### STATE OF ILLINOIS

## DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

# PLANS FOR PROPOSED FEDERAL AID PROJECT HIGHWAY BRIDGE PROGRAM

F.A.S. 132 (DAMISCH ROAD / C.H.7 OVER TYLER CREEK) SECTION 07-00358-00-BR **PROJECT BRM-8003(881) BRIDGE REPLACEMENT KANE COUNTY** C-91-046-08

UTILITIES

SOLOMON

MARILIN

ENGINEER

COMMONWEALTH EDISON
#1 N 423 SWIFT ROAD
LOMBARD, IL 60148
JOE STACHO 630-437-2236

**INDEX OF SHEETS** 

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32.-33.

NICOR GAS NICOR GAS 1844 FERRY RD. NAPERVILLE, IL 60563 UTILITY CONSULTANT 630-388-2362

TELEPHONE AT&T 225 E. CHICAGO ST. ELGIN, IL 60120 630-573-5450

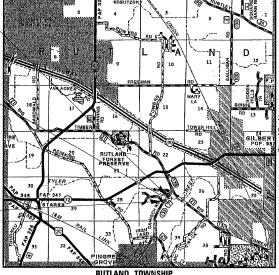
COMCAST 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 MARTHA GIERAS 630-388-2362

IMPROVEMENT ENDS STATION 96+80

IMPROVEMENT BEGINS

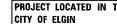
STA. 95+55
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE. SINGLE SPAN @ 74'-0''
30'-0'' RDWY.; SKEW = 30°
EXISTING STRUCTURE NO. 045-3015
PROPOSED STRUCTURE NO. 045-6302

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.



**LOCATION MAP** 

APPROXIMATE SCALE: GROSS AND NET LENGTH OF SECTION = 260 FEET = 0.049 MILES





PROJECT LOCATED IN THE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS** APPROVED FEBRUARY I PASSED FERRINGY ! DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS FEBRUARY 11 DEPUTY DIRECTOR OF HIGHWAYS
REGION ONE ENGINEER



### HAMPTON, LENZINI AND RENWICK, INC. CIVIL ENGINEERS · STRUCTURAL ENGINEERS · LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 217.546.3400 www.hlrengineering.com

DATE: 01/07/10 PROJECT NUMBER: 08.0043.130

CONTRACT NO. 63444

MERCER

**FUNCTIONAL CLASSIFICATION:** MAJOR COLLECTOR (NONURBAN) 45 MPH 45 MPH

LOCATION OF SECTION INDICATED THUS: -

1938 ADT (2010) 6% TRUCKS

184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

FED. ROAD DIST. NO.

SECTION

07-00358

-00-BR

KANE

D-91-046-08

TOTAL SHEE NO.

33

ILLINOIS CONTRACT NO. 63444

DESIGN SPEED: POSTED SPEED-DESIGN TRAFFIC:

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINIOS

### **GENERAL NOTES**

- 1 ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- 2 ALL CLEARING AND GRUBBING AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
  ALL MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER.
- 3 THE LOCATIONS OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITYTO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- 4 WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 5 SEEDING WILL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007." SEE EROSION CONTROL PLAN. ESTIMATED QUANTITY = SEEDING CLASS 2A (SPECIAL) = 0.13 ACRES
- 6 THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

POROUS GRANULAR EMBANKMENT, SPECIAL 2.00 TON/CU. YD. STONE RIPRAP, CLASS A4 1.75 TON/CU. YD. HOT-MIX ASPHALT 112 LBS/IN/SQ.YD. BITUMINOUS MATERIALS (PRIME COAT) 0.1 GAL/SQ.YD.

- 7 FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES. DRAWINGS INDICATE ONLY APPROXIMATE LOCATIONS OF UTILITIES KNOW TO EXIST AT THE TIME OF DESIGN.
- 8 THE CONTRACTOR SHALL CONTACT THE KANE COUNTY DIMSION OF TRANSPORTATION (KCDOT) AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF BEGINNING ANY WORK. WHERE IN STREAM WORK AND COORDINATION WITH THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) IS NOTED ON THE PLANS, KDSWCD MUST BE CONTACTED AS NOTED ON THE PLANS.
- 9 EXPOSED EDGES OF NEW CONCRETE SHALL BE CHAMFERED 3/4" EXCEPT WHERE SHOWN OTHERWISE, CHAMFERS ON VERTICAL EDGES SHALL BE CONTINUED A MINIMUM OF ONE FOOT BELOW FINISHED GROUND LEVEL.
- 10 THE CONTRACTOR SHALL NOT MOUNT CONSTRUCTION TRAFFIC SIGNS ON EXISTING SIGNS.
- 11 THE CONTRACTOR WILL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH BARRICADE USED. TYPE I OR TYPE II (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.). ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OR FOUR (4) SANDBAGS PER BARRICADE. (INCLUDE IN COST FOR TRAFFIC CONTROL AND PROTECTION).
- 12 THE CONTRACTOR'S OPERATIONS AND A TEMPORARY STORAGE ACTIMIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE THE PROJECT AREA ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH EXISTING SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED FOR THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.
- 13 ALL PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A AND ALL PROPOSED TRAFFIC BARRIER TERMINALS, FOR THE TYPE SPECIFIED SHALL HAVE GUARDRAIL DELINEATION INSTALLED AND PAID FOR ACCORDING TO THE SPECIAL PROVISION GUARDRAIL DELI NATION.
- 14 THE CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL EVENT EQUAL TO 1/2" OR MORE.
- 15 CONSTRUCTION MATERIALS AND OR OTHER STOCKPILES SHALL NOT BE LOCATED ON STREAM BANKS OR IN THE PATH OF THE STREAM FLOW.
- 16 DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION) WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.
- 17 THE CONTRACTOR SHALL INSPECT ADJACENT STREETS DAILY AND CLEAN ADJACENT STREETS WHEN NECESSARY. ADJACENT STREETS SHALL BE KEPT CLEAR.
- 18 THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT THE SITE.
- 19 THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NO THE OWNER OF RECORD FOR THIS BRIDGE. THOSE SEEKING HISTORIC, AS BUILT OR OTHER EXISTING DOCUMENTS AND PLANS MUST CONTACT THE OWNER OF RECORD TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION.

FILE NAME =	USER NAME =	DESIGNED	-	L.F.S.	REVISED	-
080043-sht-notes.dgn		DRAWN	-	T.W.K.	REVISED	-
	PLOT SCALE =	CHECKED	-	S.W.M.	REVISED	na .
	PLOT DATE = 1/28/2010	DATE	-	01/07/10	REVISED	_

STATE OF ILLINOIS
KANE COUNTY DIVISION OF TRANSPORTATION

### HIGHWAY STANDARDS

000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

280001-05 TEMPORARY EROSION CONTROL SYSTEMS

515001-03 NAME PLATE FOR BRIDGES

630001-08 STEEL PLATE BEAM GUARDRAIL

630301-05 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS

631011-06 TRAFFIC BARRIER TERMINAL, TYPE 2

631032-05 TRAFFIC BARRIER TERMINAL, TYPE 6A

635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT

635011-02 REFLECTOR MARKER AND MOUNTING DETAILS

701901-01 TRAFFIC CONTROL DEVICES

780001-02 TYPICAL PAVEMENT MARKINGS

BLR 21-8 TYPICAL APPLICATION OF TRAFFIC CONTROL; DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES AND MIXTURE REQUIREMENTS
DAMISCH ROAD / C.H. 7

SCALE: SHEET NO. OF SHEETS STA. TO STA.

GENERAL NOTES AND MIXTURE REQUIREMENTS
DAMISCH ROAD / C.H. 7

FA.S. SECTION COUNTY SHEETS NO.

132 07-00358-00-BR KANE 33 2

CONTRACT NO. 63444

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

CODE No.	SUMMARY OF QUANTITII	UNIT	TOTAL	CONSTRUC	TION COD
		ONII	TOTAL	I-000	X081-2
20100500	TREE REMOVAL, ACRES	ACRE	0.01	0.01	
20200100	EARTH EXCAVATION	CU YD	4	4	
20400800	FURNISHED EXCAVATION	CU YD	51	51	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	85		85
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	287	287	
25001020	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.13	0.13	
25100115	MULCH, METHOD 2	ACRE	0.13	0.13	
25100630	EROSION CONTROL BLANKET	SQ YD	287	287	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	27	27	
28000305	TEMPORARY DITCH CHECKS	FOOT	24	24	
28000400	PERIMETER EROSION BARRIER	FOOT	480	480	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	245		245
28200200	FILTER FABRIC	SQ YD	320		320
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	31	31	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	38	38	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	184	184	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	47	47	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	7	7	
44000100	PAVEMENT REMOVAL	SQ YD	150	150	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50300225	CONCRETE STRUCTURES	CU YD	49.0		49.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	86.1		86.1
50300260	BRIDGE DECK GROOVING	SQ YD	417		417
50300280	CONCRETE ENCASEMENT	CU YD	4		4
50300300	PROTECTIVE COAT	SQ YD	457		457
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2220		2220
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	30180		30180
50800515	BAR SPLICERS	EACH	62		62

<sup>^ -</sup> SEE SPECIAL PROVISIONS

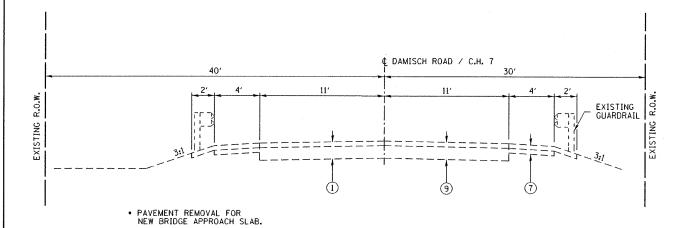
		SUMMARY OF QUANTITIES		2		
	CODE No.	ITEM	UNIT	TOTAL	I-000	TION CODE X081-2A
*	50901050	STEEL RAILING, TYPE SM	FOOT	146		146
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	605		605
	51202305	DRIVING PILES	FOOT	605		605
	51203600	TEST PILE STEEL HP12X53	EACH	1		1
٨	51500100	NAME PLATES	EACH	1		1
	542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	5	5	
	54213867	STEEL END SECTIONS 12"	EACH	1	1	
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	42		42
^	60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	126		126
^	63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	62.5	62.5	
٨	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	3	3	
٨	63100088	TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH	1	1	
^	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
^	63200310	GUARDRAIL REMOVAL	FOOT	279	279	
,	67100100	MOBILIZATION	L SUM	1	1	
۸ ا	70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1	-
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4	4	
	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1040	1040	
^	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	348	348	
^	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	247		247
^	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
١ ,	SEE SPECI	L AL PROVISIONS	<u> </u>			

 <sup>-</sup> SEE SPECIAL PROVISIONS

FILE NAME =	USER NAME =	DESIGNED - L.F.S.	REVISED -		1. 400	SUMMARY OF QUANTITIES	F.A.S. SECTIO	ION	COUNTY	TOTAL SHE	ĒΤ
080043-sht-summary.dgn		DRAWN - T.W.K.	REVISED -	STATE OF ILLINOIS		DAMISCH ROAD / C.H. 7	132 07-00358-	-00-BR	KANE	33	<u>"</u>
	PLOT SCALE =	CHECKED - S.W.M.	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION		DAIVIIGON NOAD / G.N. /			CONTRAC	T NO. 6344	44
	PLOT DATE = 2/10/2010	DATE - 01/07/10	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILL	LLINOIS FED. AID			-

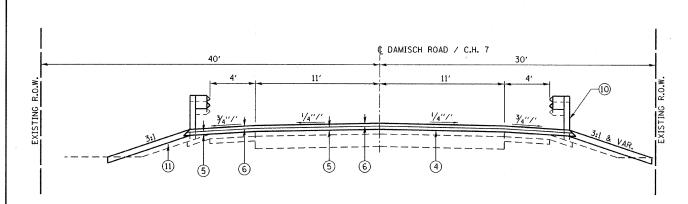
<sup>\*</sup> SPECIALTYITEMS

<sup>\*</sup> SPECIALTYITEMS



### EXISTING TYPICAL SECTION

STA. 94+20.00 TO STA. 95+12.00 STA. 95+98.00 TO STA. 96+80.00



### PROPOSED TYPICAL SECTION

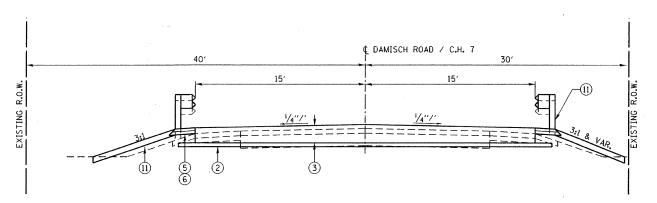
STA. 94+20.00 TO STA. 94+88.00 STA. 96+22.00 TO STA. 96+80.00

### LEGEND

- SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- BRIDGE APPROACH SLAB
- BITUMINOUS MATERIALS (PRIME COAT)
- LEVELING BINDER (MACHINE METHOD), N50 (3/4" MIN)
- HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (11/2" MIN)
- EXIST HMA/AGG SHOULDERS
- HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT
- TRAFFIC BARRIER TERMINAL, TYPE 6A & 6A (SPECIAL) SEE INSTALLATION DETAIL THIS SHEET
- TOPSOIL FURNISH AND PLACE, 4"

FILE NAME = USER NAME = DESIGNED - L.F.S. REVISED -080043-sht-typicals.dgn DRAWN - T.W.K. REVISED -PLOT SCALE = CHECKED - S.W.M. REVISED PLOT DATE = 1/27/2010 DATE - 01/07/10 REVISED

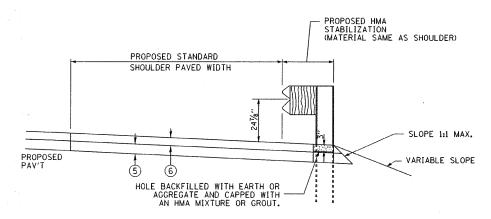
### STATE OF ILLINOIS KANE COUNTY DIVISION OF TRANSPORTATION



### PROPOSED TYPICAL SECTION

STA. 94+88.00 TO STA. 95+18.00 STA. 95+92.00 TO STA. 96+22.00

STA. 94+20.00 TO STA. 94+88.00 STA. 96+22.00 TO STA. 96+80.00



### INSTALLATION DETAIL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
 	@Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm) 1 1/2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50	4% @ 50 GYR
SHOULDERS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm) 1 1/2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50	4% @ 50 GYR
INCIDENTAL HMA SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm) 2"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/ SQ YD/ INCH THE "AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE

"AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS FOR PERCENT OF "RAP' SEE DISTRICT ONE SPECIAL PROVISIONS.

1 EXIST HMA/AGG PVT
2 SUB-BASE GRANULAR M
3 BRIDGE APPROACH SLA
4 BITUMINOUS MATERIAL
5 LEVELING BINDER (MAC
6 HOT-MIX ASPHALT SUB
7 EXIST HMA/AGG SHOUL
8 HOT-MIX ASPHALT SUB
9 PAVEMENT REMOVAL
10 TRAFFIC BARRIER TERI
11 TOPSOIL FURNISH AND

			TYPIC	AL SECT	TONS	F.A.S.	SECTION	COUNTY	TOTAL	SHEE NO.
	DAMISCH ROAD / C.H. 7					132	07-00358-00-BR	KANE	33	4
								CONTRAC	T NO. 6	53444
LE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED ROAD	DIST NO THE INDISPED	ID PROJECT		

	RC	ADWAY SCHED	JLE			
LOCATION	HOT-MIX	LEVELING BINDER	BITUMINOUS	HOT-MIX	INCIDENTAL	PAVEMENT
	ASPHALT	(MACHINE METHOD)	MATERIAL	ASPHALT	HOT-MIX	REMOVAL
	SURFACE COURSE	N50	PRIME	SURFACE	ASPHALT	
	MIX "C",N50		COAT	REMOVAL	SURFACE	
	1 1/2"		•	BUTT-JOINT		
	40603310	40600625	40600100	40200800	40800050	44000100
	TON	TON	GAL	SQ YD	TON	SQ YD
CH 7 DAMISCH RD						
STA 94+02 TO STA 95+18	25	24	17	62		75
STA 95+92 TO STA 96+80	22	14	14	109		75
ENTRANCE RT 94+68				13	7	
BRIDGE					,	
STA 95+17.73 TO STA 95+92.27						
TOTAL	47	38	31	184	7	150

	GUA	RDRAIL SCHEDULE				
LOCATION	TRAFFIC BARRIER	TRAFFIC BARRIER	STEEL PLATE BEAM	TRAFFIC BARRIER	GUARDRAIL	TERMINAL
	TERMINAL	TERMINAL	GUARD RAIL, TYPE A,	TERMINAL	REMOVAL	MARKER
	TYPE 6A	TYPE 1	9 FOOT POSTS	TYPE 6A		DIRECT
		(SPECIAL) TANGENT		(SPECIAL)		APPLIED
	63100087	63100167	63000003	63100088	63200310	78201000
	EACH	EACH	FOOT	EACH	FOOT	EACH
CH 7 DAMISCH RD						
LT. STA 94+02.17 TO LT. STA 95+08.57	1	1	12.5		102	1
RT. STA 94+86.00 TO RT. STA 95+25.89				1	44	
LT. STA 95+84.11 TO LT. STA 96+52.51	1		25		67	
RT. STA 96+01.43 TO RT. STA 96+69.83	1		25		66	
LT. STA 94+02.17 TO LT. STA 96+52.51						
RT. STA 94+86.00 TO RT. STA 96+69.83						
TOTAL	3	1	62.5	1	279	1

EARTH			ULE			
EARIN	CHANNEL	SHRINKAGE	PERCENT	EARTH EXCAVATION	EMBANKMENT	EARTHWORK
EXCAVATION	EXCAVATION	FACTOR	USED	ADJUSTED FOR	REQUIRED	BALANCE
				SHRINKAGE		
20200100	20300100	]				
CU.YD.	CU.YD.	]		CU.YD.	CU.YD.	CU.YD.
1		25.00%	100.00%	1	33	-32
3		25.00%	100.00%	2	21	-19
		25.00%	100.00%	0		0
						0
		25.00%	70.00%	0		0
						0
4	0			3	54	-51
4						-51
	20200100 CU.YD. 1 3	20200100 20300100 CU.YD. CU.YD.	20200100 20300100 CU.YD. CU.YD. 1 25.00% 3 25.00% 25.00% 25.00% 4 0	20200100 20300100 CU.YD. CU.YD.  1 25.00% 100.00% 3 25.00% 100.00% 25.00% 100.00% 25.00% 70.00%  4 0 4	SHRINKAGE   SHRINKAGE     CU.YD.   CU.YD.   CU.YD.   CU.YD.   CU.YD.     CU.YD.     CU.YD.     CU.YD.     CU.YD.     CU.YD.   CU.YD.     CU.YD.     CU.YD.     CU.YD.     CU.YD.     CU.YD.   CU.YD.     CU.YD.	SHRINKAGE

CULVERT S	CHEDULE	
	PIPE	STEEL
	CULVERTS	END
	CLASS D	SECTIONS
LOCATION	TYPE1	12"
LOCATION	12"	
	542D0217	54213867
	FOOT	EACH
CH 7 DAMISCH RD		
ENTRANCE RT 94+68	5	1
TOTAL	5	1

TREE REMOVAL	
LOCATION	TREE
	REMOVAL
	20100500
	ACRES
CH 7 DAMISCH RD	
RT. STA 94+90 TO RT. STA 95+28	0.004
LT. STA 95+84 TO LT. STA 96+40	0.006

LOCATION	CLASS D TYPE 1 12"	SECTIONS 12"	e sa
	542D0217	54213867	
	FOOT	EACH	
DAMISCH RD			
RANCE RT 94+68	5	1	
TOTAL	5	1	
			28000500 INLET AND PIPE F
			LOCATION

	OLLDING,	I LLIVIT OTTO	I TOTOGIE	I WOLOIT	LINGUIGIN	I FILMATE I FIL
LOCATION	CLASS 2A	EROSION	FURNISH	METHOD 2	CONTROL	EROSION
LOCATION	(SPECIAL)	CONTROL	AND PLACE,		BLANKET	BARRIER
		SEEDING	4"			
	25001020	28000250	21101615	25100115	25100630	28000400
CH 7 DAMISCH RD	ACRE	POUND*	SQ YD	ACRE	SQ YD	FOOT
.T.STA. 94+00 TO LT. STA 95+08	0.06	12	82	0.06	82	136
RT.STA 94+20 TO RT. STA 95+26	0.02	5	57	0.02	57	123
T.STA. 95+84 TO LT. STA 96+80	0.03	6	104	0.03	104	124
RT.STA 96+01 TO RT. STA 96+80	0.02	4	44	0.02	44	97
TOTAL	0.13	27	287	0.13	287	480
2 APPL @ 100LBS/ACRE	<del></del>	L	l	L		
•						
	PAV	EMENT MA	RKING SCI	HEDUI E		

**EROSION CONTROL** 

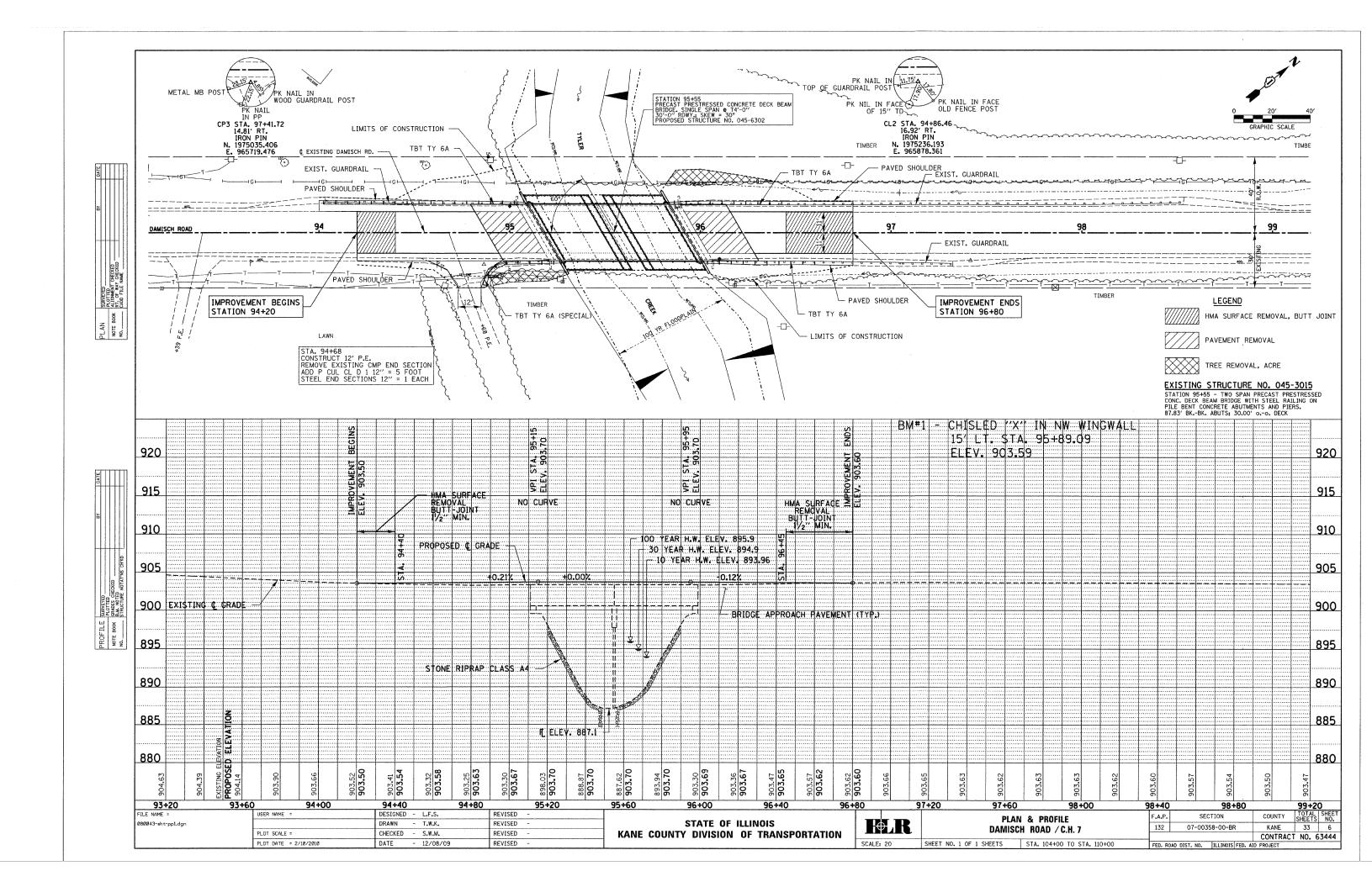
SEEDING, TEMPORARY TOPSOIL MULCH EROSION PERIMETER

PAVEMENT MARI	KING SCHEDI	JLE	
	EPOXY PAVEM	ENT MARKING	PAVEMENT
	PERM	ANENT	MARKING
LOCATION	4"	4"	REMOVAL
	SINGLE	SOLID	
	WHITE	YELLOW	
	EDGE LINE	CENTERLINE	
	78005110	78005110	78300100
	FOOT	FOOT	SQ FT
CH 7 DAMISCH RD		1	
LT. STA 94+20 TO LT. STA 96+80	260		87
LCL. STA 94+20 TO LCL. STA 96+80		260	87
RCL. STA 94+20 TO RCL. STA 96+80		260	87
RT. STA 94+20 TO RT. STA 96+80	260		87
SUBTOTAL	520	520	348
TOTAL	10	40	348

28000500 INLET AND PIPE PROTI	ECTION
LOCATION	EACH
CH 7 DAMISCH RD	
RT STA94+62	1
TOTAL	1

28000305 TEMPORARY DITCH C	HECKS
OCATION	FOOT
CH 7 DAMISCH RD	
RT STA 94+90	8
T STA 95+97	8
RT STA 96+20	8
	**************************************
TOTAL	24

ILE NAME =	USER NAME =	DESIGNED -	L.F.S.	REVISED -						CHEDIII	E OF QUA	MITITIES	F.A.S.	SECT	ION	COUNTY	TOTAL SHEET
80043-sht-schedule.dgn		DRAWN -	T.W.K.	REVISED -	STATE OF ILLINOIS	1.4	LR				H ROAD		132	07-00358	8-00-BR	KANF	33 5
	PLOT SCALE =	CHECKED -	S.W.M.	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION					DAMISC	П NUAU /	C.n. 1	1-92			CONTRAC	NO. 63444
	PLOT DATE = 2/10/2010	DATE -	01/07/10	REVISED -		SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO.	ILLINOIS FED. AID		

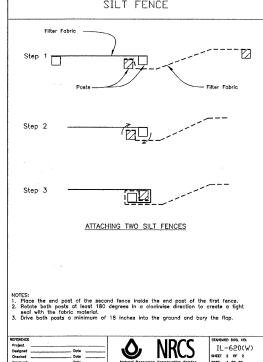


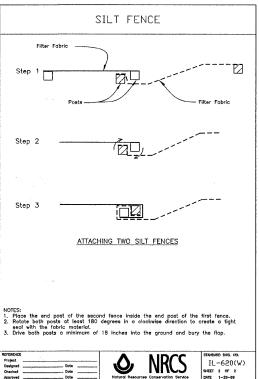
### SOIL EROSION CONTROL NOTES

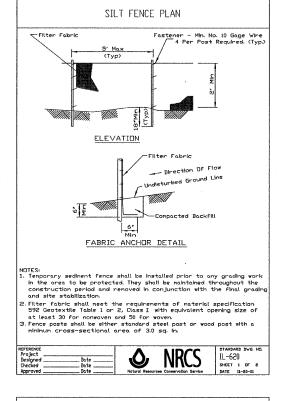
- A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION, SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ON UPLAND AREAS.
- C. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- D. ALL PERMANENT SEEDING SHALL BE TYPE 2A WITH THE EXCEPTION OF AREAS ALONG THE BANKS OF TYLER CREEK WHICH SHALL BE SEEDED WITH TYPE 4 OR 4B WHEN SEEDING WITHIN 2 FEET OF THE NORMAL WATER SURFACE.
- E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- F. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.
- G. ANY SEDIMENT OR SOIL REACHING ON THE PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.
- I. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- J. THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT SHALL BE NOTIFIED ONE DAY PRIOR TO DEWATERING ACTIVITIES.
- K, ALL AQUATIC LIFE WITH THE EXCEPTION OF INVASIVE SPECIES LIKE CARP OR ASIAN FINGERNAIL CLAM SHALL BE TRANSPLANTED TO THE ACTIVE STREAM AFTER DEWATERING.

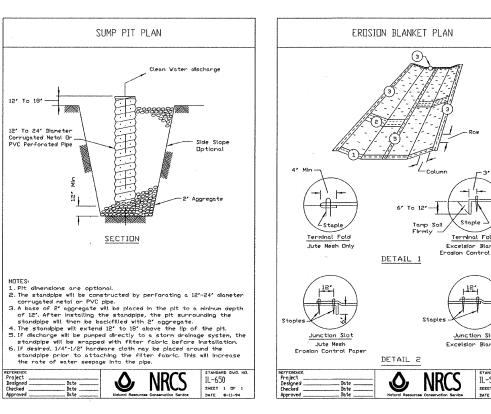
### KANE - Dupage soil and water conservation notes

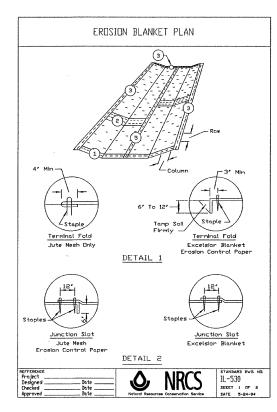
- 1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.
- 2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD)
  MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE- CONSTRUCTION
  CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND
  DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- 3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- 6. DEWATERING OPERATIONS MAY INCLUDE SEDIMENT COLLECTION TRAPS OR TANKS, A FILTER BAG WITH SECONDARY CONTAINMENT, OR A DESIGNED POLYMER SYSTEM FOR SEDIMENT CONTROL.
- 7. OVERALL AND EXACT MEANS/METHODS FOR COFFERDAM DEWATERING OPERATION, AND ACCESS PAD THAT ARE DETERMINED BY THE CONTRACTOR SHOULD BE CONVEYED AND APPROVED BY THE KDSWCD PRIOR TO STARTING WORK. THIS CAN BE A PHONE CALL, PRE-CONSTRUCTION MEETING, OR SHOP DRAWING SUBMITTAL AT LEAST 72 HOURS PRIOR TO THE START
- 8. THE WORK AREA SHOULD BE COMPLETELY DEWATERED PRIOR TO EXCAVATION AND DISCHARGE WATER SHOULD BE MONITORED CONTINUOUSLY AND PLACED ON AN ENERGY DISSIPATING SURFACE.
- 9. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

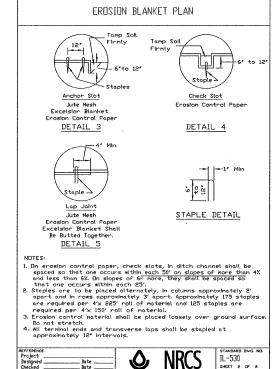












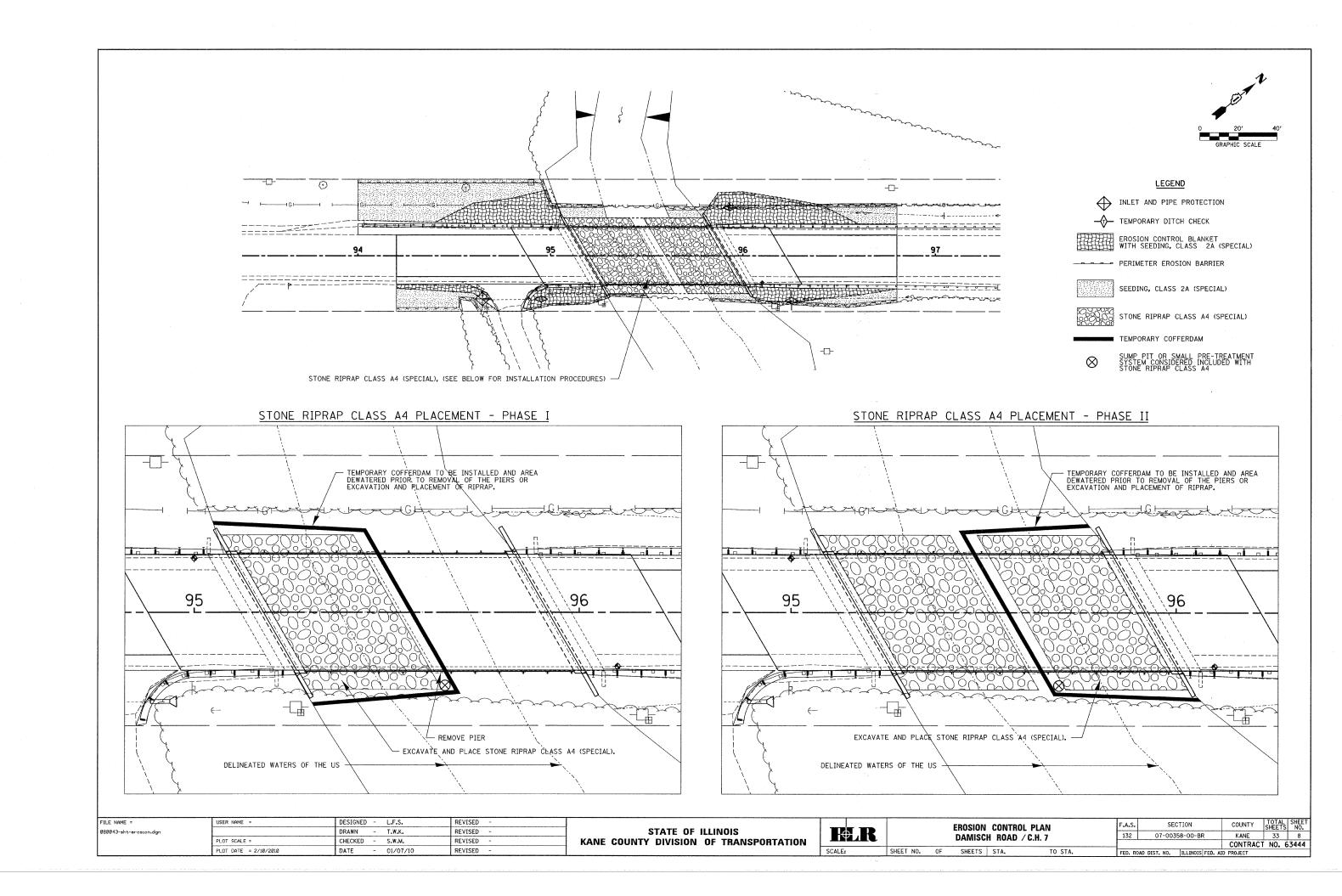
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Ø8ØØ43-sht-erosion.dgn		DRAWN	-	T.W.K.	REVISED -
	PLOT SCALE =	CHECKED	-	S.W.M.	REVISED -
	PLOT DATE = 1/26/2010	DATE	-	01/07/10	REVISED -

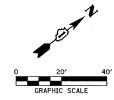
STATE OF ILLINOIS KANE COUNTY DIVISION OF TRANSPORTATION

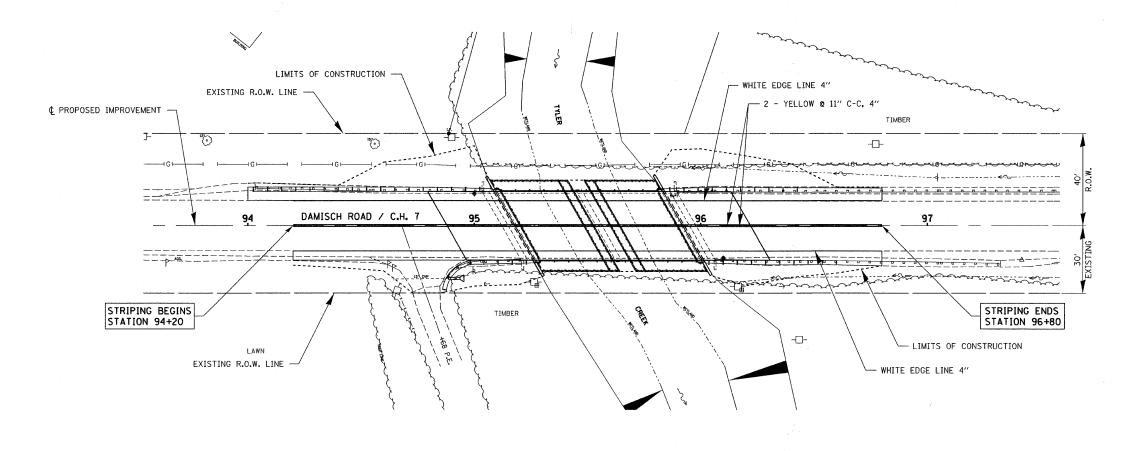
12' To 24' Diameter Corrugated Metal Or PVC Perforated Pipe

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ALE:	SHEET NO.	OF	SHEE

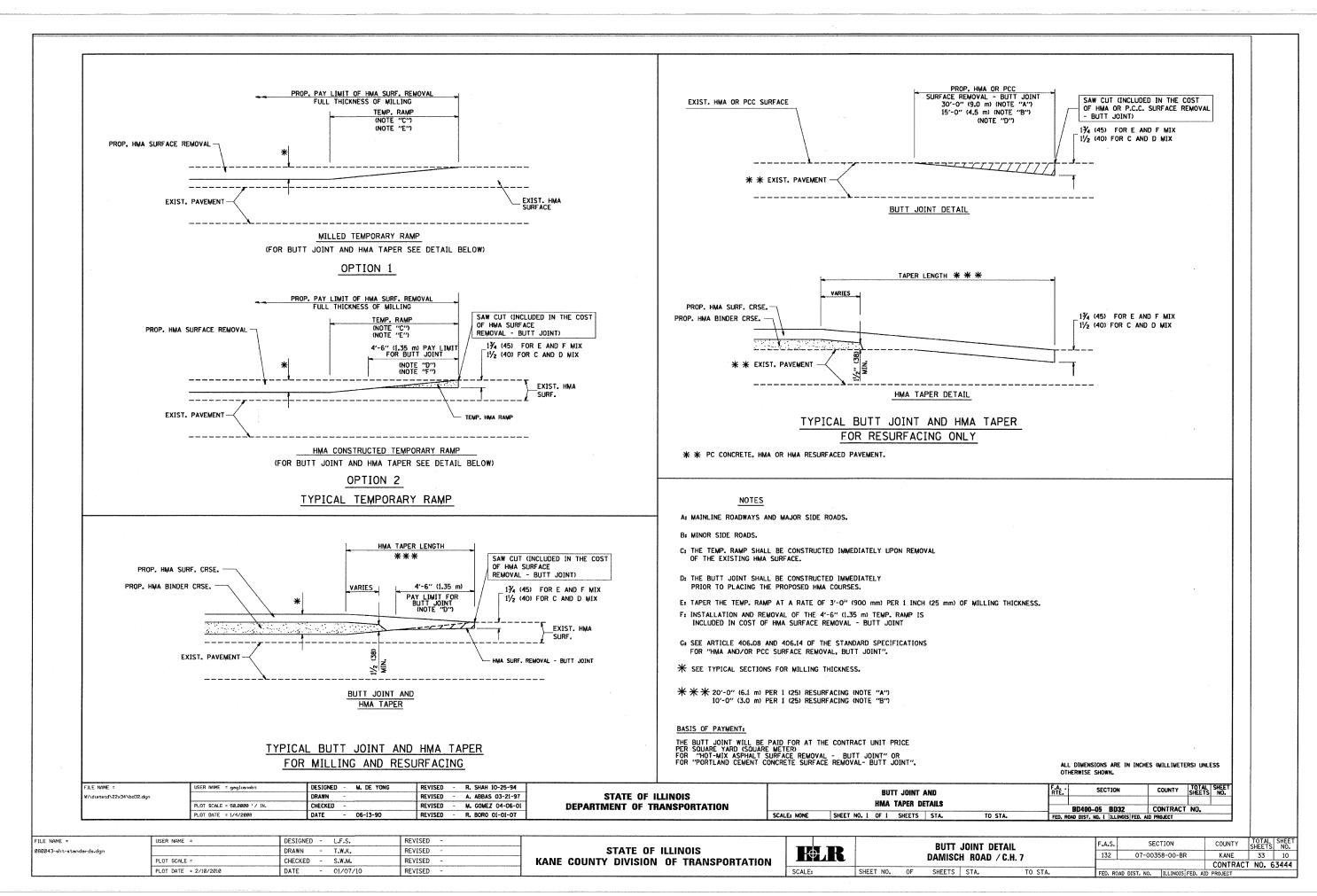
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ROSION	CONTROL PLAN H ROAD / C.H. 7 STA. TO STA.	F.A.S.	SEC	TION	COUNTY	TOTAL	
AMISCH ROAD / C.H. 7		132	07-003	58-00-BR	KANE	33	
		· • · · · · · · · · · · · · · · · · · ·				CONTRACT	NO.
SHEETS	STA.	TO STA.	FED. RO.	AD DIST. NO.	ILLINOIS FED. AI	D PROJECT	

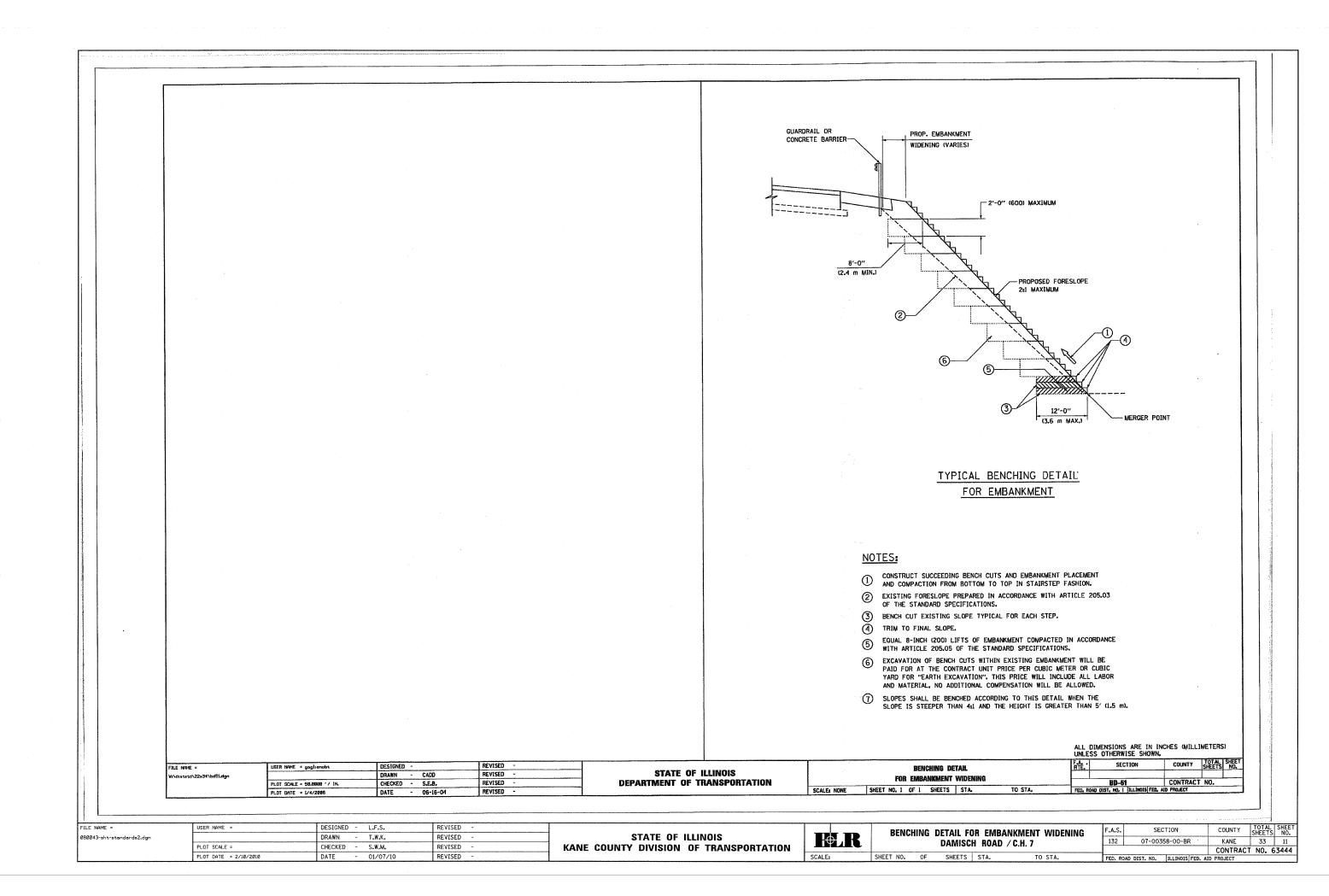


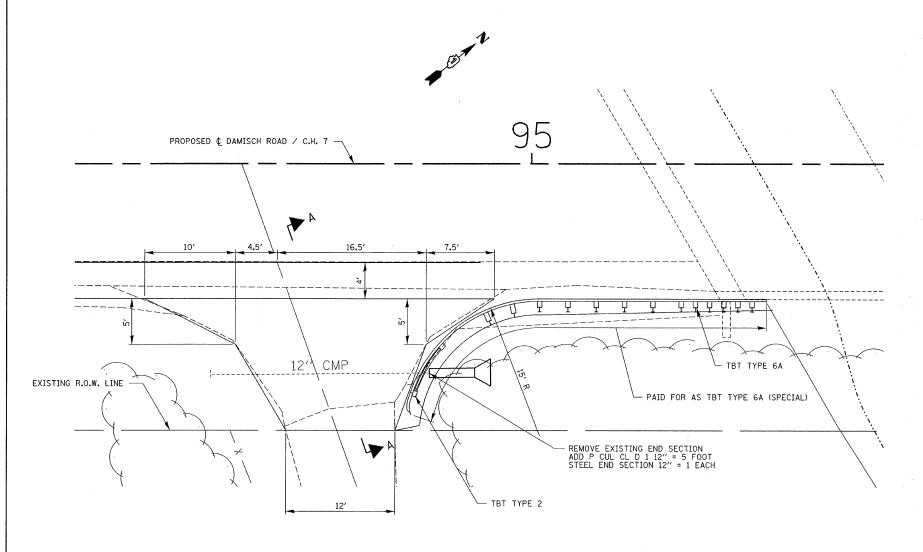


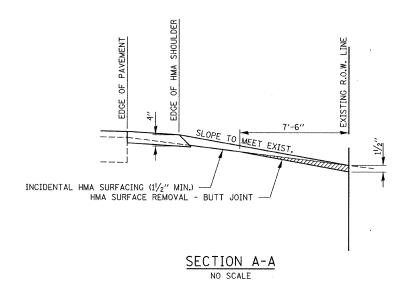


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Ø8ØØ43-sht-pvmtmrk.dgn		DRAWN -	T.W.K.	REVISED -	STATE OF ILLINOIS			DAMISCH ROAD / C.H. 7				132	07-00358-00-BR	KANE	33 9
	PLOT SCALE =	CHECKED -	S.W.M.	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION	PELLEGE	DAIVIISCH NUAD / C.H. /					CONTRACT NO. 63444			
	PLOT DATE = 1/28/2010	DATE -	01/07/10	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	S STA.	TO STA.	FED. ROA	D DIST. NO. ILLINOIS FED.	AID PROJECT	







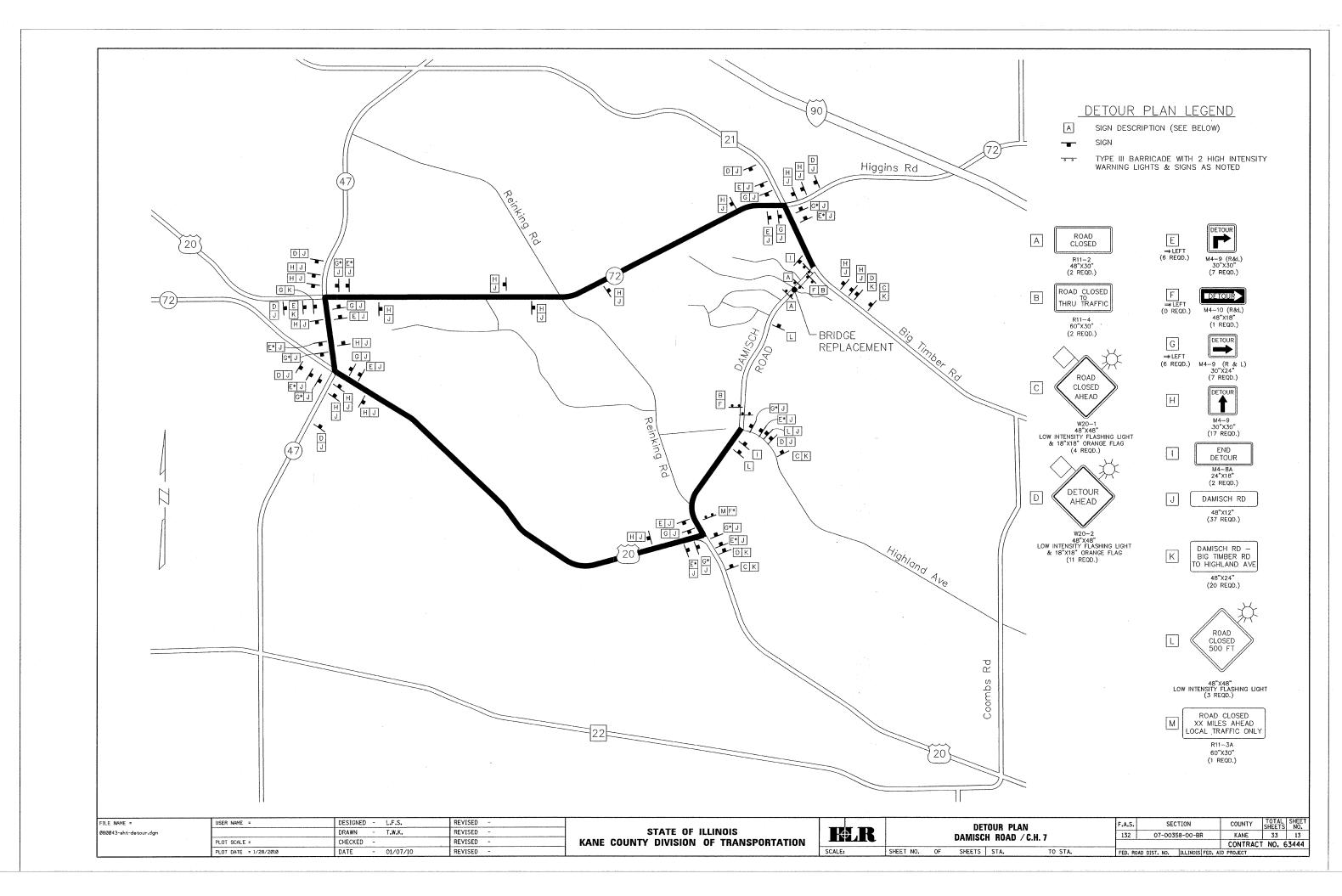




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Ø80043-sht-miscdet.dgn		DRAWN - T.W.K.	REVISED -	STATE OF ILLINOIS
	PLOT SCALE =	CHECKED -	REVISED -	KANE COUNTY DIVISION OF TRANSPORTATION
	PLOT DATE = 2/10/2010	DATE - 01/07/10	REVISED -	

	MISCELLANEOUS DETAILS						SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I <del>ΙΦ</del> ⊿ Κ			DAMISC	H ROAD	/C.H. 7	132	07-00358-00-BR	KANE	33	12
						_		CONTRACT	NO. 6	53444
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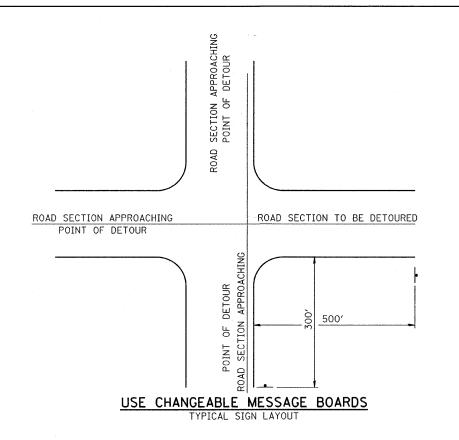


### DETOUR GENERAL NOTES

- 1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JAN. 1, 2007", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 1990", THE DETAILS IN THESE PLANS, AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
- 2. THE DURATION OF THE DETOUR SHALL NOT EXCEED 60 CALENDAR DAYS OR AUGUST 1, 2009 . THE CONTRACTOR SHALL SCHEDULE ALL WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.
- 3. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES FOR APPROVAL OF SUCH DATE.
- 4. IF DEEMED NECESSARY BY THE ENGINEER A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE KANE COUNTY HIGHWAY DEPARTMENT REPRESENTATIVE FOR THE DETOUR IS:

DAVID BOESCH KANE COUNTY DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING SECTION 41W011 BURLINGTON ROAD ST. CHARLES, ILLINOIS 60175 (630) 584-1170

- 6. IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- 7. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- 8. THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- 10. THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE.
  THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT ARE DEEMED NECESSARY BY THE ENGINEER.
  ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM
  "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR".
- 11. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- 12. ALL DETOUR SIGNING SHALL BE POST MOUNTED.
- 13. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1084.02 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION AND ACCEPTANCE OF THE SIGNS.
- 14. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 15. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- 16. THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THE PLANS ARE 18" BY 18".
- 17. ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8'-0" IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- 18. THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3), AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- 19. THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" BY VARIABLE OR A 12" BY VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- 20. DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- 21. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- 23. THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK: STANDARD 701901, BLR 21
- 24. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- 25. THE PENALTY FOR EXCEEDING THE TIME LIMIT, AS STATED IN DETOUR GENERAL NOTE TWO OF THESE PLANS, SHALL EQUAL THE CHARGE OF TRAFFIC CONTROL DEFICIENCY OF \$1000 PER DAY, FOR EVERY CALENDAR DAY THE DETOUR AND ROAD CLOSURE EXCEEDS THE TIME LIMIT SET IN DETOUR GENERAL NOTE TWO. THIS PENALTY CAN BE ASSESSED IN ADDITION TO THE PENALTY SPECIFIED IN THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION AND BOTH PENALTIES CAN BE CHARGED CONCURRENTLY.



DAMISCH RD WILL BE CLOSED FROM TO

### PRE-DETOUR INFORMATION

TE: THIS SIGN SHALL BE INSTALLED 7-10
CALENDAR DAYS PRIOR TO THE DETOUR
AND ROAD CLOSURE. THE SIGNS SHALL
BE REMOVED THE DAY THE DETOUR BEGINS.

## LOCATIONS OF PRE-DETOUR INFORMATION BOARDS DAMISCH ROAD © BIG TIMBER

SCALE:

DAMISCH ROAD @ U.S. 20

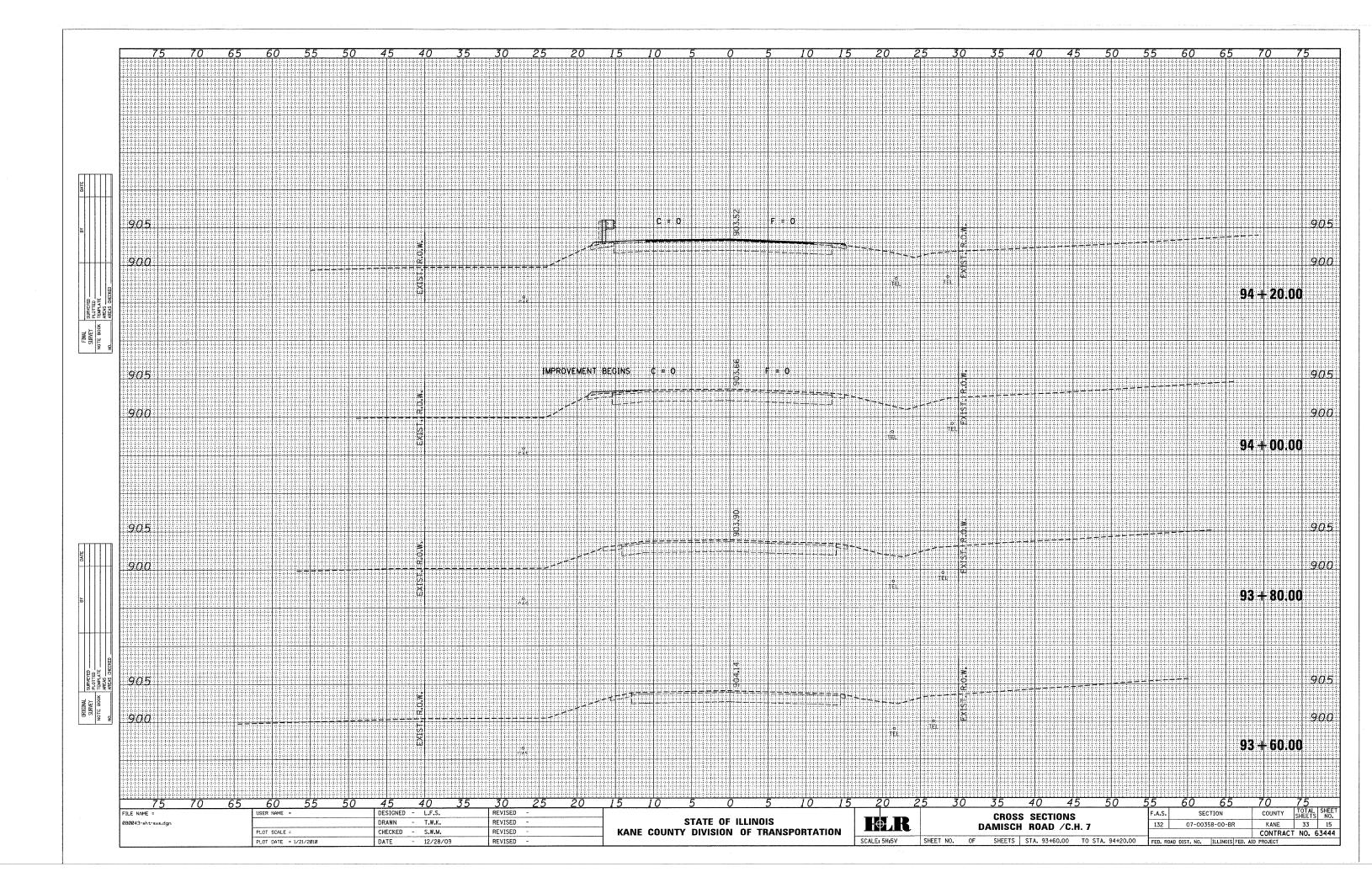
ROUT Ε B TYPE III BARRICADE D G G 500' 500' 500' DETOUR ROUTE ROAD APPROACHING DETOUR ROUTE 300' G ROUTE G E 9

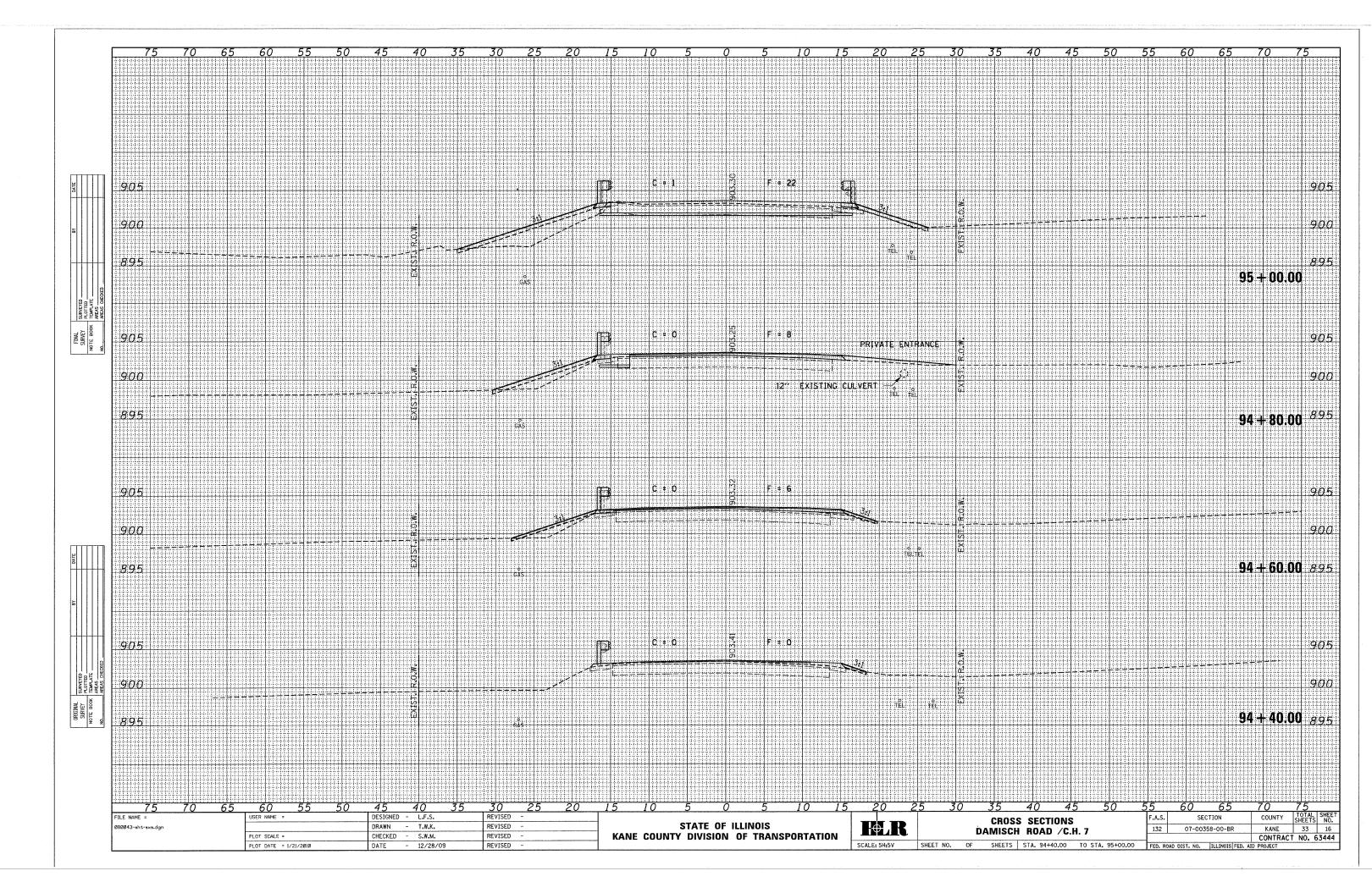
TYPICAL INTERSECTION
AT POINT OF DETOUR

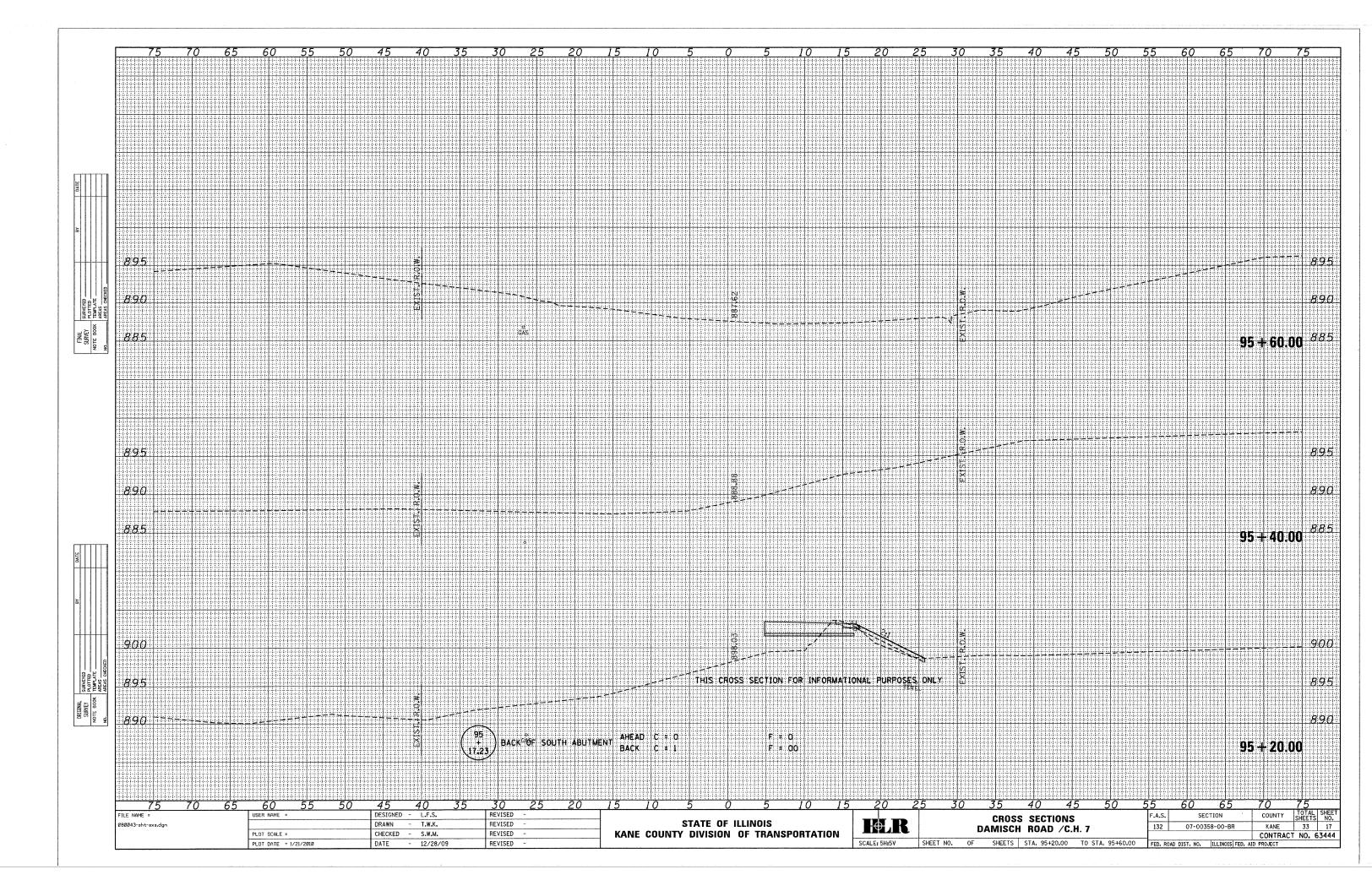
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080043-sht-detour.dgn		DRAWN - T.W.K.	REVISED -	
	PLOT SCALE =	CHECKED -	REVISED ~	
	PLOT DATE = 1/28/2010	DATE - 01/07/10	REVISED -	

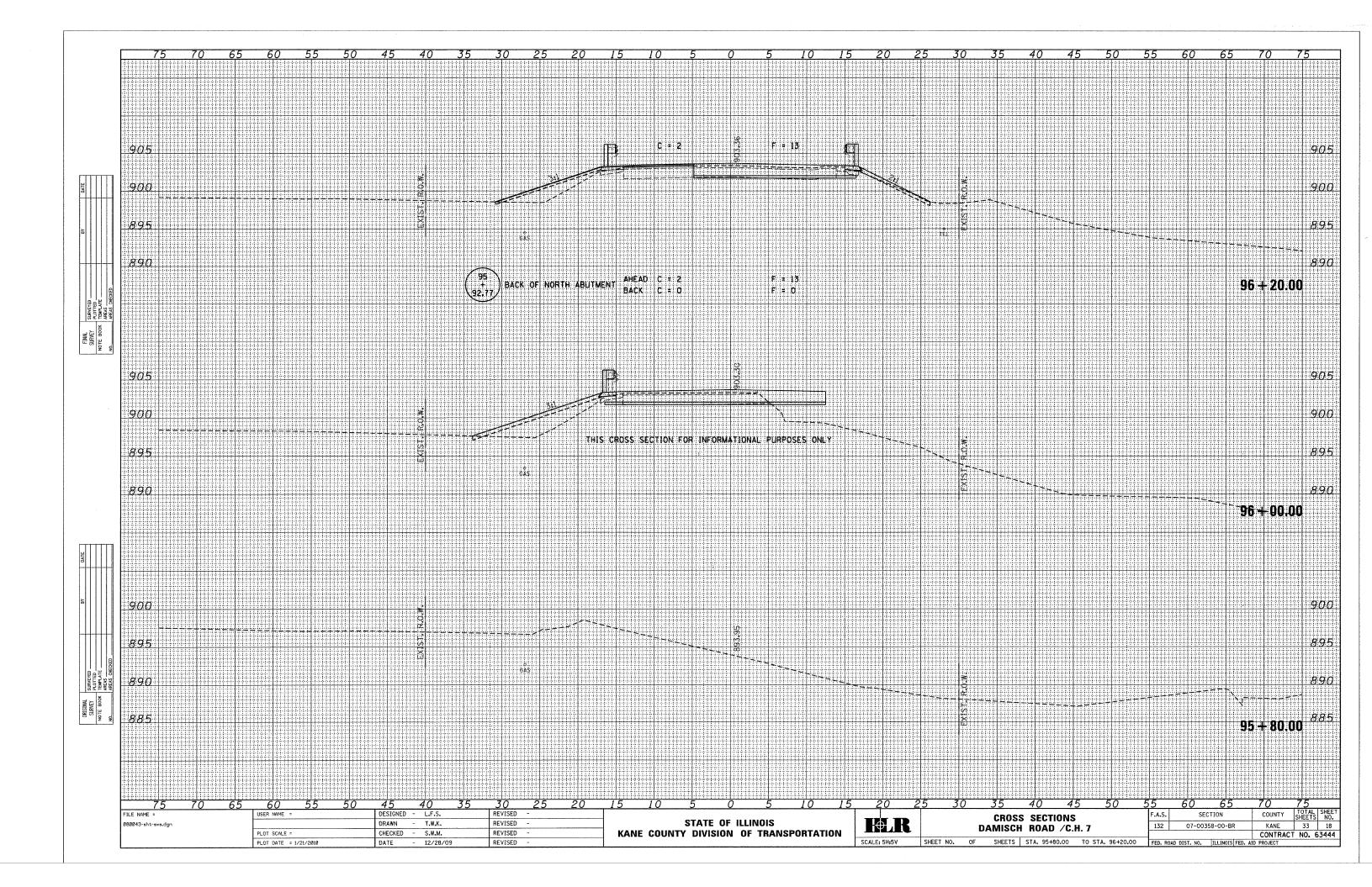
STATE OF ILLINOIS
KANE COUNTY DIVISION OF TRANSPORTATION

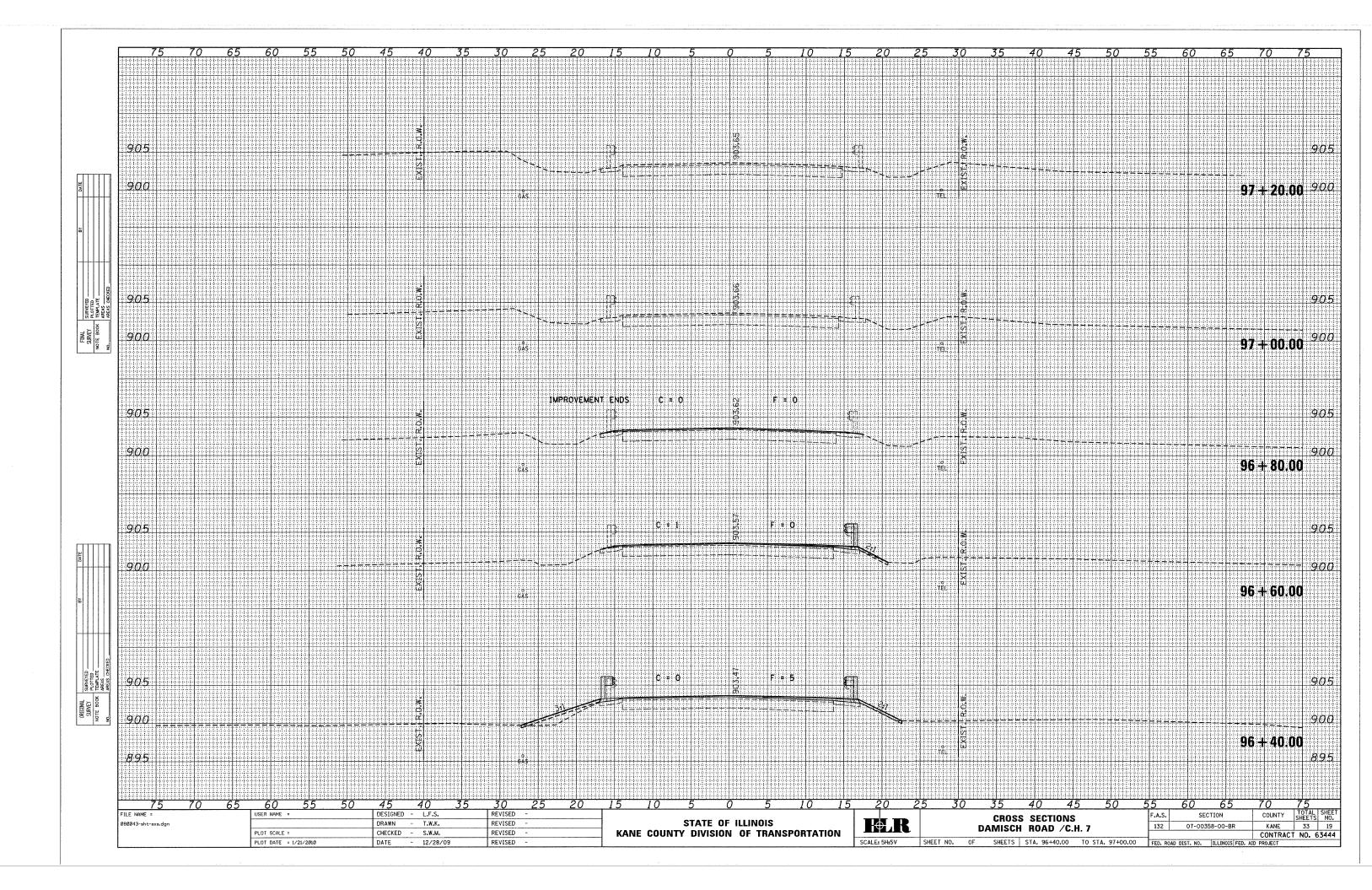
				DET	OUR PL	AN		F.A.S.	SEC	CTION	COUNTY	TOTAL SHEETS	SHEE NO.
$\Theta$	LR			DAMISC				132	07-003	58-00-BR	KANE	33	14
_											CONTRACT	NO. 6	3444
۰.		CHEET NO	VE.	CHEETC	CTA		TO CTA	FFD 50	ID DICT NO				

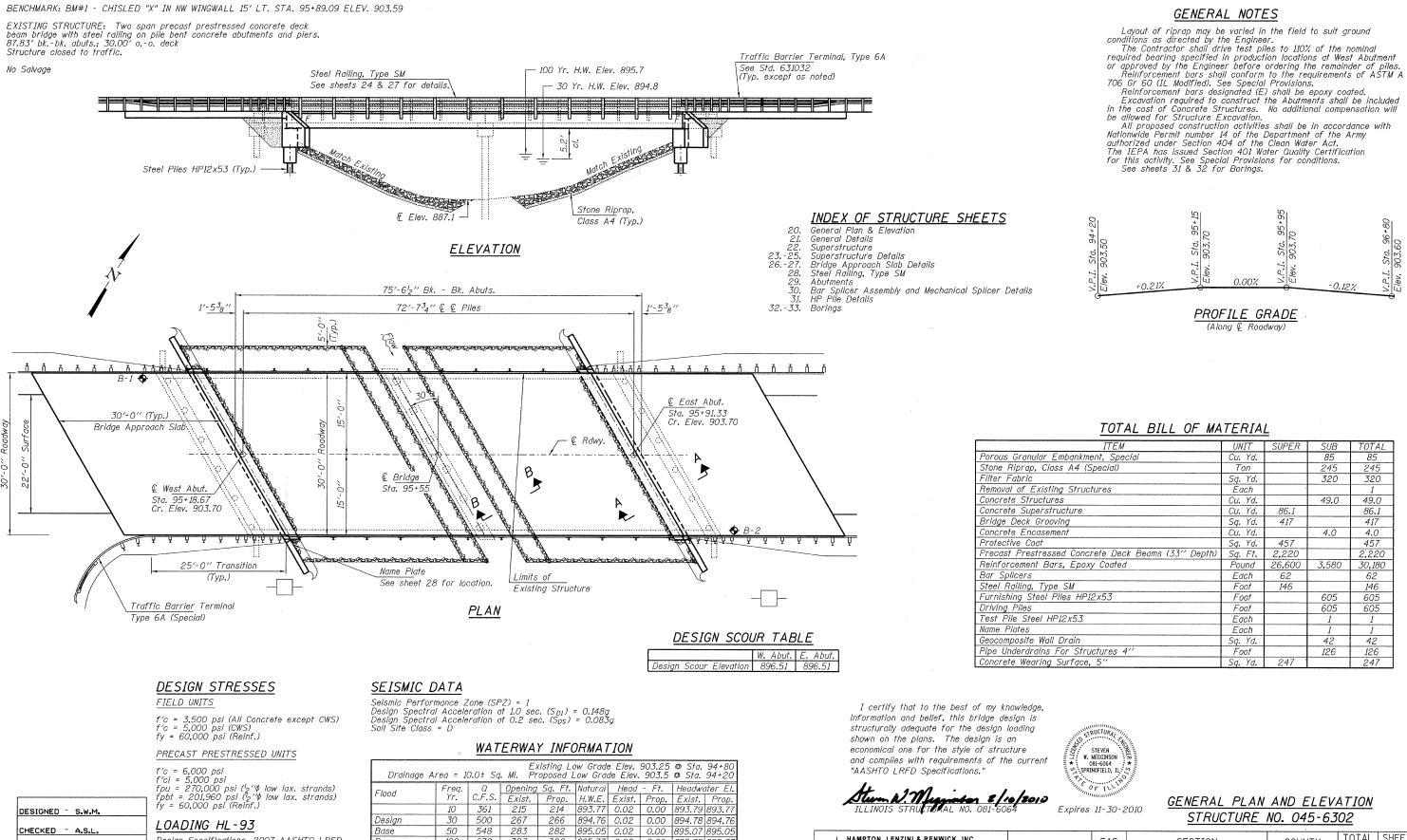












322 895.73 0.02 0.00 895.75 895.7

10 Year Velocity through Proposed Bridge = 1.7 fps

672 323

10 Year Velocity through Existing Bridge = 1.7 fps

Max. Calc. 500 869 381 380 896.65 0.02 0.00 896.67 896.6

Overtopping

CHECKED - A.S.L

DRAWN - D.A.B.

CHECKED - S.W.M.

Design Specifications: 2007 AASHTO LRFD

with all applicable interims.

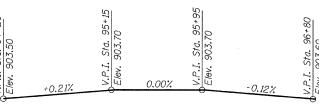
future wearing surface.

50#/Sq. Ft. included in dead load for

Layout of riprap may be varied in the field to suit ground

Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions. See sheets 31 & 32 for Borings.



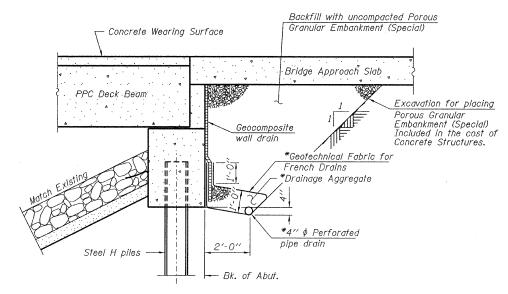
PROFILE GRADE

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		85	85
Stone Riprap, Class A4 (Special)	Ton		245	245
Filter Fabric	Sq. Yd.		320	320
Removal of Existing Structures	Each	,		1
Concrete Structures	Cu. Yd.		49.0	49,0
Concrete Superstructure	Cu. Yd.	86.1		86.1
Bridge Deck Grooving	Sq. Yd.	417		417
Concrete Encasement	Cu. Yd.		4.0	4.0
Protective Coat	Sq. Yd.	457		457
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq. Ft.	2,220		2,220
Reinforcement Bars, Epoxy Coated	Pound	26,600	3,580	30,180
Bar Splicers	Each	62		62
Steel Railing, Type SM	Foot	146		146
Furnishing Steel Piles HP12x53	Foot		605	605
Driving Piles	Foot		605	605
Test Pile Steel HP12x53	Each		1	1
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		42	42
Pipe Underdrains For Structures 4''	Foot		126	126
Concrete Wearing Surface, 5"	Sq. Yd.	247 '		247

GENERAL PLAN AND ELEVATION STRUCTURE NO. 045-6302

HAMPTON, LENZINI & RENWICK, INC. STRUCTURAL ENG LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 ROJECT NUMBER: 08.0043.130 DATE: 01/07/10

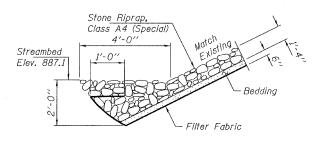
FAS	SEC	TION		COUNTY	TOT.	AL TS	SHEET NO.
132	07-0035	8-00-BR		KANE	33		20
DAMIS	CH ROAD OVER	TYLER CI	REEK	CONTRACT	NO.	63	444
FED. RO	DAD DIST. NO.	ILLINOIS	FED. A	D PROJECT			



### SECTION A - A (Horiz. dim. @ Rt. L's)

Note: See Special Provisions for Stone Riprap, Class A4.

\* Included in the cost of Pipe Underdrains For Structures 4"



SECTION B-B

DESIGNED - S.W.M.

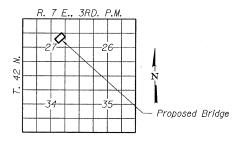
CHECKED - A.S.L.

DRAWN - D.A.B.

CHECKED - S.W.M.

TYLER CREEK
BUILT 20\_\_ BY
KANE COUNTY
SEC. 07-00358-00-BR
DAMISCH ROAD / C.H. 7
STR. NO. 045-6302
LOADING HL-93

NAME PLATE
See Std. 515001



LOCATION SKETCH

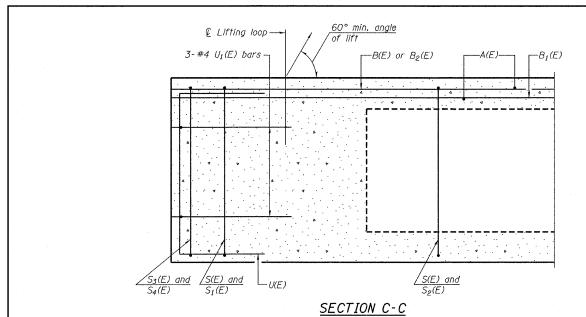
### GENERAL DETAILS STRUCTURE NO. 045-6302

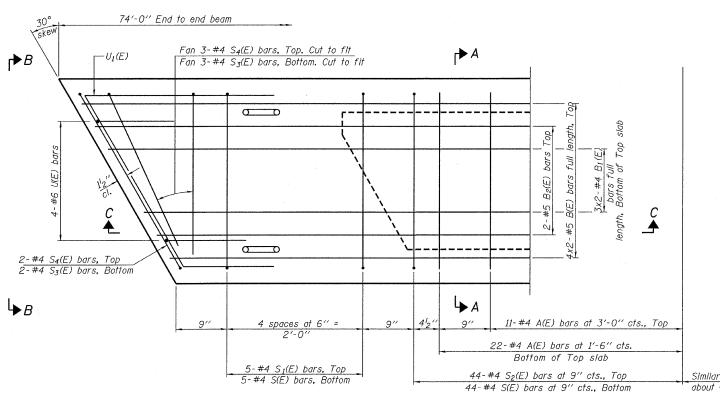
HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

PROJECT NUMBER: 08.0043.130 DATE: 01/07/10

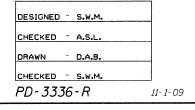
FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
132	07-00358-00-BR	KANE	33	21
DAMIS	CH ROAD OVER TYLER CREEK	CONTRACT	NO. 63	444
FED. RC	AD DIST. NO.   ILLINOIS FED. A	ID PROJECT		



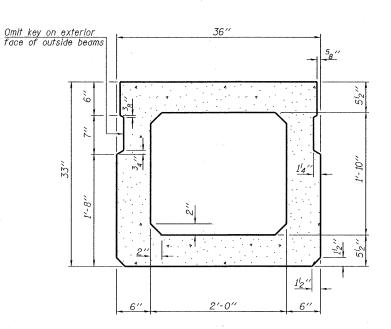


### PLAN VIEW

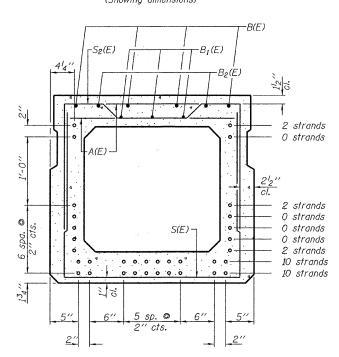
Note: Spacing of S(E) and  $S_2(E)$  bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



MINIMUM BAR LAP #4 bar = 2'-0" #5 bar = 2'-6"



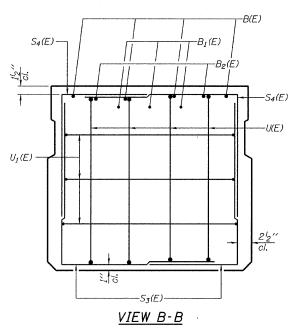
### SECTION A-A (Showing dimensions)



### SECTION A-A

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



### BAR LIST ONE BEAM ONLY (For information only)

Bar No. Size Length Shape

A(E)	66	#4	2'-7"	
B(E)	8	#5	38'-2''	
$B_1(E)$	6	#4	37′-11′′	
$B_2(E)$	4	#5	10'-0''	
D(E)	48	#4	2'-9"	Г
S(E)	98	#4	7′-5′′	لـــا
$S_1(E)$	10	#4	6'-3''	
$S_2(E)$	88	#4	6'-6''	~
S3(E)	10	#4	4'-10''	
S4(E)	10	#4	4'-3"	
U(E)	8	#6 .	5'-0''	
$U_I(E)$	6	#4	6'-10''	

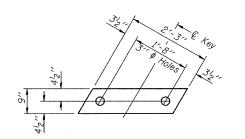
Note: See sheets 22 thru 24 for additional details and Bill of Material.

### SUPERSTRUCTURE 33" x 36" PPC DECK BEAM STRUCTURE NO. 045-6302

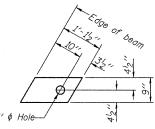
HAMPTON, LENZINI & RENWICK, INC.

CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 HER PROJECT NUMBER: 08.0043.130

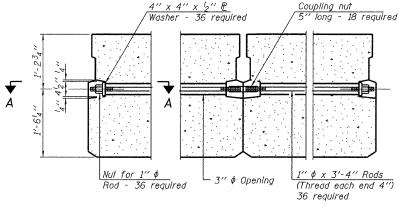
 						,
FAS	SEC <sup>-</sup>	ΓΙΟΝ		COUNTY	TOTAL SHEETS	SHEET NO.
132	07-0035	8-00-BR		KANE	33	22
DAMIS	CH ROAD OVER	TYLER C	REEK	CONTRACT	NO. 63	3444
FED. RO	AD DIST. NO.	ILLINOIS	FED. A	D PROJECT		



FABRIC BEARING PAD



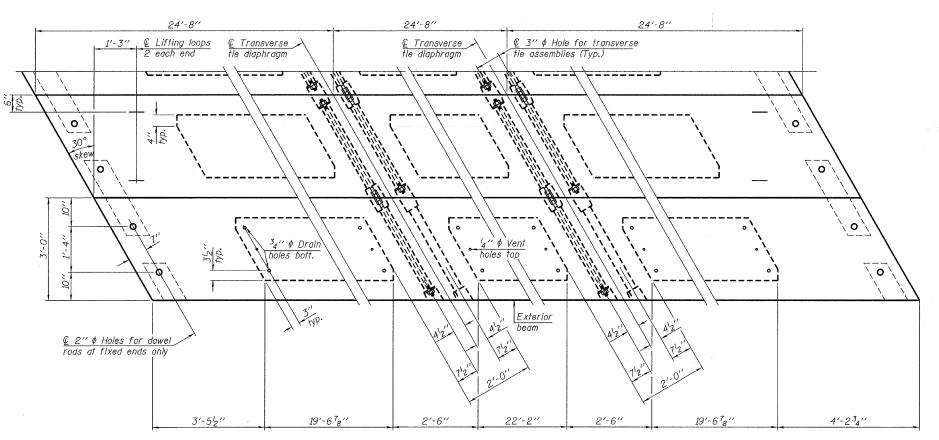
## FABRIC BEARING PAD



TYPICAL TRANSVERSE TIE ASSEMBLY



Notes: All bearing pads shall be 1" thick. Omit holes when using expansion bearings. Expansion bearing pad shall be bonded to the substructure.



PLAN VIEW

### NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be  $l_2^{\prime\prime}$  and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" \$\phi\$ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two  $l_g$ " fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each

A minimum  $2^{l_2}$ "  $\phi$  lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used

in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

bearing pad location.

### SUPERSTRUCTURE DETAILS 33" x 36" PPC DECK BEAM DETAILS STRUCTURE NO. 045-6302 TOTAL SHEET NO.

Precast Prestressed Conc. Deck Bms. (33" depth)

HAMPTON, LENZINI & RENWICK, INC. FAS SECTION 07-00358-00-BR 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 DAMISCH ROAD OVER TYLER CREEK | CONTRACT NO. 63444 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT DATE: 01/07/10 PROJECT NUMBER: 08.0043.130

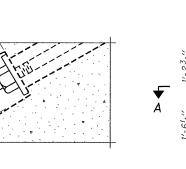
### Note: Connect beams in pairs with the transverse tie configuration shown.

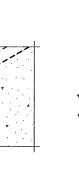
<u> </u>			
DESIGNED	-	S.W.M.	
CHECKED	_	A-S-I -	
GIIZGIAZD			
DRAWN	-	D.A.B.	
CHECKED	-	S.W.M.	
PD - 333	36	- RN	

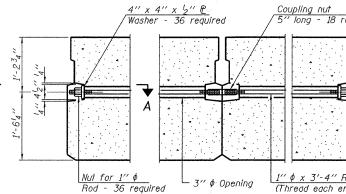


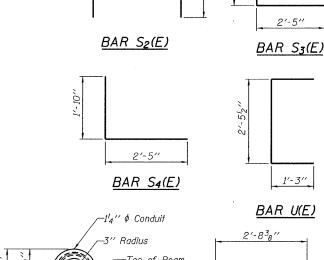
11-1-09

SECTION A-A









2'-7"

BAR S(E)

BAR  $S_1(E)$ 

2'-5"

1'-3"

270 ksi strands 1'-3''

LIFTING LOOP DETAIL

BILL OF MATERIAL

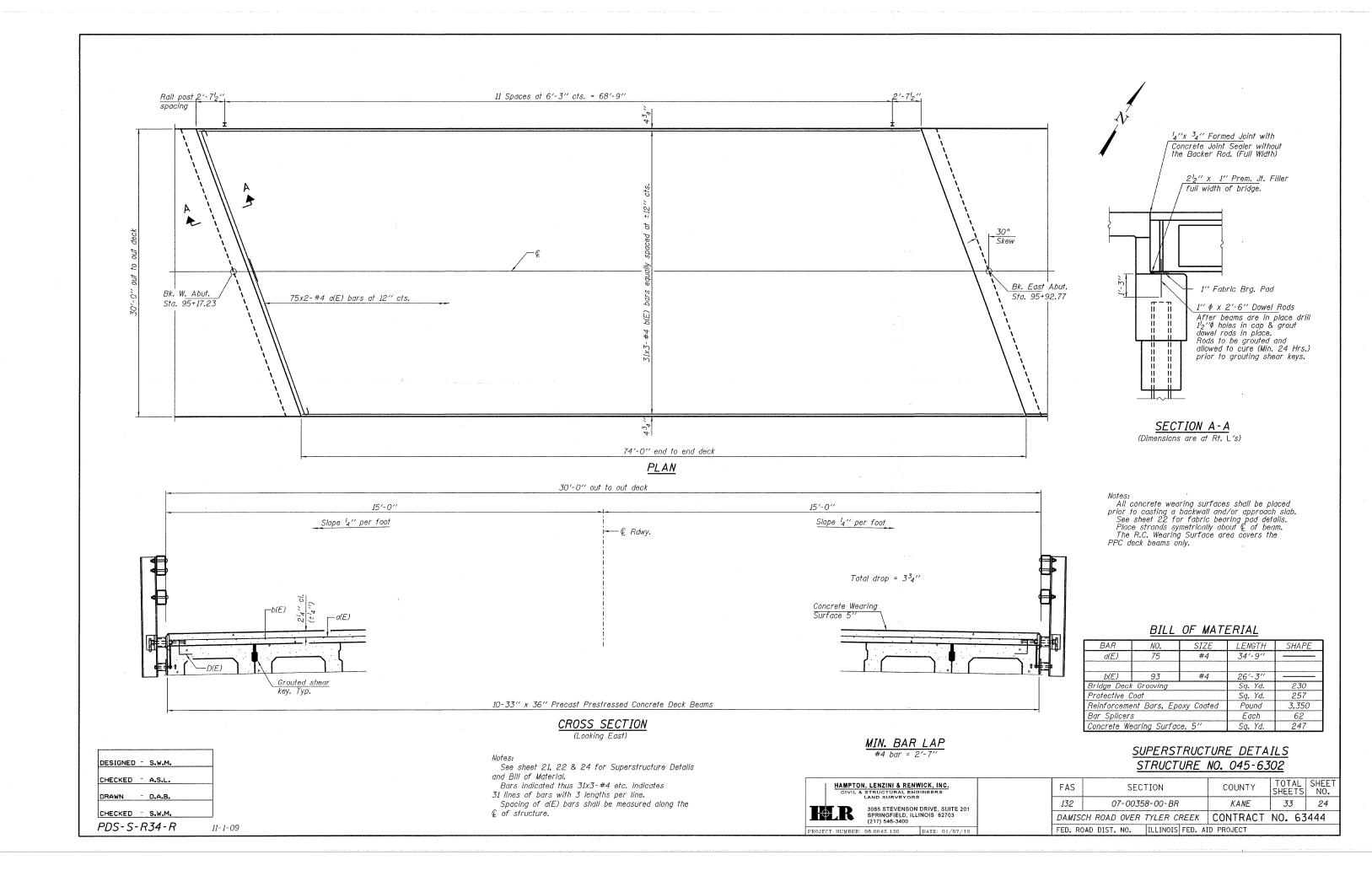
COUNTY

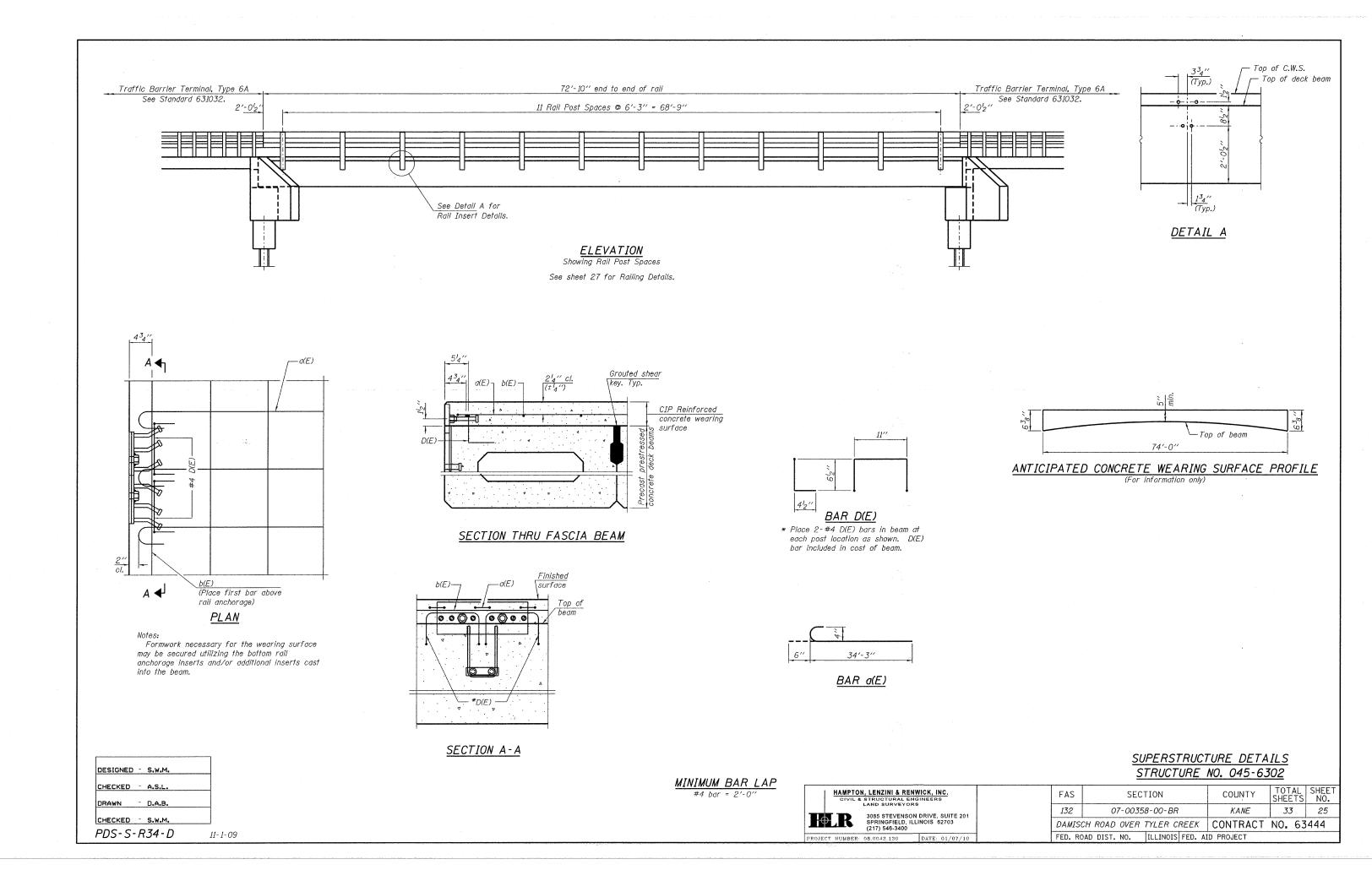
BAR U1(E)

Sq. Ft. 2,220

33

23



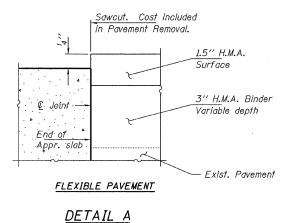


- End of Bridge Approach Slab 25-#4 q(E) bars at 15" cts. (Top of slab) 15-#5 w(E) bars at 6" cts. Top and bottom of Approach Footing. See Sec. C-C End Slab Sta. 94+88.00 (W. Appr.) End Slab Sta. 96+22.00 (E. Appr.) Sta. 95+18.00 (W. Appr.) Sta. 95+92.00 (E. Appr.) 46-#5 az(E) bars at 8" cts. (Bottom of slab) Bk. PPC Deck Beam 25'-0"  $\downarrow_D$ PLAN

\*Tilt #9  $b_{\mathbf{z}}$ (E) bars as required to maintain clearance.

DESIGNED - S.W.M. CHECKED - A.S.L. DRAWN - D.A.B. CHECKED - S.W.M.

Notes: See sheet 26 for Sections C-C and D-D. a(E) and  $a_2(E)$  bar spacings measured along  $\ell$  Rdwy.



(Sheet 1 of 2)

BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 045-6302

TOTAL SHEET NO. HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS FAS SECTION 07-00358-00-BR 33 26 KANE 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 DAMISCH ROAD OVER TYLER CREEK | CONTRACT NO. 63444 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

30'-0" -⊈ Joint — PPC Deck Beam Concrete Existing Pavement —Bar splicers (E) Overlay -Bonded construction joint See Detail A-\*\* Subbase Granular Mat'l. Type B, 4" Approach Footing t(E) -Porous Granular - v4(E) w(E)-Embankment (Special) -Along € roadway → © Joint SECTION C-C \*\*\* 10 mil. Polyethylene bond breaker on steel trowel finish

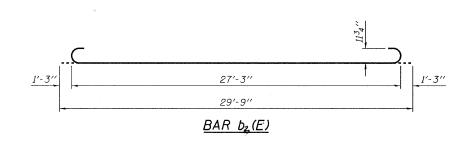
### Notes:

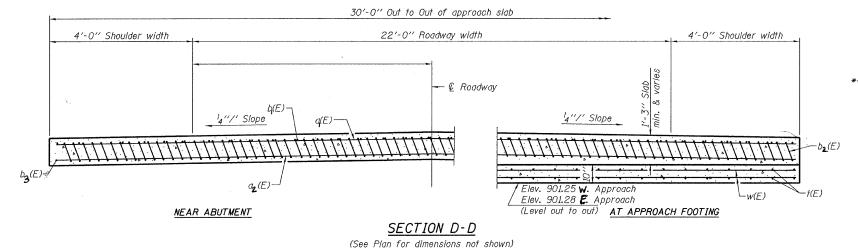
See sheet 25 for Detail A.

Approach slab concrete shall be paid for as Concrete Superstructure. Approach footing concrete shall be paid for as Concrete Structures. Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated. For v4(E) bar details, see sheet 28.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf. For bar splicer details, see sheet 29.

Cost of excavation for approach footing included with Concrete Structures. For Porous Granular Embankment (Special) and drainage treatment details, see





DESIGNED - S.W.M.

CHECKED - A.S.L. DRAWN - D.A.B. CHECKED - S.W.M.

### \* Tilt #9 $b_2(E)$ bars as required to maintain clearance.

\*\*\* Cost included with Concrete Superstructure.

### TWO APPROACHES BILL OF MATERIAL

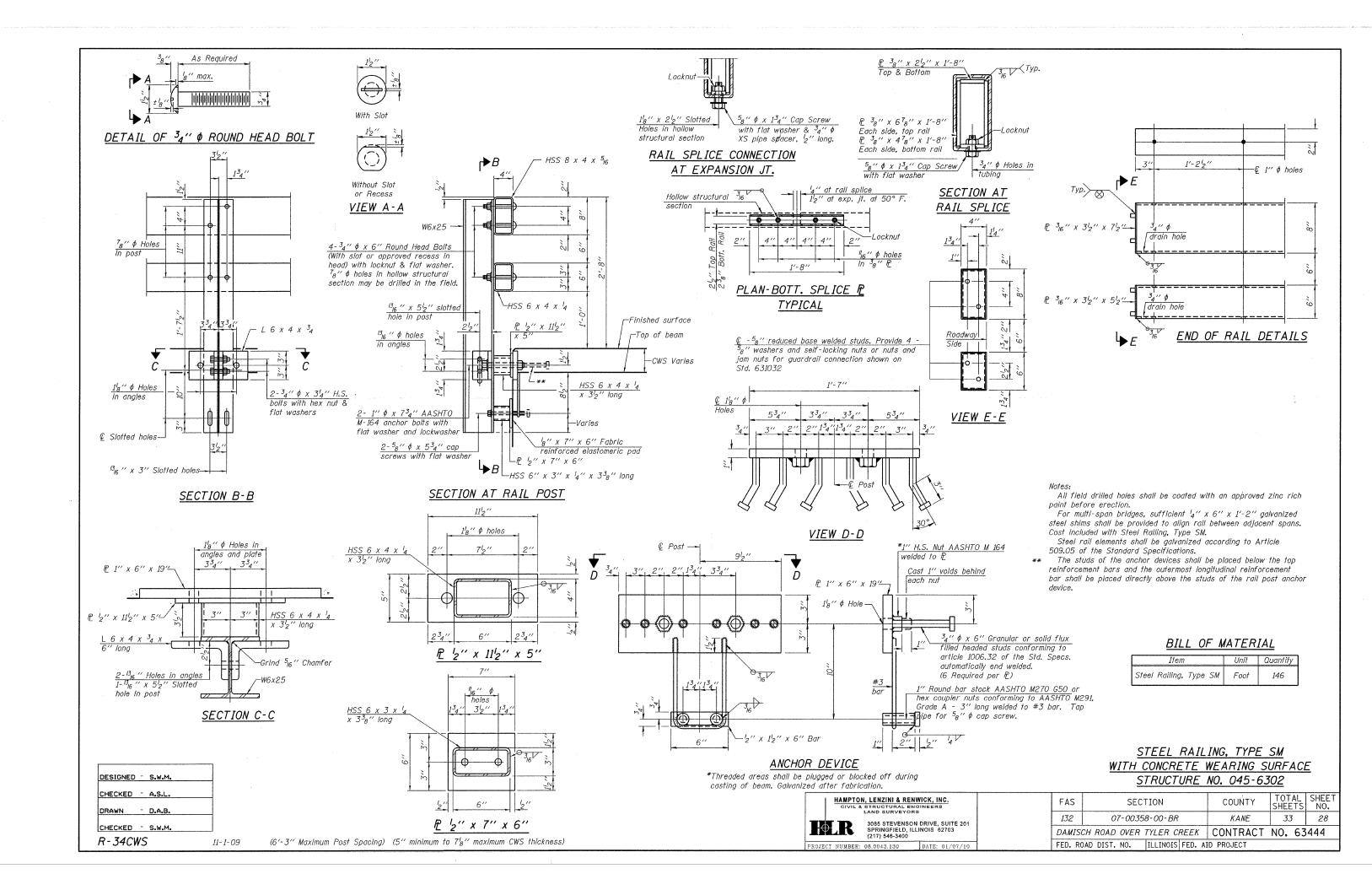
Bar	No.	Size	Length	Shape
a1(E)	50	#4	34'-3"	
a2(E)	92	#5	34'-3"	
			-	
b1(E)	62	#4	29'-8"	
b <sub>2</sub> (E)	146	#9	29'-9''	
b3(E)	4	#4	14'-8''	
†(E)	124	#4	7′-9′′	
w(E)	60	#5	34'-3"	
Concrete	Superstru	ucture	Cu. Yd.	86.1
Concrete	Structure	s	Cu. Yd.	<i>15.0</i>
Reinforcement Bars,			Pound	23,250
Epoxy Coated			, r vana	23,250
Bridge Deck Grooving			Sq. Yd.	187
Protective	e Coat		Sq. Yd.	200

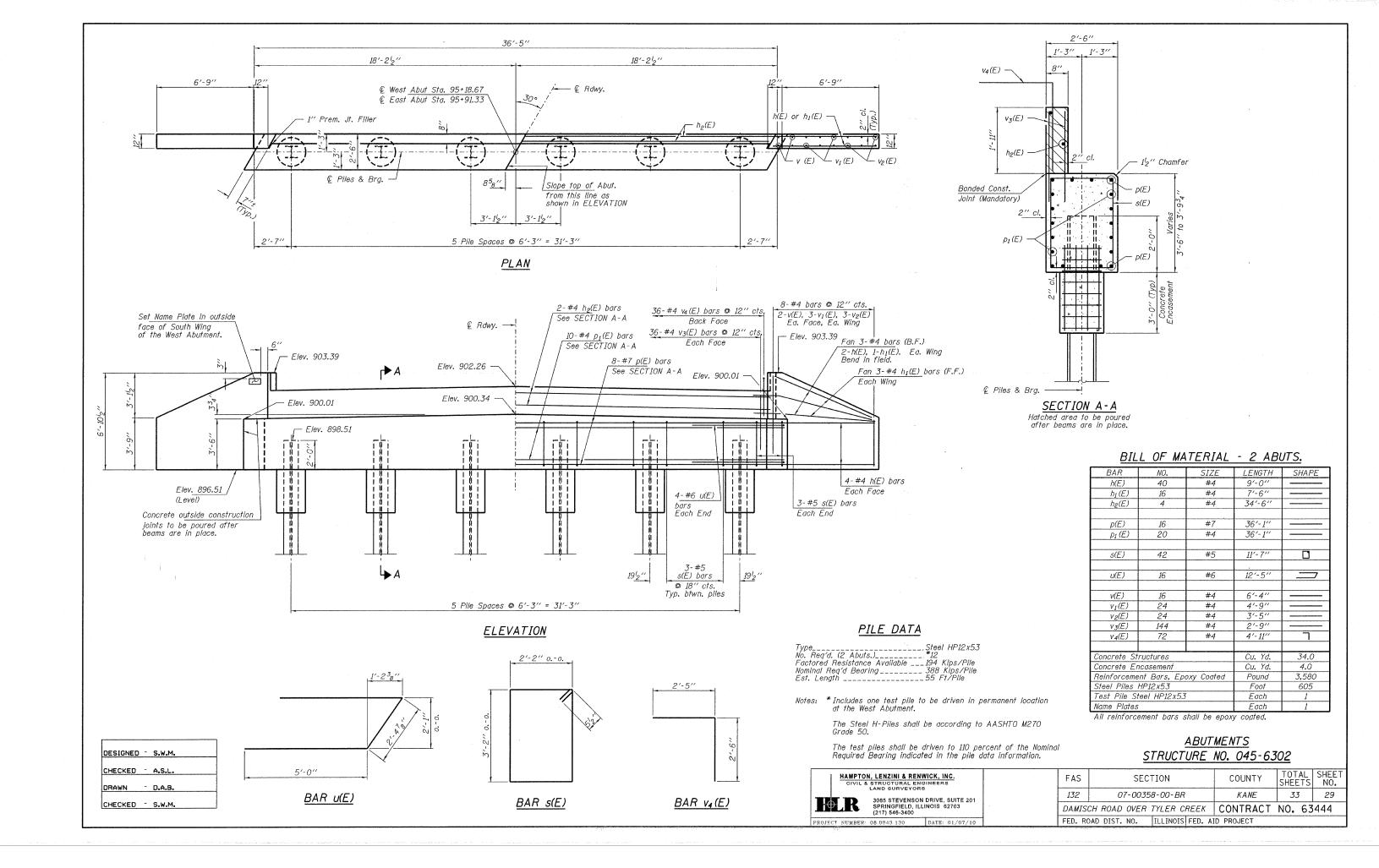
(Sheet 2 of 2)

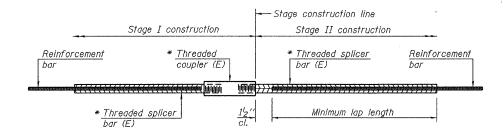
### BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 045-6302

CIVIL & STRUCTURA LAND SURVE	
LAND SURVE	VORE
	IONS
	NSON DRIVE, SUITE 2 D, ILLINOIS 62703 00

 FAS	SECT	ION	COUNTY	TOTAL SHEETS	SHEET NO.
132	07-00358	-00-BR	KANE	33	27
DAMIS	CH ROAD OVER T	YLER CREEK	CONTRACT	NO. 63	444
 FED. RO	DAD DIST. NO. I	LLINOIS FED.	AID PROJECT		







### STANDARD BAR SPLICER ASSEMBLY

	Minim	um Lap Leng	ths	
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5''	1'-11''	2'-1"	2'-4"
5	1'-9''	2'-5"	2'-7"	2'-11''
6	2'-1''	2'-11''	3'-1''	3'-6''
7	2'-9"	3′-10′′	4'-2"	4'-8''
8	3'-8''	5′-1′′	5′-5′′	6'-2"
9	4'-7"	6′-5′′	6'-10''	7'-9''

Table 1: Black bar, 0.8 Class C Table 2: Black bar, Top bar lap, 0.8 Class C

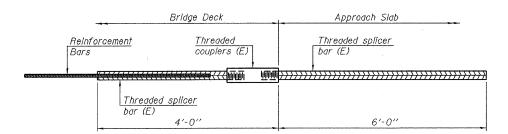
Table 3: Epoxy bar, 0.8 Class C

Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length +  $1_2'''$  + thread length

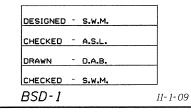
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

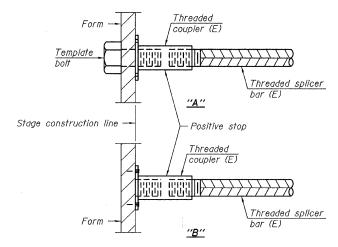
Location	Bar size	No. assemblies required	Table for minimum lap length



## BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 62

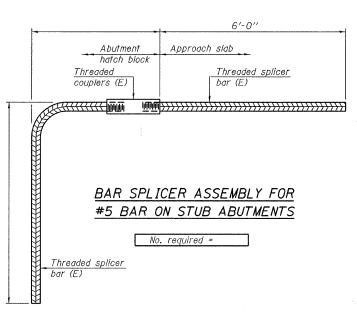


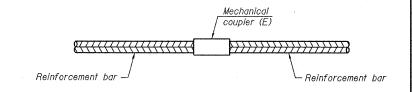


### INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nalling to wood forms or cementing to steel forms.

(E): Indicates epoxy coating.





### STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

### NOTES

Splicer bars shall be deformed  $\overline{\text{with thre}}$  and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

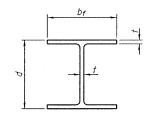
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

### BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 045-6302

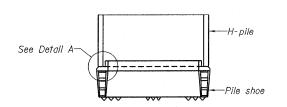
1 1	HAMPTO	N, LENZINI & R	ENWICK, INC.
	CIVIL &	STRUCTURAL	ENGINEERS
1 1		LAND SURVEY	ors
Тф	R		ON DRIVE, SUITE 201 ILLINOIS 62703
		08.0043.130	DATE: 01/07/10

FAS	SEC	TION		COUNTY	TOT SHEE	AL TS	SHEE NO.
132	07-0035	8-00-BR		KANE	33		30
DAMIS	CH ROAD OVER	TYLER CRE	EΚ	CONTRACT	NO.	63	444
FED. RO	DAD DIST. NO.	ILLINOIS FE	ED. AI	D PROJECT			

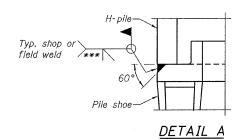


### STEEL PILE TABLE

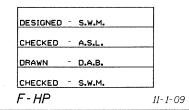
Designation	Depth d	Flange width b <sub>f</sub>	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 4 "	14 <sup>7</sup> 8′′	13 <sub>16</sub> ′′	30′′
x102	14′′	1434''	16''	30′′
x89	13 <sup>7</sup> 8 "	14 <sup>3</sup> 4 ′′	58′′	30''
x73	13 <sup>5</sup> 8′′	14 <sup>5</sup> 8′′	2"	30′′
HP 12x84	124"	124''	1/16''	24''
x74	1218''	1214''	5 <sub>8</sub> ′′	24''
x63	12''	1218''	2"	24''
x53	11 <sup>3</sup> 4''	12''	7 <sub>16</sub> ′′	24''
HP 10x57	10''	10'4''	916 ''	24"
x42	934''	10%''	<sup>7</sup> 16 ''	24''
HP 8x36	8′′	818''	7 <sub>16</sub> ′′	18''

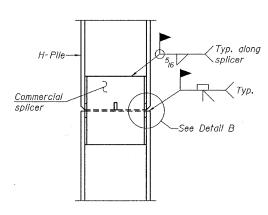


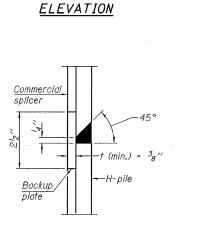
### ELEVATION



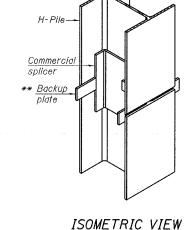
### H-PILE SHOE ATTACHMENT



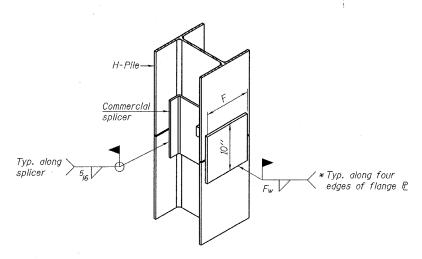




DETAIL "B"



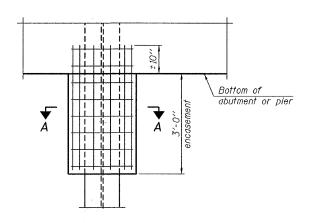
### WELDED COMMERCIAL SPLICE

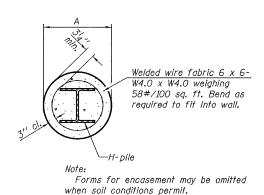


ISOMETRIC VIEW

### WELDED COMMERCIAL SPLICE ALTERNATE

- \* Interrupt welds 4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer ( ${}^{5}_{16}$   ${}^{\prime\prime}$  min.).

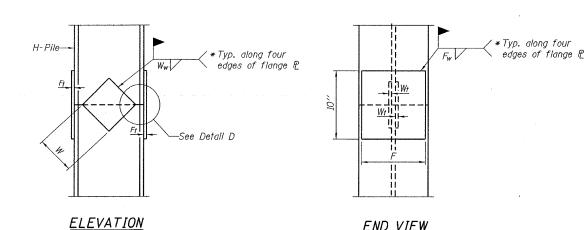


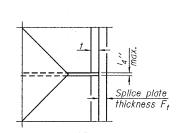


ELEVATION

### SECTION A-A

### PILE ENCASEMENT





DETAIL D

Designation	F	F <sub>t</sub>	F <sub>w</sub>	w	W <sub>t</sub>	Ww
HP 14x117	12'2''	1''	78"	734''	58′′	2"
x102	1212"	78''	34"	734"	5 <sub>8</sub> ′′	2"
x89	1212''	34''	"16"	734"	58′′	2"
x73	1212''	58′′	916 ''	734"	5 <sub>8</sub> ′′	12"
HP 12x84	10''	78′′	116''	612"	. <sup>5</sup> 8′′	2"
x74	10′′	78"	"16"	612"	5 <sub>8</sub> ′′	2"
x63	10''	58′′	2"	612"	2"	38''
x53	10''	58′′	. '2"	612"	2"	38''
HP 10x57	8''	34''	916 ′′	54"	2"	38''
x42	8''	5 <sub>8</sub> ′′	916 ''	54"	2"	38''
HP 8x36	7''	5 <sub>8</sub> ′′	7 <sub>16</sub> ′′	414"	2"	38''

**END VIEW** 

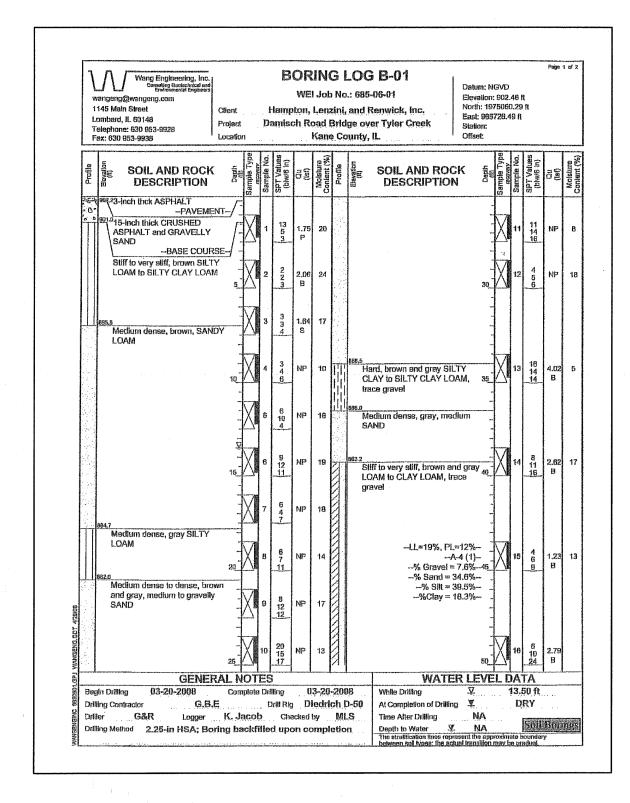
### WELDED PLATE FIELD SPLICE

The steel H-piles shall be according to AASHTO M270 Grade 50.

HP PILE DETAILS STRUCTURE NO. 045-6302



FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
132	07-00358-00-BR	KANE	33	31
DAMIS	CH ROAD OVER TYLER CREEK	CONTRACT	NO. 63	444
FED RO	DAD DIST NO THINNIS FED AT	ID PROJECT		·····



Page 2 of 2 **BORING LOG B-01** Datum: NGVD WEI Job No.: 685-06-01 Elevation: 902.46 ft 1145 Main Street Hampton, Lenzini, and Renwick, Inc. East: 965726.49 ft Lombard, IL 60148 Damisch Road Bridge over Tyler Creek Station Telephone: 630 953-9928 Fex: 630 953-9938 Offset: Kane County, IL Location SOIL AND ROCK SOIL AND ROCK DESCRIPTION DESCRIPTION Boring terminated at 75.00 ft **GENERAL NOTES** WATER LEVEL DATA 03-20-2008 Begin Drilling Complete Drilling 03-20-2008 13.50 ft While Drilling G.B.E Drilling Contractor Drill Rig Diedrich D-50 At Completion of Drilling DRY Time After Drilling Driller G&R Logger K. Jacob Checked by IMLS NA Depth to Water Y NA
The stratification lines represent the approximate boundedween soil types; the adjust transition may be gradue Drilling Method 2.25-in HSA; Boring backfilled upon completion

DESIGNED - S.W.M.

CHECKED - A.S.L.

DRAWN - D.A.B.

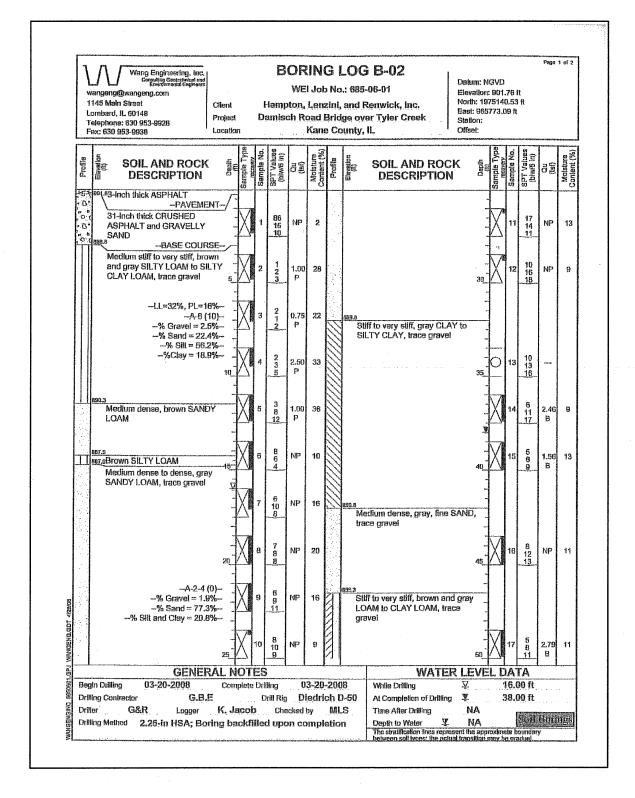
CHECKED - S.W.M.

BORING 1

<u>BORINGS</u> STRUCTURE NO. 045-6302

		N, LENZINI & RENV	INEERS
		3085 STEVENSON	
Įψ	1K	SPRINGFIELD, ILLI (217) 546-3400	
PROJECT	NUMBER:	08.0043.130	DATE: 01/07/10

FAS SECTION			COUNTY	TOT.	AL TS	SHEET NO.	
132 07-00358-00-BR			KANE	33		32	
DAMIS	CH ROAD OVER	CONTRACT	NO.	63	444		
FED. RO	DAD DIST. NO.	ILLINOIS	FED. A	D PROJECT			



DESIGNED - S.W.M.

CHECKED - A.S.L.

DRAWN - D.A.B.

CHECKED - S.W.M.

**BORING LOG B-02** Datum: NGVD WEI Job No.: 685-06-01 Elevation: 901.76 ft North: 1975140.53 ft 1145 Main Street Hampton, Lenzini, and Renwick, Inc. East: 965773.09 ft Lombard, IL 60148 Damisch Road Bridge over Tyler Creek Project Station: Telephone: 630 953-9928 Kane County, IL Location Fax: 630 953-9938 **SOIL AND ROCK** SOIL AND ROCK DESCRIPTION DESCRIPTION Boring terminated at 75,00 ft 1,64 B Dense, brown SILT to SILTY LOAM GENERAL NOTES WATER LEVEL DATA 03-20-2008 16.00 ft Begin Drilling Complete Drilling White Drilling G.B.E Diedrich D-50 38,00 ft Drilling Contractor Drill Rig At Completion of Drilling 💆 G&R Logger K, Jacob Checked by MLS Time After Drilling Depth to Water Y NA
The stratification lines represent the approximate behaveen soil twees: the actual transition may be or Drilling Method 2.25-in HSA; Boring backfilled upon completion

BORING 2

### <u>BORINGS</u> STRUCTURE NO. 045-6302

<b></b>	
HAMPTON, LENZINI & R	ENWICK, INC.
CIVIL & STRUCTURAL LAND SURVEY	
	SON DRIVE, SUITE 201 ILLINOIS 62703
PROJECT NUMBER: 08.0043.130	DATE: 01/07/10

FAS SECTION COUNTY TOTAL SHEETS NO.

132 07-00358-00-BR KANE 33 33

DAMISCH ROAD OVER TYLER CREEK CONTRACT NO. 63444

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