STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.U. 2831 / KEDZIE AVENUE **SECTION: 1313. 1–I–2** OVER CAL-SAG CHANNEL **BRIDGE DECK OVERLAY** PROJECT: *ESP-2831(002)* **COOK COUNTY** C-91-094-08

WORTH TOWNSHIP R. 13 E. AL-SAG CHANNEL CHANNEL 143rd St

GROSS LENGTH OF PROJECT = 960.00 FEET = 0.182 MILES NET LENGTH OF PROJECT = 960.00 FEET = 0.182 MILES

DESIGN SECTION ENGINEER

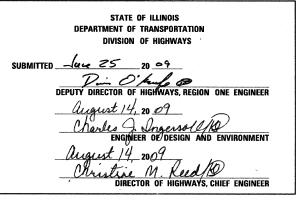


CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS - PLANNERS - SURVEYORS 211 W. WACKER DRIVE CHICAGO, IL. 60606 TELEPHONE: 312-372-2023

2831 1313. 1-I-2 COOK FED. ROAD DIST. NO. 1 ILLINOIS CONTRACT NO. 60D75

D-91-094-08







Birinder S. Soulders BIRINDER S. SACHDEVA, P.E.

June 24, 2009 DATE



Bhotoph No. Send BHADRESH N. SHAH, S.E., P.E. EXPIRES: 11-30-2010

C005,45 3MUL

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FOR INDEX OF SHEETS, SEE SHEET NO. 2

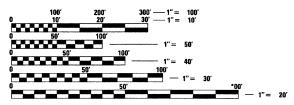
DESIGN DESIGNATION: DESIGN SPEED: 35 M.P.H.

2006 ADT = 15,5002021 ADT = 21,735

MUNICIPALITY INVOLVED:

VILLAGE OF POBBINS

LOCATION: KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS 1-800-892-0123 OR 811

DISTRICT ONE - DESIGN PROJECT MANAGER: ISAAC KWARTENG (847) 705-4230

PROJECT ENGINEER: RON ZENAROSA (847) 705-4212

CONTRACT NO. 60D75

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INDEX OF SHEETS

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41	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001 <i>-05</i>	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420001-07	PAVEMENT JOINTS
420401-07	BRIDGE APPROACH PAVEMENT CONNECTOR
420601 <i>-0</i> 5	24' (7.2 m) PCC PAVEMENT
420701- <i>02</i>	PAVEMENT FABRIC
421001- <i>02</i>	BAR REINFORCEMENT FOR CRC PAVEMENT
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306 <i>-03</i>	CORRUGATED PC CONCRETE MEDIANS
701601-00	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606 <i>-06</i>	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701901- <i>01</i>	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- 1. THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM IDOT FIELD MAINTENANCE ENGINEERS.
- 2. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING 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 BASED UPON THE UNIT PRICE.
- 3. FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. THE CONTRACTOR SHALL PROTECT EXISTING AND NEW UTILITIES AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY IN ORDER TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.
- 6. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FROM BEST AVAILABLE RECORD INFORMATION AND MUST BE FIELD VERIFIED BY
- 7. SAW CUTTING PRIOR TO THE REMOVAL OF ANY ITEMS NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
- 8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 9. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 10. POLLUTION CONTROL: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION.
- 11. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS ADJOINING RESIDENTIAL AREAS.
- 12. 10-FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN.
 THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- 13. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
- 14. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ASSURE THAT NO DEBRIS FALLS IN THE CAL-SAG CHANNEL. THE COST OF THIS WORK SHALL BE INCLUDED AS PART OF THE APPLICABLE PAY ITEMS.
- 15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- 16. AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE CONTRACTOR SHALL CONTACT THE AREA TRAFFIC FIELD TECHNICIAN, PATRICE HARRIS AT (708) 597-9800.
- 17. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE LOW PROFILE.
- 18. ON HIGHWAY STANDARD 420401 "BRIDGE APPROACH PAVEMENT", SUBBASE GRANULAR MATERIAL TYPE B SHALL BE USED IN LIEU OF THE TYPE A SHOWN ON THE STANDARD.
- 19. THE CONTRACTOR SHALL REMOVE, STORE AND RE-INSTALL EXISTING U.S. ARMY CORP OF ENGINEERS MONUMENT.

 THE CONTRACTOR SHALL CONTACT THE U.S. ARMY CORP OF ENGINEERS PRIOR TO REMOVAL. SEE SPECIAL PROVISIONS.

FILE NAME = 60075 index.dgn PLOT DATE = 7/8/2009 CHRISTIAN-ROGE & ASSOCIATES, INC ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-52

C.	DESIGNED	-	S.J.P. / M.A.	REVISED	-
	DRAWN	-	M.A.	REVISED	*
	CHECKED	-	E.J.M.	REVISED	-
274	DATE	-	JULY 8, 2009	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	INDEX OF SH	IEETS, LIST OF STATE STAT	NDARDS AND	GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
		KEDZIE AVEI			2831	1313. 1-I-2	соок	41	2
I							CONTRACT	NO. 6	SOD 75
١	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 13+10	TO STA, 22+70	FED. R	DAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT	***************************************	

	SUMMARY OF QUANTITIES		URBAN 1001. FED.	CONSTRUCTION TYPE CODE KEDZIE AVE.
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	BRIDGE SFTY-2A
20200100	EARTH EXCAVATION	CU YD	163	163
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	37	37
28100209	STONE RIPRAP, CLASS A5	TON	80	80
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	488	488
42000500	PORTLAND CEMENT CONCRETE PAVEMENT. 10"	SQ YD	178	178
-42001165	BRIDGE APPROACH PAVEMENT	SQ YD	380	300
42001200	PAVEMENT FABRIC	SQ YD	178	178
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	108	108
44000100	PAVEMENT REMOVAL	SQ YD	178	178
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	228	228
44000702	APPROACH SLAB REMOVAL, SPECIAL	SQ YD	431	431
44003100	MEDIAN REMOVAL	SQ FT	2,595	2,595
50102400	CONCRETE REMOVAL	CUYD	89.5	89.5
50157300	PROTECTIVE SHIELD	SQ YD	750	750
50200100	STRUCTURE EXCAVATION	CU YD	37	37
50300225	CONCRETE STRUCTURES	CU YD	30.2	30.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	185.9	185.9
50300260	BRIDGE DECK GROOVING	SQ YD	1,772	1,772
50300300	PROTECTIVE COAT	SQ YD	2,395	2,395
50300530	FLOOR DRAIN EXTENSION	EACH	66	66
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4,990	4,990
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	27	27
50501130	STRUCTURAL STEEL REPAIR	POUND	1,300	1,300
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	65,710	65,710
50800515	BAR SPLICERS	EACH	522	522
52000110	PREFORMED JOINT STRIP SEAL	FOOT	171	171
52000216	FINGER PLATE EXPANSION JOINT, 5"	FOOT	56	56

	SUMMARY OF QUANTITIES		URBAN 1007. FEO.	CONSTRUCTION TYPE CODE
		I	TOTAL	KEDZIE AVE. BRIDGE
CODE NO	ITEM	UNIT	QUANTITIES	SFTY-2A
52000600	FABRIC REINFORCED ELASTOMERIC TROUGH	FOOT	67	67
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10	10
52100520	ANCHOR BOLTS, 1"	EACH	54	54
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	108	108
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	1,800	1,800
60624600	CORRUGATED MEDIAN	SQ FT	567	567
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70101800	TRAFFIC CONTROL AND PROTECTION,(SPECIAL)	L SUM	. 1	. 1
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	40	40
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3,384	3,384
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	34	34
78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	20	20
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	20	20
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	100	100
X0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	48	48
X0322185	BRIDGE DECK LATEX CONCRETE OVERLAY, 21/4 INCHES	SQ YD	1,864	1,864
X0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	554	554
X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	7,227	7,227
X0712400	TEMPORARY PAVEMENT	SQ YD	250	250
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	10	10
XX006752	REMOVE, STORE AND RE-INSTALL EXISTING MONUMENT	L SUM	1	1
Z0006198	BRIDGE DECK HYDRO-SCARIFICATION 1/4"	SQ YD	1,864	1,864
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5	5
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	89	-89
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	5	5
78300100	PAVEMENT MARKING REMOVAL	SQFT	528	528

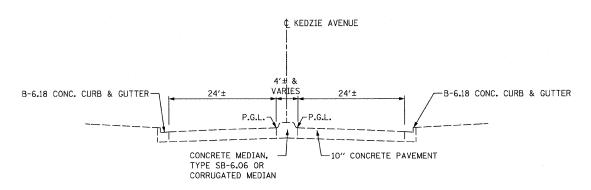
* SPECIALTY ITEM

FILE NAME = 60075 S00.dgn PLOT DATE = 7/8/2009

REVISED -REVISED -- JULY 8, 2009 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

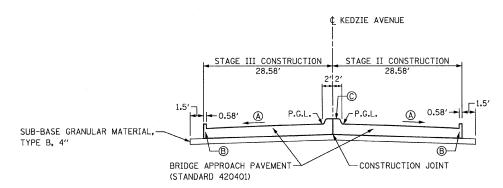
SUMMARY OF QUANTITIES KEDZIE AVENUE SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 13+10 TO STA. 22+70



KEDZIE AVENUE EXISTING TYPICAL SECTION

STA. 13+10 TO STA. 22+70

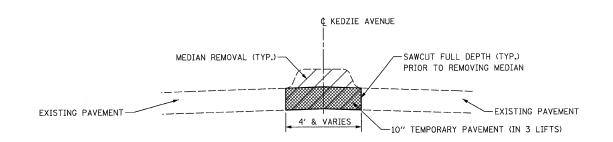
BRIDGE OMISSION STA. 16+15.83 TO STA. 19+62.18



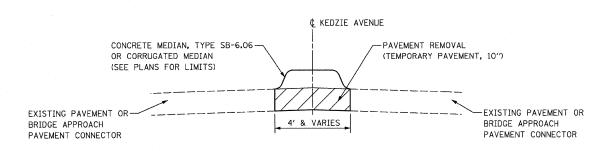
KEDZIE AVENUE PROPOSED APPROACH PAVEMENT TYPICAL SECTION

STA. 15+85.83 TO STA. 16+15.83 STA. 19+62.18 TO STA. 19+92.18

- A MEET EXISTING
- (B) CONSTRUCT CONCRETE CURB SECTION TO MATCH A TYPE B-6.24 CONFIGURATION AS SHOWN ON STANDARD 606001
- © CONSTRUCT MEDIAN SECTION TO MATCH A TYPE SB-6.06 CONFIGURATION AS SHOWN ON STANDARD 606301 $_{\star}$



KEDZIE AVENUE TEMPORARY PAVEMENT TYPICAL SECTION STA. 13+10 TO STA. 15+75.83 STA. 20+02.18 TO STA. 22+70



KEDZIE AVENUE MEDIAN RESTORATION TYPICAL SECTION STA. 13+10 TO STA. 15+85.83 STA. 19+92.18 TO STA. 22+70

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	AC TYPE	AIR VOIDS
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 10"	PG 64-22*	4% e 50 GYI

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

ı	FILE	NAME	Ξ	6ØD75 typ.dgn
	PLOT	DATE	Ξ	60D75 typ.dgn 7/8/2009

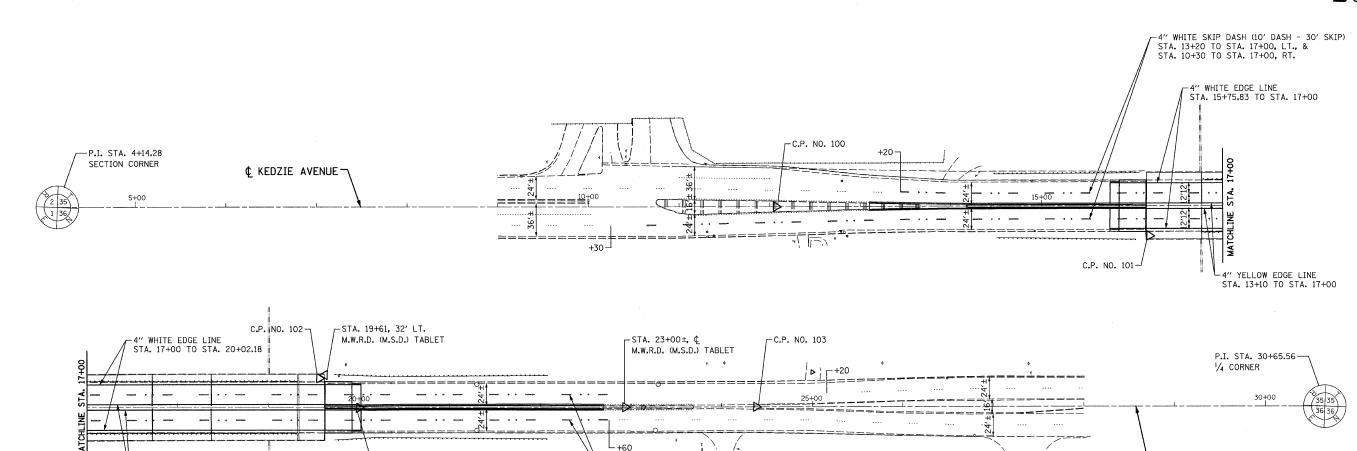
CHRISTIAN-ROGE & ASSOCIATES, II ENGINEERS-PLANNERS-SURVEYOR	
211 WEST WACKER DRIVE	
CHICAGO, ILLINOIS 60606	
PHONE: (312)372-2023 FAX: (312)372-	5274

STIAN-ROGE & ASSOCIATES, INC.	DESIGNED		S.J.P. / M.A.	REVISED	-
SINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE	DRAWN	-	M.A.	REVISED	-
CHICAGO, ILLINOIS 60606	CHECKED	-	E.J.M.	REVISED	-
: (312)372-2023 FAX: (312)372-5274	DATE	-	JULY 8, 2009	REVISED	

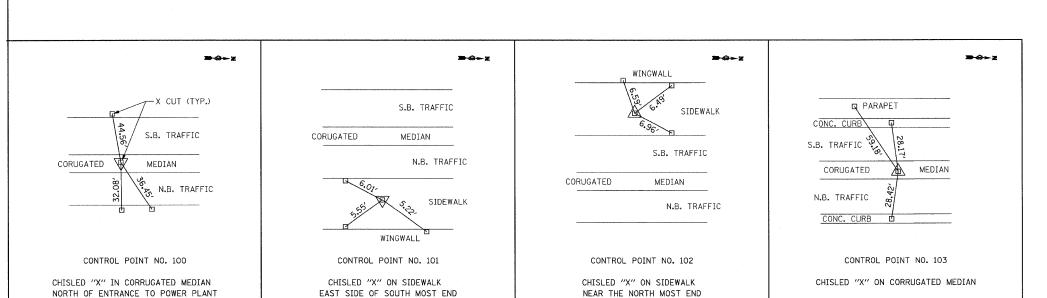
STATE	OF	ILLINOIS
DEPARTMENT	OF	TRANSPORTATION

 	TYPICAL SECTIONS & DETAILS				F.A.U. SECTION		COUNTY	TOTAL SHEETS		
		ZIE AVEI			2831	1313. 1-I-2	соок	41	4	
KEDZIE AVEROL								CONTRACT	NO. 6	OD75
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 13+10 TO STA. 22+70 FED. ROAD DIST. NO. 1 ILLINOIS FED										





-4" WHITE SKIP DASH (10' DASH - 30' SKIP) STA. 17+00 TO STA. 25+20, LT., & STA. 17+00 TO STA. 22+60, RT.



-STA. 19+99.97, 0.75' RT.

SEE GENERAL NOTE #19.

U.S. ARMY CORP OF ENGINEERS MONUMENT

REMOVE, STORE AND RE-INSTALL EXISTING MONUMENTS

	CENTERLINE ALIGNMENT						
NO.	DESCRIPTION	NORTHING	EASTING	STATION			
135	P.I. & SEC. CORNER	1814900.85	1157580. 31	4+14.28			
131	P.I. & 1/4 CORNER	1817550.02	1157474.46	30+65.56			

−¢ KEDZIE AVENUE

PROJECT BENCHMARKS:

- 1. NGS ME1838 (A138): SET VERTICALLY IN THE NORTH FACE OF THE CONCRETE FOUNDATION AT 2801 WEST BROADWAY. ELEVATION = 596.36
- BMK 135 AT EAST CORNER OF TRAFFIC CONTROLLER FOUNDATION NW QUADRANT OF KEDZIE & 135TH ST. ELEVATION = 597.09

PAVEMENT MARKING NOTES:

1. ALL PAVEMENT MARKINGS ON BRIDGE DECK AND CONCRETE PAVEMENT SHALL BE POLYUREA, TYPE I.

FILE NAME = 60D75 align.dgn	CHRISTIAN-ROGE & ASSOCIATES, INC.	DESIGNED	-	S.J.P. / M.A.	REVISED -
PLOT DATE = 7/8/2009	ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE	DRAWN -	-	M.A.	REVISED -
	CHICAGO, ILLINOIS 60606	CHECKED	_	E.J.M.	REVISED -
	PHONE: (312)372-2023 FAX: (312)372-5274	DATE	-	JULY 8, 2009	REVISED -
	and the same of th				

STA. 16+19.274, 32.73' RT.

N 1816106.19

E 1157564.91

-4" YELLOW EDGE LINE

STA. 12+07.17, 0.17' RT.

N 1815693.11

E 1157548.82

STA. 17+00 TO STA. 22+70

STATE	OF	ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

STA. 19+56.22, 32.05'LT.

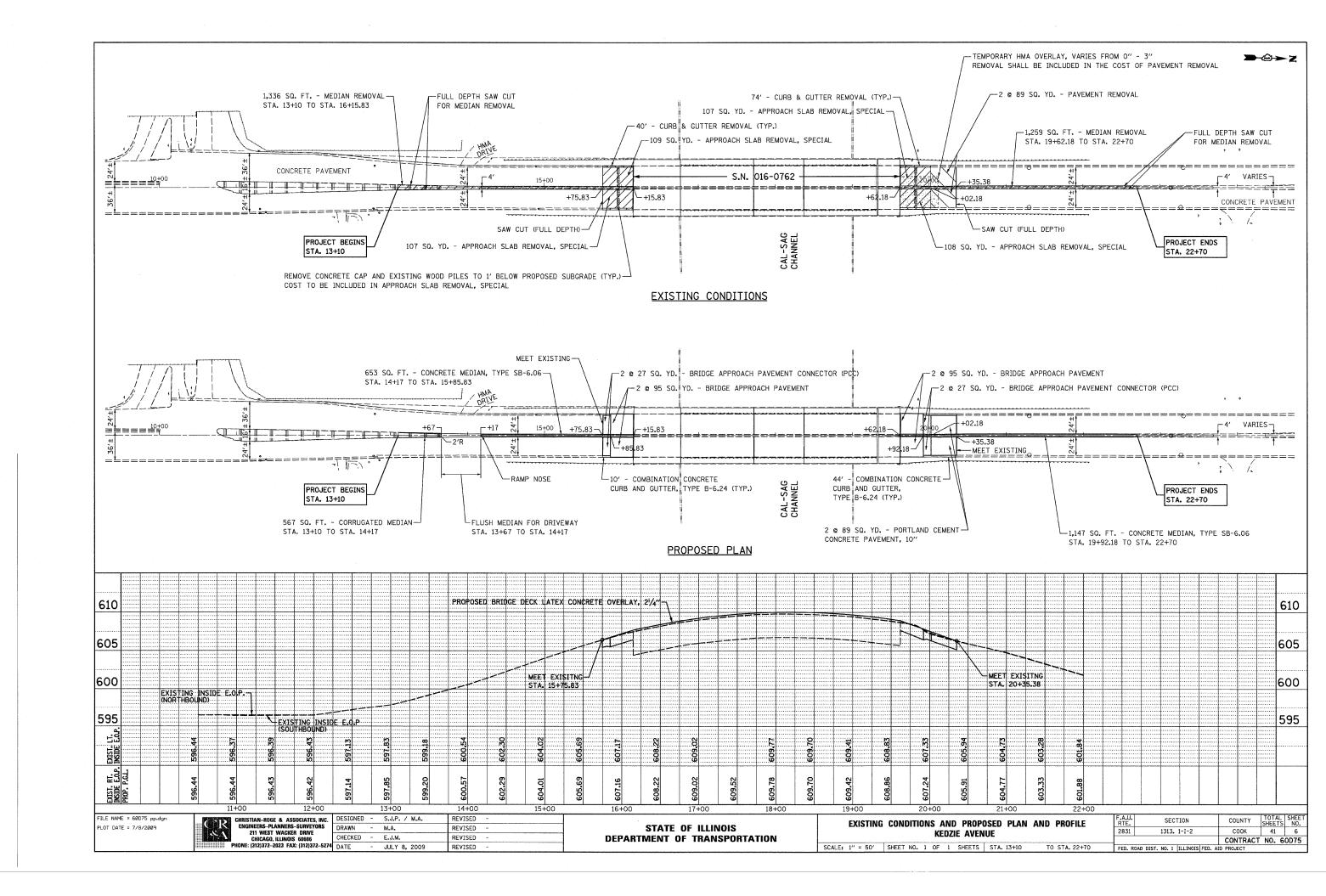
N 1816440.29

E 1157486.73

STA. 24+38.25, 0.17' LT.

N 1816923.20

E 1157499.34						
ALIGNMENT, TIES, BENCHM	ARKS & PAVEMENT MARKINGS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	IE AVENUE	2831	1313. 1-I-2	COOK	41	5
KLUCIL AYLNOL				CONTRACT	NO. 6	OD75
SCALE: 1" = 50' SHEET NO. 1 OF 1	SHEETS STA. 13+10 TO STA. 22+70	FED. ROAD	DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		



SUGGESTED STAGING AND MAINTENANCE OF TRAFFIC

CONSTRUCTION STAGING

STAGE I

- REMOVE THE LONGITUDINAL JOINT IN THE MEDIAN OF THE BRIDGE.
- REMOVE THE MEDIAN AND PLACE TEMPORARY PAVEMENT AS NEEDED FOR STAGES II AND III.

STAGE II

- BEGIN AND COMPLETE THE WEARING SURFACE REMOVAL AND
REPLACEMENT AND REPAIRS TO THE STRUCTURE ON THE SOUTH BOUND HALF OF THE BRIDGE.

DATE

JULY 8, 2009

REVISED

- REMOVE AND REPLACE THE SOUTH BOUND LANES APPROACH SLABS.

STAGE III

- BEGIN AND COMPLETE THE WEARING SURFACE REMOVAL AND REPLACEMENT AND REPAIRS TO THE STRUCTURE ON THE NORTH BOUND HALF OF THE BRIDGE.
- REMOVE AND REPLACE THE NORTH BOUND APPROACH SLABS.
- REMOVE THE TEMPORARY PAVEMENT AND PLACE CONCRETE MEDIAN.
- PLACE FINAL PAVEMENT MARKINGS AND RPM'S.

MAINTENANCE OF TRAFFIC

STAGE I (NOT SHOWN)

- PLACE ADVANCED SIGNING AS SHOWN ON STANDARD 701601.
- USE DAILY LANE CLOSURES TO REMOVE MEDIAN AND PLACE TEMPORARY PAVEMENT.

 SEE IDOT STANDARD: 701601 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN.
- CLOSE INSIDE LANES IN EACH DIRECTION ON BRIDGE USING IDOT STANDARD 701601.

STAGE II

- SHIFT S.B. TRAFFIC TO LANE CONFIGURATION SHOWN FOR STAGE II.

STAGE III

- SHIFT N.B. LANE TO OUTSIDE LANE OF N.B. KEDZIE AVENUE
 PLACE TEMPORARY PAVEMENT MARKINGS FOR STAGE III CONSTRUCTION.
- SHIFT S.B. TRAFFIC TO LANE CONFIGURATION FOR STAGE III.
- USE DAILY LANE CLOSURES DURING THE RECONSTRUCTION OF

 THE MEDIAN AND OTHER END OF CONTRACT WORK. SEE IDOT STANDARD:

 701601 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN

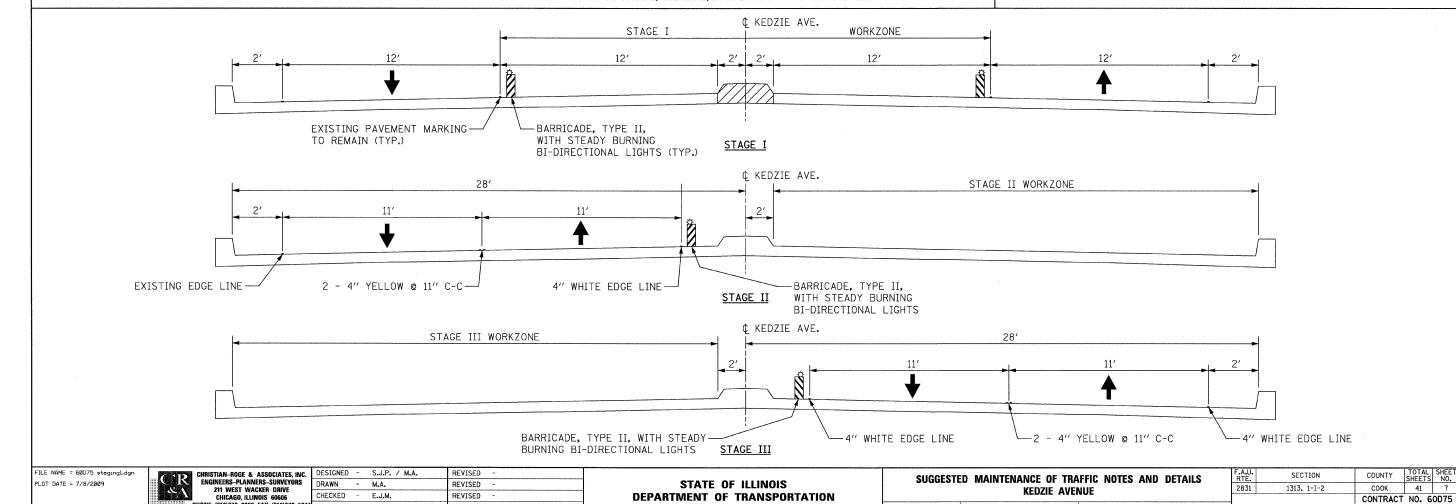
TRAFFIC CONTROL GENERAL NOTES

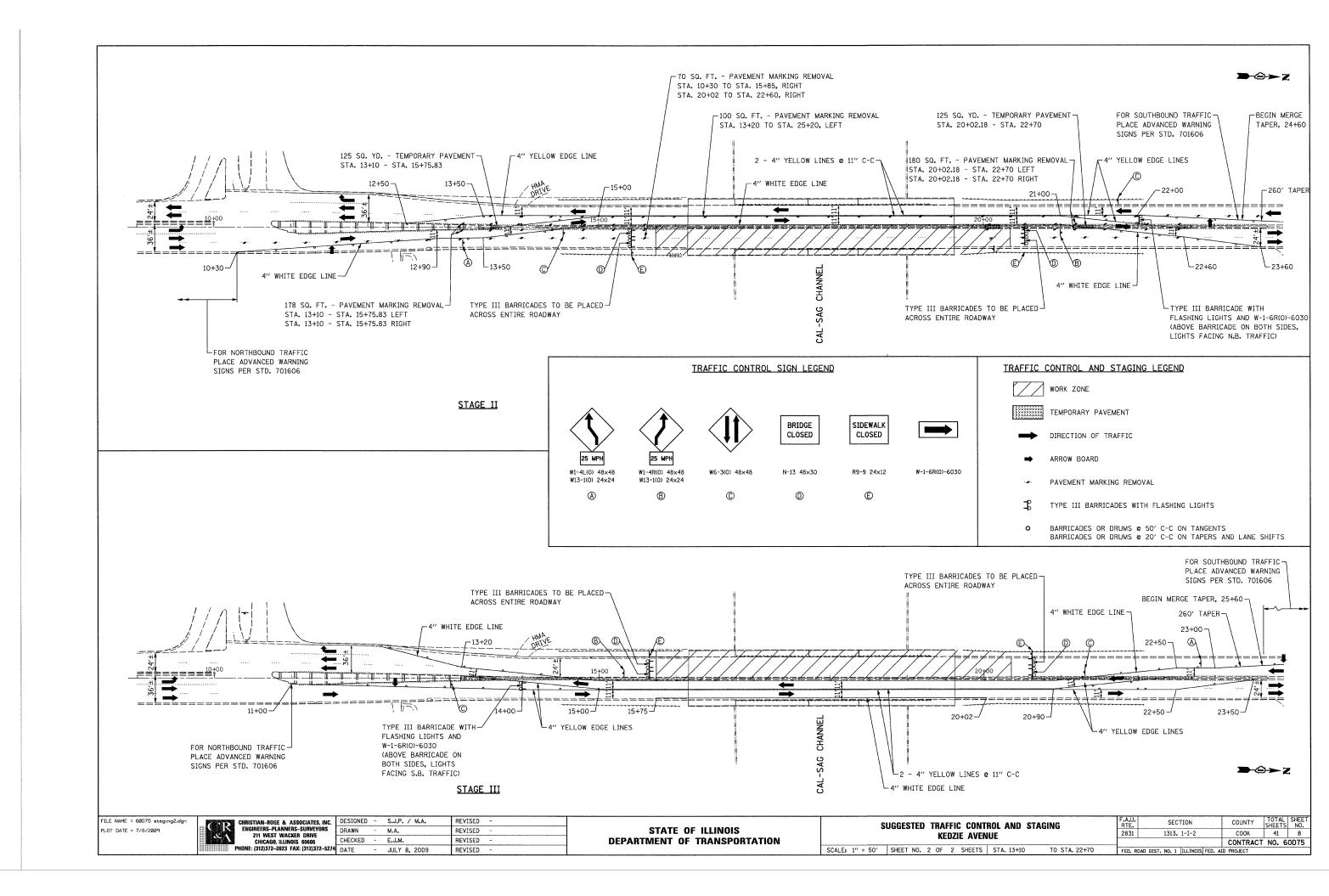
1. THE CONTRACTOR SHALL NOT MOUNT SIGNS ON EXISTING SIGNS.

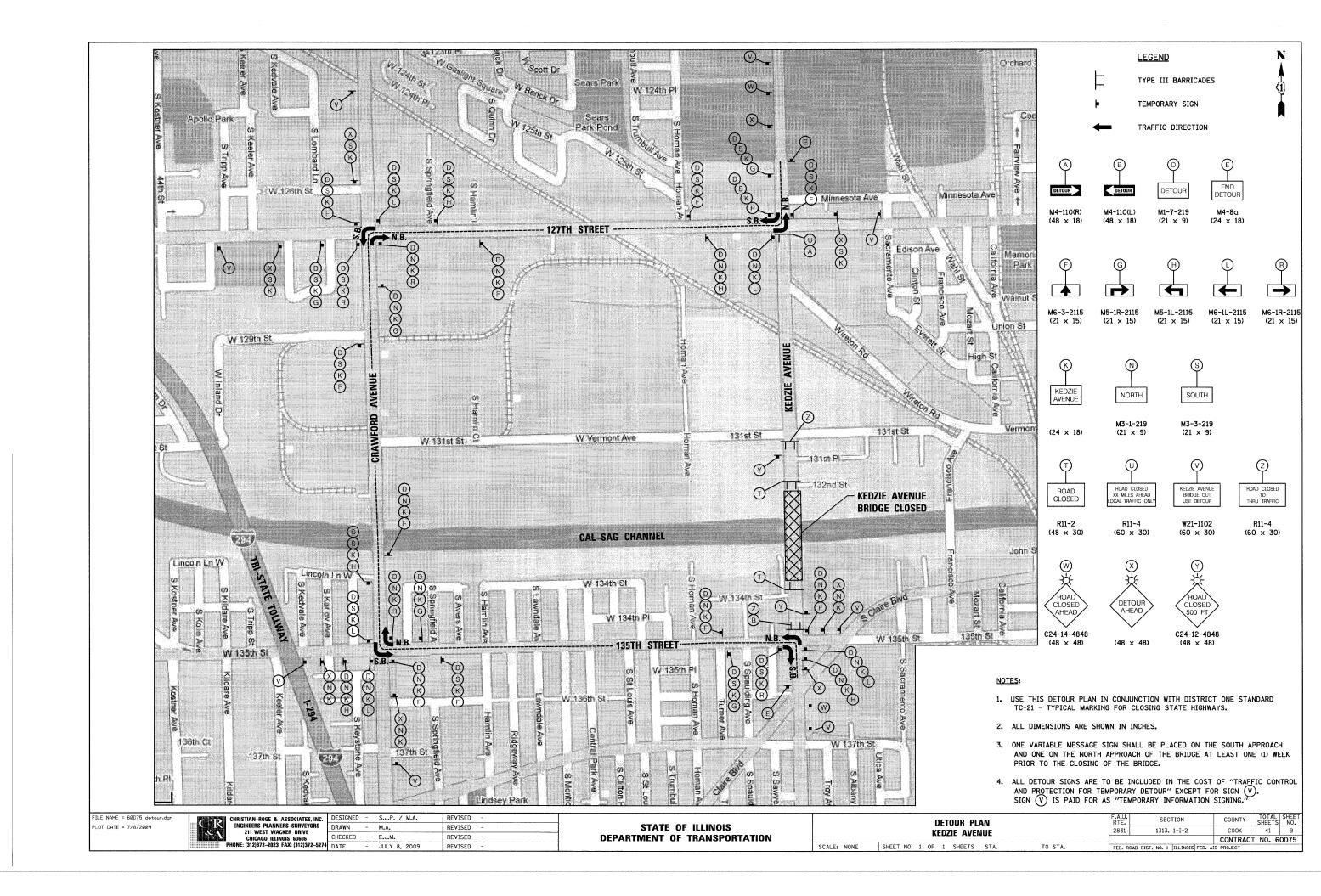
SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. 13+10

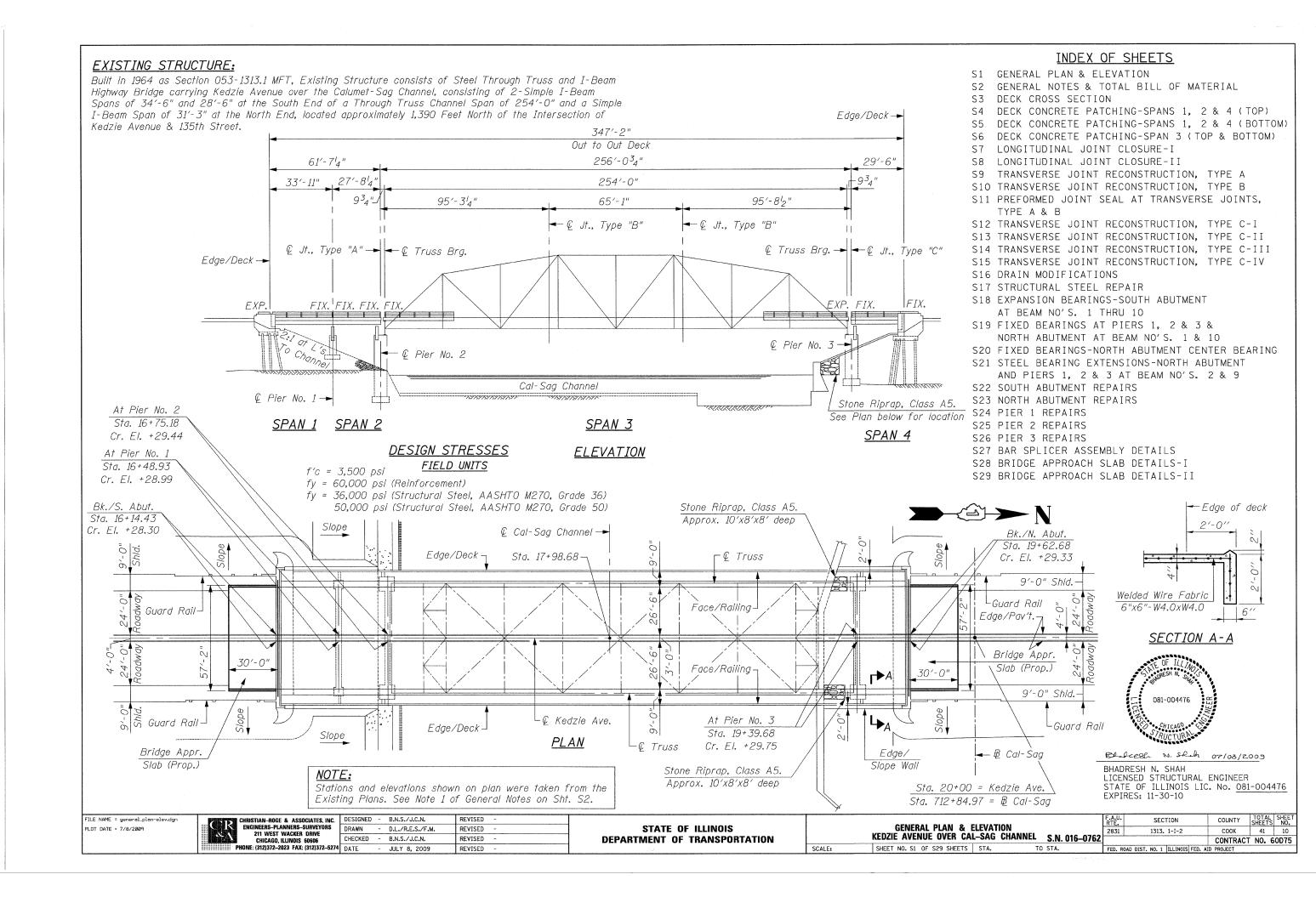
TO STA, 22+70

- 2. THE CONTRACTOR SHALL MAINTAIN SATISFACTORY INGRESS AND EGRESS TO ADJACENT PROPERTIES THROUGHOUT THE CONSTRUCTION.
- 3. INSTALL TEMPORARY SIGN PANEL ASSEMBLY AS SHOWN IN PLANS AND AS DIRECTED BY THE ENGINEER. TO BE PAID FOR BY ITEM "TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE".
- 4. ALL TEMPORARY PAVEMENT MARKING SHALL BE WET REFLECTIVE TEMPORARY TAPE, TYPE III, $4^{\prime\prime}$.
- 5. THE FIRST TWO SIGNS ENTERING THE WORK ZONE SHALL HAVE MONO-DIRECTIONAL FLASHING BEACONS.
- 6. CLOSE BRIDGE USING DETOUR PLAN WHEN PLACING AND CURING THE BRIDGE DECK LATEX CONCRETE OVERLAY.









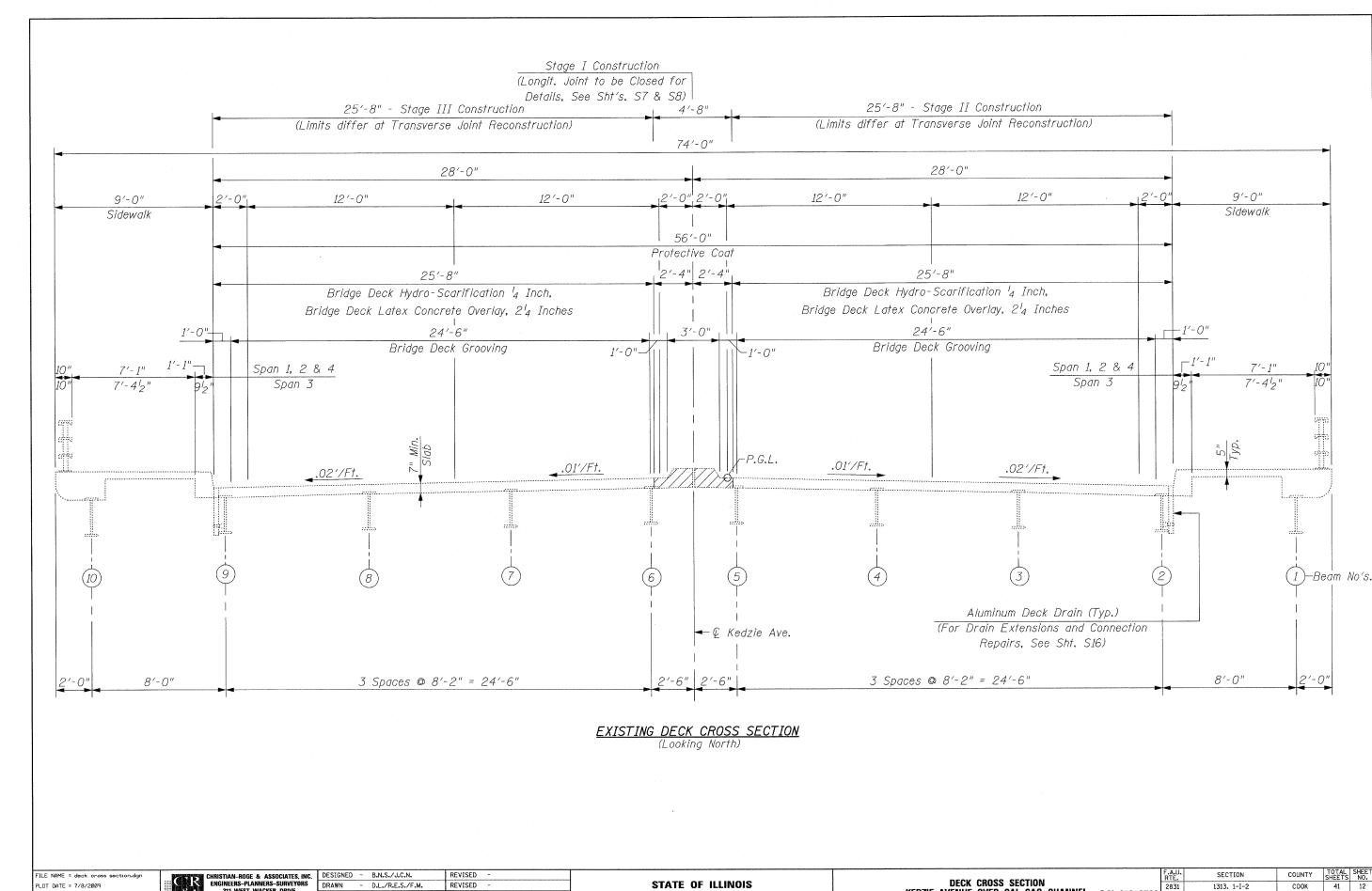
TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SUPER.	SUB.	TOTAL
Bridge Deck Hydro-Scarification ¹ 4 Inch	Sq. Yd.	1,864		1.864
Bridge Deck Latex Concrete Overlay, 2 ¹ 4 Inches	Sq. Yd.	1,864	-	1,864
Bridge Deck Grooving	Sq. Yd.	1,772	-	1,772
Protective Coat	Sq. Yd.	2,188	-	2,188
Reinforcement Bars, Epoxy Coated	Pound	64,530	1,180	65,710
Protective Shield	Sq. Yd.	750	-	750
Concrete Removal	Cu. Yd.	77	12.5	89.5
Jack and Remove Existing Bearings	Each	27	-	27
Elastomeric Bearing Assembly, Type II	Each	10	-	10
Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	-	554	554
Preformed Joint Strip Seal	Foot	171	-	171
Concrete Superstructure	Cu. Yd.	185.9	-	185.9
Concrete Structures	Cu. Yd.	-	30.2	30.2
Bar Splicers	Each	382	140	522
Anchor Bolts, 1"\$	Each	54	-	54
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5	-	.5
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	89	-	89
Finger Plate Expansion Joint, 5"	Foot	56	-	56
Floor Drain Extension	Each	66	_	66
Structural Steel Repair	Pound	1,300	-	1,300
Furnishing and Erecting Structural Steel	Pound	4,990	-	4,990
Fabric Reinforced Elastomeric Trough	Foot	67	-	67
Structure Excavation	Cu. Yd.	-	37	37
Porous Granular Embankment, Special	Cu. Yd.		37	37
Temporary Shoring and Cribbing	Each	5	-	5
Stone Riprap, Class A5	Ton	-	80	80

GENERAL NOTES:

- 1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 2. The Contractor must use extreme caution during concrete removal and must not nick, cut or damage in any way, any of the steel beams. Any damage caused to any of the Steel Beams by the Contractor shall be repaired by the Contractor at no cost to I.D.O.T.
- 3. Areas of Deck Repairs shown are estimated. The Engineer shall show actual locations of Deck Repairs on
- 4. All Structural Steel shall conform to AASHTO Classifications M-270 Gr. 36, unless otherwise noted.
- 5. Fasteners shall be high strength bolts. Bolts 3_4 on open holes ${}^{13}_{16}$ on the open holes otherwise noted.
- 6. Finger Plate Extension Joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
- 7. The Finger Plates shall be flame cut as provided in Article 505.04(k) of the Standard Specifications.
- 8. Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.
- 9. The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1. See Special Provisions "Cleaning and Painting New Metal Structures".
- 10. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 11. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- 12. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the Deck is poured at an ambient temperature other than 50°F.
- 13. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
- 14. The Contractor shall provide support and/or shoring systems for the slab and beam in the repair areas as required in order to maintain the existing deck profile. The support and/or shoring systems shall be approved by the Engineer. Such approval will not relieve the Contractor of responsibility for the safety of the structure. See Special Provision "Temporary Shoring and Cribbing".
- 15. Reinforcement Bars shall conform to the requirements of ASTM A-706, Grade 60. See Special Provisions.
- 16. Reinforcement Bars designated (E) shall be Epoxy Coated.

SCALE:



211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606

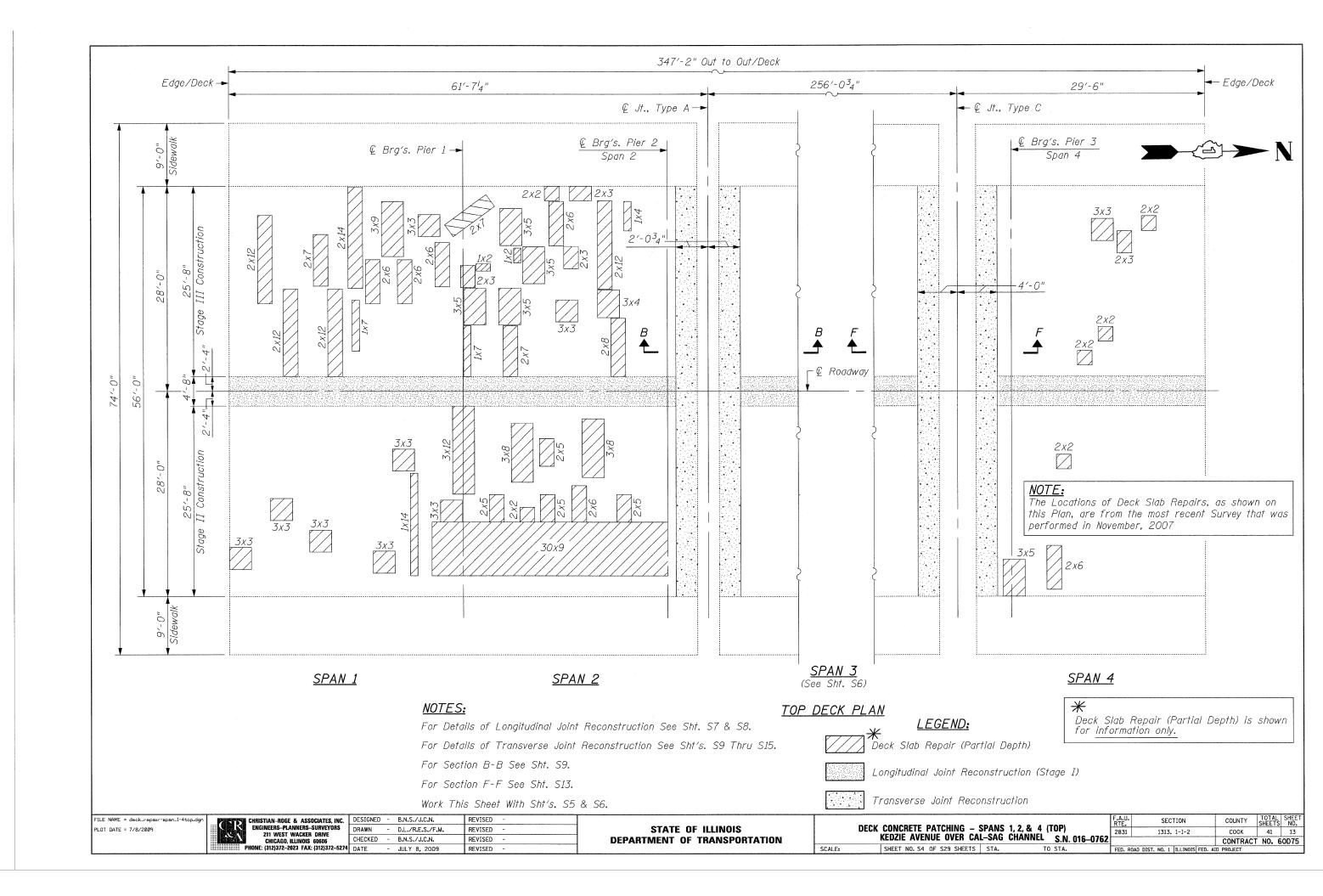
DRAWN - D.L./R.E.S./F.M. REVISED -CHECKED - B.N.S./J.C.N. - JULY 8, 2009 REVISED

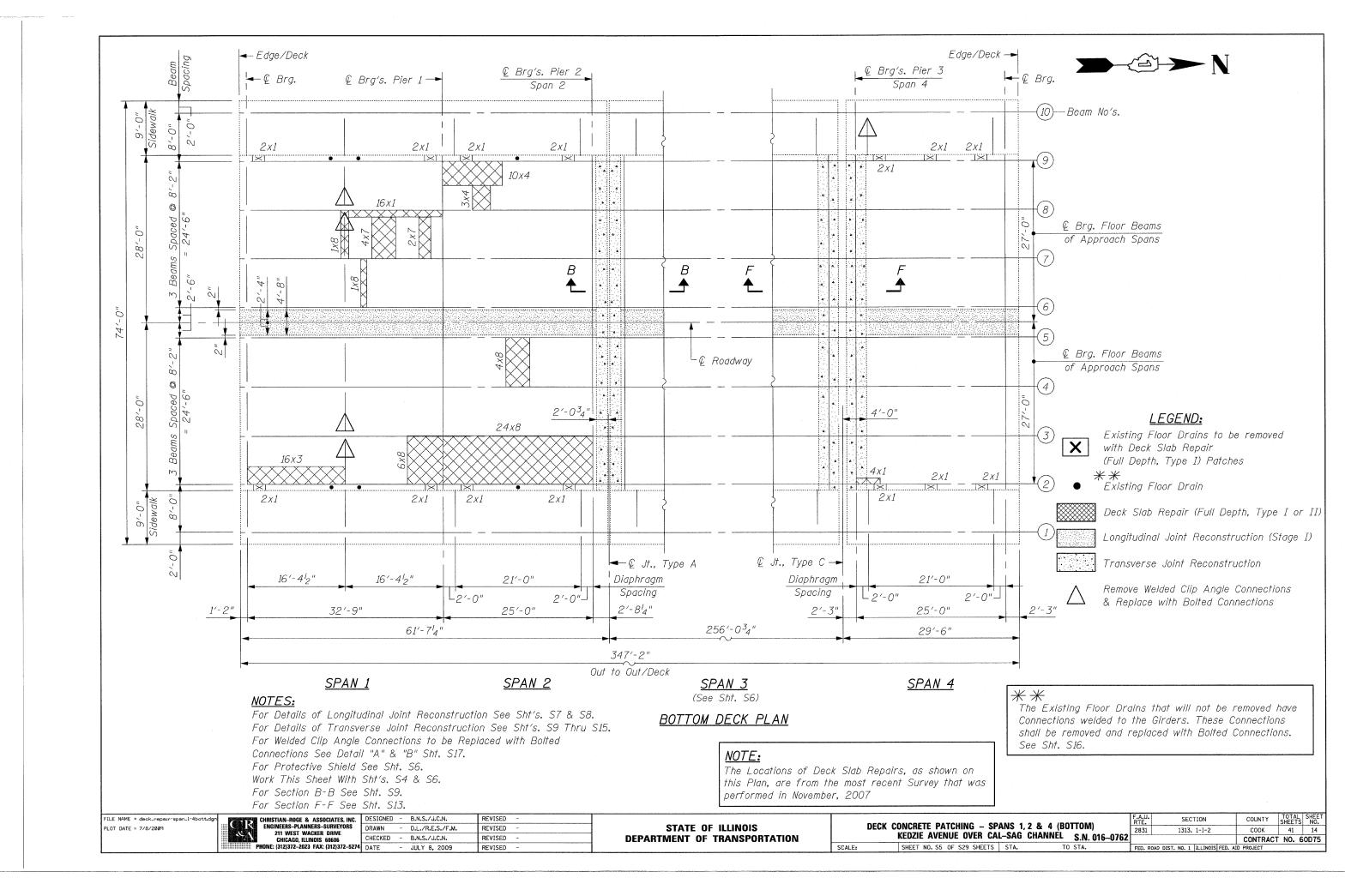
DEPARTMENT OF TRANSPORTATION

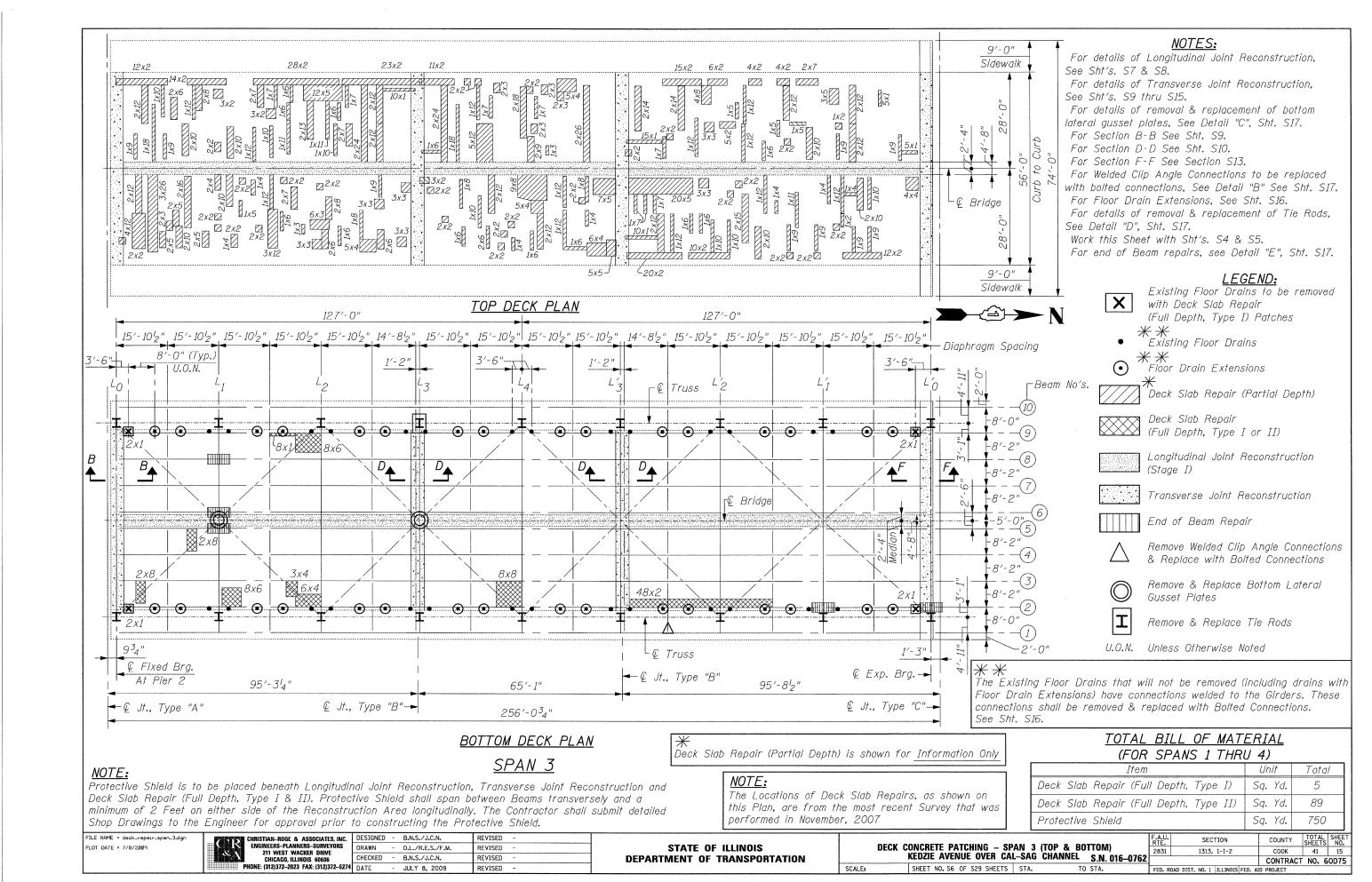
DECK CROSS SECTION
KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762 SHEET NO. S3 OF S29 SHEETS STA.

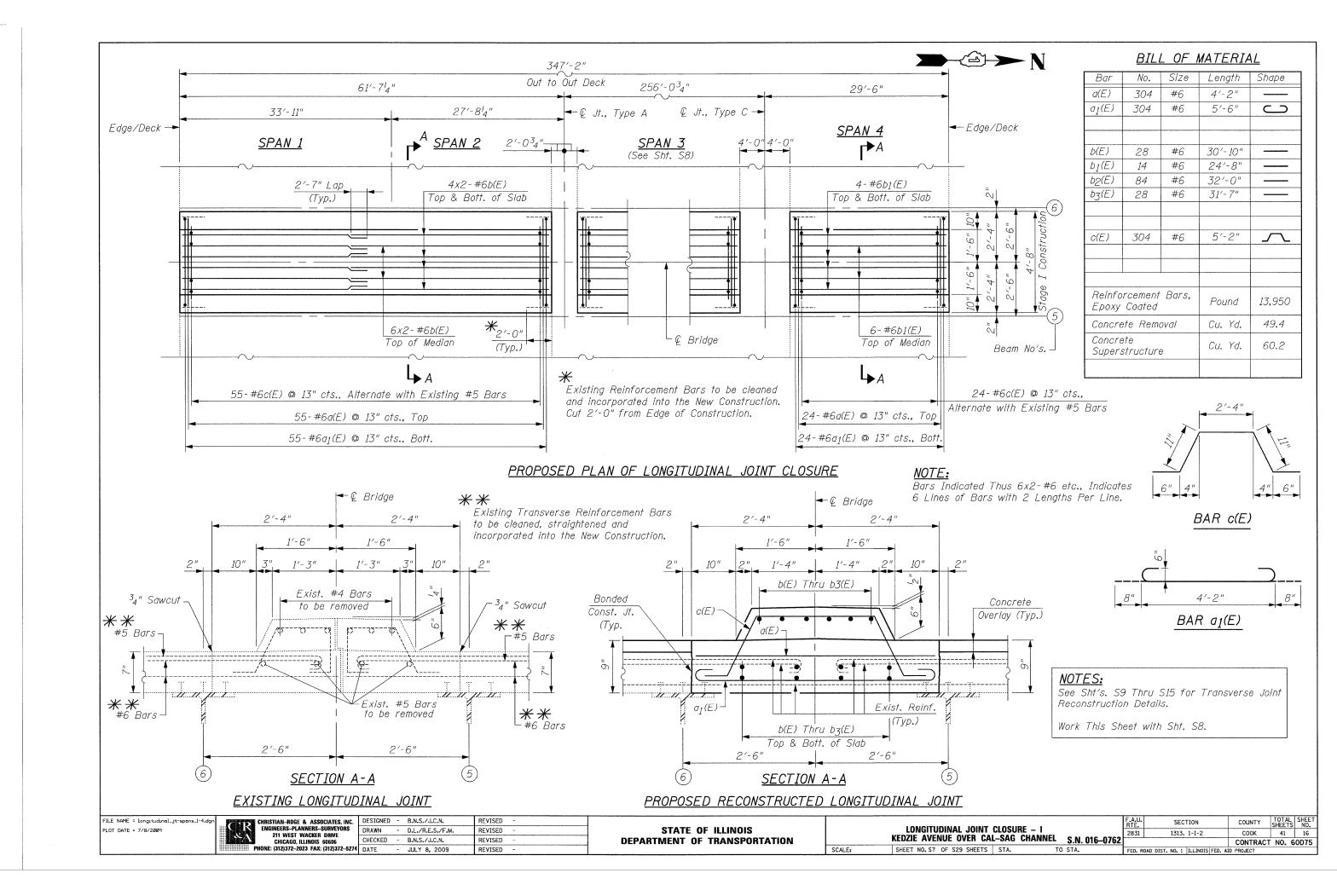
COUNTY TOTAL SHEET NO. COOK 41 12

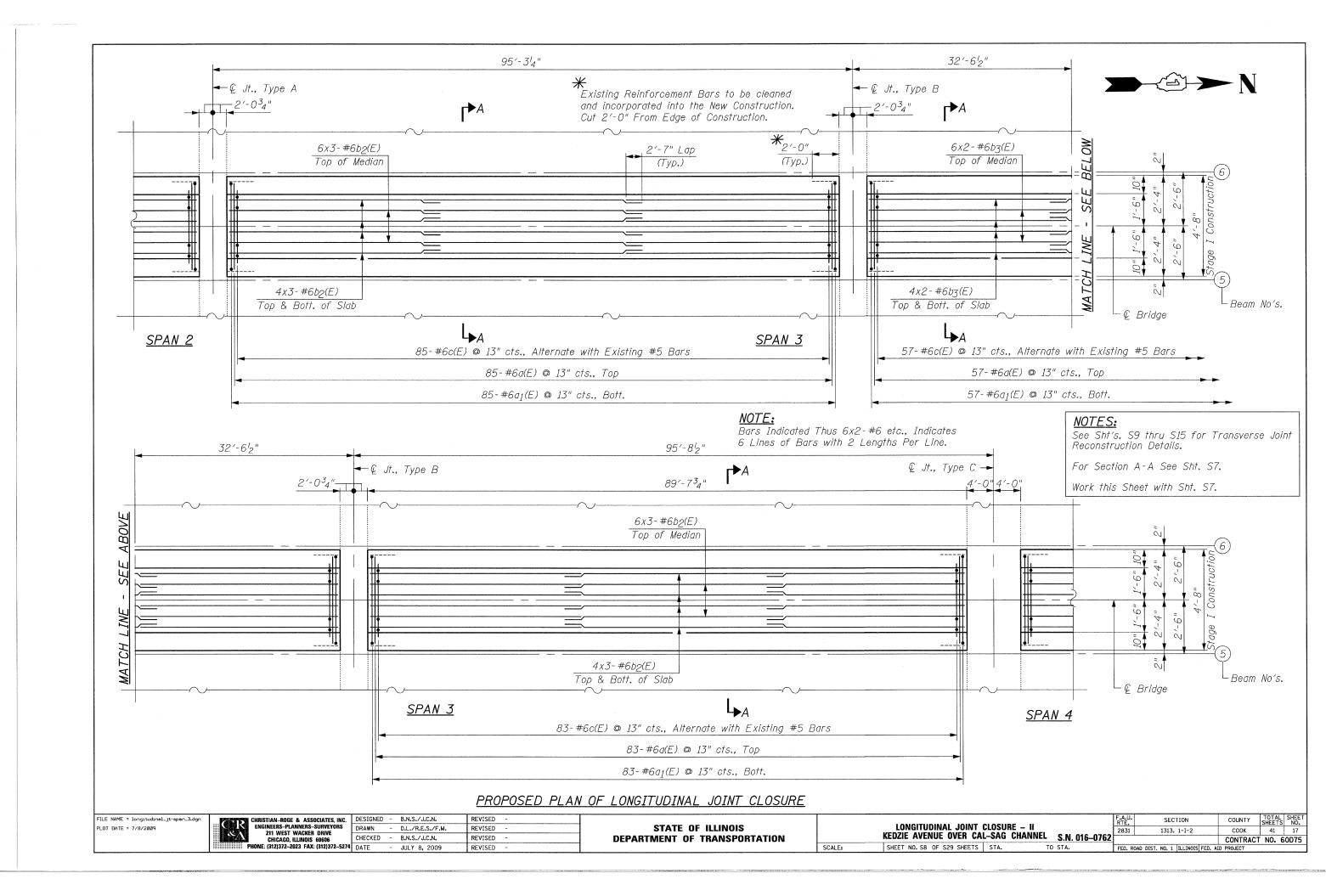
CONTRACT NO. 60D75 1313. 1-I-2

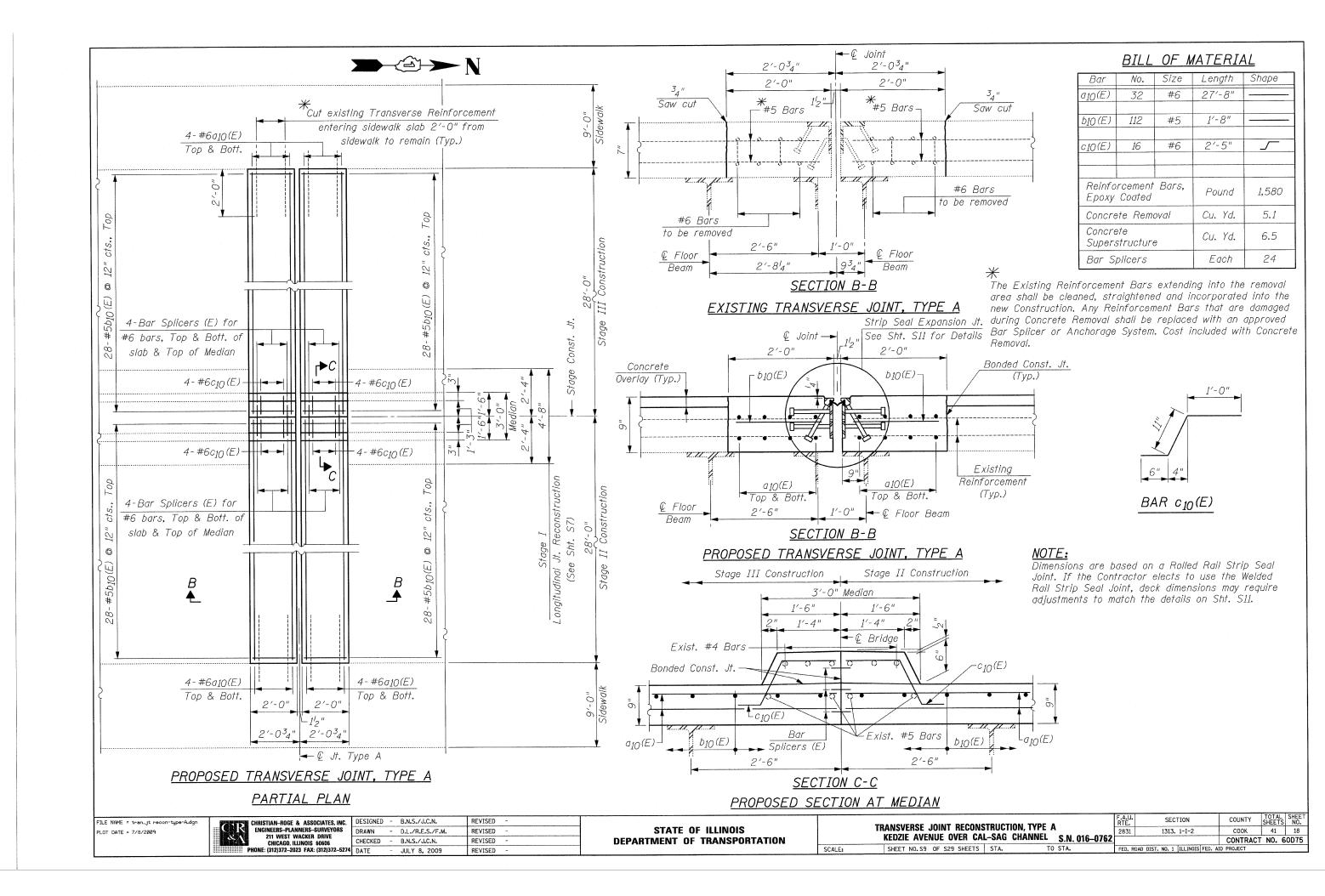


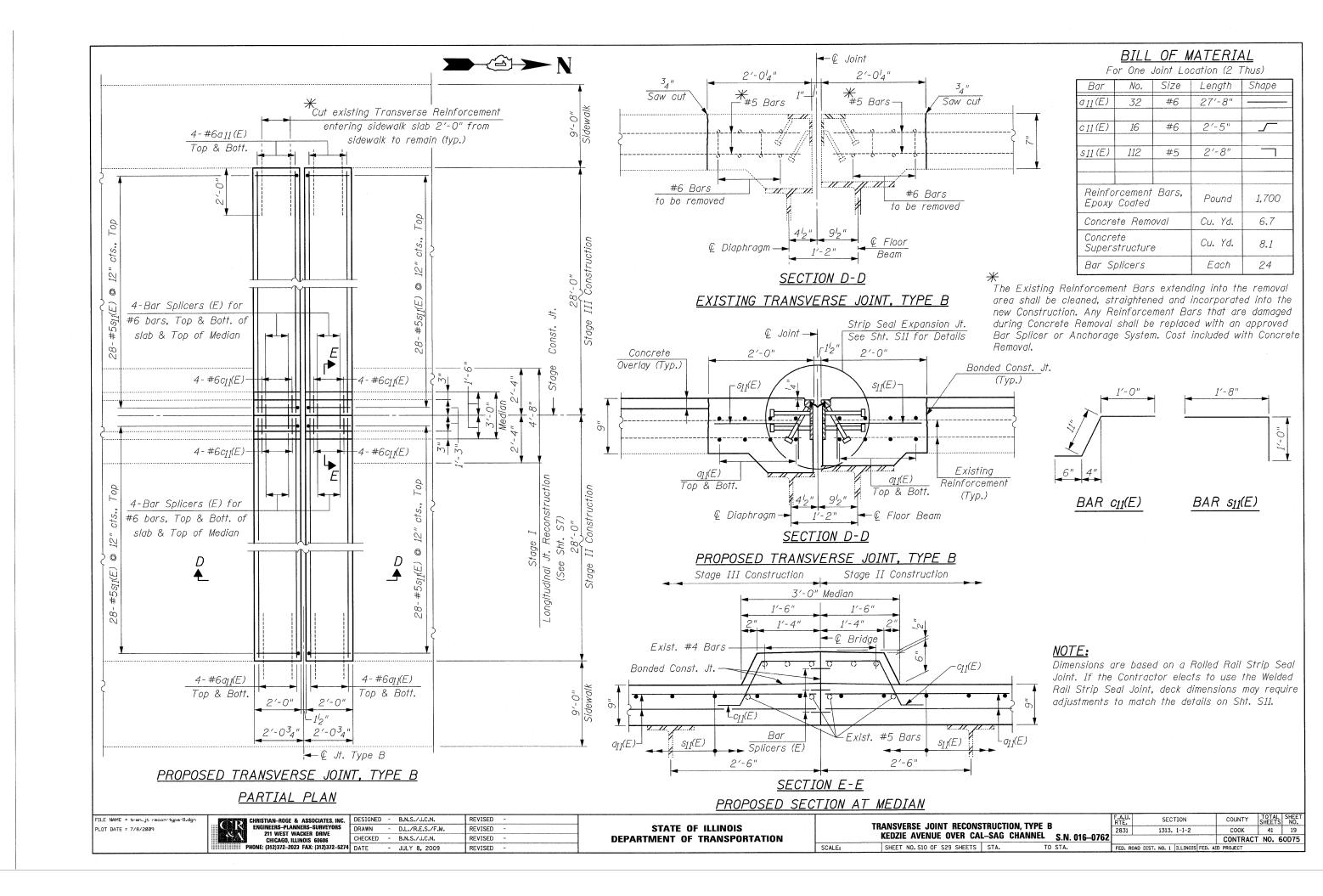


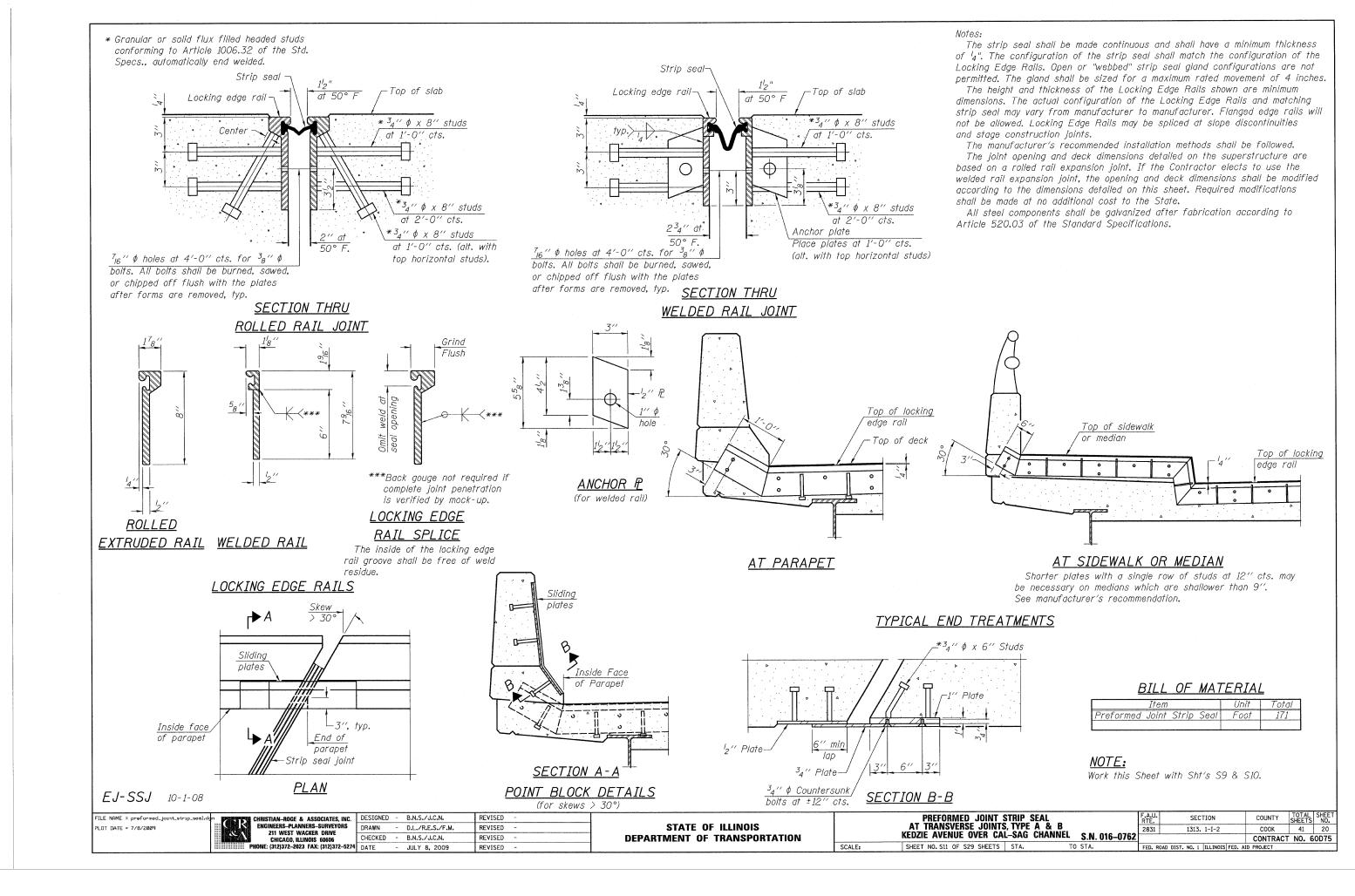


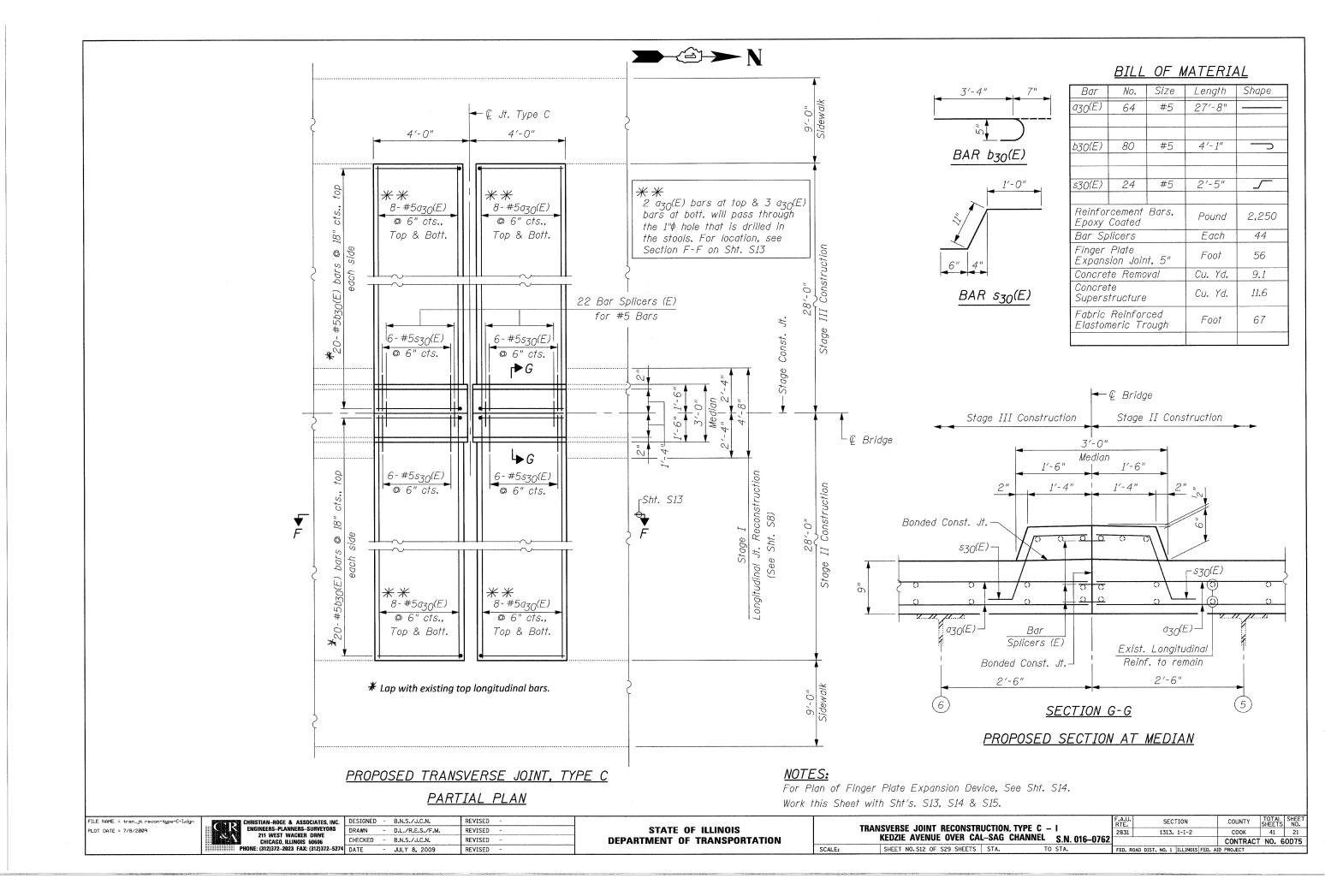


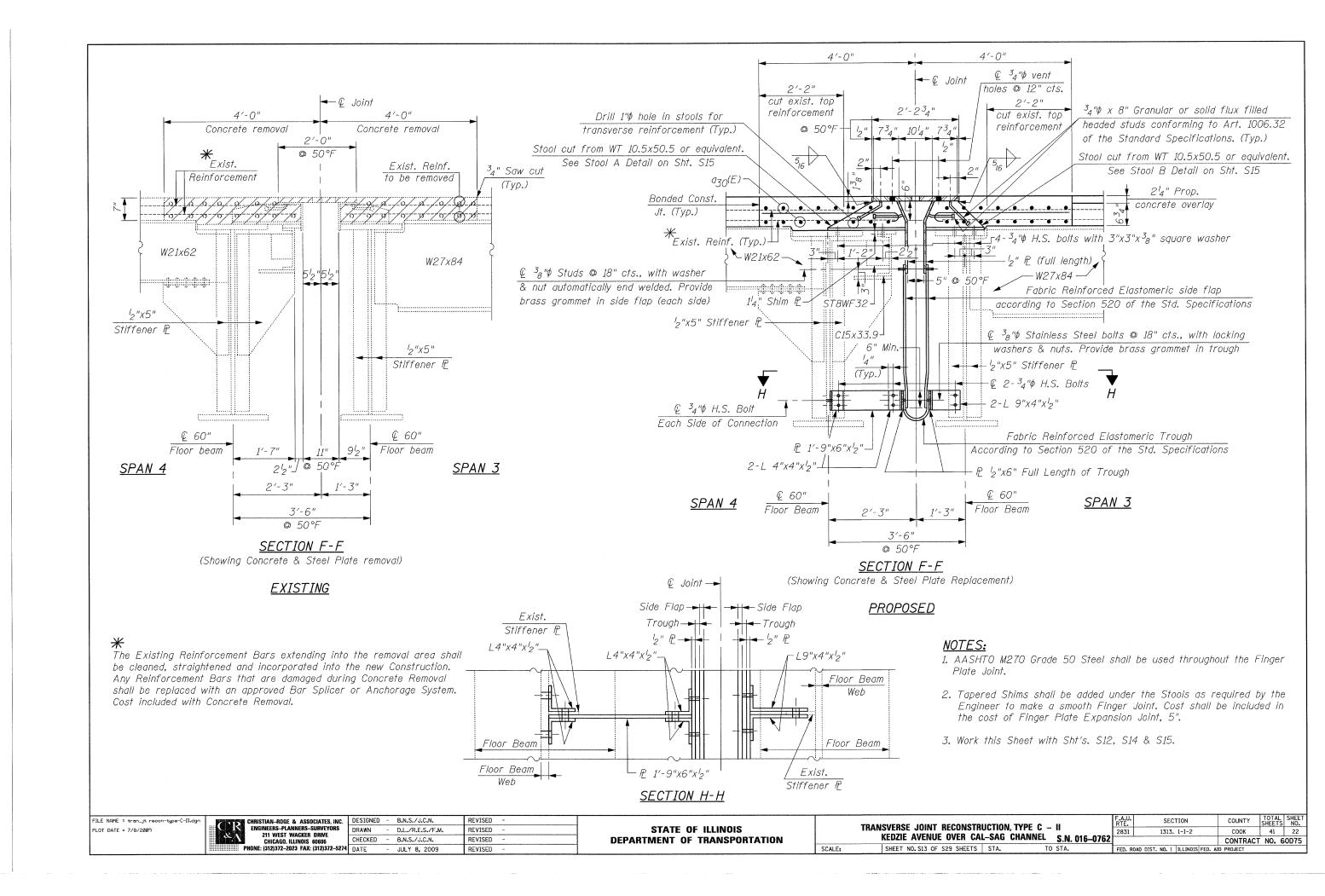


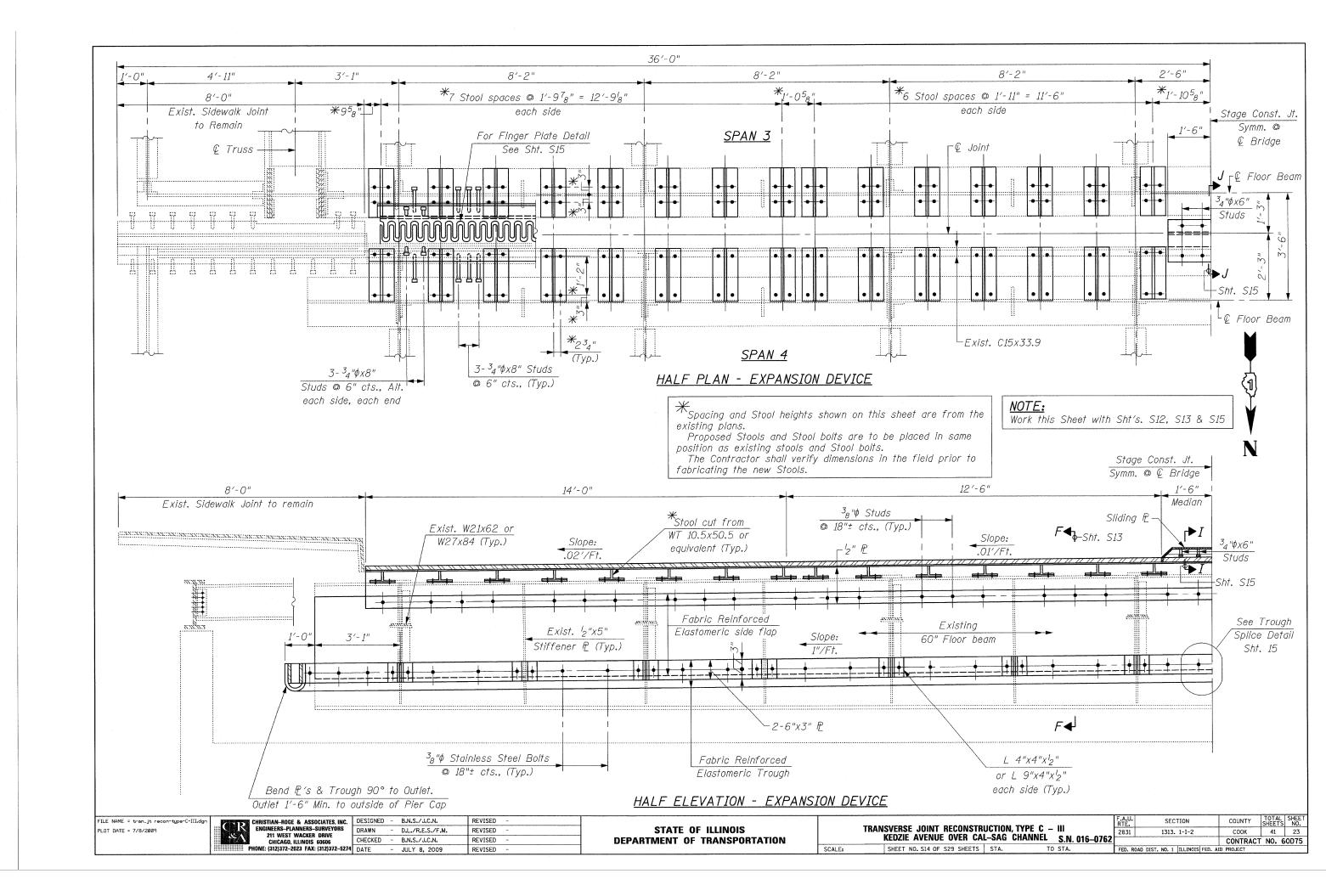


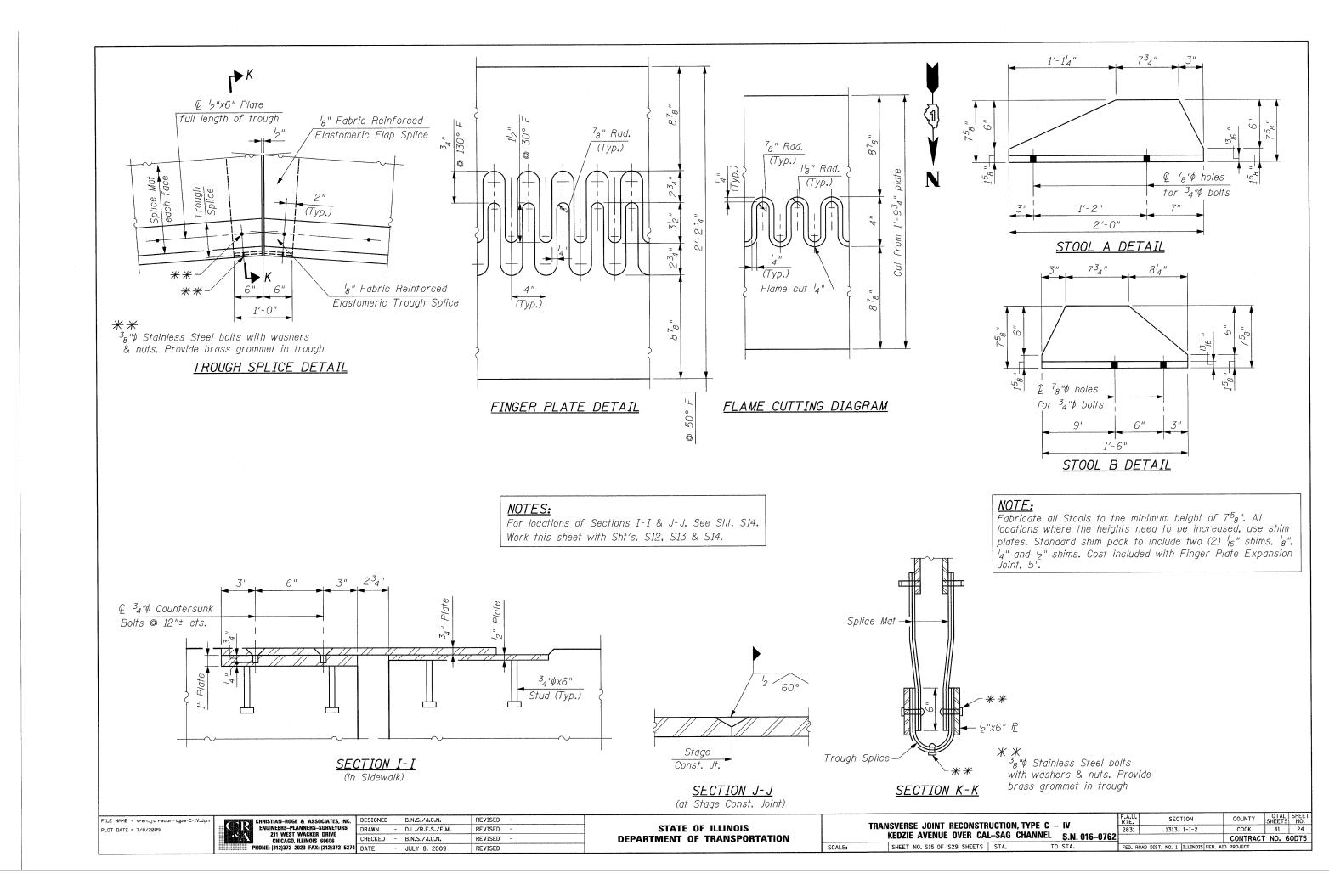


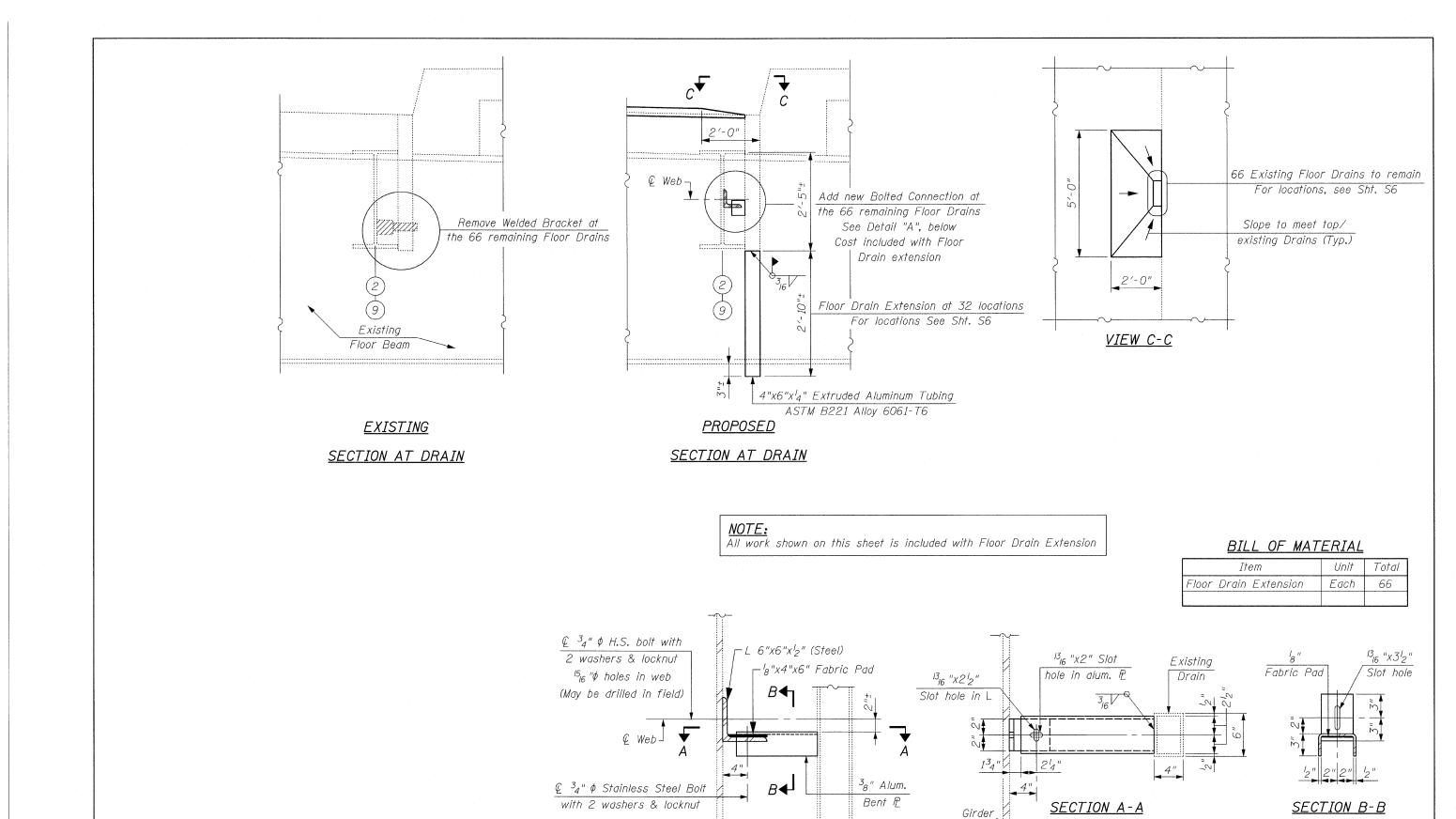












FILE NAME = drain modification.dgn PLDT DATE = 7/8/2009 CHRISTIAN-ROGE & ASSOCIATES, INC.

ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 66066

PHONE: (312)372-2023 FAX: (312)372-5274

SOCIATES, INC.	DESIGNED	-	B.N.S./J.C.N.	REVISED	-
S-SURVEYORS ER DRIVE	DRAWN	-	D.L./R.E.S./F.M.	REVISED	-
S 60606	CHECKED	-	B.N.S./J.C.N.	REVISED	-
X: (312)372-5274	DATE	-	JULY 8, 2009	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL "A"

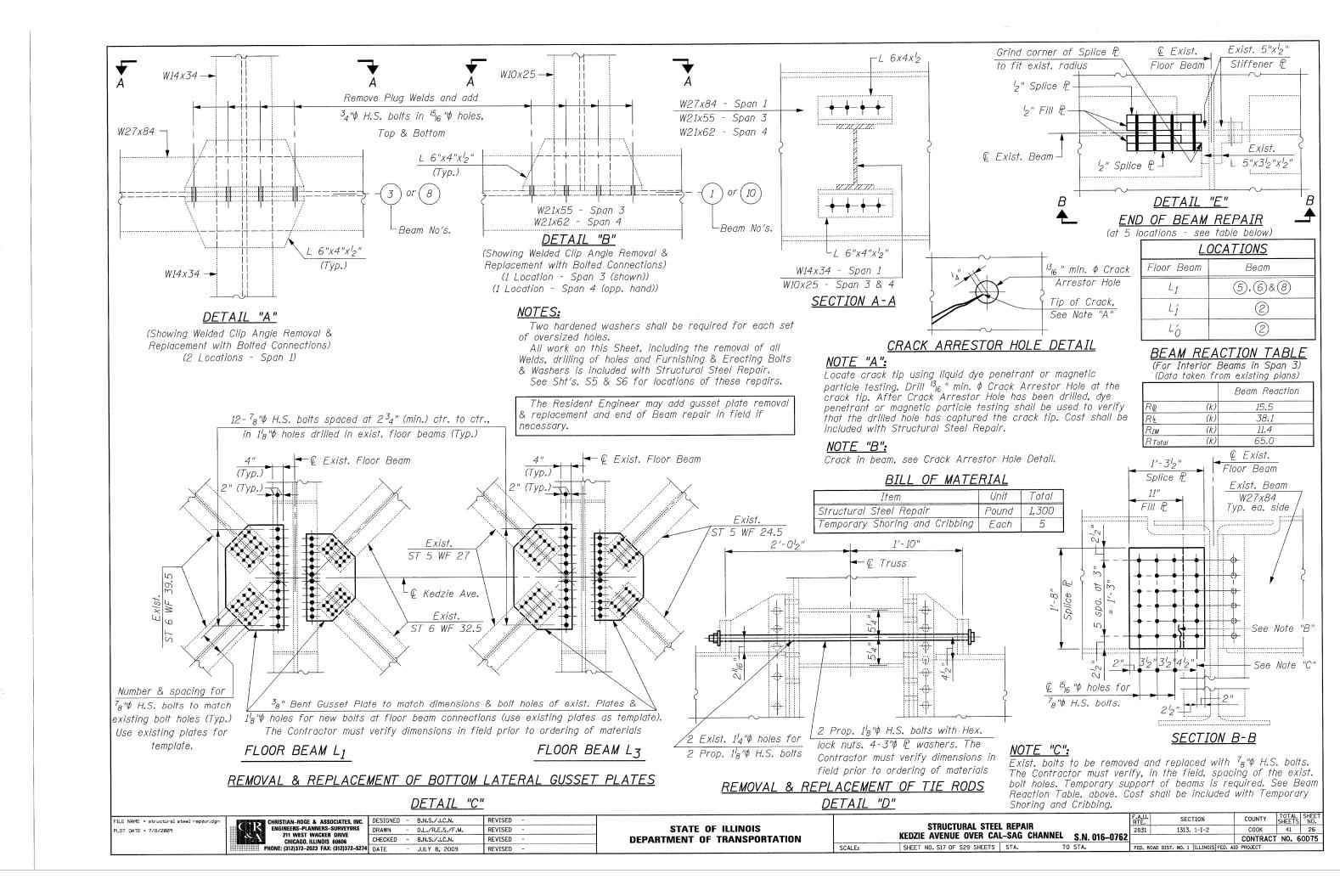
DRAIN MODIFICATIONS

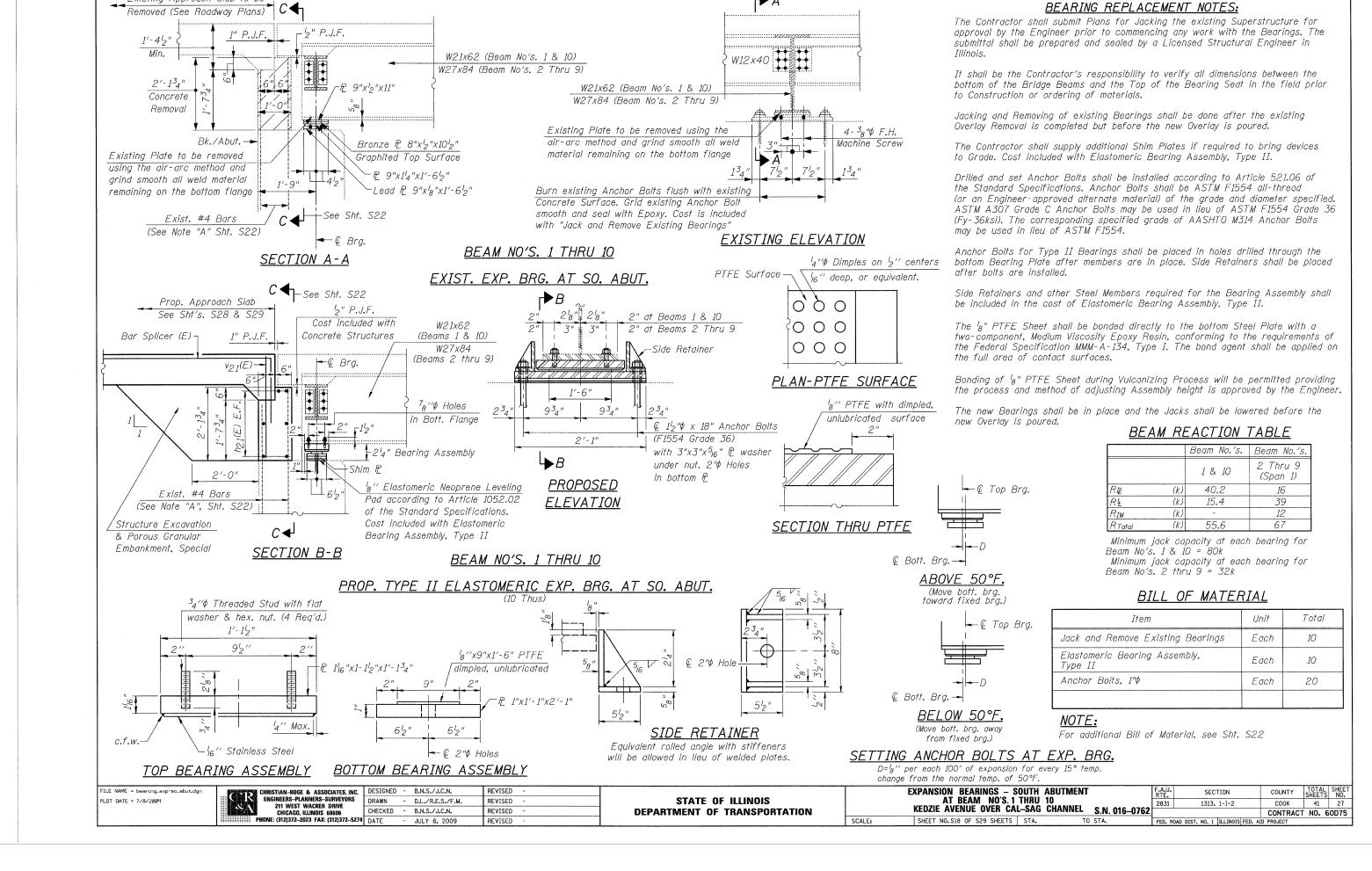
KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762

SHEET NO. S16 OF S29 SHEETS STA. TO STA.

Web

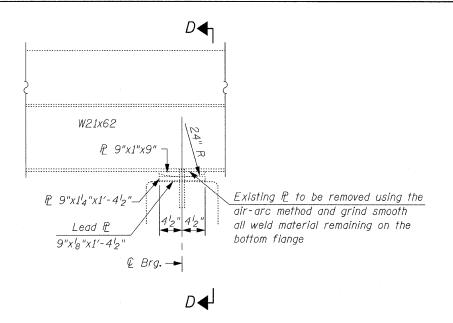
SCALE:



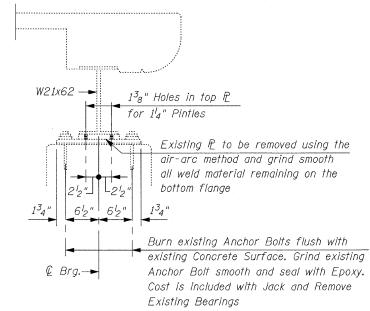


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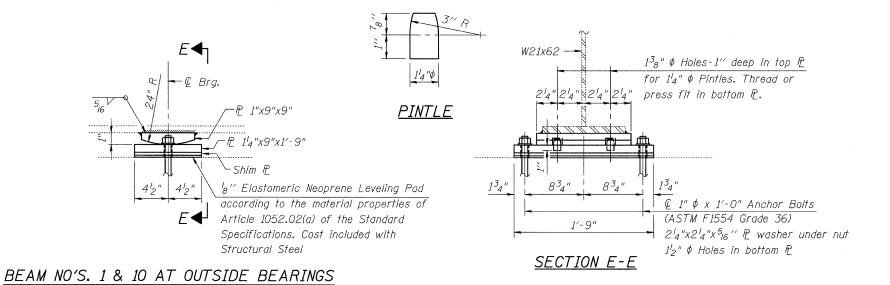
Existing Approach Slab to be



BEAM NO'S. 1 & 10 AT OUTSIDE BEARINGS EXIST. FIXED BEARING AT PIERS 1, 2 & 3 & NORTH ABUTMENT



SECTION D-D



BEARING REPLACEMENT NOTES:

The Contractor shall submit plans for jacking the existing Superstructure for approval by the Engineer prior to commencing any work with the bearings. The submittal shall be prepared and sealed by a Licensed Structural Engineer in Illinois.

It shall be the Contractor's responsibility to verify all dimensions between the bottom of the bridge Beams and the top of the bearing seat in the field prior to Construction or ordering of materials.

Jacking and removing of existing bearings shall be done after the existing overlay removal is completed and before the new overlay is poured.

The Contractor shall supply additional Shim Plates if required to bring devices to Grade. Cost included with Furnishing and Erecting Structural Steel.

Anchor Bolts at Fixed Bearings must be installed in holes drilled after the supported member is in place. Drilled and set Anchor Bolts shall be installed according to Article 521.06 of the Standard Specifications. Anchor Bolts shall be ASTM F1554 all-thread (or an Engineer-Approved Alternate Material) of the Grade and diameter specified. ASTM A307 Grade C Anchor Bolts may be used in lieu of ASTM F1554 Grade 36 (Fy-36ksi). The corresponding specified Grade of AASHTO M314 Anchor Bolts may be used in lieu of ASTM F1554.

The new bearings shall be in place and the jacks shall be lowered before the new overlay is poured.

BEAM REACTION TABLE

		Beam No.'s.
		1 & 10
RQ	(k)	40,2
RŁ	(k)	<i>15.4</i>
RIM	(k)	-
RTotal	(k)	55.6

Minimum jack capacity at each bearing for Beam No's. 1 & 10 = 40 tons

BILL OF MATERIAL

Item	Unit	Total
Jack and Remove Existing Bearings	Each	8
Furnishing and Erecting Structural Steel	Pound	720
Anchor Bolts, 1"ø	Each	16
·		

FILE NAME = bearing_fix-piers.dgn

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

PROPOSED FIXED BEARING AT
PIERS 1, 2 & 3 & NORTH ABUTMENT
(8 Thus)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

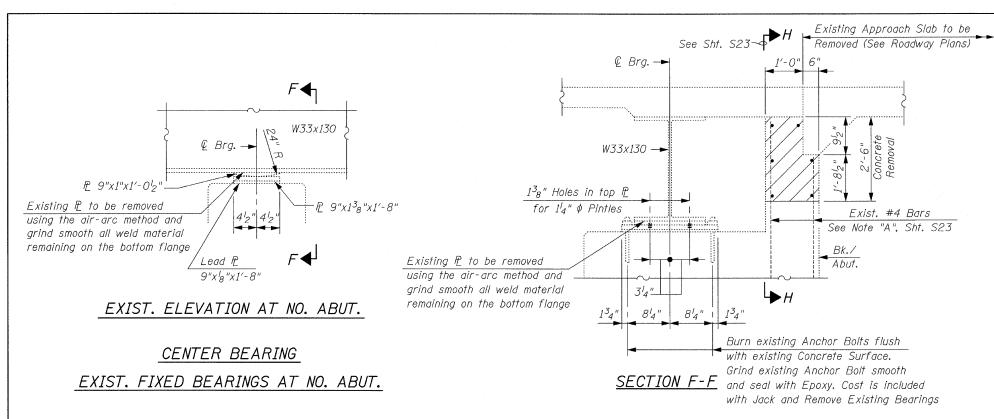
FIXED BEARINGS
AT PIERS 1, 2 & 3 & NORTH ABUTMENT AT BEAM NO'S 1 & 10
KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762

ALE: SHEET NO. S19 OF S29 SHEETS STA. TO STA.

ALU. SECTION COUNTY SHEETS NO. 831 1313. 1-I-2 COOK 41 28

CONTRACT NO. 6OD75

ED. ROAD DIST. NO. 1 | ILLINOIS| FED. AID PROJECT



BEARING REPLACEMENT NOTES:

The Contractor shall submit plans for jacking the existing Superstructure for approval by the Engineer prior to commencing any work with the bearings. The submittal shall be prepared and sealed by a Licensed Structural Engineer in

It shall be the Contractor's responsibility to verify all dimensions between the bottom of the Bridge beams and the top of the bearing seat in the field prior to Construction or ordering of materials.

Jacking and removing of existing bearings shall be done after the existing overlay removal is completed and before new overlay is poured.

The Contractor shall supply additional Shim Plates if required to brina devices to Grade. Cost included with Furnishing and Erecting Structural Steel.

Anchor Bolts at fixed bearings must be installed in holes drilled after the supported member is in place. Drilled and set Anchor Bolts shall be installed according to Article 521.06 of the Standard Specifications. Anchor Bolts shall be ASTM F1554 all-thread (or an Engineer-Approved Alternate Material) of the Grade and diameter specified. ASTM A307 Grade C Anchor Bolts may be used in lieu of ASTM F1554 Grade 36 (Fy-36ksi). The corresponding specified Grade of AASHTO M314 Anchor Bolts may be used in lieu of ASTM F1554.

The new bearings shall be in place and the jacks shall be lowered before the new overlay is poured.

BEAM REACTION TABLE

		Center Bearing at North Abutment
RP	(k)	67.0
R4	(k)	96.6
RIM	(k)	29.0
RTotal	(k)	192.6

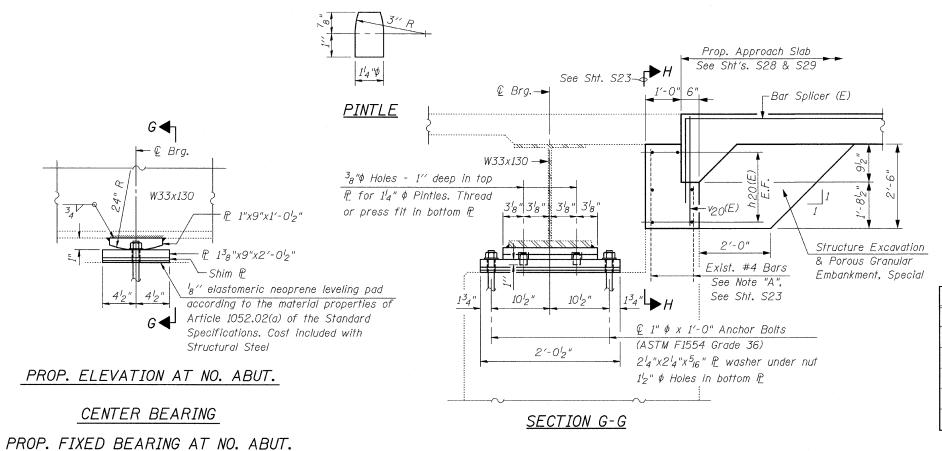
Minimum jack capacity at center bearing = 100 tons

NOTES:

See Elevation H-H, Sht. S23 for location of center bearings. See Sht. S23 for additional Bill of Material.

BILL OF MATERIAL

Item	Unit	Total
Jack and Remove Existing Bearings	Each	1
Furnishing and Erecting Structural Steel	Pound	120
Anchor Bolts, 1"\$	Each	2



FILE NAME = bearing_fix-no_abut.dgn PLOT DATE = 7/8/2009

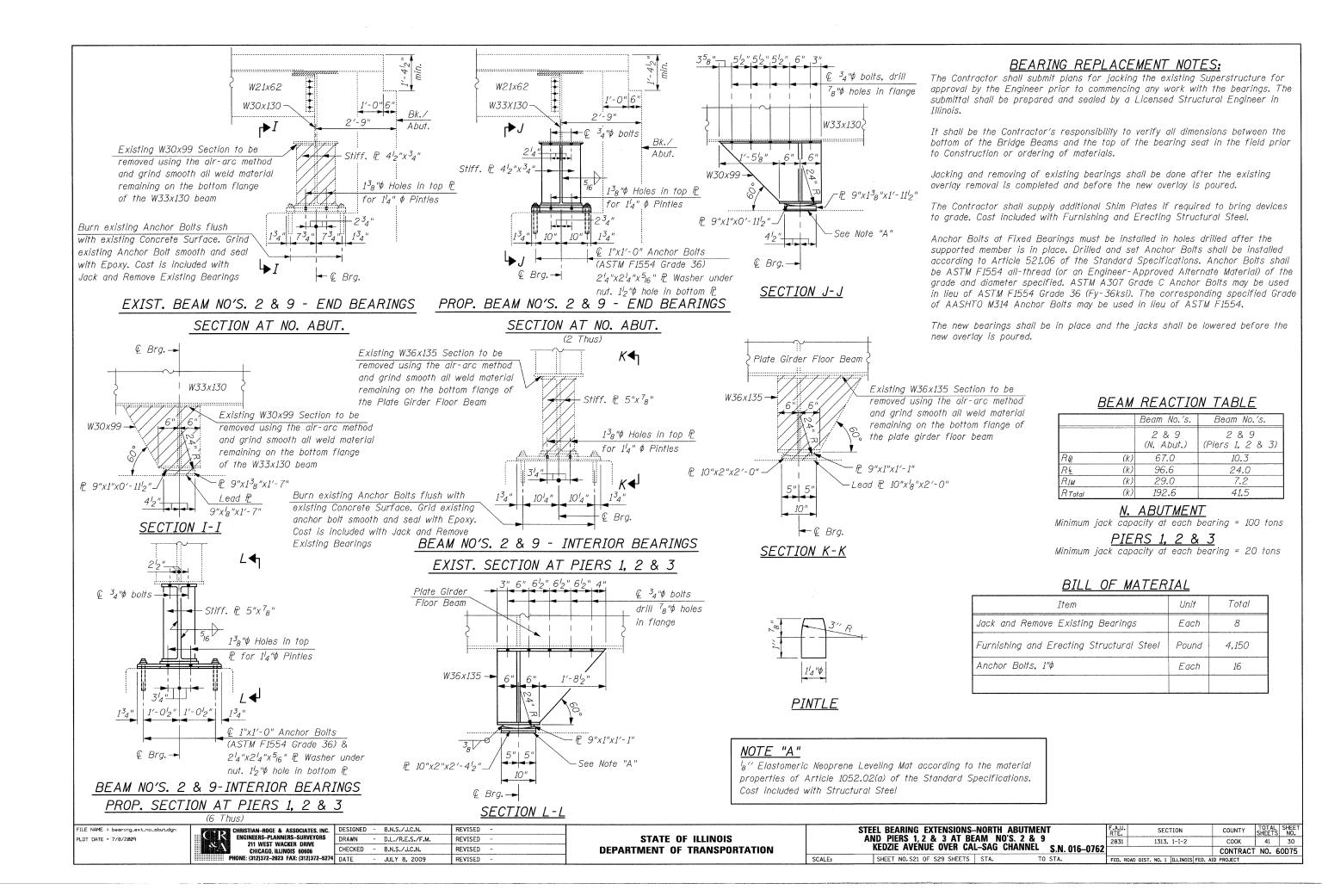
PHONE: (312)372-2023 FAX: (312)372-5274

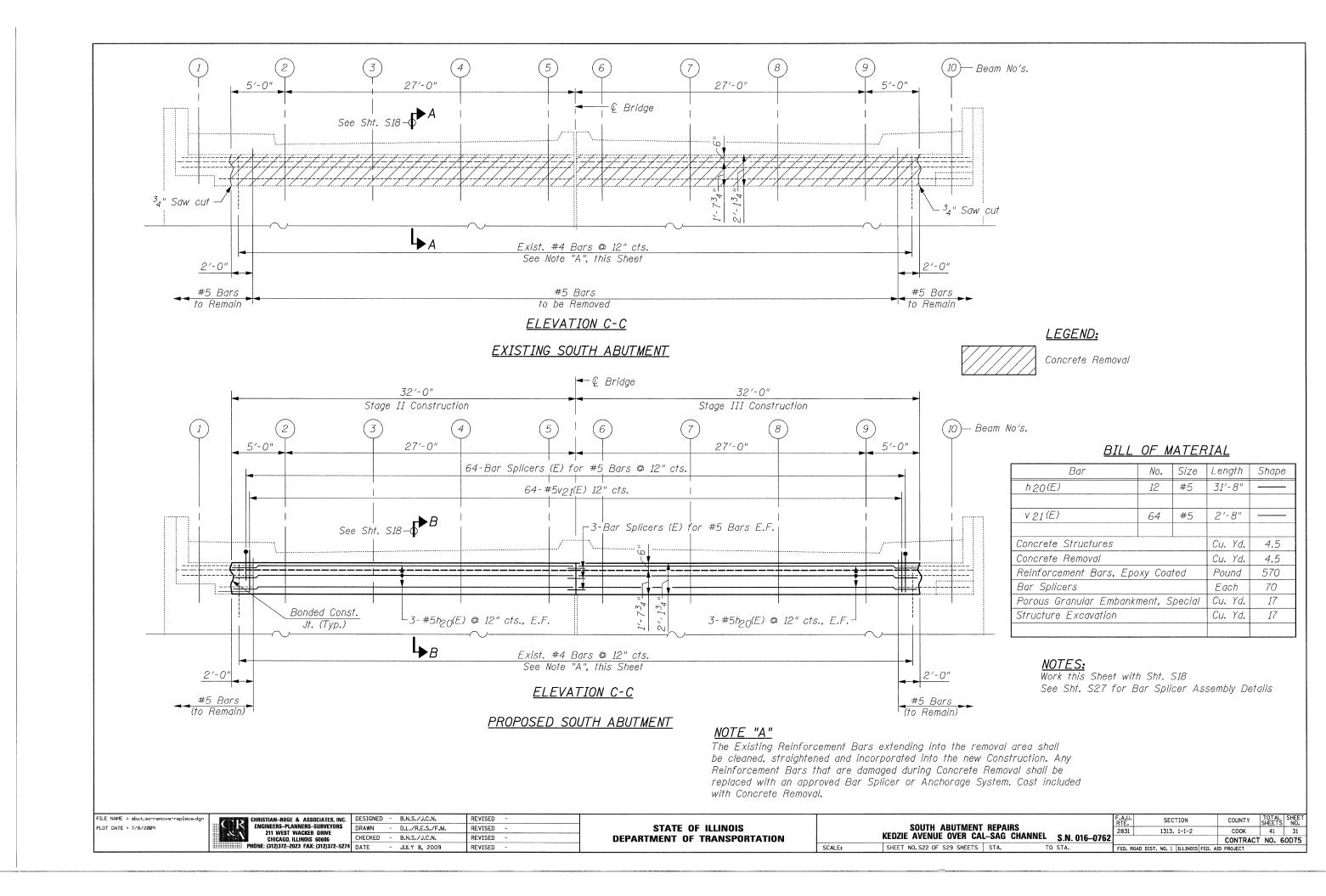
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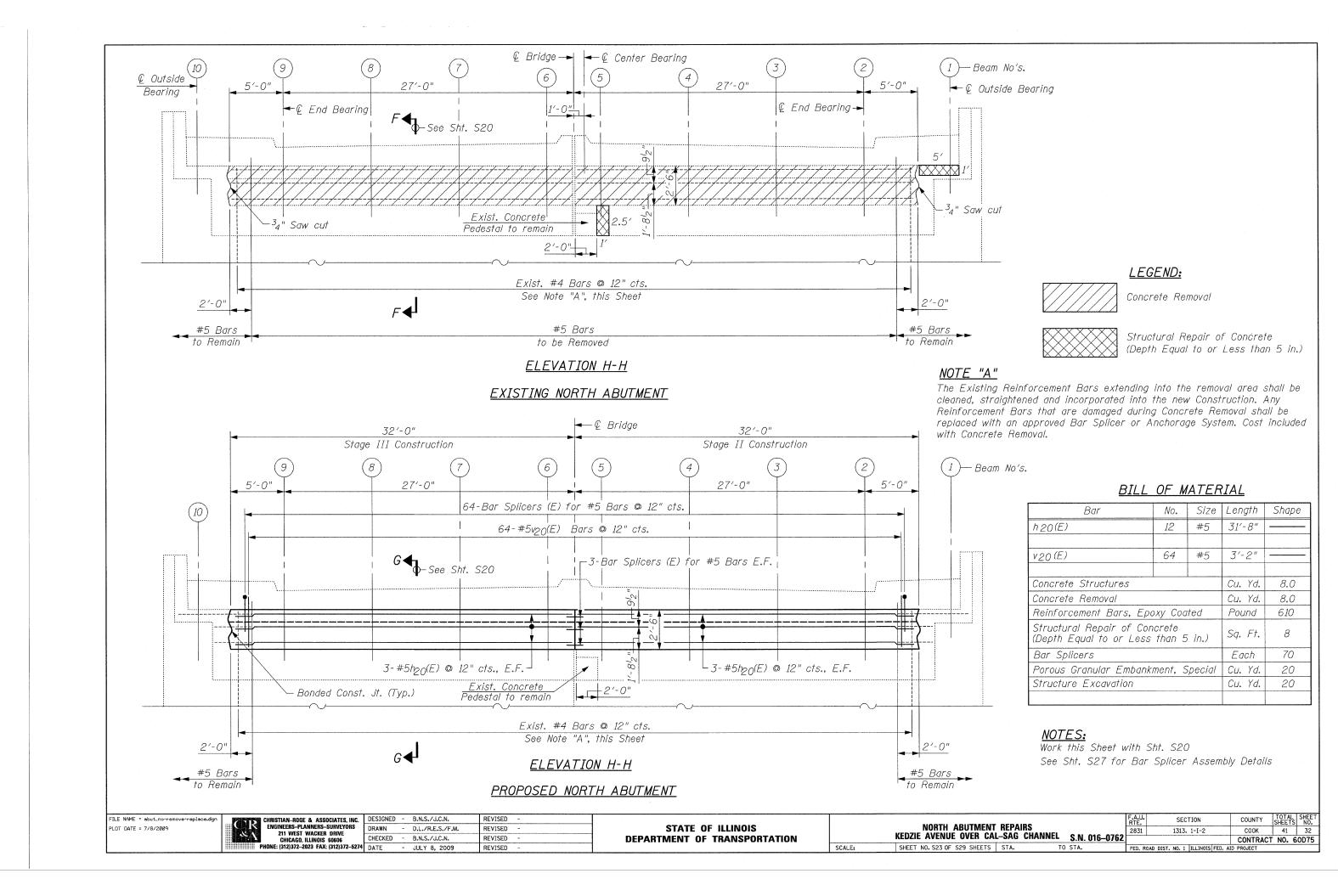
CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO MANDERS
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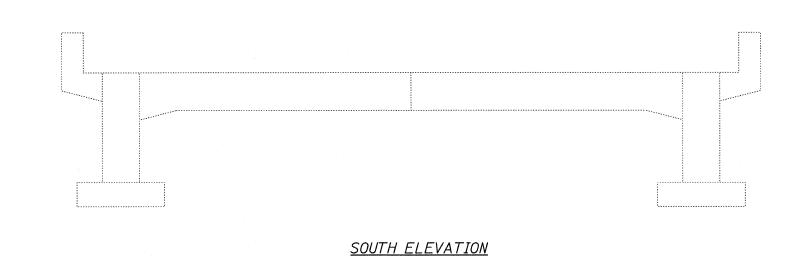
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** FIXED BEARINGS - NORTH ABUTMENT CENTER BEARING KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762 SHEET NO. S20 OF S29 SHEETS STA.

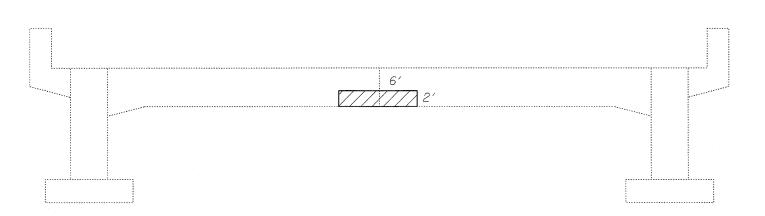
COUNTY TOTAL SHEE SHEETS NO. 1313. 1-I-2 COOK CONTRACT NO. 60D75 FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT











NORTH ELEVATION

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	12.0
	-	

The Locations of Structural Repair of Concrete as shown on these Elevations, are from the most recent Survey that was performed in November, 2007

LEGEND:



Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)

FILE NAME = pier repairs-1.dgn PLOT DATE = 7/8/2009

REVISED -DRAWN - D.L./R.E.S./F.M. REVISED -REVISED -

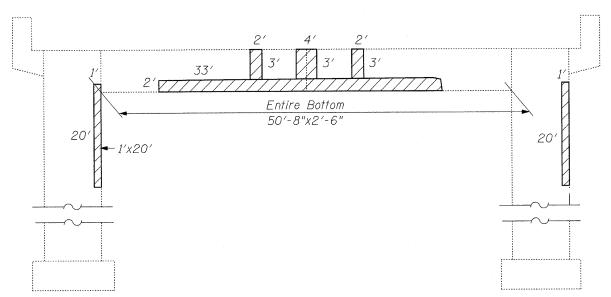
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PIER 1 REPAIRS
KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762 SHEET NO. S24 OF S29 SHEETS STA. SCALE:

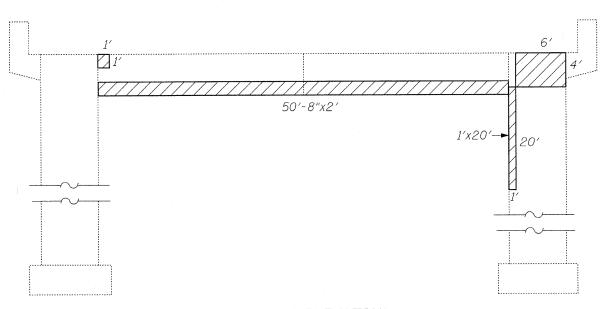
 COUNTY
 TOTAL SHEET NO.

 COOK
 41
 33

 CONTRACT NO. 60D75
 SECTION 1313. 1-I-2 FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



SOUTH ELEVATION



NORTH ELEVATION

NOTE:
The Locations of Structural Repair of Concrete as shown on these Elevations, are from the most recent Survey that was performed in November, 2007

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	Sq. Ft.	443.0

LEGEND:



Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)

FILE	NAME	=	pier	repairs-2.dgn
PLOT	DATE	=	7/8/	2009

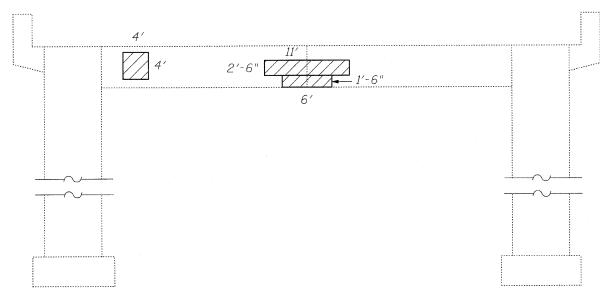
() R	CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS
100	211 WEST WACKER DRIVE
	CHICAGO, ILLINOIS 60606
::::::::::::::::::::::::::::::::::::::	HONE: (312)372-2023 FAX: (312)372-527

& ASSOCIATES, INC.	DESIGNED	-	B.N.S./J.C.N.	REVISED	-
INERS-SURVEYORS /ACKER DRIVE	DRAWN	-	D.L./R.E.S./F.M.	REVISED	-
LINOIS 60606	CHECKED	-	B.N.S./J.C.N.	REVISED	-
23 FAX: (312)372-5274	DATE	-	JULY 8, 2009	REVISED	-

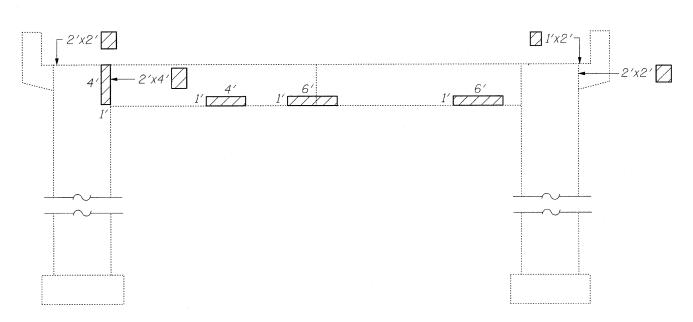
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

	PIER 2 REPAIRS KEDZIE AVENUE OVER CAL—SAG CHANNEL S.N. 016–0762	F.A.U RTE. 2831
ĺ	SCALE: SHEET NO. S25 OF S29 SHEETS STA. TO STA.	FED.

.U.	SECTION	COUNTY	TOTAL	SHEET NO.
31	1313. 1-I-2	COOK	41	34
		CONTRACT	NO. 6	OD75
). R(AD DIST. NO. 1 HILINOIS FED. A	ID PROJECT		



SOUTH ELEVATION



NORTH ELEVATION

BILL OF MATERIAL

NOTE:
The Locations of Structural Repair of Concrete as shown
on these Elevations, are from the most recent Survey tha
was performed in November, 2007

QUANTITY ITEM Structural Repair of Concrete (Depth Equal to or Less Than 5 In.) Sq. Ft. 91.0

LEGEND:



Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)

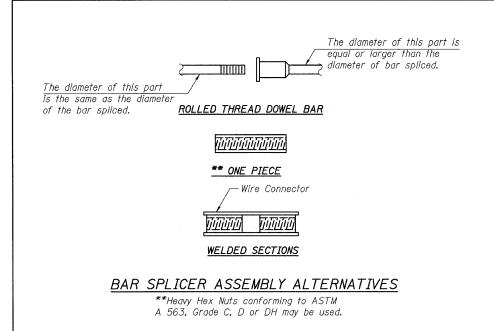
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DI OT	DATE	_	7/0/	2000

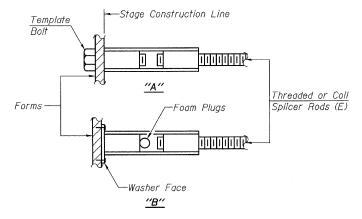
CR «A	CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606
iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	HONE: (312)372-2023 FAX: (312)372-527

RISTIAN-ROGE & ASSOCIATES, INC.	DESIGNED	-	B.N.S./J.C.N.	REVISED	-
NGINEERS-PLANNERS-SURVEYORS	DRAWN	-	D.L./R.E.S./F.M.	REVISED	_
211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606	CHECKED	-	B.N.S./J.C.N.	REVISED	-
NE: (312)372-2023 FAX: (312)372-5274	DATE	-	JULY 8, 2009	REVISED	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	DIED O DEDA	IDC		F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
	PIER 3 REPA		CHANNEL	2831	1313. 1-I-2	COOK	41	35
	KEDZIE AVENUE OVER CAI	L-SAU	CHANNEL S.N. 016-0762			CONTRACT	NO.	60D75
SCALE:	SHEET NO. S26 OF S29 SHEETS	STA.	TO STA.	FED. RO	OAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		





INSTALLATION AND SETTING METHODS

"A" :Set bar splicer assembly by means of a template bolt. "B" :Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E): Indicates epoxy coating.

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

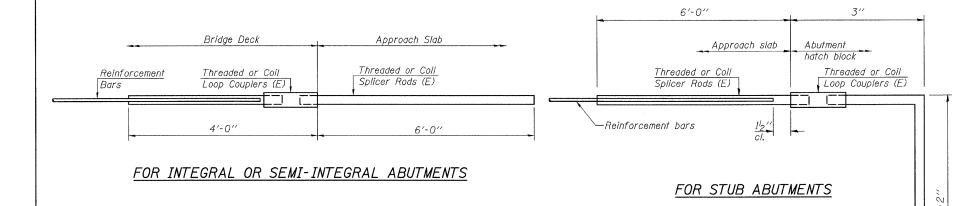
Minimum Capacity (Tension in kips) = $1.25 \times fy \times A_t$

(Tension III NIPS)
Minimum *Pull-out Strength = 0.66 x fy x A_t (Tension in kips)

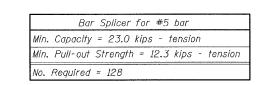
Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

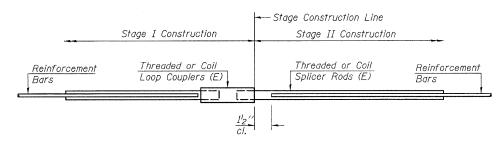
reinforcement bars.

	BAR SPLIC	ER ASSEMBLI	ES
		Strengt	h Requirements
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kips - tension
#4	1'-8''	14.7	7.9
#5	2'-0''	23.0	12.3
#6	2'-7''	33.1	17.4
#7	3′-5″	45.1	<i>23</i> .8
#8	4'-6''	58.9	31.3
#9	5′-9′′	75.0	39.6
#10	7′-3′′	95.0	50.3
#11	9′-0′′	117.4	61.8



	Bar	Spli	icer	for	- #5	bar		
Min.	Capacity	= 2	3.0	kip	s - i	tensio	n	
Min.	Pull-out	Stre	ngth	=	12.3	kips	-	tension
	Required					mpc		





STANDARD

Bar Size	No. Assemblies Required	Location
#6	24	Transverse Joint Reconstruction, Type A
#6	48	Transverse Joint Reconstruction, Type B
#5	44	Transverse Joint Reconstruction, Type C
#5	6	North Abutment Backwall
#5	6	South Abutment Backwall
#5	266	Approach Slabs, Median & Approach Footing
Total	394	

BSD-1 5-16-08

FILE NAME = bar_splicer.dgn PLOT DATE = 7/8/2009



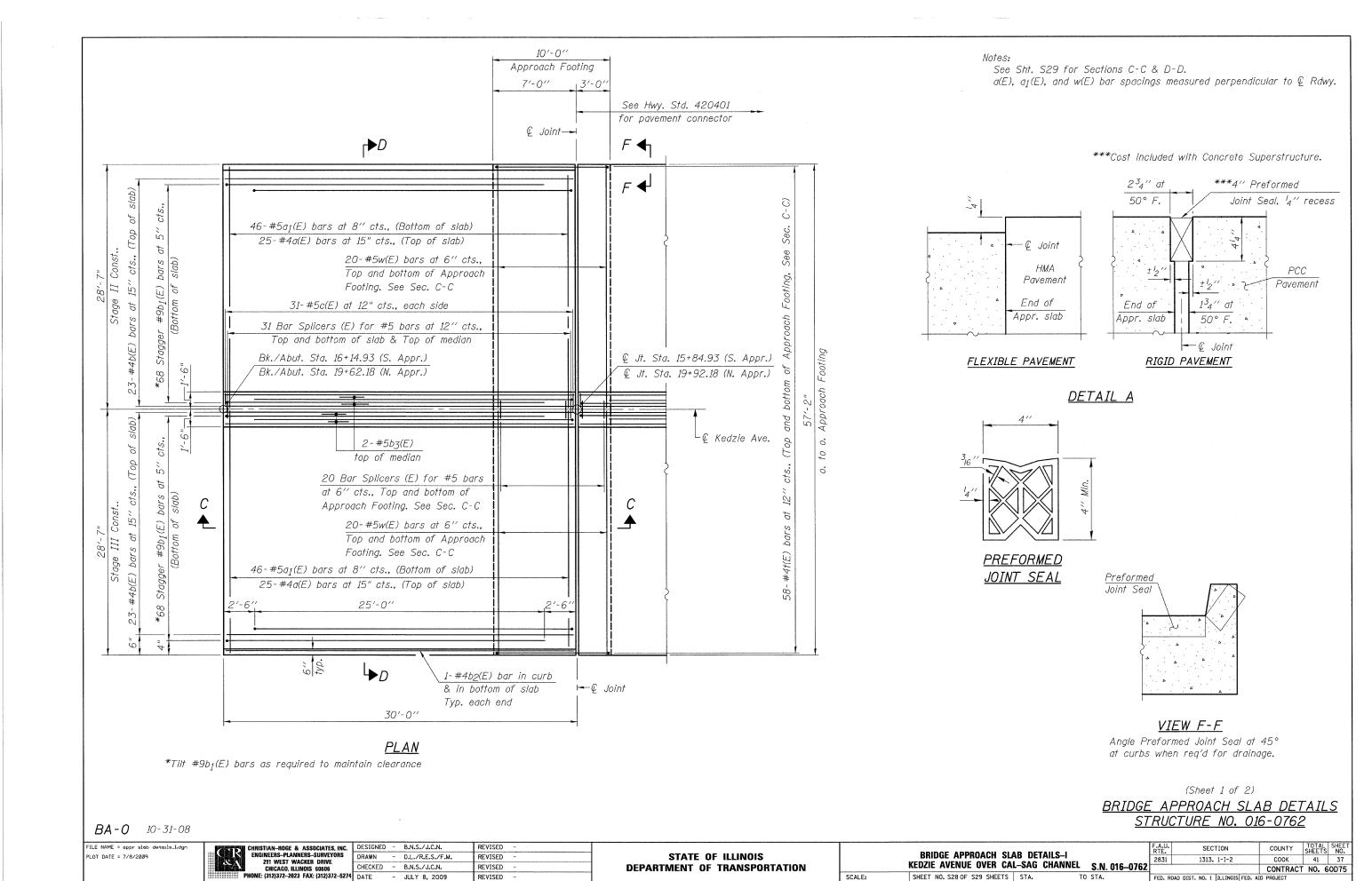
AN-ROGE & ASSOCIATES, INC.	DESIGNED	-	B.N.S./J.C.N.	REVISED	-
ERS-PLANNERS-SURVEYORS 1 WEST WACKER DRIVE	DRAWN	-	D.L./R.E.S./F.M.	REVISED	-
HICAGO, ILLINOIS 60606	CHECKED	-	B.N.S./J.C.N.	REVISED	***
12)372-2023 FAX: (312)372-5274	DATE	~	JULY 8, 2009	REVISED	-

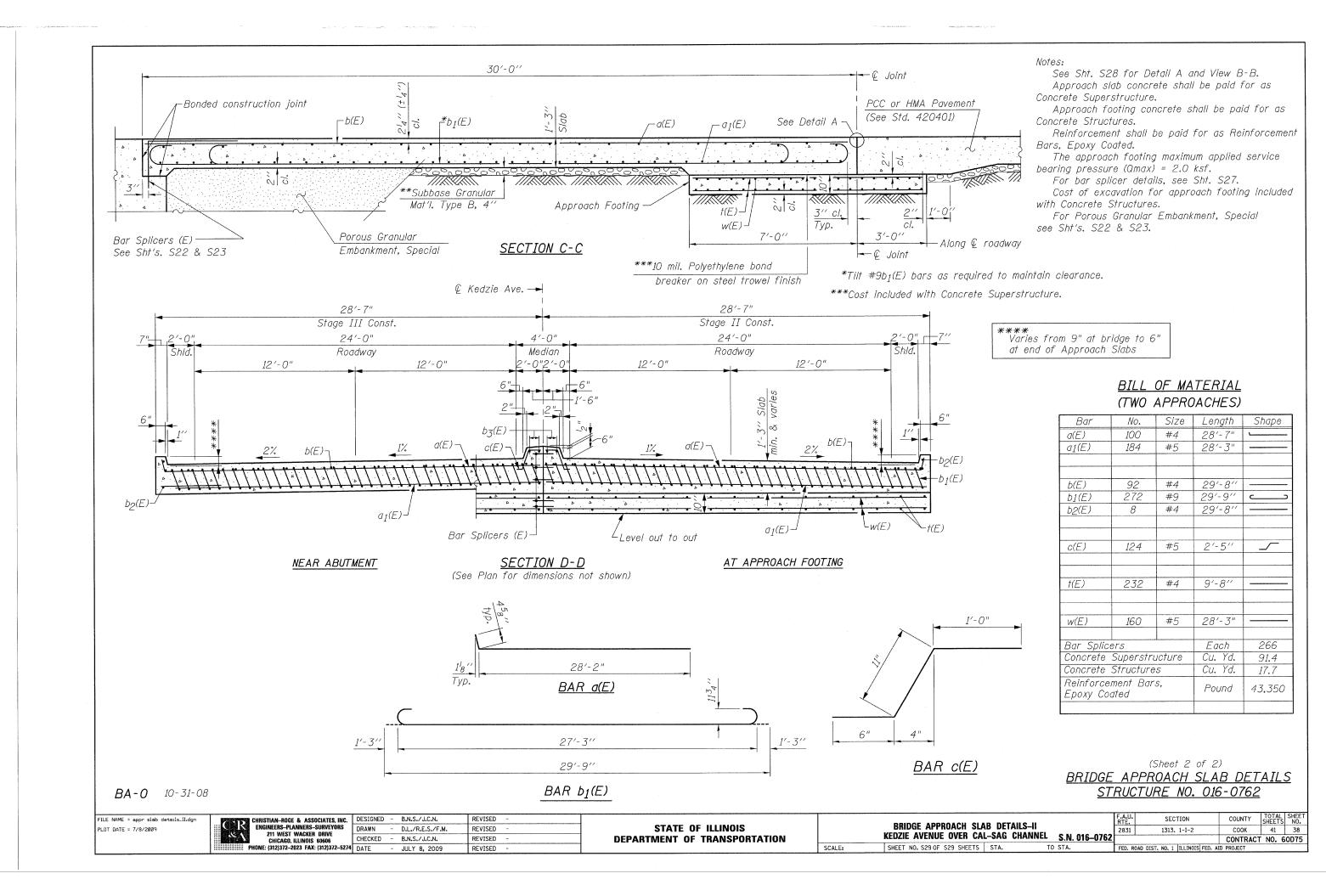
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

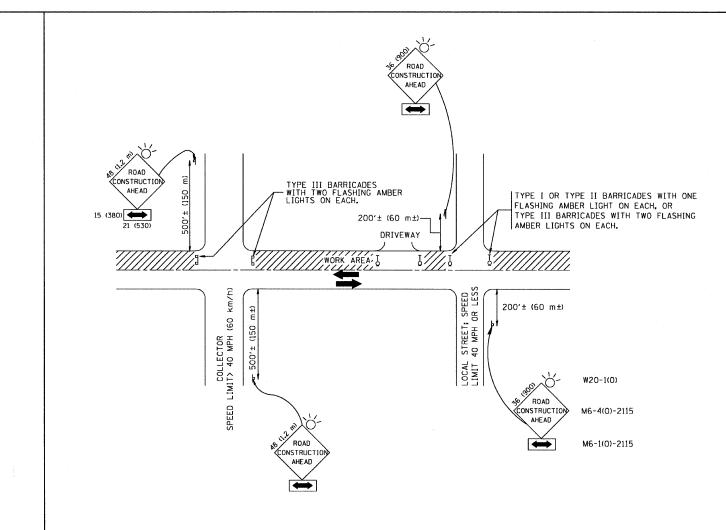
SCALE:

BAR SPLICER ASSEMBLY DETAILS	F.A RT 28
KEDZIE AVENUE OVER CAL-SAG CHANNEL S.N. 016-0762	
CUEST NO COT OF COO CUESTS CT1	

λ.U. Ε.			SI	EC.	TION			COUNTY	TOTAL SHEETS	SHEE NO.
331	1313. 1-I-2					COOK	41	36		
							Т	CONTRACT	NO. 6	OD75
D. R	OAD	DIST.	NO.	1	ILLINOIS	FED.	AID	PROJECT		







TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- O) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- g) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (MG-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (MG-4).

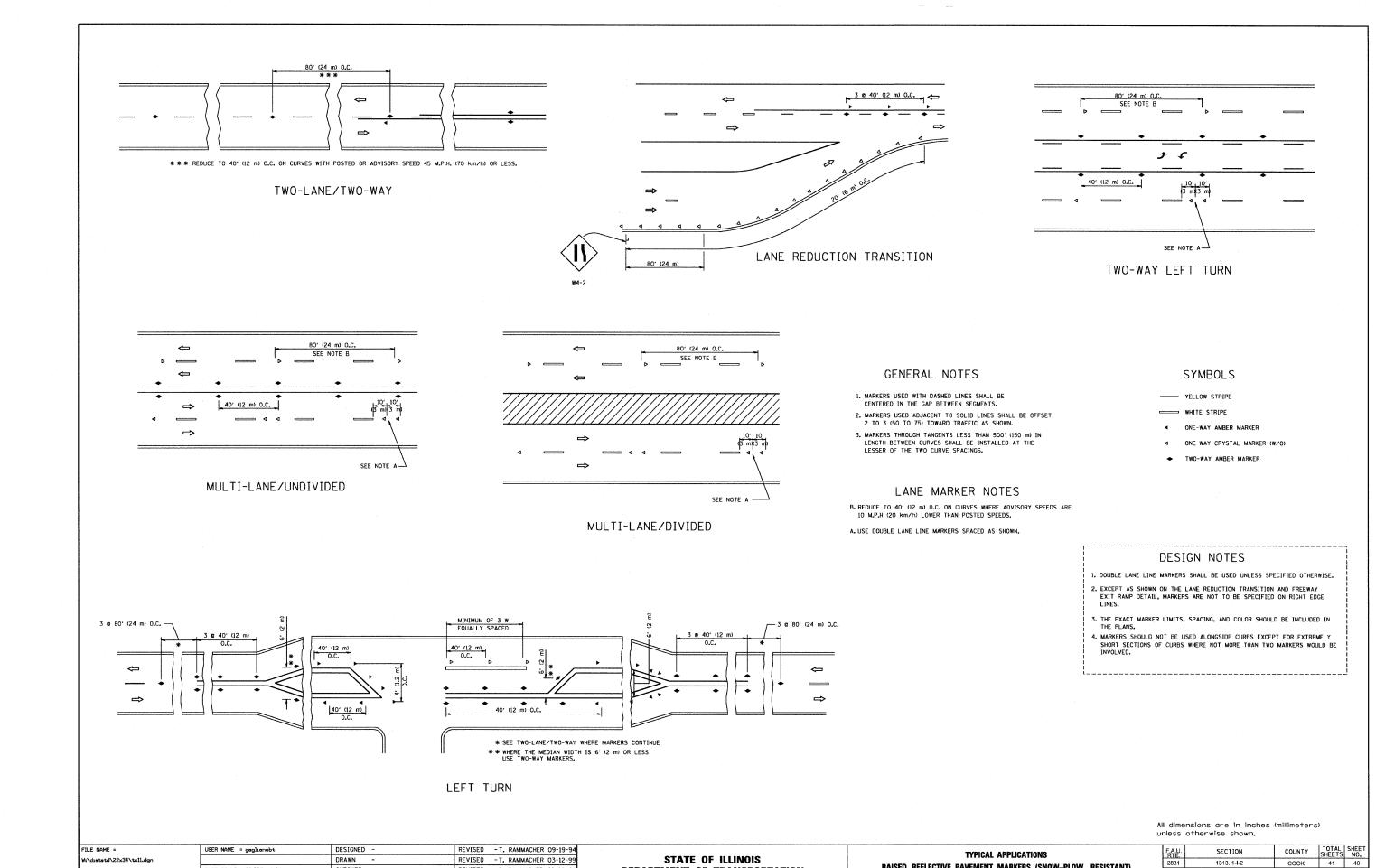
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches unless otherwise shown.

FILE NAME =	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\to10.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR							
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS							
	SIDE HUADS, INTER	SECTIONS, AN	D DUIATAA	AIS			
SCALE. NONE	SUPET NO 1 OF 1	SHEETS ST	A 13+10	TO STA 22+70	FFO. D	~~~	



DEPARTMENT OF TRANSPORTATION

PLOT SCALE = 50.000 '/ IN.

PLOT DATE = 1/4/2008

CHECKED -

DATE

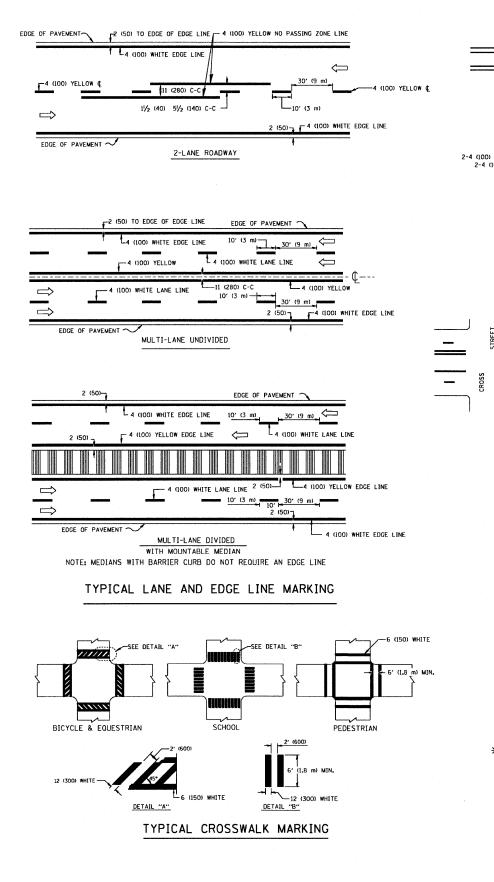
REVISED -T. RAMMACHER 01-06-00

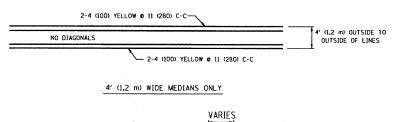
REVISED -

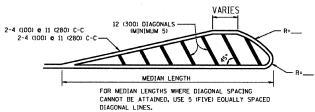
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SHEET NO. 1 OF 1 SHEETS STA. 13+10

CONTRACT NO. 60D75







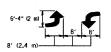
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))

75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))

150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

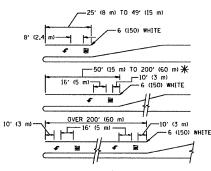
MEDIANS OVER 4' (1.2 m) WIDE 4 (100) YELLOW LINES (5½ (140) C-C) 2-4 (100) YELLOW 0 11 (280) C-C 4 (100) YELLOW LINES (5½ (140) C-C)

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR, ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

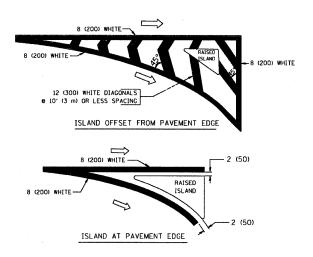


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.6 SO. FT. (1.5 m²) \P AREA = 20.8 SO. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 to 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 1280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW: EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 e 6 (150) 12 (300) e 45° 12 (300) e 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (60D) APART 2' (60D) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' 11,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 e 4 (100) WITH 12 (300) DIAGONALS e 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (TO km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SO. FT. (0.33 m²) EACH "X"=54.0 SO. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) e 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = gaglianobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
W:\dietatd\22x34\to13.dgn		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	DISTRIC	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TYPICAL PAVEME	2831	1313. 1-I-2	соок	41	41
	TITIOAL TAVEINE		TC-13	CONTRACT	NO. 60)D75
SCALE: NONE	SHEET NO. 1 OF 1 SHEE	FED. ROAL	D DIST. NO. 1 ILLINOIS FED. AI	D PROJECT		