

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

INDEX OF SHEETS

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8. DISTRICT ONE: ONE LANE CLOSURE
9. DISTRICT ONE: TWO LANE CLOSURE
10. TRAFFIC CONTROL & PROTECTION CASE U-2 (MOD.)

ATTACHED STANDARDS

- 2298-5
- 2298-8
- 2300-2

SUMMARY OF QUANTITIES

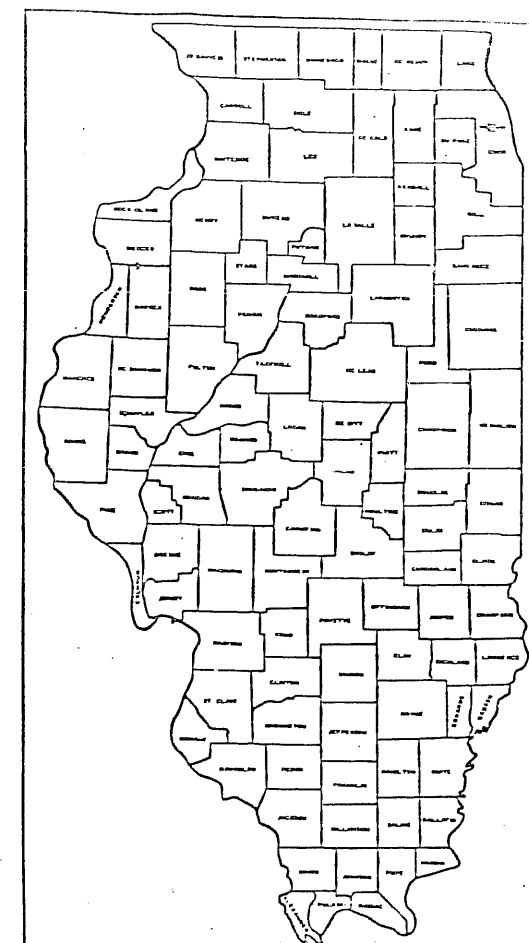
CODE	ITEM	UNIT	QUANT.
406008	BIT. CONC. SURF. CRS., CL. 1	TON	116
501024	CONCRETE REMOVAL	C.Y.	24.8
503004	PROTECTIVE COAT	S.Y.	37
504003	CLASS X CONCRETE	C.Y.	24.8
512001	REINFORCEMENT BARS	LBS.	2240
617010	BITUMINOUS CONCRETE SURFACE REMOVAL	S.Y.	820
710100	DECK SLAB REPAIRS (FULL DEPTH)	S.Y.	2
710101	DECK SLAB REPAIRS (PARTIAL DEPTH)	S.Y.	10
821001	DISTRICT ONE: ONE LANE CLOSURE	L.S.	1
821002	TRAF. CONT. AND PROT. (SPECIAL)	L.S.	1
821003	TRAF. CONT. AND PROT. CASE U-2 (MOD.)	L.S.	1

SCALES { PLAN
 PROFILE HOR.
 PROFILE VERT.
 CROSS SECTIONS

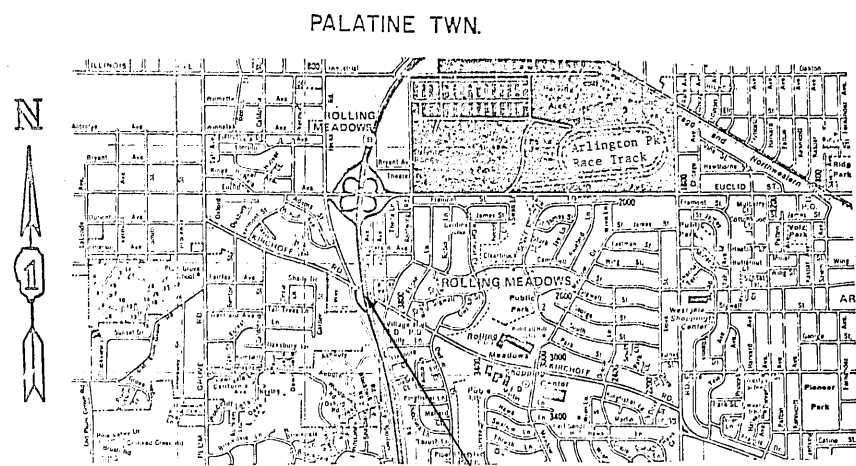
ROUTE: F.A.P. 432 (ILL. RTE 53) N.B.
 SECTION: 531-IHB-8-I-DL(81)
 COOK COUNTY
 SLT-91-001-81
 BRIDGE NO. 016-0376
 (N.B. BRIDGE)

RTE.	SECTION	COUNTY	PROJECT NO.
*	*	COOK	

* Route: F.A.P. 432 (ILL. RTE. 53) N.B.
 * Section: 531-IHB-8-I-DL(81)



LOCATION OF SECTION INDICATED THUS: - - -



LOCATION OF WORK
 F.A.P. 290 (N.B.) OVER KIRCHOFF RD.

NET LENGTH IMPROVEMENT=373'-2 1/2"
 (0.071 MI.)

J.U.L.I.E. TOLL FREE PHONE: 800-892-0123

STATE OF ILLINOIS
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DESIGNER _____

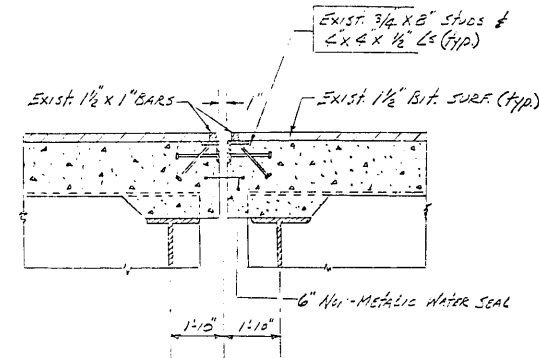
ENGINEER _____ REGISTERED ENGINEER

DRAWN BY _____ REGISTERED BY PLANS AND CONTRACTS

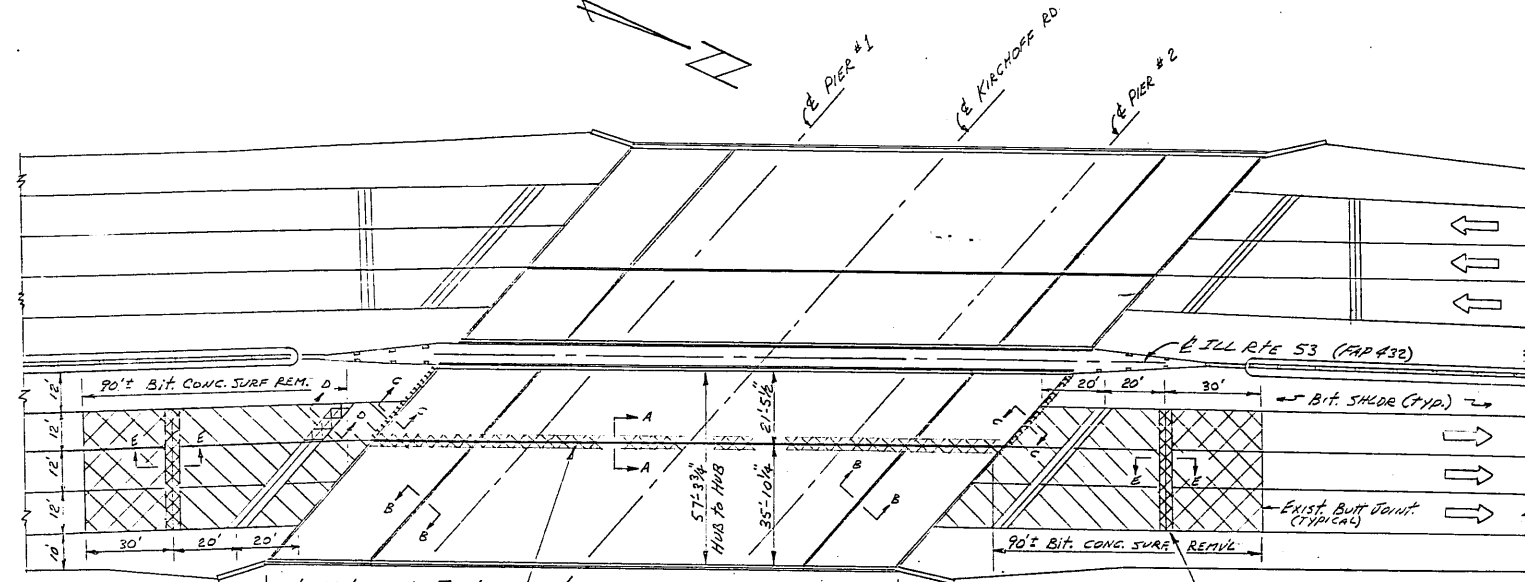
APPROVER _____ REGISTERED BY DESIGN

REGISTERED OFFICE OF ENGINEERS

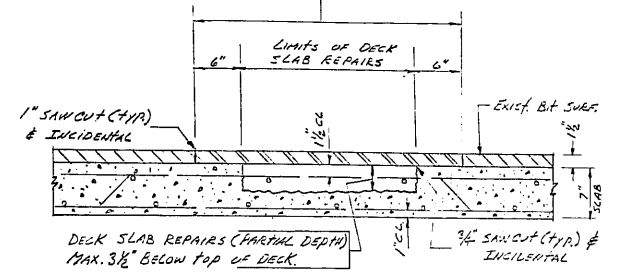
CONTRACT NO.



SEC. B-B EXIST. TRANSVERSE JOINT (FOR INFORMATION ONLY)



LIMITS OF "BIT. CONG. SURF. REPAIR" AND "BIT. CONG. SURF. CRSE. CL. I" REPLACEMENT:

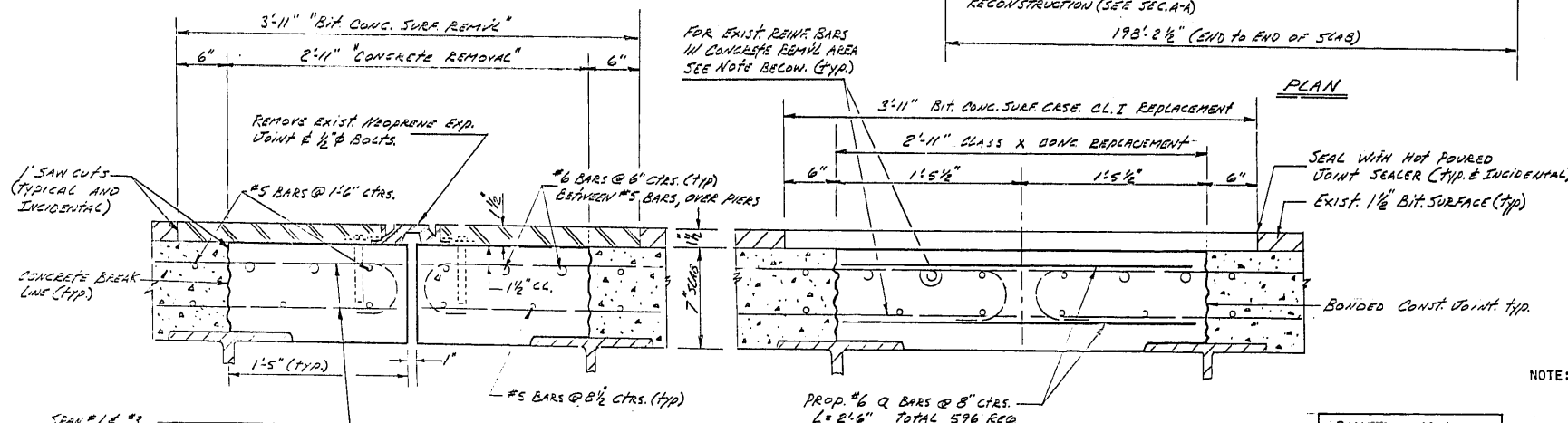


NOTE: IF DETERIORATED CONG. EXTENDS BELOW A MAX. DEPTH OF 3/8" FROM THE TOP OF THE DECK, THE CONG. SHALL BE REMOVED FOR THE FULL DEPTH OF THE DECK AND A FULL DEPTH PATCH SHALL BE CONSTRUCTED.

EXIST. REINF. IN THE CONG. REMOVAL AREAS SHALL BE CLEANED OF RUST AND OLD CONCRETE PRIOR TO PLACING NEW CONCRETE.

SEAL THE PERIMETER OF ALL DECK PATCHES WITH HOT Poured JOINT SEALER (INCIDENTAL)

DECK SLAB REPAIR DETAILS

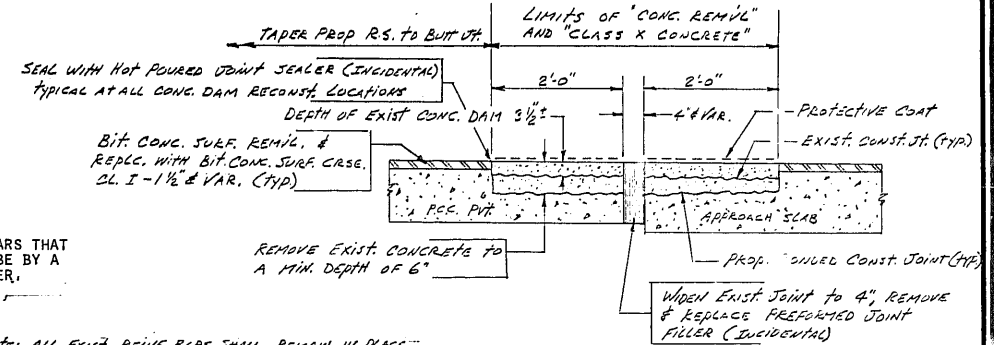


FOR EXIST. REINF. BARS IN CONCRETE REMOVAL AREA SEE NOTE BELOW. (TYP)

PLAN

- Prop. 1/2" Bit. Cong. Surf. Crse. CL. I
- Prop. Bit. Cong. Taper, 1" PER 20 FT. TO EXIST. BUTT JOINT

NOTE: CLEANING OF EXISTING REINF. BARS THAT ARE TO REMAIN IN PLACE SHALL BE BY A METHOD APPROVED BY THE ENGINEER.



SEC. E-E EXPANSION JOINT RECONSTRUCTION

BILL OF MATERIAL FOR LONGITUDINAL JOINT

BAR NO.	SIZE	LENGTH
Q 596	#6	216"
REINF. BARS - 2240'		
CONG. REMOVAL - 18 C.Y.		
CL. X CONG. - 18 C.Y.		

NOTE: ALL EXIST. REINF. BARS SHALL REMAIN IN PLACE & SHALL BE THOROUGHLY CLEANED OF RUST AND OLD CONCRETE PRIOR TO PLACING THE CLASS X CONCRETE. "CONCRETE REMOVAL" & "CLASS X CONCRETE" IS EST. TO BE 0.25 CU. YDS. EACH TO REPAIR THE CONG. DAMS AS SHOWN IN SEC. E-E AND SEC. D-D, AND IN THE PLAN VIEW.

SPAN #1 & #3
#6 ST. BARS @ 8" CTRS., TOP & BOT

SPAN #2
#6 TRUSS BARS @ 16" CTRS., AT WITH #6 HOOK BARS, TOP @ 16" CTRS. AND #6 ST. BARS, BOT @ 16" CTRS.

EXIST. LONG. JOINT

BIT. CONG. SURF. REPAIR (SEE PLAN VIEW THIS SHEET)

8"

EXIST. RUBBERIZED SEALANT

4"

EXIST. GROUT FILLED ST. GRATE

9"

EXIST. 1/2" BIT. SURF.

1/2" X 1" BAR

3/4" ST. ALT.

SUSPECTED DETERIORATED CONCRETE

EXIST. SAWCUT

EXIST. ANGLE & STUDS (TYP)

LAST POUR

DECK

EXIST. PREFORM. JOINT SEALER

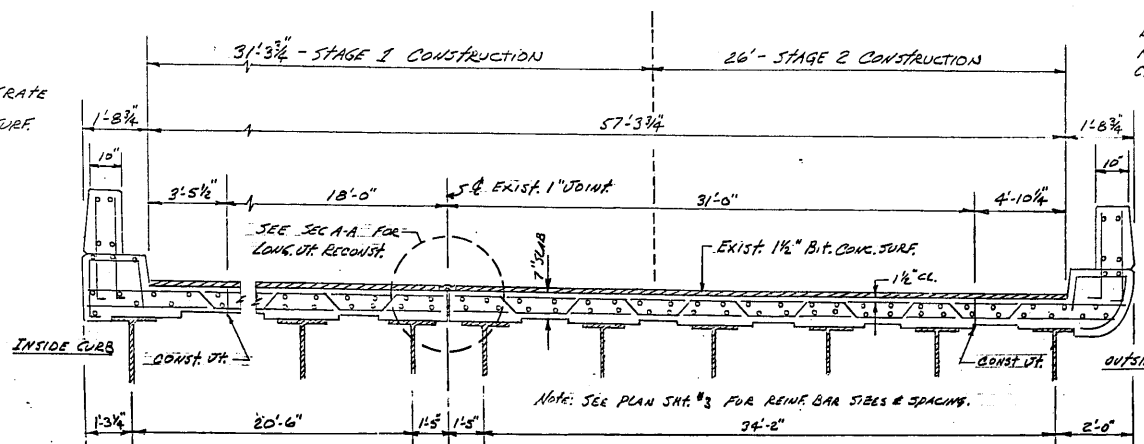
NOTE: REPLACE P.O.S. IN AREA OF DETERIORATED CONG. AS NEEDED. (INCIDENTAL)

NOTE: "CONCRETE REMOVAL" AND "CLASS X CONCRETE" IS EST. TO BE 0.5 C.Y. EACH TO REPAIR LAST POUR AT BOTH ABUTMENTS AS INDICATED.

SEC. C-C EXIST. SLIDING PLATE JOINT @ ABUTMENTS

SECTION A-A

PROP. LONGITUDINAL JOINT



TYPICAL SECTION: NORTH BOUND BRIDGE - B.R. #016-0176