

SUMMARY OF QUANTITIES			URBAN 100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY I000	BRIDGE SFTY-2A			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7	7				
40600300	AGGREGATE (PRIME COAT)	TON	35	35				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	6	6				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	150	150				
40601000	BITUMINOUS REPLACEMENT OVER PATCHES	TON	270	270				
42001300	PROTECTIVE COAT	SQ YD	2405	540	1865			
44000008	BITUMINOUS SURFACE REMOVAL 2 1/2"	SQ YD	4500	4500				
44000112	BITUMINOUS REMOVAL OVER PATCHES 3"	SQ YD	1580	1580				
44000900	BITUMINOUS CONCRETE REMOVAL	SQ YD	585		585			
44000910	BITUMINOUS CONCRETE REMOVAL (DECK)	SQ YD	1865		1865			
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	250	250				
44004610	SIDEWALK REMOVAL AND REPLACEMENT (SPECIAL)	SQ FT	700	700				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	550	550				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	175	175				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	400	400				
50300260	BRIDGE DECK GROOVING	SQ YD	1860	1860				
50300320	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	24		24			
X0325303	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	970		970			
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6990		6990			
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	24		24			
55039700	STORM SEWERS TO BE CLEANED	FOOT	456	456				
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2				
60260100	INLETS TO BE ADJUSTED	EACH	6	6				
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	6	6				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	7	7				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	3				

* SPECIALITY ITEM

SUMMARY OF QUANTITIES			URBAN 100% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY I000	BRIDGE SFTY-2A			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3700	3700				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	175	175				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	8000	8000				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1230	1230				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	70	70				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	170	170				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	250	250				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5410	5410				
70400500	TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	715		715			
70400600	RELOCATE TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	715		715			
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	140	140				
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7200	7200				
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1120	1120				
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	70	70				
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	120	120				

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. 3520: CROSS POINT ROAD
 SUMMARY OF QUANTITIES
 PLOT DATE: 3/23/2006

Rev. 6-5-06

3/23/2006

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000	BRIDGE SFTY-2A			
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	250	250				
*78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	800	800				
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	288	288				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	55	55				
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	683	683				
X0320887	POLYMER CONCRETE	CU FT	20		20			
X0321744	SILICONE JOINT SEALER, 2"	FOOT	281		281			
X0322066	PROTECTIVE SHIELD (PERMANENT)	SQ YD	234		234			
X0322185	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1865		1865			
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	154.2	154.2				
X0656100	DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT	SQ YD	10	10				
X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	TON	1200	1150	50			
X4066548	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	TON	470	470				
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	775	750	25			
X4409410	BITUMINOUS SURFACE REMOVAL 2 1/4"	SQ YD	13000	13000				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1		1			
X7030125	TEMPORARY PAVEMENT MARKING, LINE 4", TYPE 3, SPECIAL	FOOT	6300	6300				
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	32		32			
Z0006204	BRIDGE DECK HYDRO-SCARIFICATION 1/2"	SQ YD	2450		2450			
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2		2			
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	63		63			
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	19	19				
⊙ Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1		1			
⊙ Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1		1			

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 1000	BRIDGE SFTY-2A			
Z0037620	PAVEMENT RELIEF JOINT, REMOVE AND REPLACE	SQ FT	416		416			
Z0047300	PROTECTIVE SHIELD	SQ YD	1015		1015			

* SPECIALITY ITEM
 ⊙ SFTY-3N

REVISIONS	
NAME	DATE

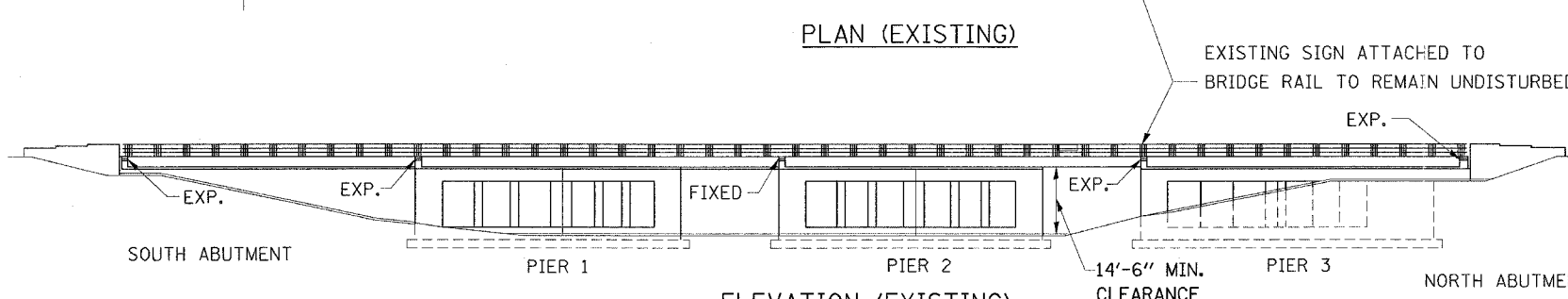
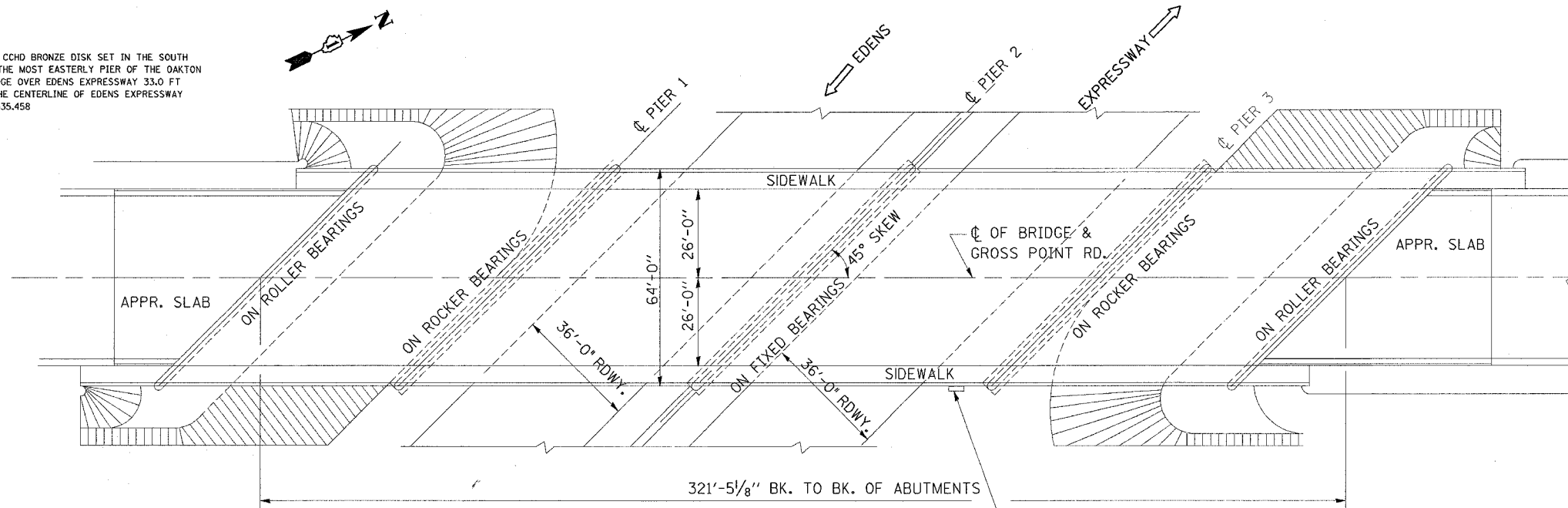
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. 3520: GROSS POINT ROAD
 SUMMARY OF QUANTITIES

Rev. 6-5-06

PLOT DATE: 3/24/2006

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3520	2005-001 RS	COOK	37	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62903				

BENCHMARK:
A STANDARD CCHD BRONZE DISK SET IN THE SOUTH CORNER OF THE MOST EASTERLY PIER OF THE DAKTON STREET BRIDGE OVER EDENS EXPRESSWAY 33.0 FT SOUTH OF THE CENTERLINE OF EDENS EXPRESSWAY ELEVATION 635.458



PLAN (EXISTING)

ELEVATION (EXISTING)

TOTAL BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
BRIDGE DECK GROOVING	SQ. YDS.	1860
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ. YDS.	1865
BRIDGE DECK HYDRO-SCARIFICATION 1/2" (*)	SQ. YDS.	2450
DECK SLAB REPAIR FULL DEPTH (TYPE I)	SQ. YDS.	2
DECK SLAB REPAIR FULL DEPTH (TYPE II)	SQ. YDS.	63
BRIDGE DECK LATEX CONCRETE OVERLAY	SQ. YDS.	1865
SILICONE JOINT SEALER, 2"	FOOT	281
JACK AND REMOVE EXISTING BEARING	EACH	24
FURNISHING AND ERECTING STRUCTURAL STEEL	POUNDS	6990
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	24
BITUMINOUS CONCRETE REMOVAL (**)	SQ. YDS.	2450
POLYMER CONCRETE	CU. FT.	20
PROTECTIVE COAT	SQ. YDS.	1865
APPROACH SLAB REPAIR FULL DEPTH	SQ. YDS.	32
POLYMERIZED LEVELING BINDER, SUPERPAVE, IL 4.75, N-50, 3/4"	TONS	25
BITUMINOUS SURFACE COURSE, SUPERPAVE MIX D, N-50	TONS	50
PROTECTIVE SHIELD (TEMPORARY)	SQ. YDS.	1015
PROTECTIVE SHIELD (PERMANENT)	SQ. YDS.	234
FORMED CONCRETE REPAIR (DEPTH > 5")	SQ. FT.	970

(*) INCLUDES APPROACH SLAB HYDRO-SCARIFICATION QUANTITIES
(**) FOR APPROACH SLAB AND FOR INFORMATION ONLY

SCOPE OF WORK (NOT IN SEQUENCE):

- INSTALL TEMPORARY PROTECTIVE SHIELD SYSTEM
- INSTALL PERMANENT PROTECTIVE SHIELD SYSTEM
- REMOVE EXISTING 1 3/4" THICK BITUMINOUS CONCRETE OVERLAY FROM THE BRIDGE DECK AND ALSO FROM THE TWO APPROACH SLABS
- HYDRO-SCARIFY 1/2" OF CONCRETE DECK AND THE TWO APPROACH SLABS SURFACES
- PERFORM FORMED CONCRETE REPAIR ALONG THE EDGES OF THE SIDEWALK AS SHOWN
- PERFORM FULL DEPTH AND PARTIAL DEPTH PATCHING ON THE BRIDGE DECK AND THE TWO APPROACH SLABS AT AREAS SHOWN AND AS DIRECTED BY THE ENGINEER. INSTALL 2 1/4" OF LATEX CONCRETE OVERLAY ON THE BRIDGE DECK
- REMOVE THE NEOPRENE EXPANSION JOINT FILLERS ON THE TWO ABUTMENTS AND INSTALL SILICON JOINT SEALER WITH POLYMER CONCRETE NOSING
- REMOVE THE FILLERS IN THE TWO RELIEF JOINTS AT THE ENDS OF THE TWO APPROACH SLABS AND INSTALL SILICON JOINT SEALER WITH POLYMER CONCRETE NOSING.
- ON APPROACH SLABS INSTALL POLYMERIZED LEVELING BINDER SUPERPAVE, IL-4.75, N50, 3/4"
- ON APPROACH SLABS INSTALL SURFACE COURSE, SUPERPAVE, MIX. D, N-50, 1 1/2"
- REMOVE CONSTRUCTION DEBRIS AND TEMPORARY PROTECTIVE SHIELD SYSTEM AND RESTORE THE SITE TO ITS ORIGINAL CONDITION AS FAR AS PRACTICAL.

DESCRIPTION:

GROSS POINT ROAD BRIDGE OVER EDENS EXPRESSWAY (I-94) WAS BUILT IN 1954. IT HAS FOUR SPANS. ITS REINFORCED CONCRETE DECK RESTS OVER TWELVE 36WF10 STEEL BEAMS. IT HAS TWO ABUTMENTS AND THREE PIERS AND ALL OF THEM ARE SUPPORTED ON SPREAD FOOTINGS. IN 1982 THE BRIDGE WAS REHABILITATED. INFRARED THERMOGRAPHIC AND GROUND PENETRATING SURVEYS WERE CONDUCTED IN YEAR 1999 THAT IDENTIFIED AREAS THAT NEEDED PARTIAL DEPTH PATCHING, AND FULL DEPTH PATCHING. AND HAD DELAMINATION AND OTHER ANOMALIES.

DESIGN LOADING: HS 20-44

BRIDGE DATA:

DECK SLAB THICKNESS = ± 7"
THICKNESS OF EXISTING OVERLAY = ± 1 3/4"
BRIDGE LENGTH = 318.25'
OUT TO OUT WIDTH = 64.0'
SKEW ANGLE = 45°

TRAFFIC DATA:

FOR GROSS POINT BRIDGE
ADT = 7,800 (YEAR 2003)
PROJECTED ADT = 10,125 (YEAR 2021)
SPEED LIMIT = 35 MPH
FOR EDENS EXPRESSWAY (I-94)
ADT = 174,600 (YEAR 2003)
PROJECTED ADT = 236,115 (YEAR 2021)
SPEED LIMIT = 55 MPH

GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

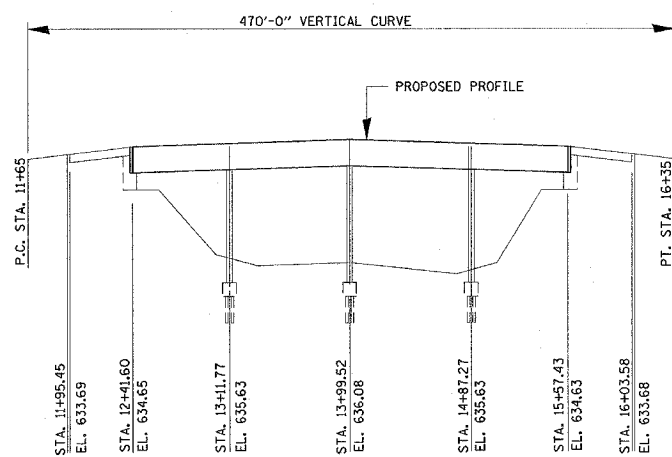
PARTIAL DEPTH PATCHING SHALL BE INCIDENTAL TO HYDRO-SCARIFYING.

THE SIZES AND LOCATIONS OF PATCHING AREAS AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND ARE SUBJECT TO THE ENGINEER'S FIELD VERIFICATION. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

HYDRO-SCARIFICATION OF APPROACH SLAB SHALL BE PAID AS BRIDGE DECK HYDRO-SCARIFICATION.

BRIDGE DECK GROOVING SHALL COMFORM TO ARTICLE 503.17 (4)(b) OF STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

DO NOT SCALE DIMENSIONS.



PROFILE ALONG C OF ROAD AND BRIDGE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GROSS POINT ROAD OVER I-94
PLAN, ELEVATION AND
GENERAL INFORMATION
S.N. 016-0725

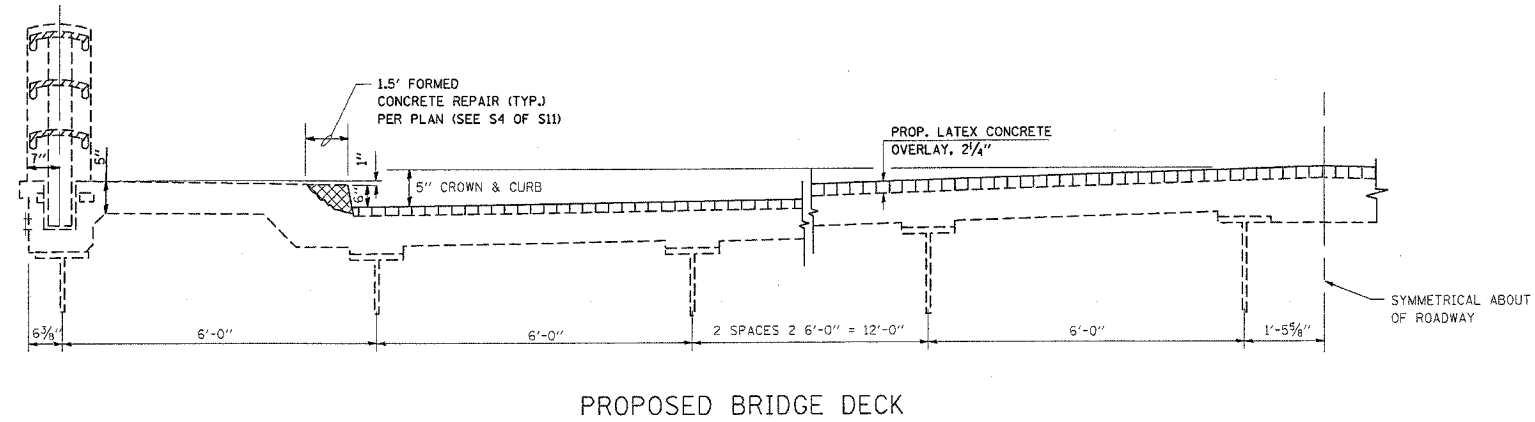
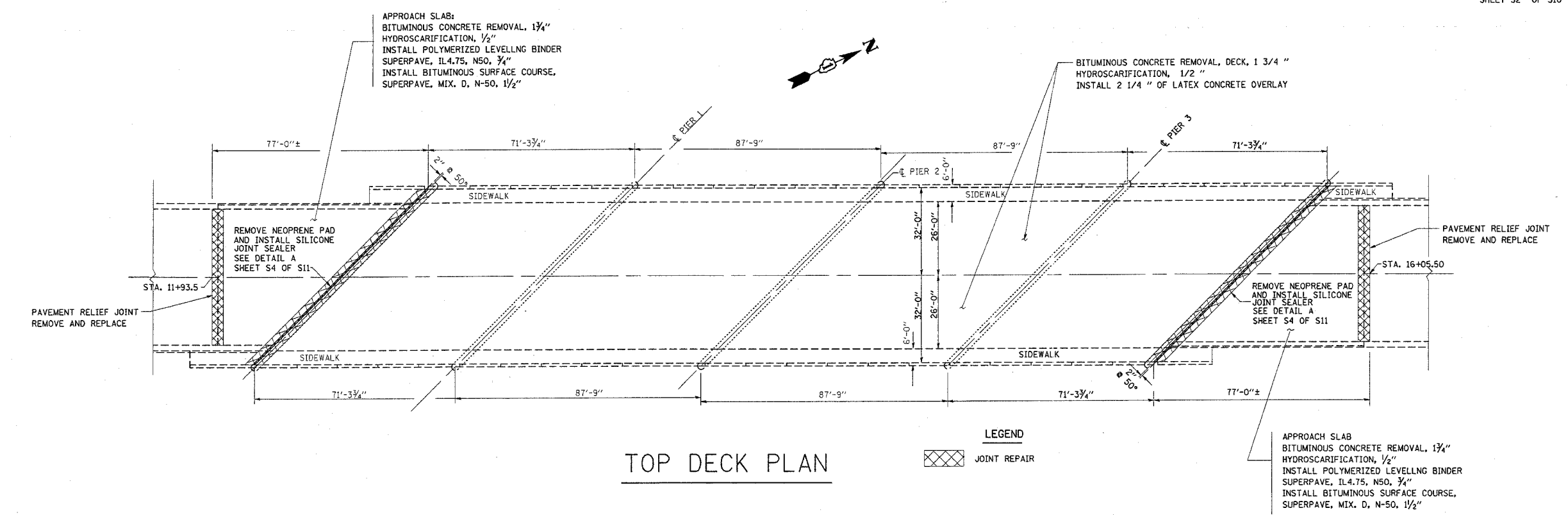
SCALE: VERT. 1" = 20'
HORIZ. 1" = 20'
DATE: MAY, 2005

DRAWN BY: RFL/MVT
CHECKED BY: RSS

Rev. Sheet 6-5-06

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3520	2005-001 RS	COOK	37	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62903				

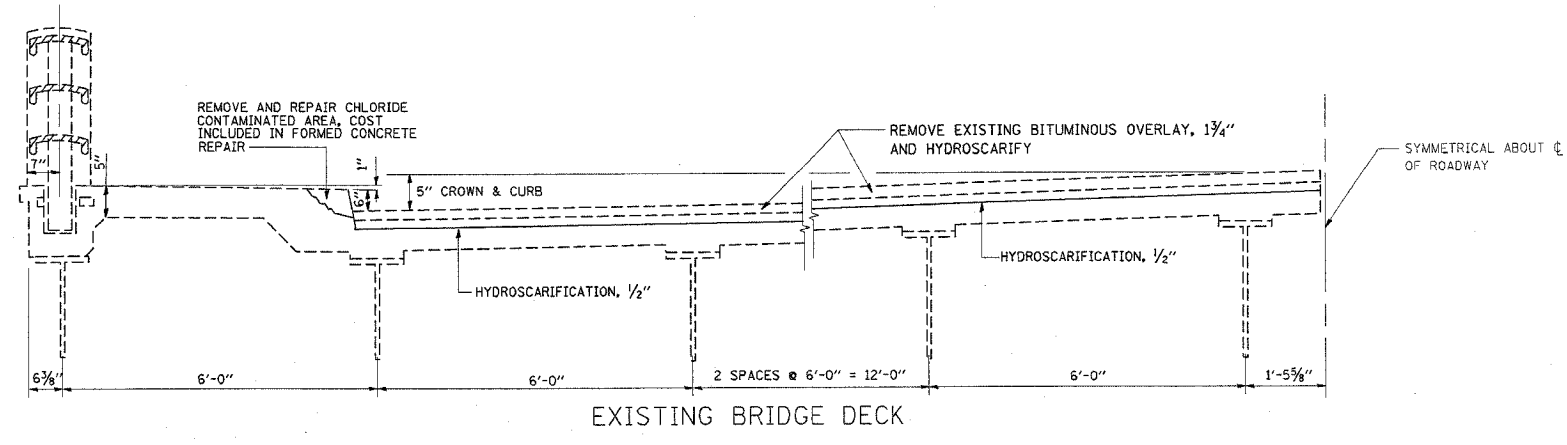
SHEET S2 OF S10



SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ. YDS.	1865
BRIDGE DECK HYDRO-SCARIFICATION 1/2" (*)	SQ. YDS.	2450
BRIDGE DECK LATEX CONCRETE OVERLAY	SQ. YDS.	1865
SILICONE JOINT SEALER, 2"	FOOT	281
BITUMINOUS CONCRETE REMOVAL (**)	SQ. YDS.	585
POLYMERIZED LEVELLING BINDER, SUPERPAVE, IL 4.75, N-50, 3/4"	TONS	25
BITUMINOUS SURFACE COURSE, SUPERPAVE MIX D, N-50, 1 1/2"	TONS	50

* INCLUDES APPROACH SLAB SCARIFICATION QUANTITIES OF 585 SQ. YDS
 ** FOR APPROACH SLABS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 GROSS POINT ROAD OVER I-94
 JOINT REPAIRS, DECK AND
 APPROACH SLABS
 OVERLAY PLAN
 S.N. 016-0725

SCALE: VERT. 1" = 20'
 HORIZ. 1" = 20'

DATE: MAY, 2005

DRAWN BY: RFL/MVT
 CHECKED BY: RSS

Rev. 6-5-06

DISTRICT ONE - DESIGN PLAN PREPARATION ENGINEER JOHN FORTMANN / RUSS SINHA (847) 705-4209 / ATTENTION MARK V. TINLAKOS (847) 705-4266

