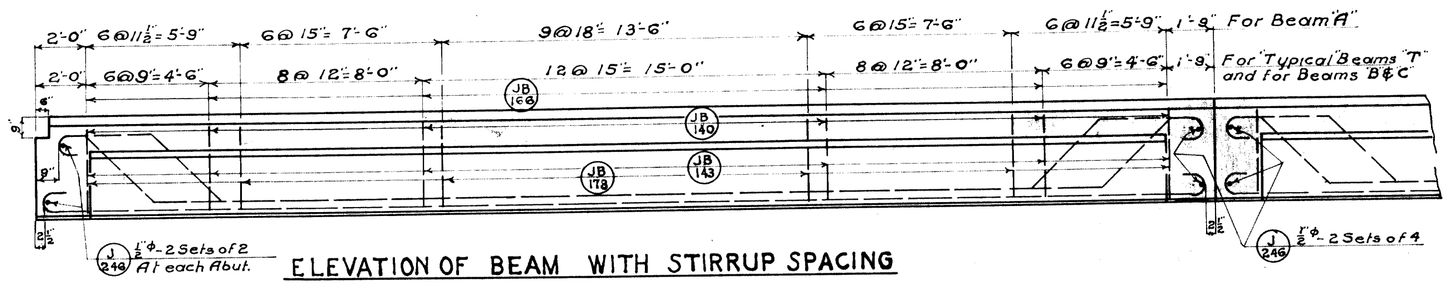


DETAILS OF JB 166

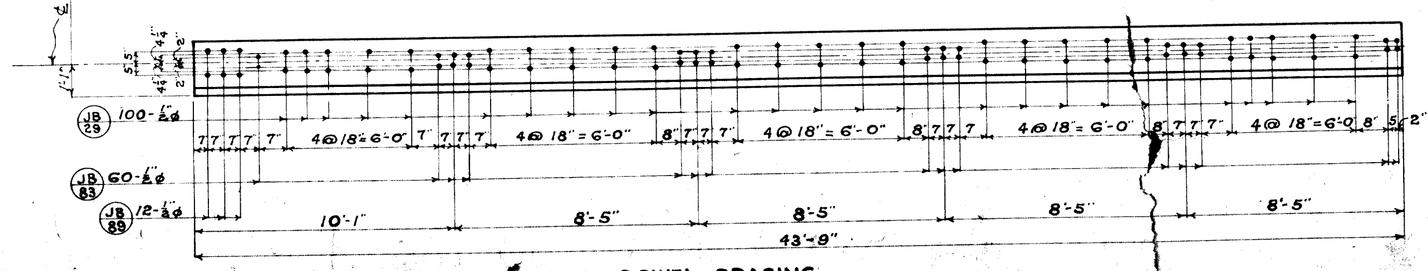


ELEVATION
Scale ⅛"=1'-0"

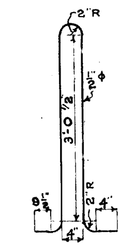


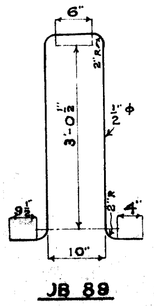


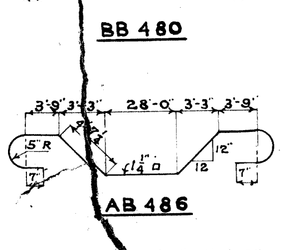
ELEVATION OF BEAM WITH STIRRUP SPACING

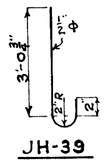


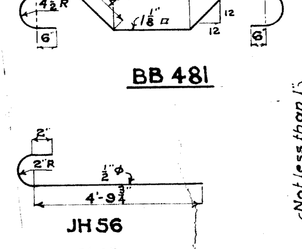
HANDRAIL DOWEL SPACING











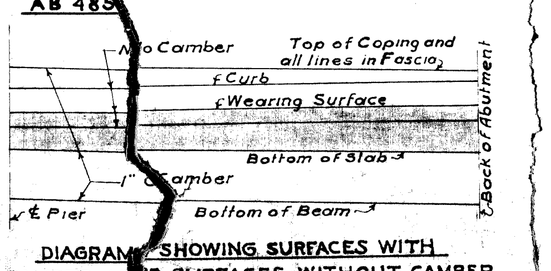
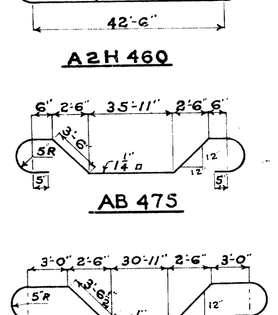


DIAGRAM SHOWING SURFACES WITH CAMBER AND SURFACES WITHOUT CAMBER

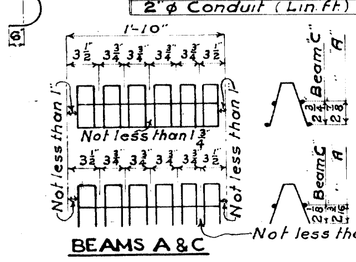


LIST OF REINFORCING STEEL

MARK	SIZE	NO	LENGTH	REMARKS	LOCATION
JH-39	½ ø	88	3'-9"	Hooked	Slab
J-56	" "	80	5'-6"	Straight	"
J-226	" "	92	22'-6"	"	"
GB-100	⅝ ø	88	10'-0"	Bent	"
G-220	" "	160	22'-0"	Straight	"
G-243	" "	160	24'-3"	"	"
JH-56	½ ø	44	5'-6"	Hooked	Beams C
JB-140	" "	656	16'-0"	Bent	" "
JB-143	" "	82	14'-3	"	" C
JB-166	" "	82	16'-6"	"	" B
JB-178	" "	68	17'-8"	"	" A
B2H-459	⅛ ø	10	45'-9	Hooked	" A
BB-480	" "	6	48'-0"	Bent	" A
BB-481	" "	4	48'-1"	"	" A
A2H-460	¼ □	82	46'-0"	Hooked	" B C & T
AB-475	" "	38	47'-5	Bent	" C - T
AB-476	" "	36	47'-6"	"	" C - T
AB-485	" "	4	48'-5"	"	" B
AB-486	" "	4	48'-6"	"	" B
J-246	¾ ø	16	24'-6"	Straight	Over Piers & Abut.
J-29	" "	44	2'-9"	"	Sidewalk & Curb
JB-29	" "	100	2'-9"	Bent	" "
JB-83	" "	60	8'-3"	"	" "
JB-89	" "	12	8'-9"	"	" "
JB-100	" "	44	10'-0"	"	" "
J-226	" "	20	22'-6"	Straight	"
JB-36	" "	212	3'-6"	Bent	Handrail
J-230	" "	108	23'-0"	Straight	"

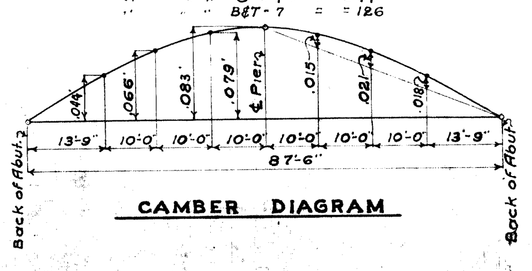
QUANTITIES

WEARING SURFACE		387.0 sq yd
CONCRETE - Beams and Slab		310.8 cu yd
" Sidewalk Pour		16.9 "
" Curb		12.3 "
" Add. For Mich. Bell Tel Con.		3.6 "
" " " Bd P.L. Comm "		3.6 "
" Handrail		27.8 "
" Total		369.0 cu yd
		6 532.0 #
REINFORCING STEEL		
" Add. for Bd. P.L. Comm Con.		1.50 "
" " Mich. Bell Tel. "		1.50 "
" Handrail		21.50 "
" Total		67 770 #
PRECAST SPINDLES		212
FIVE-LIGHT POSTS		4
2 ø Conduit (Lin Ft)		175



DETAILS OF SADDLES AND SEPARATORS

Saddles for Beam A @ 9 pr. Beam = 18
" " C @ 9 " " = 18
" " B & T @ 9 " " = 162
Separators A @ 7 " " = 14
" " C " 7 " " = 14
" " B & T " 7 " " = 126



CAMBER DIAGRAM

NOTES

SPECIFICATIONS:- General: Board of Wayne County Road Commissioners as revised Jan. 1929, and Supplementary Specifications for Job No. 358
Design-Joint Committee Specifications for 1924.
Loading-Roadway - 3 ton trucks and 25% Impact.
Sidewalk - 100 #/sq. Ft. - No Impact.
CONCRETE - To be proportioned by "Water-Cement" ratio for 3000 # per sq. inch at twenty eight days. For method of proportioning and controlling mix see Specifications. All exposed surfaces shall be rubbed as soon as forms are removed. No cement grout shall be used on rubbed surfaces. All exposed edges shall be bevelled ¾" unless otherwise specified. Bottom edges of coping shall be ¾" rounded.
WEARING SURFACE: The wearing surface shall be carefully finished to exact crown of the road and no depression greater than ⅛ one eighth inch shall be allowed when measured from a strike board at right angle to the ℄ of road. No depression greater than ¼ one quarter inch shall be allowed in a continuous distance of ten feet parallel to the ℄ of road.
REINFORCING: All bars shall be deformed bars of current intermediate grade as specified in the A.S.T.M. Standard Specifications for Billet Steel Reinforcing Bars (Serial Designation A-15-14). All bars to be securely wired together at each intersection. At splices, bars shall lap for a length of 24 diameters
All bars shall be securely tagged before shipping to the job. No cement to be placed until bars to be encased are securely fastened in place.
WATERPROOFING: Surface of floor slab under wearing surface shall be painted with a heavy coat (about ⅛ thick) of approved asphalt paint.
CONSTRUCTION JOINTS shall be located as shown and no other joints will be permitted except by approval of the Engineer.
CONDUITS: Two inch steel lighting conduits to be furnished and placed by contractor. All conduit shall be so laid as to drain to end of bridge.
LIGHTING: All wiring shall be furnished and installed by Wayne County Road Commissioners.
GAS MAIN: Hangers for Gas Main to be furnished and placed in forms by the Gas Company after (24) twenty four hours notice by the contractor. Gas main to be erected by the Gas Company after completion of the bridge being carried thru the holes left in the superstructure at the Abutments and Pier. All voids around the main where it passes thru superstructure shall be filled with concrete by the Gas Company.
UTILITY CONDUITS:- Conduits to be furnished and erected by respective Utility Companies.
PRECAST Spindles and Lamp Posts will be furnished by the Board and placed by the Contractor.

REVISIONS
General Notes added 1-11-29 S.A.
Sheet checked 4-29-29 S.A.

JOB No. 358
ISSUE NO. 3
DATE 1929

BOARD OF
WAYNE COUNTY ROAD COMMISSIONERS
DETROIT, MICHIGAN
WM. F. BUTLER, CHAIRMAN
JOHN S. HAGGERTY, COMMISSIONER
EDWARD N. HINES, COMMISSIONER

SUPERSTRUCTURE DETAILS
SCHOOLCRAFT ROAD (North Bridge)
BRIDGE OVER ROUGE RIVER Bl or 82-22-40

DESIGNED BY S.A. DRAWN BY S.A. CHECKED BY S.A.
DATE 4-4-1929 SCALE As shown CORRECT J.C. Mead CHIEF DESIGNER
APPROVED W.N. Stapleton ENGR. ENGINEER
APPROVED Edward N. Hines COUNTY ENGINEER REG. CIV. ENG.
SHEET NO. 4

Job # 358-4