

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 78148		

**INDEX OF SHEETS 1-18-13 LETTING ITEM 057**

- | SHEET NO. | DESCRIPTION                         |
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| 1.        | COVER SHEET                         |
| 2.        | GENERAL NOTES AND HIGHWAY STANDARDS |
| 3.-7.     | SUMMARY OF QUANTITIES               |
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| 11.       | ALIGNMENT TIES & BENCHMARKS         |
| 12.-13.   | PLAN AND PROFILE                    |
| 14.       | STAGE I CONSTRUCTION                |
| 15.       | STAGE II CONSTRUCTION               |
| 16.       | EROSION CONTROL PLAN                |
| 17.       | PAVEMENT MARKING PLAN               |
| 18.       | PAVED SHOULDER LAYOUT               |
| 19.       | GUARDRAIL LAYOUT                    |
| 20.       | WIDE LOAD DETOUR                    |
| 21.       | STANDARD DETAILS DISTRICT 9         |
| 22.-28.   | STRUCTURE PLANS                     |
| 29.-30.   | SOIL BORINGS                        |
| 31.-36.   | CROSS SECTIONS                      |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

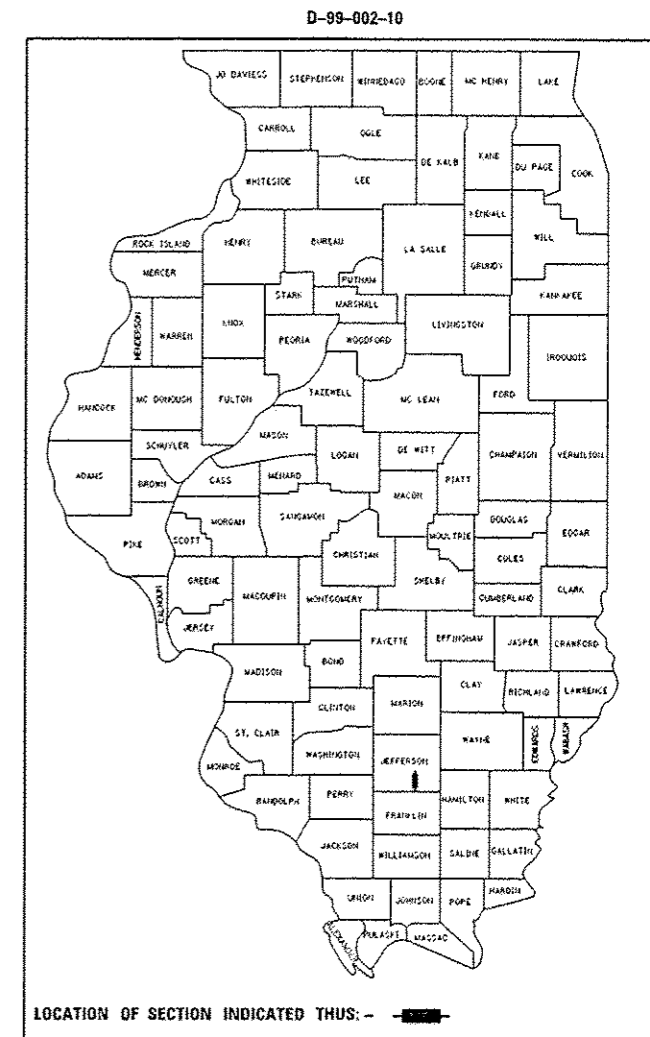
**PROPOSED  
HIGHWAY PLANS**

**F.A.S. ROUTE 2869 (IL ROUTE 37)  
SECTION 2B-1  
PROJECT ACRS-2869(106)  
JEFFERSON COUNTY  
C-99-002-10**

**STRUCTURE REPLACEMENT  
OVER UNNAMED STREAM**

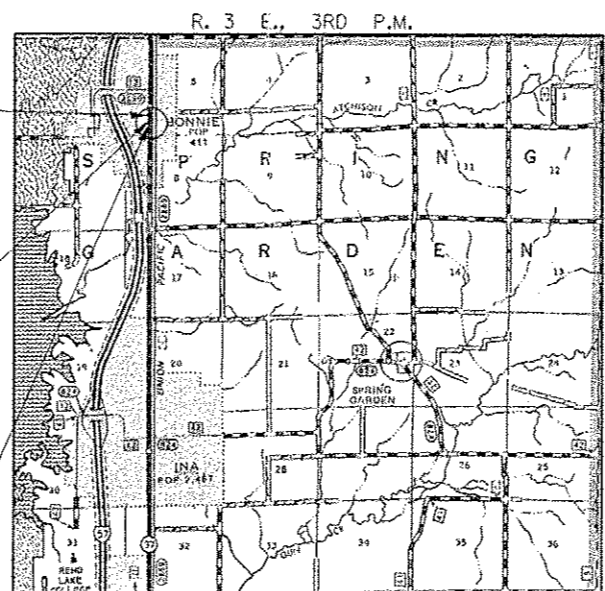
**UTILITIES**

<p>COMMUNICATION AT&amp;T 210 NORTH LOCUST CENTRALIA, IL 62801 ATTN: TODD ISAAC</p> <p>WATER &amp; SEWER VILLAGE OF BONNIE WATER &amp; SEWER 270 SOUTH RAILROAD STREET BONNIE, IL 62816 ATTN: JAMES PARKHILL</p> <p>FIBER OPTIC COMMUNICATION CLEARWAVE COMMUNICATION 2 NORTH VINE STREET HARRISBURG, IL 62946 ATTN: AARON CARIAN</p> <p>COMMUNICATION FRONTIER COMMUNICATION 801 W JACKSON ALAMONT, IL 62411 ATTN: ROD ELLER</p>	<p>GAS &amp; ELECTRIC AMEREN I.P. P.O. BOX 868 MT. VERNON, IL 62864 ATTN: MIKE TATLOCK</p> <p>FIBER OPTIC TRANSMISSION WINDSTREAM KDL RR2 BOX 93A DAHLGREN, IL 62828 ATTN: RICK CUNICO</p> <p>WATER RENO LAKE INTERCITY WATER 11231 MARCUM BRANCK RD. BENTON, IL 62812 ATTN: KEITH THOMASON</p>
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**TRAFFIC DATA**

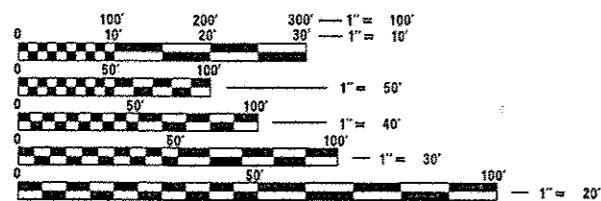
FUNCTIONAL CLASSIFICATION:	MAJOR COLLECTOR (NON URBAN)
DESIGN SPEED:	55 MPH
POSTED SPEED:	55 MPH
ADT:	3740 (2008)
PV:	94.46%
TRUCKS:	5.54%



IMPROVEMENT BEGINS  
STATION 383+90.00

STA. 385+67  
DOUBLE 10'X5' REINFORCED  
CONCRETE BOX CULVERT  
LENGTH = 39'-0"; SKEW = 30°  
EXISTING STRUCTURE NO. 041-0092  
PROPOSED STRUCTURE NO. 041-2019

IMPROVEMENT ENDS  
STATION 387+70.00



**SPRING GARDEN TOWNSHIP**

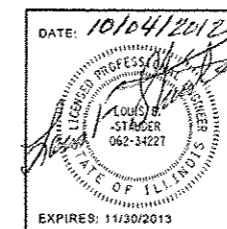
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**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

**LOCATION MAP**

APPROXIMATE SCALE: 1" = 1 MILE  
NET LENGTH OF PROJECT = 380 FEET = 0.072 MILES  
GROSS LENGTH OF PROJECT = 380 FEET = 0.072 MILES  
ROADWAY LENGTH = 380 FEET = 0.072 MILES



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED July 16 2012  
Orhan Osman  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 7 2012  
John D. Baranzelli, PE, Inc.  
acting ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2012  
William R. Frey, Inc.  
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

PROJECT ENGINEER: DAVID PICHE (618) 351-5227

**CONTRACT NO. 78148**

164-000959  
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

**GENERAL NOTES**

- 1 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL EXISTING FIELD DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 2 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 MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 3 ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED ON THE INDEX OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS.
- 4 PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NORMAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. THE CONTRACTOR, HOWEVER, WILL BE PAID FOR THE ACTUAL QUANTITY FURNISHED AT THE UNIT PRICE FOR THE WORK. CONSTRUCTION PLANS ARE AVAILABLE FOR REVIEW AT THE DISTRICT 9 OFFICE.
- 5 THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.
- 6 ALL OBSTRUCTIONS WHICH ARE WITHIN THE CLEAR ZONE SHOWN ON THE TYPICAL SECTION AND ARE NOT SHIELDED BY THE PROPOSED GUARDRAIL SHALL BE REMOVED BETWEEN STATION 383+90 AND STATION 388+50. TYPICAL OBSTRUCTIONS ARE HEADWALLS, FOUNDATIONS, ETC. WHICH PROJECT 100 mm (4 IN.) OR MORE ABOVE THE GROUND LINE AND TREES WHICH WILL MATURE TO A DIAMETER OF 100 mm (4 IN.) OR GREATER.
- 7 IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.
- 8 FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:  
  
ALL HOT MIX ASPHALT - 2.016 TONS/CU.YD. (112 LBS/SQ.YD./INCH OF THICKNESS)  
ALL AGGREGATE 2.05 TONS/CU.YD.  
BITUMINOUS MATERIALS:  
ON PAVEMENT - 0.10 GAL./SQ.YD.  
INTERMEDIATE LIFTS (FOG COAT) - 0.04 GAL./SQ.YD.  
ON AGGREGATE SURFACE - 0.32 GAL./SQ.YD.  
AGGREGATE (PRIME COAT) - 0.002 TONS/SQ.YD.
- 9 TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.
- 10 TRIM EDGES OF EXISTING HOT MIX ASPHALT SURFACE FLUSH WITH EXISTING PAVEMENT PRIOR TO CONSTRUCTING NEW BASE COURSE WIDENING.
- 11 EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
- 12 THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION FOR THE SURFACE.
- 13 WHEN WIDENING FLEXIBLE BASE PAVEMENT, THE CONTRACTOR SHALL TRIM EXISTING SURFACE AND BASE TO A FIRM, NEAR VERTICAL PLANE BEFORE CONSTRUCTING THE WIDENING. THE COST OF THIS REQUIREMENT IS INCLUDED IN THE UNIT PRICE BID FOR THE BASE COURSE WIDENING.
- 14 AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

- 15 THE MINIMUM VERTICAL CLEARANCE FOR PERMANENT SIGNS PLACED ON BACKSLOPES SHALL BE 0.914 m (3 FT.) MEASURED FROM A POINT DIRECTLY BENEATH THE FAR EDGE OF THE SIGN.
- 16 THE LIMITS OF ROCK AND EARTH SLOPES SHOWN IN THE CROSS SECTIONS ARE APPROXIMATE. THE ACTUAL SLOPE USED SHALL BE DETERMINED BY THE MATERIAL CLASSIFICATION AS DEFINED IN ARTICLE 202.04, AND AS DIRECTED BY THE ENGINEER.
- 17 PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.
- 18 THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHOULD APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.
- 19 THE CENTERLINE PAVEMENT MARKING SHOULD BE REMOVED FROM THE STOP BAR TO THE SAND AT TENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKING SHOULD BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHOULD BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- 20 ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC. THE TEMPORARY TRAFFIC SIGNALS SHALL BE SET TO FLASH ALL RED.
- 21 THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND THE SHOULDER SLOPES SHALL NOT EXCEED 8%.
- 22 ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE LEFT IN PLACE UNTIL REMOVAL IS REQUIRED TO CONSTRUCT FINAL GRADE LINES.
- 23 ALL CULVERT EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY CULVERT, THE ENTIRE LENGTH OF THE EXISTING CULVERT SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE PAID ACCORDING TO ARTICLE 109.04.
- 24 RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.
- 25 THE HOLES RESULTING FROM THE REMOVAL OF EXISTING GUARDRAIL OR TRAFFIC BARRIER TERMINAL POSTS SHALL BE FILLED WITH COMPACTED CA7 AGGREGATE. THIS WORK SHALL BE CONSIDERED TO BE INCLUDED IN UNIT COST OF GUARDRAIL REMOVAL.
- 26 COMMITMENTS: NONE AS OF AUGUST 17, 2012

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- 420601-05 24' (7.2 m) PCC PAVEMENT
- 420701-02 PAVEMENT FABRIC
- 482001-02 HMA SHOULDERS ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDERS ADJACENT TO RIGID PAVEMENT
- 482011-03 BIT. SHOULDER STRIPS/SOULDER WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 515001-03 NAME PLATE FOR BRIDGES
- 630001-10 STEEL PLATE BEAM GUARDRAIL
- 630201-06 PCC/MMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-06 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
- 631032-08 TRAFFIC BARRIER TERMINAL, TYPE 6A
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5M (15') AWAY
- 701006-04 OFF-ROAD OPERATIONS 2L, 2W, 4.5M (15') TO 600 MM (24") FROM PAVEMENT EDGE
- 701011-03 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701321-13 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
- 701901-03 TRAFFIC CONTROL DEVICES
- 704001-07 TEMPORARY CONCRETE BARRIER
- 780001-03 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PREPARED BY: *Joe Zylanski*  
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: *James Lee Eng*  
DISTRICT LAND ACQUISITION ENGINEER

EXAMINED BY: *Carrie Nelson*  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

EXAMINED BY: *Neil Kelly*  
DISTRICT OPERATIONS ENGINEER

EXAMINED BY: *K. K. [Signature]*  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

EXAMINED BY: *Douglas J. [Signature]*  
DISTRICT CONSTRUCTION ENGINEER

EXAMINED BY: *Bruce W. [Signature]*  
DISTRICT MATERIALS ENGINEER

APPROVED BY: *Omer Osmanca*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

DATE *July 16* 20*12*

FILE NAME : 0410202-dst-mst-04.dgn	USER NAME : #USER#	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND HIGHWAY STANDARDS IL 37</b>			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>HAMPTON, LENZINI AND RENWICK, INC.</b> 2035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62702	PLT SCALE : 1/8"=1'-0"	DRAWN - P.J.L.	REVISED -					2869	2B-1	JEFFERSON	36	2
<b>HLR</b> ILLINOIS PROFESSIONAL DESIGN FIRM 151 W. PEASE COM. 184 900000	PLT DATE : 10/19/2012	CHECKED - J.W.F.	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 7B148		ILLINOIS FED. AID PROJECT		
		DATE - 10/04/12	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP FUNDING	80% FED 20% STATE SN 041-2019
				0040	RURAL
20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25	
20200100	EARTH EXCAVATION	CU YD	120	120	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	134	134	
20300100	CHANNEL EXCAVATION	CU YD	120	120	
20400800	FURNISHED EXCAVATION	CU YD	50	50	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	102	102	
* 25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25	
* 25000350	SEEDING, CLASS 7	ACRE	0.25	0.25	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	16	16	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	11	11	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	11	11	
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.2	0.2	
* 25100115	MULCH, METHOD 2	ACRE	0.25	0.25	
* 25100630	EROSION CONTROL BLANKET	SQ YD	402	402	

\* SPECIALTY ITEM

FILE NAME : c:\pwworkspace\10118\10118\10118.dgn	DESIGNED - L.F.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES IL. 37		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 1043 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	DRAWN - T.W.K.	REVISED -					2869	2B-1	JEFERSON	36	3
ELR ILLINOIS PROFESSIONAL DESIGN FIRM 181 PELEE CORP. 181.000554	PLOT SCALE = 2.0000' / 1" =	CHECKED - J.W.F.	REVISED -	SCALE:	SHEET NO. 1 OF 5 SHEETS	STA. TO STA.	CONTRACT NO. 78148		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/12/2012	DATE = 10/04/12	REVISED -								

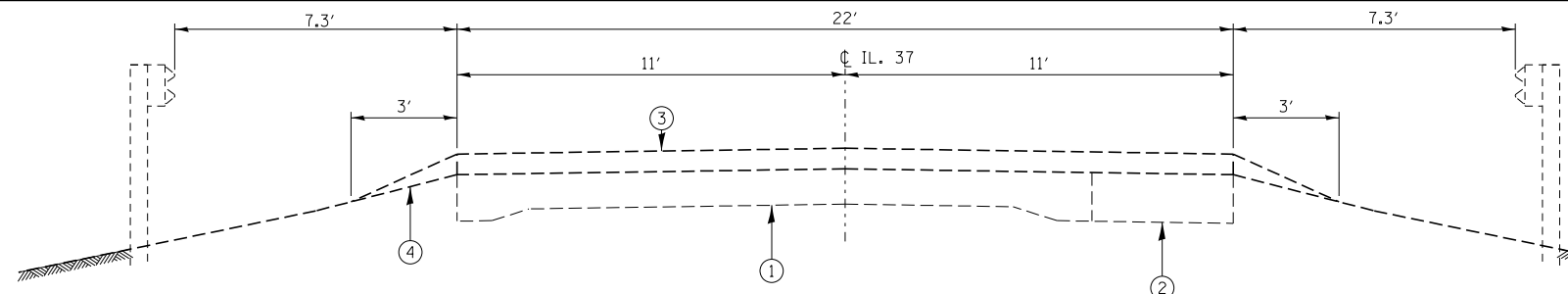
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP FUNDING	80% FED 20% STATE SN 041-2019 0040 RURAL
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	47	47	
28000400	PERIMETER EROSION BARRIER	FOOT	665	665	
28100107	STONE RIPRAP, CLASS A4	SO YD	8	8	
28100109	STONE RIPRAP, CLASS A5	SO YD	78	78	
28200200	FILTER FABRIC	SO YD	86	86	
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SO YD	114	114	
35501327	HOT-MIX ASPHALT BASE COURSE, 10 3/4"	SO YD	529	529	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SO YD	217	217	
42100615	PAVEMENT REINFORCEMENT	SO YD	217	217	
44000100	PAVEMENT REMOVAL	SO YD	165	165	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	200	200	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50300300	PROTECTIVE COAT	SO YD	13	13	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	26360	26360	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP FUNDING	80% FED 20% STATE SN 041-2019 0040 RURAL
50800515	BAR SPLICERS	EACH	97	97	
50900200	STEEL RAILING, TYPE 2399	FOOT	53	53	
51500100	NAME PLATES	EACH	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	88.1	88.1	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1	1	
54010302	PRECAST CONCRETE BOX CULVERTS 3' X 2'	FOOT	40.0	40.0	
63200310	GUARDRAIL REMOVAL	FOOT	125	125	
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	100.0	100.0	
63302710	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6A	EACH	4	4	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				STP FUNDING	80% FED 20% STATE SN 041-2019 0040 RURAL
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6	6	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1362	1362	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	20	20	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	489	489	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	300.0	300.0	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	288	288	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1362	1362	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	20	20	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9	9	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	9	9	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
78300100	PAVEMENT MARKING REMOVAL	SO FT	342	342	

\* SPECIALTY ITEM

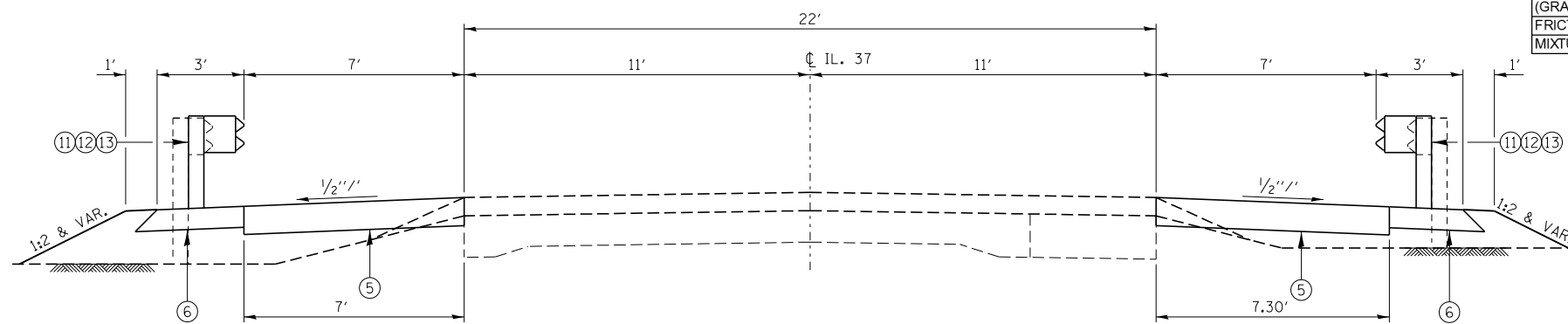




**EXISTING TYPICAL SECTION**

STA. 383+90 TO STA. 387+70

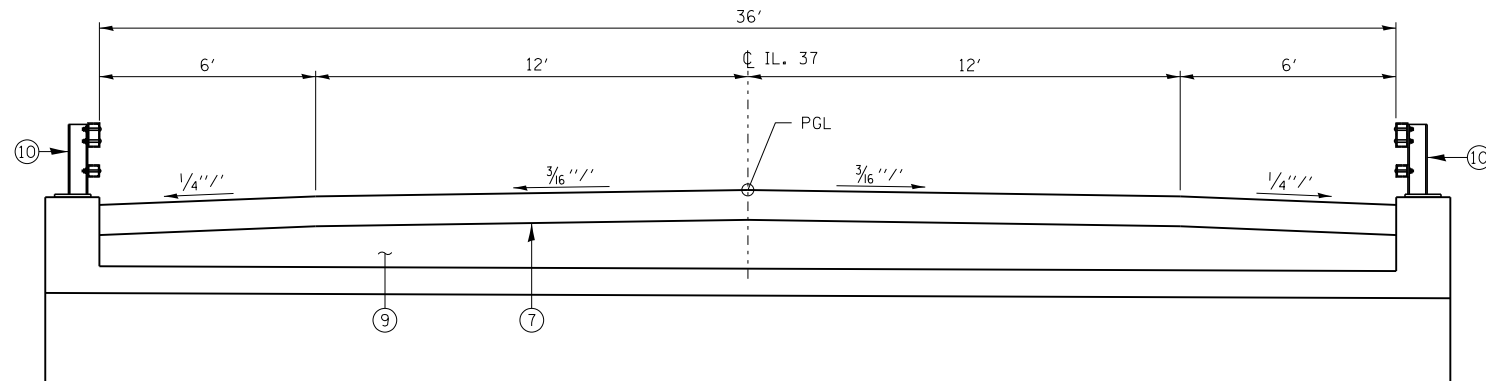
MIXTURE REQUIREMENTS	
LOCATION(S):	IL RTE 37 WIDENING
MIXTURE USE(S):	HOT-MIX ASPHALT BASE COURSE
AC/PG:	PG 64-22
RAP % (MAX):	10%
DESIGN AIR VOIDS:	4% @ Ndes 90
MIXTURE COMPOSITION:	IL 19.0
(GRADATION MIXTURE):	
FRICITION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS



**PROPOSED TYPICAL SECTION**

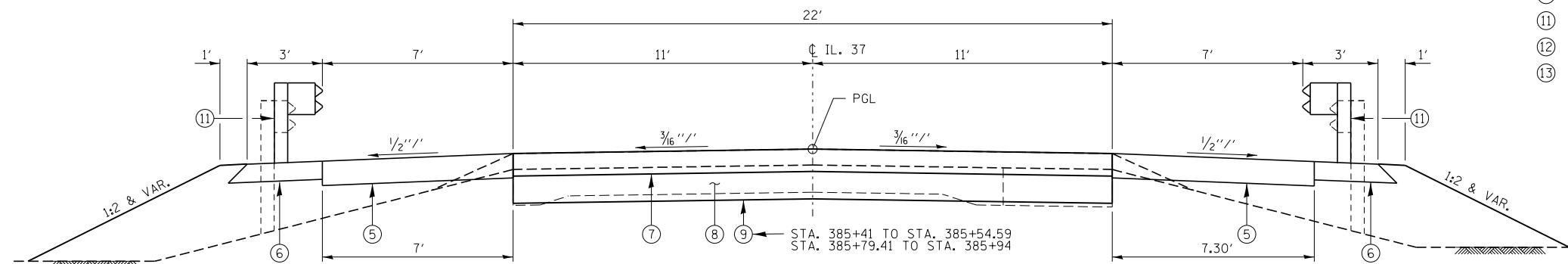
STA. 383+91.49 TO STA. 385+31  
STA. 386+02 TO STA. 387+70

MIXTURE REQUIREMENTS	
LOCATION(S):	IL RTE 37 HMA SHOULDERS
MIXTURE USE(S):	HOT-MIX ASPHALT SHOULDERS, 8"
AC/PG:	PG 58-22
RAP % (MAX):	50%
DESIGN AIR VOIDS:	2% @ Ndes 30
MIXTURE COMPOSITION:	HMA SHOULDERS
(GRADATION MIXTURE):	
FRICITION AGGREGATE:	NONE
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS



**PROPOSED TYPICAL SECTION**

STA. 385+54.59 TO STA. 385+79.41



**PROPOSED TYPICAL SECTION**

STA. 385+31 TO STA. 385+54.59  
STA. 385+79.41 TO STA. 386+02

**LEGEND**

- ① EXIST CONCRETE PAVEMENT
- ② EXISTING BASE COURSE WIDENING
- ③ EXISTING HMA SURFACE
- ④ EXISTING AGGREGATE SHOULDERS
- ⑤ HMA BASE COURSE 10 3/4"
- ⑥ HMA SHOULDERS 8"
- ⑦ PCC PAVEMENT 10"
- ⑧ SUBBASE GRANULAR MATERIAL, TYPE A 12" (CA 10 1'-0" MIN \*)
- ⑨ POROUS GRANULAR EMBANKMENT (CA 7 OR CA 11 UNDER CA 10)
- ⑩ STEEL RAILING, TYPE 2399
- ⑪ STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS
- ⑫ TRAFFIC BARRIER TERMINAL, TYPE 6A
- ⑬ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

FILE NAME = 0410092-sht-typsections.dgn	USER NAME = *USER*	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS IL. 37</b>			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	DRAWN - T.W.K.	REVISED -	2869					2B-1	JEFFERSON	36	8	
PLOT SCALE = *SCALE*	CHECKED - J.W.F.	REVISED -	CONTRACT NO. 78148									
PLOT DATE = 10/4/2012	DATE - 10/04/12	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



GUARDRAIL SCHEDULE											
LOCATION	GUARDRAIL REMOVAL		REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL TYPE A		REMOVE AND REERECT TRAFFIC BARRIER TERMINAL TYPE 6A		REMOVE AND REERECT TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)		GUARDRAIL MARKERS TYPE A	TERMINAL MARKER DIRECT APPLIED	
	63200310	63301210	63302710	X6330103	78200410	78201000					
		FOOT	FOOT	EACH	EACH	EACH	EACH				
		REMOVE	INSTALL	REMOVE	INSTALL	REMOVE	INSTALL	INSTALL	INSTALL		
FAS 2869 \ IL 37											
STAGE I											
LT. STA 384+46.99 TO LT. STA 385+43.86											
LT. STA 383+96.49 TO LT. STA 385+46.63											
LT. STA 385+68.66 TO LT. STA 388+40.54											
LT. STA 385+66.86 TO LT. STA 386+91.74											
STAGE 2											
RT. STA 384+18.47 TO RT. STA 385+65.34											
RT. STA 384+42.27 TO RT. STA 385+67.14											
RT. STA 385+90.14 TO RT. STA 386+87.02											
RT. STA 385+87.64 TO RT. STA 386+87.52											
TOTAL		125	100	4	4	9	4				
TOTAL USE		125	100	4	4	9	4				

SEEDING SCHEDULE									
LOCATION	SEEDING CLASS 2A	SEEDING CLASS 7	NITROGEN FERTILIZER NUTRIENT**	PHOSPHORUS FERTILIZER NUTRIENT 90 LBS/ACRE	POTASSIUM FERTILIZER NUTRIENT 90 LBS/ACRE	AGRICULTURAL GROUND LIME STONE 2 TONS/ACRE	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING *	
	25000210	25000350	25000400	25000500	25000600	25000700	25100115	28000250	
		ACRE	ACRE	POUND	POUND	POUND	TONS	ACRE	POUND
FAS 2869 \ IL 37									
STAGE I									
LT. STA 383+95 TO LT. STA 387+70									
RT. STA 383+95 TO RT. STA 387+70									
STAGE II									
LT. STA 383+95 TO LT. STA 387+70									
RT. STA 383+95 TO RT. STA 387+70									
TOTAL USE		0.25	0.25	16.00	11.00	11.00	0.23	0.12	47

\* 100 LBS/ACRE FOR 4 APPLICATIONS

\*\* 90 LBS/ACRE FOR SEEDING CLASS 2A AND 40 LBS/ACRE FOR SEEDING CLASS 7

CULVERT SUMMARY		
LOCATION	PCBC 2'X3'	BOX CUL END SEC C1
	54010302	54001001
	FOOT	EACH
FAS 2869 \ IL 37		
LT. STA 383+90 TO LT. STA 384+36		
	40	1
TOTAL	40	1

ROADWAY SCHEDULE						
LOCATION	SUBBASE GRANULAR MATERIAL TYPE A 12"	HOT-MIX ASPHALT BASE COURSE 10 3/4"	PORTLAND CEMENT CONCRETE PAVEMENT 10"	PAVEMENT REINFORCEMENT	PAVEMENT REMOVAL	HOT-MIX ASPHALT SHOULDERS 8"
	31100910	35501327	42000500	42100615	44000100	48203029
		SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
FAS 2869 \ IL 37						
STAGE I						
LT. STA 383+90 TO LT. STA 387+70						
RT. STA 383+90 TO RT. STA 387+70						
STAGE II						
RT. STA 383+90 TO RT. STA 387+70						
TOTAL	114	529	217	217	165	200

EARTHWORK SUMMARY							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE(25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD			CUBIC YARD	CUBIC YARD	CUBIC YARD
FAS 2869 \ IL 37							
STAGE I							
383+90 TO 388+50							
STAGE II							
383+90 TO 388+50							
BOX CULVERT							
TOTAL							
TOTAL USE							

20400800 FURNISHED EXCAVATION= 50 CU.YD.

PAVEMENT MARKING SCHEDULE																
LOCATION	TEMPORARY			PERMANENT PAVEMENT MARKING			WORK ZONE PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL						
				PAINT												
	24" SINGLE WHITE STOP BAR	4" SINGLE WHITE EDGE LINE	4" SKIPPED DASHED YELLOW CENTERLINE	4" SINGLE WHITE EDGE LINE	4" SKIPPED DASHED YELLOW CENTERLINE	24" SINGLE WHITE EDGE LINE					70300280	70300220	70300220	78001110	78001110	78001180
FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	EACH	EACH							
FAS 2869 \ IL 37																
LT. STA 382+53 TO LT. STA 388+96		608		608			200	151								
CL. STA 382+53 TO CLT. STA 388+96			161		161		53	40	9	9						
RT. STA 382+53 TO RT. STA 388+96		593		593			196	151								
RT. STA 383+80	10					10	20									
LT. STA 383+75	10					10	20									
SUBTOTAL	20	1201	161	1201	161	20	489	342	9	9						
TOTAL	20	1362	1362	20	489	342	9	9								

STAGING SCHEDULE										
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY BRIDGE TRAFFIC SIGNALS					
						70400100	70400200	Z0030250	Z0030350	70106500
						FOOT	FOOT	EACH	EACH	EACH
FAS 2869 \ IL 37										
STAGE I										
LT. STA 384+01.00 TO LT. STA 387+61.00	300		2		1					
STAGE II										
RT. STA 384+13.50 TO RT. STA 387+61.00		2875		2						
TOTAL	300	2875	2	2	1					
TOTAL USE	300	288	2	2	1					

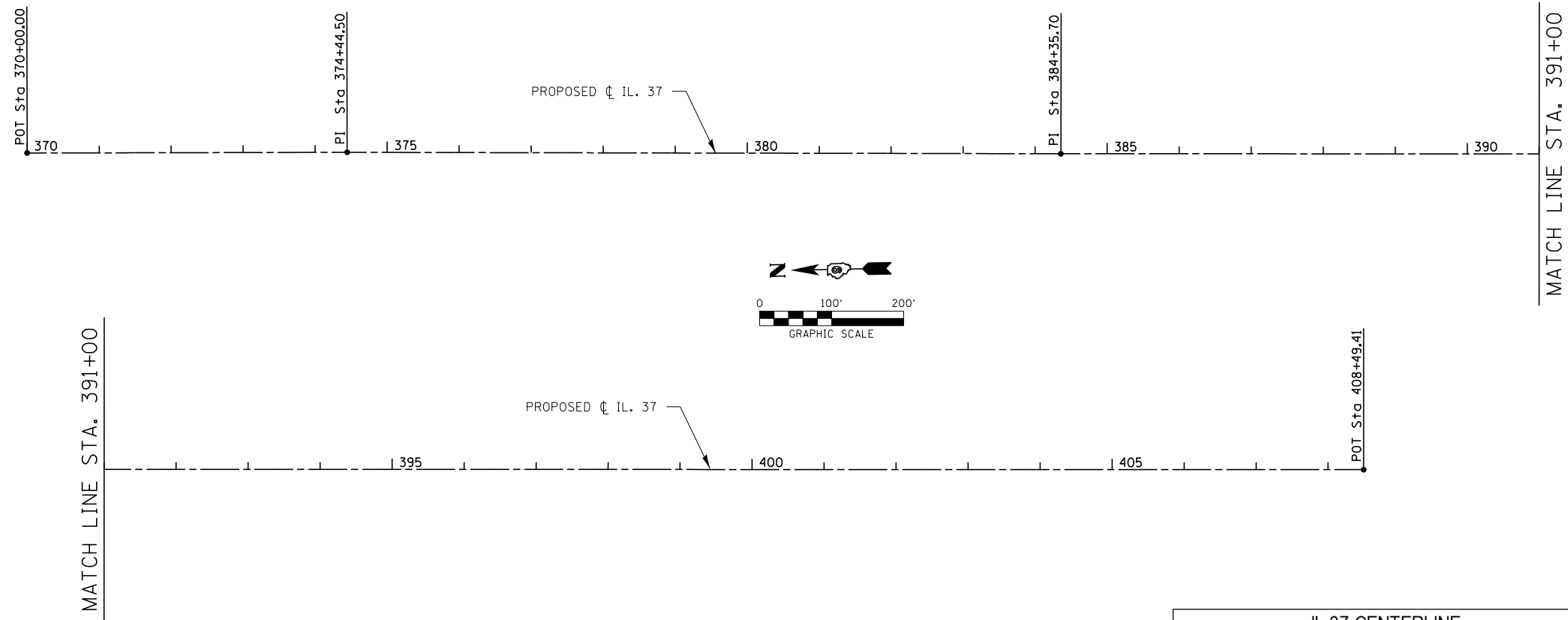
20700220 POROUS GRANULAR EMBANKMENT	
LOCATION	CU YD
FAS 2869 \ IL 37	
STAGE I	
LT. STA 385+44.47 TO LT. STA 385+52.58	18
LT. STA 385+52.58 TO LT. STA 385+54.58	5
LT. STA 385+54.59 TO LT. STA 385+79.41	5
LT. STA 385+79.41 TO LT. STA 385+81.41	5
LT. STA 385+81.41 TO LT. STA 385+88.52	18
STAGE II	
RT. STA 385+44.47 TO RT. STA 385+52.58	18
RT. STA 385+52.58 TO RT. STA 385+54.58	5
RT. STA 385+54.59 TO RT. STA 385+79.41	5
RT. STA 385+79.41 TO RT. STA 385+81.41	5
RT. STA 385+81.41 TO RT. STA 385+88.52	18
TOTAL	102

25100630 EROSION CONTROL BLANKET	
LOCATION	SQ YD
FAS 2869 \ IL 37	
LT. STA 383+95 TO LT. STA 385+45	135
RT. STA 383+95 TO RT. STA 385+65	122
LT. STA 385+70 TO LT. STA 386+90	96
RT. STA 385+90 TO RT. STA 386+90	49
TOTAL	402

20100500 TREE REMOVAL ACRES	
LOCATION	ACRE
FAS 2869 \ IL 37	
STAGE I	
RT. STA 385+64 TO RT. STA 386+10	0.004
TOTAL	0.004
TOTAL USE	0.25

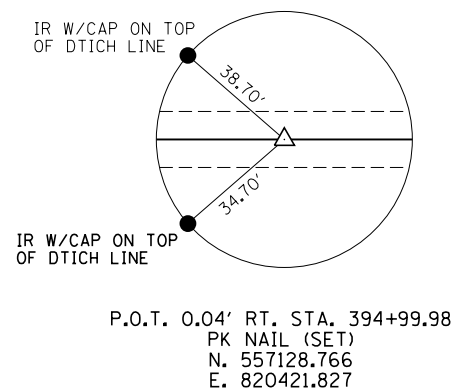
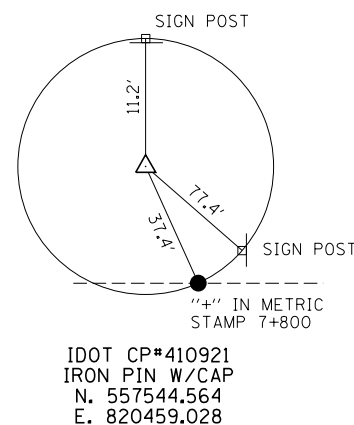
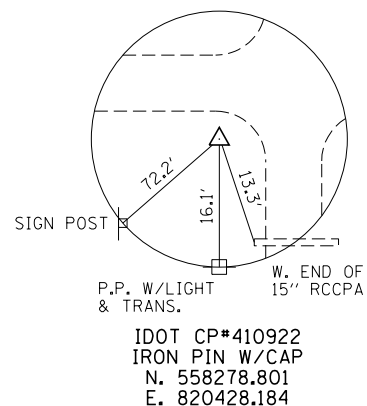
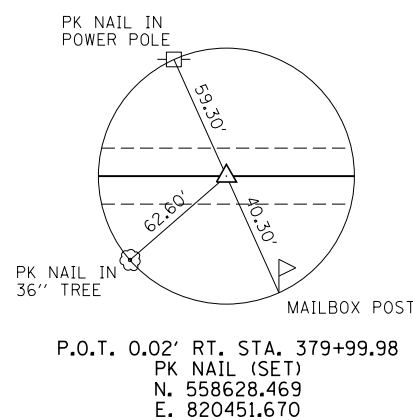
28000400 PERIMETER EROSION BARRIER	
LOCATION	FOOT
FAS 2869 \ IL 37	
STAGE I	
LT. STA 383+95 TO LT. STA 385+30	140
RT. STA 383+95 TO RT. STA 385+60	165
LT. STA 385+75 TO LT. STA 387+70	200
RT. STA 386+05 TO RT. STA 387+70	160
TOTAL	665

EROSION CONTROL SCHEDULE		
LOCATION	STONE RIPRAP CLASS A4	FILTER FABRIC
	28100107	28200200
	SQ YD	SQ YD
FAS 2869 \ IL 37		
LT. STA 384+35	8	8
TOTAL	8	8



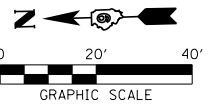
IL 37 CENTERLINE			
DESCRIPTION	STATION	NORTHING	EASTING
POT	370+00.00	559,628.2647	820,470.9728
PI	374+44.50	559,183.8287	820,463.4260
PI	384+35.70	558192.8499	820442.4884
POT	408+49.41	555779.5922	820395.7141

CONTROL POINTS					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	ELEVATION
POT	379+99.984		558628.469	820451.670	418.402
CP#410922/CP#2	383+50.071	RT. 16.121	558278.801	820428.184	418.402
PERM. SUREY MARKER	384+19.647	RT. 40.361	558209.752	820402.476	416.549
CP#3	385+33.462	LT. 16.82	558094.780	820457.415	417.630
CP#4	387+87.001	LT. 17.54	557841.275	820453.220	417.425
CP#7	407+82.664	LT. 17.39	555845.990	820414.395	414.210
CP#8	379+74.445	RT. 22.85	558654.485	820429.385	418.070
CP#10	390+83.548	LT. 29.10	557544.560	820459.030	416.925
CP#11	391+54.732	RT. 256.31	557478.920	820172.291	415.496
CP#12	389+32.128	RT. 365.59	557703.600	820067.348	414.942
CP#13	391+07.705	RT. 505.62	557530.769	819923.946	415.374
POT	394+99.985		557128.766	820421.827	416.461



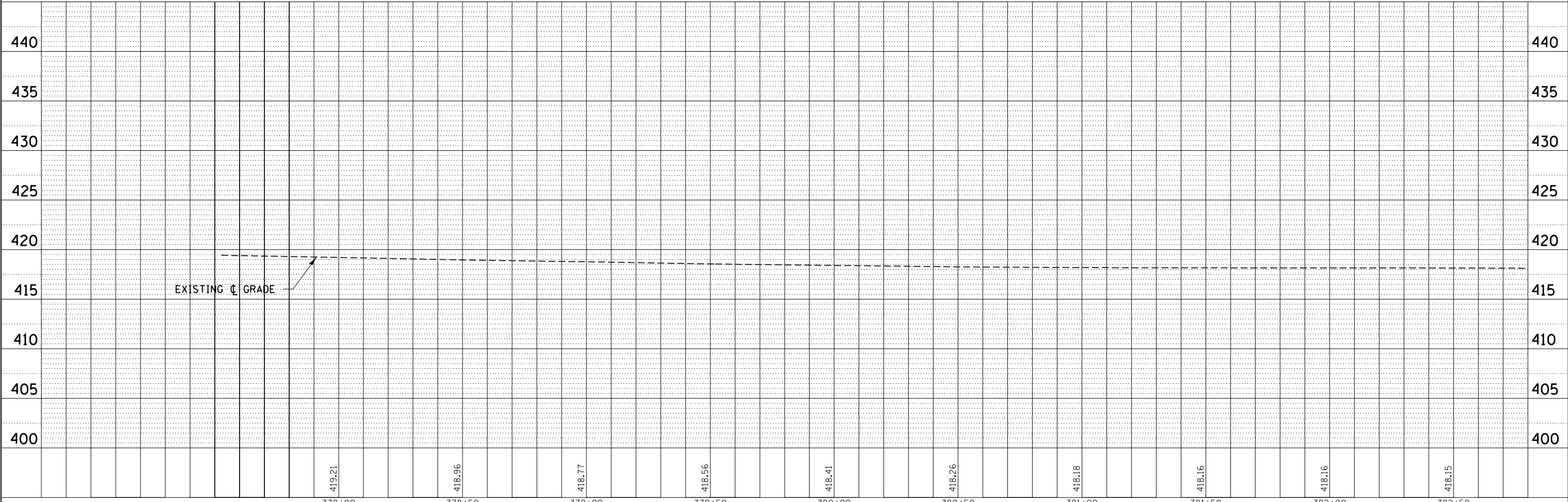
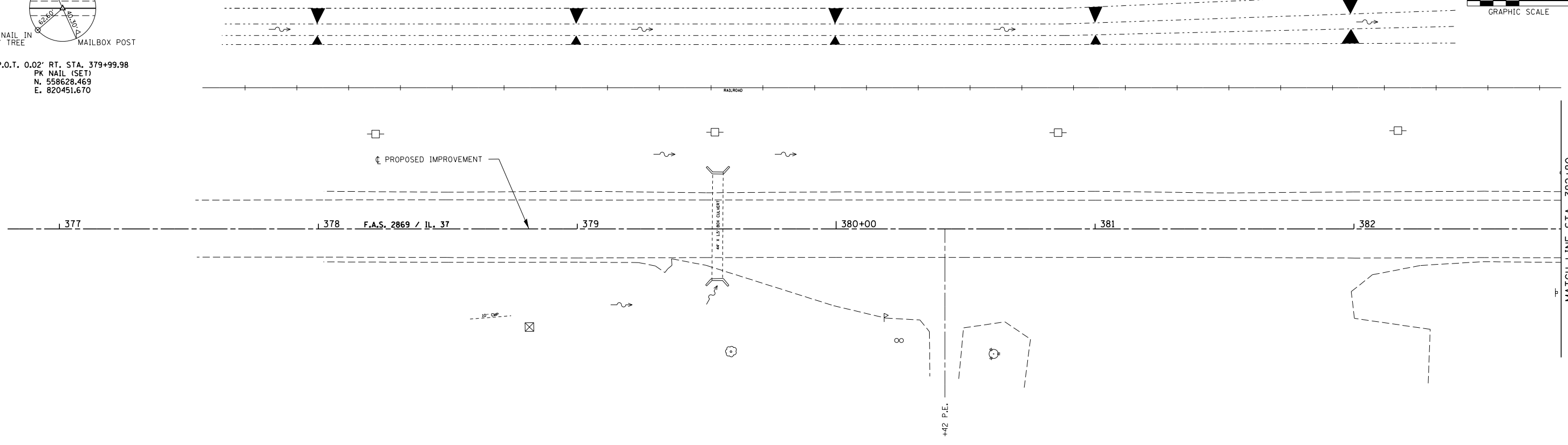
**BENCHMARKS**  
BM#H-216 - TOP OF WINGWALL  
21' LT., STA. 385+45  
ELEV. 418.34

PK NAIL IN POWER POLE  
 PK NAIL IN 36" TREE  
 MAILBOX POST  
 P.O.T. 0.02' RT. STA. 379+99.98  
 PK NAIL (SET)  
 N. 558628.469  
 E. 820451.670



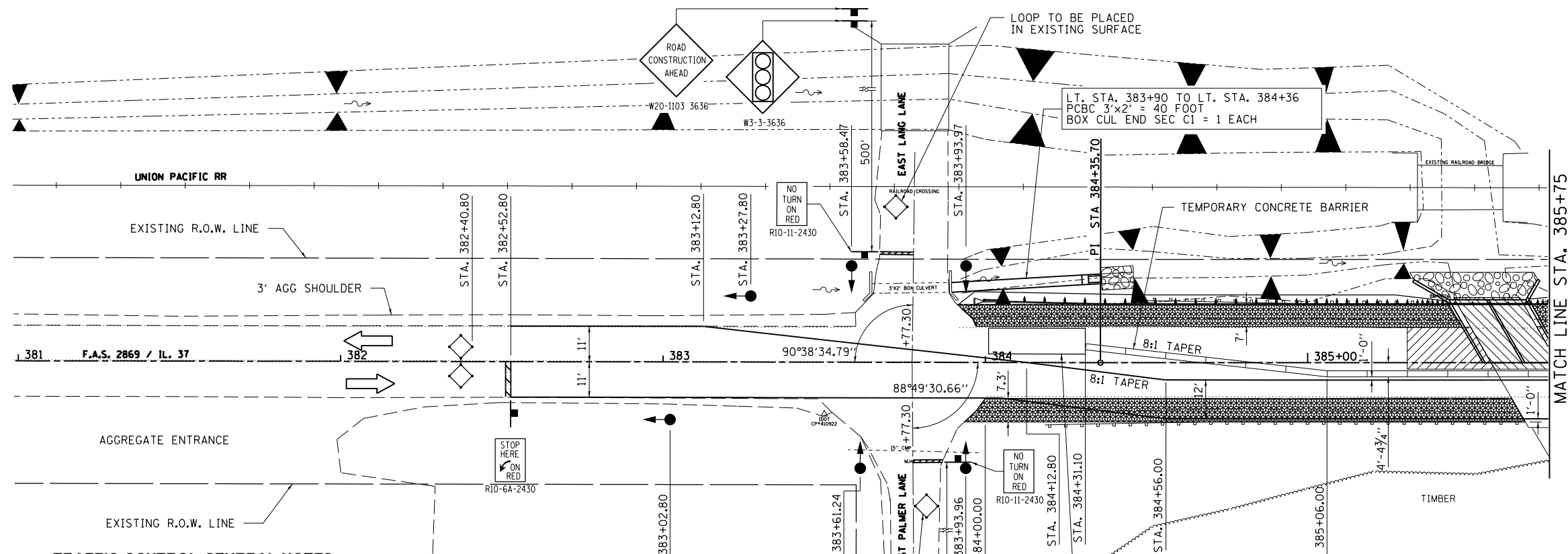
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	FILED	
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PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



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HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - T.W.K.	REVISED -		2869	2B-1	JEFFERSON	36	12			
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62765		CHECKED - J.W.F.	REVISED -		CONTRACT NO.							
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DATE - 10/04/12	REVISED -		SCALE: 20H:5V	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



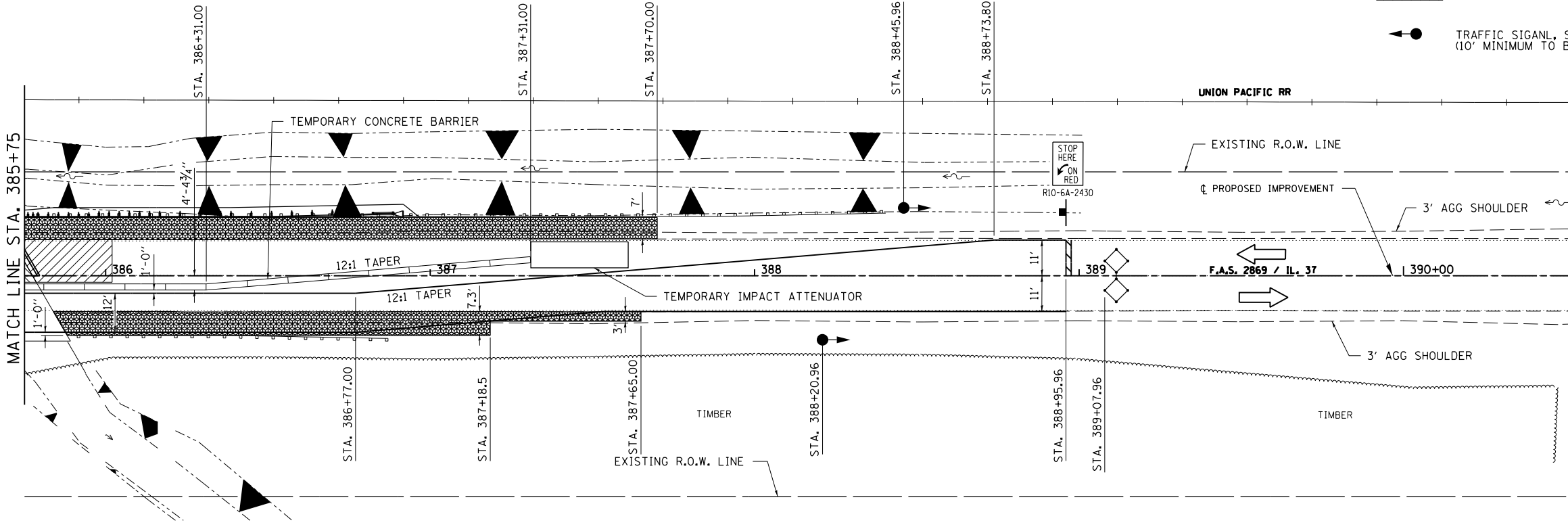


**TRAFFIC CONTROL GENERAL NOTES**

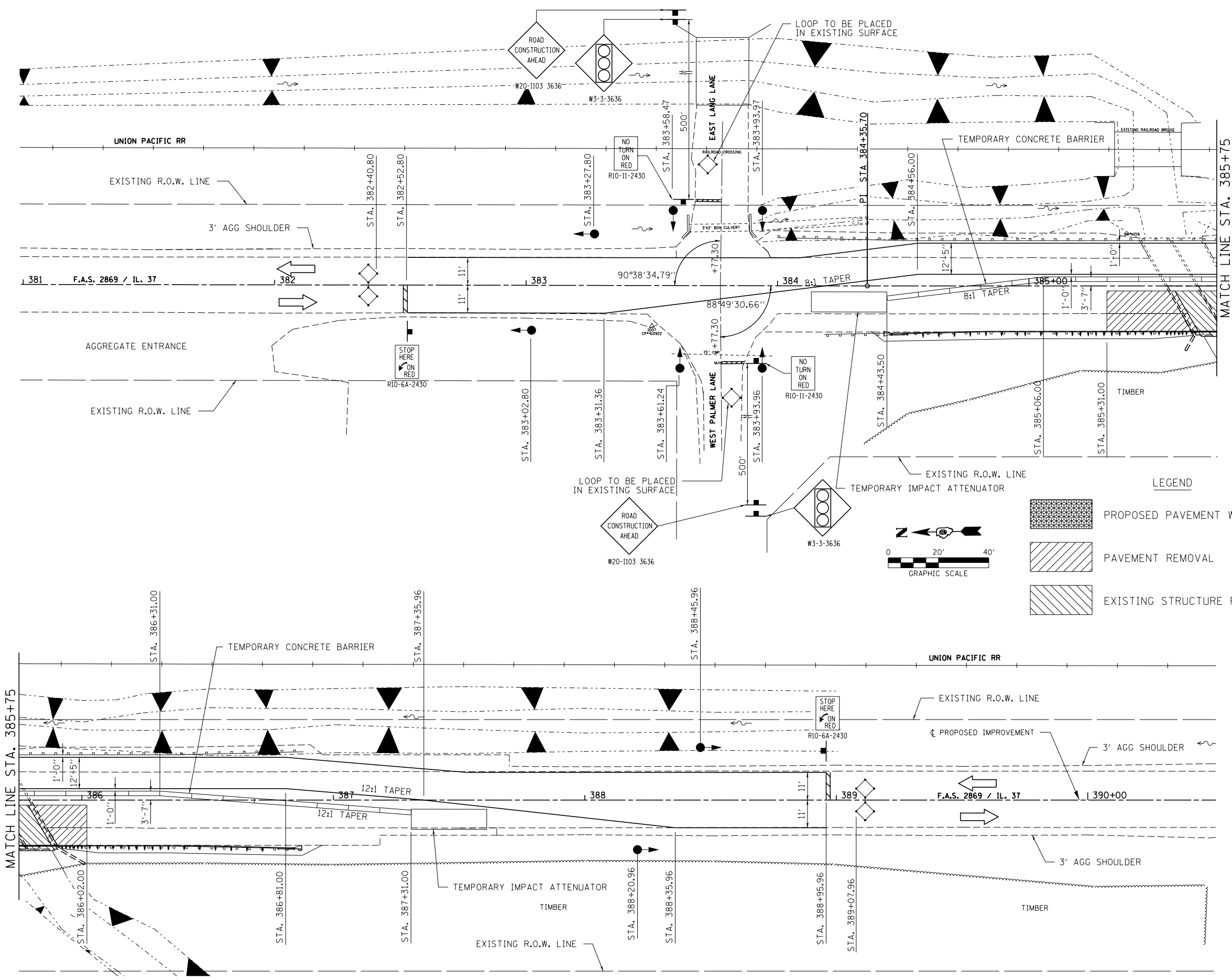
- 1 SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.
- 2 COORDINATE LOCATION OF SIGNALS WITH FINAL WORK AS DIRECTED BY THE ENGINEER.
- 3 ADDITIONAL SIGNAGE FOR ENTRANCES, SIDE ROADS AND ADVANCED WIDTH RESTRICTIONS WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701321.
- 4 ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.
- 5 THE ADDITIONAL DETECTOR LOOPS ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.
- 6 TEMPORARY BRIDGE TRAFFIC SIGNALS SHALL BE A 4-PHASE SIGNAL WITH ACTUATION PROVIDED FOR THE SIDE ROADS LOCATED LT. & RT. STATION 383+77.30

**LEGEND**

- PROPOSED PAVEMENT WIDENING (10 3/4")
- PAVEMENT REMOVAL
- EXISTING STRUCTURE REMOVAL
- TRAFFIC SIGNAL, SIGNAL DIRECTION INDICATED (10' MINIMUM TO BOTTOM OF SIGNAL)



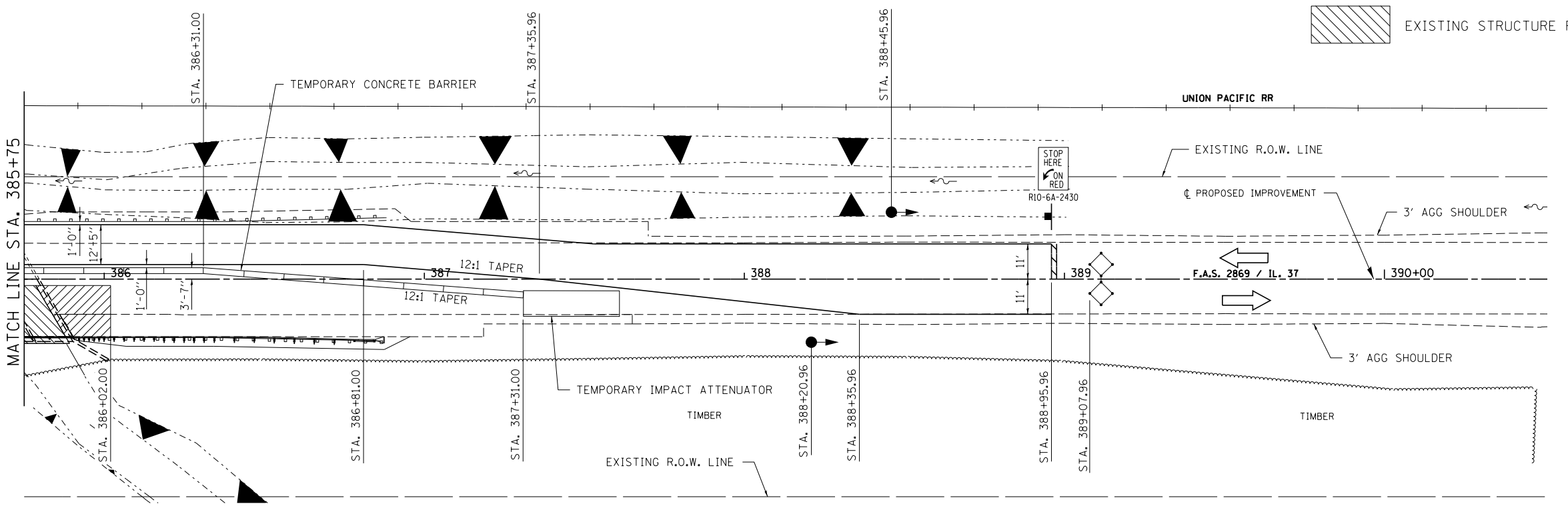
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DRAWN - T.W.K.		REVISED -	REVISED -		2869	2B-1	JEFFERSON	36	14			
CHECKED - J.W.F.		REVISED -	REVISED -		CONTRACT NO. 78148							
DATE - 10/04/12		REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT SCALE = 2.0000' / in.		PLOT DATE = 10/12/2012		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



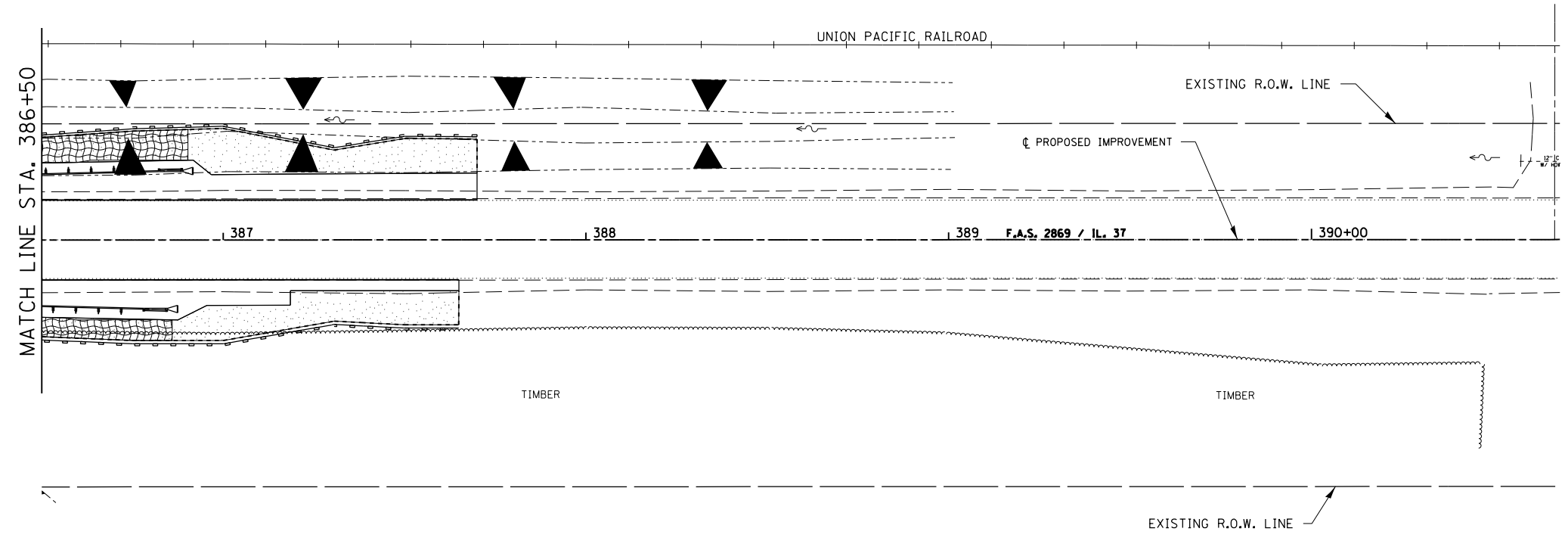
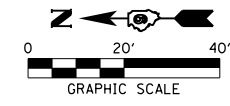
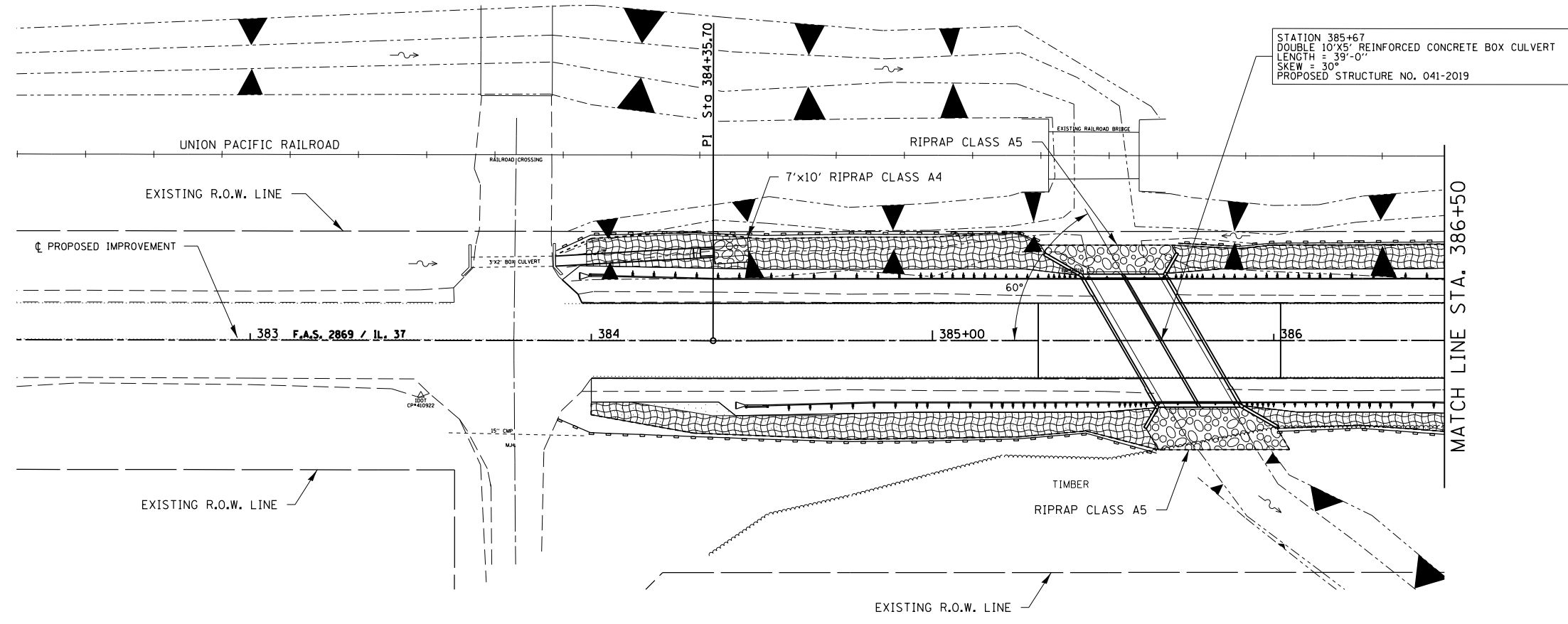
**LEGEND**

- PROPOSED PAVEMENT WIDENING (10 3/4")
- PAVEMENT REMOVAL
- EXISTING STRUCTURE REMOVAL

0 20' 40'  
GRAPHIC SCALE



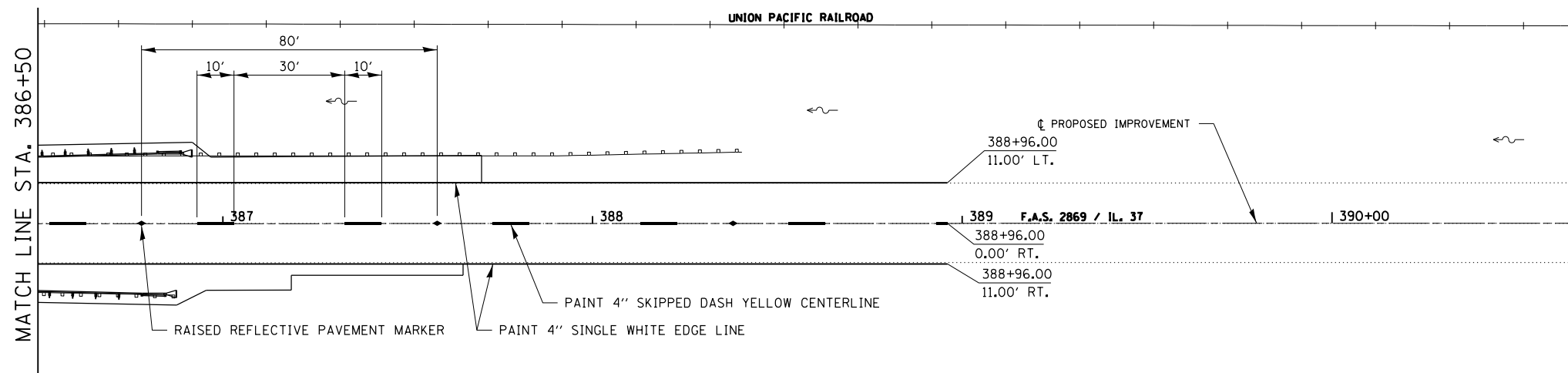
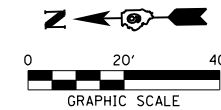
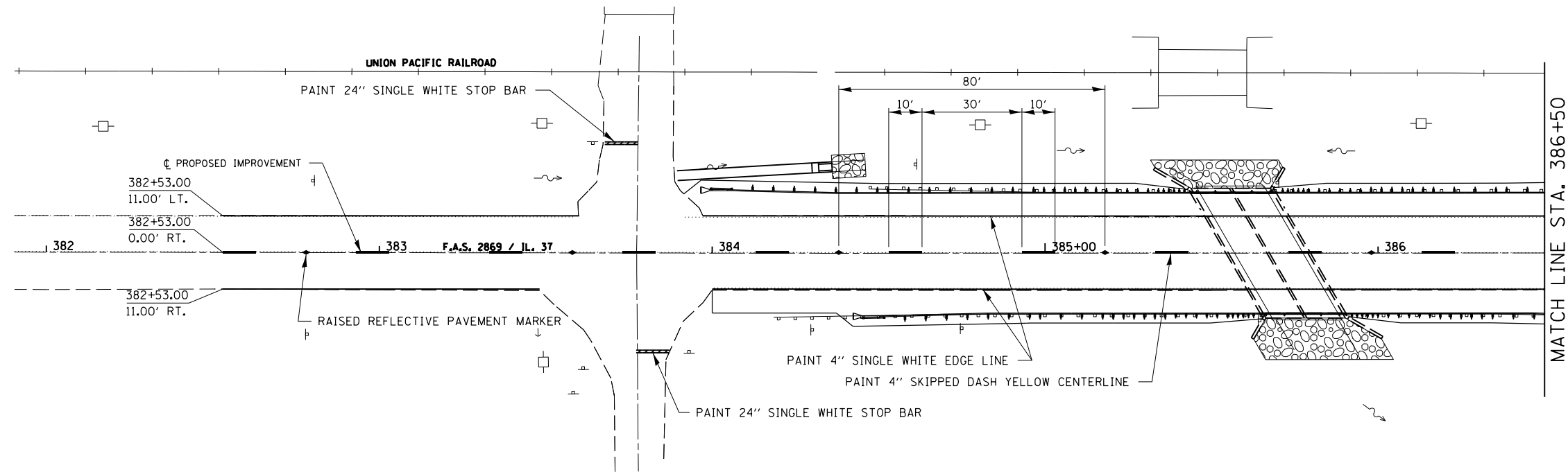
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HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.000959	PLOT SCALE = *SCALE*	DRAWN - T.W.K.	REVISED -		2869	2B-1	JEFFERSON	36	15			
PLOT DATE = 10/4/2012	CHECKED - J.W.F.	DATE - 10/04/12	REVISED -		CONTRACT NO. 78148							
					ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



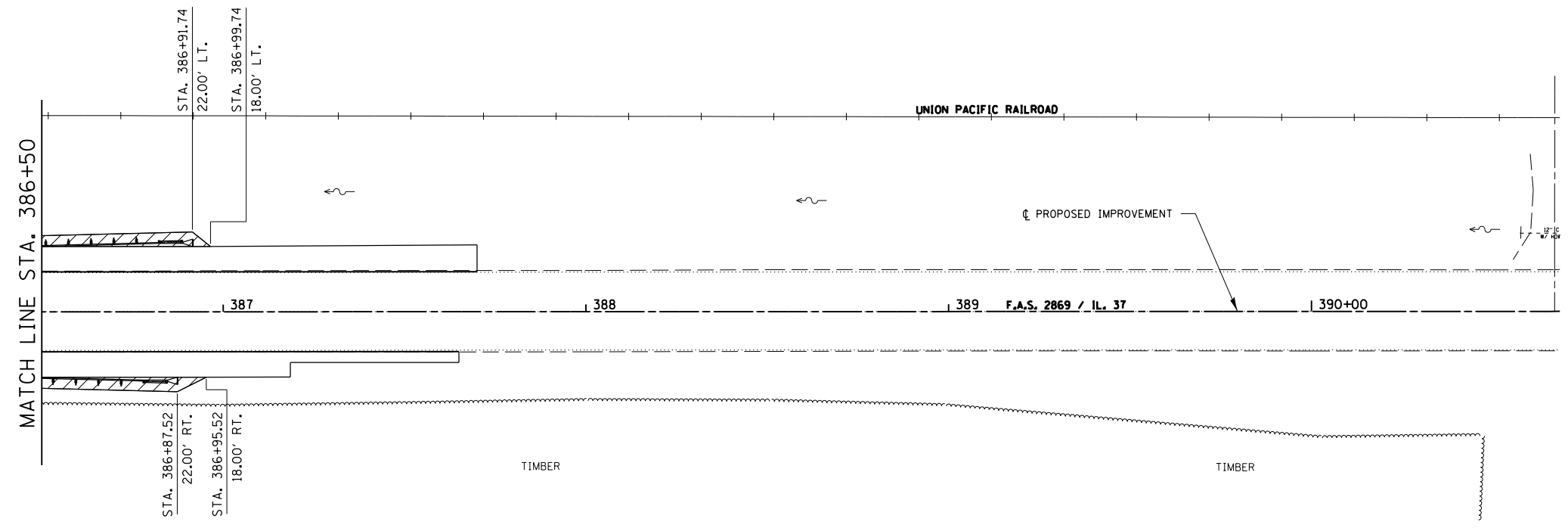
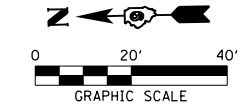
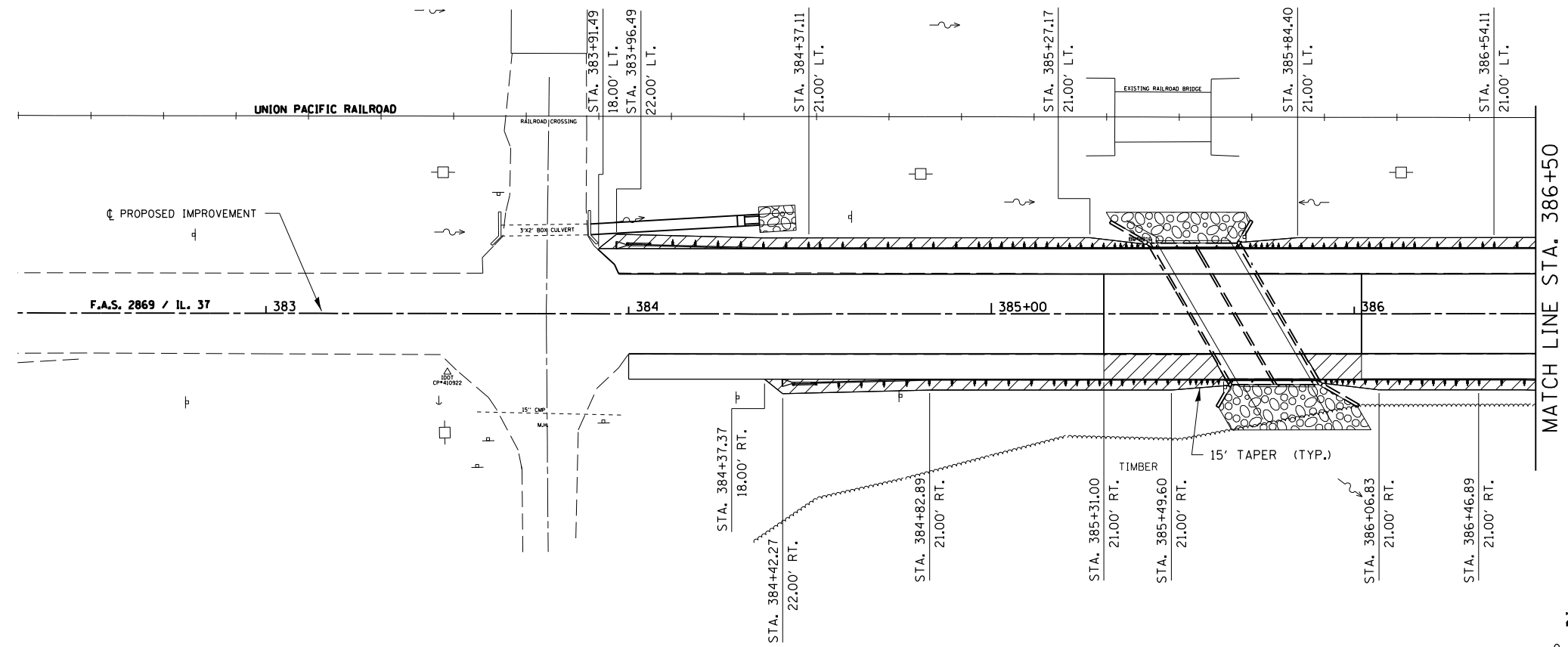
- LEGEND**
- RIPRAP CLASS A4 SINGLE BOX
  - RIPRAP CLASS A5 DOUBLE BOX
  - EROSION CONTROL BLANKET AND SEEDING
  - PERIMETER EROSION BARRIER
  - SEEDING

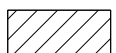
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	DRAWN - P.J.L.	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	2869	2B-1	JEFFERSON
PLOT SCALE = 2.0000' / in.	CHECKED - J.W.F.	REVISED -				CONTRACT NO. 78148			ILLINOIS FED. AID PROJECT		
PLOT DATE = 10/12/2012	DATE - 10/04/12	REVISED -									



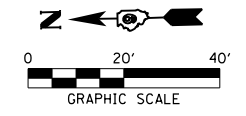
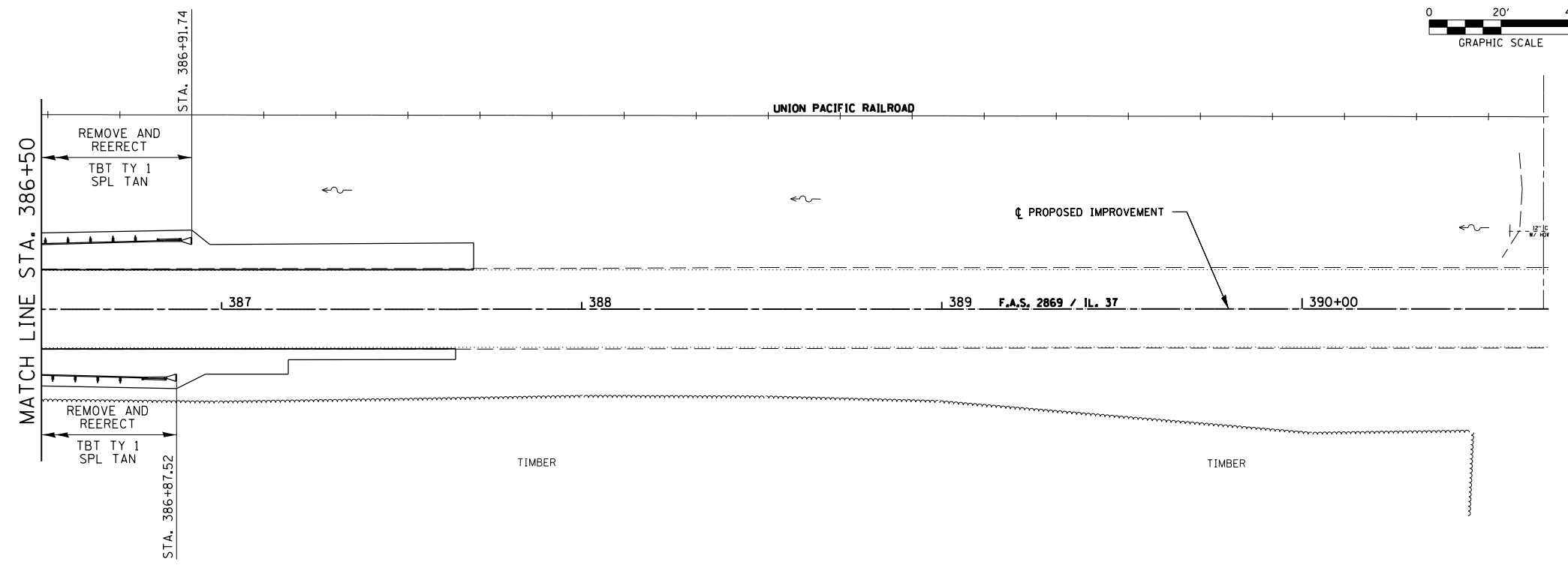
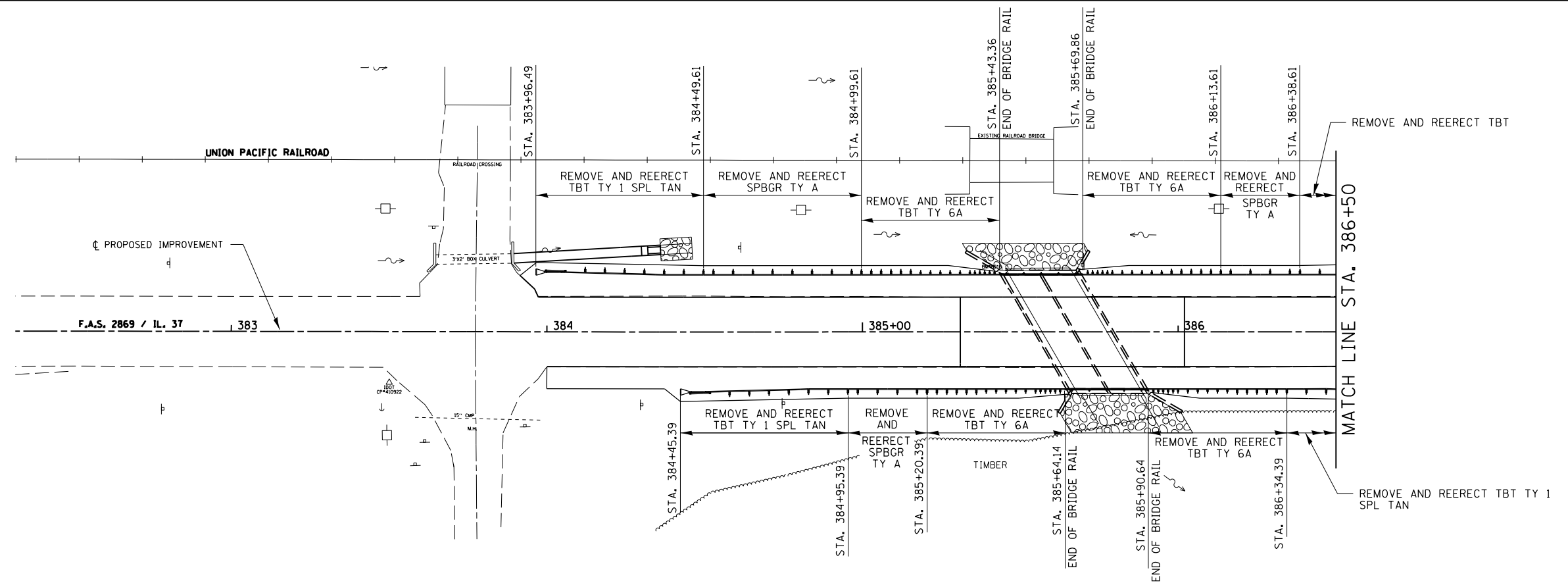


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	PLOT SCALE = 2.0000' / in. PLOT DATE = 10/12/2012	DATE - 10/04/12		SCALE:      SHEET NO.      OF      SHEETS      STA.      TO STA.					



LEGEND  
 HMA SHOULDERS 8"

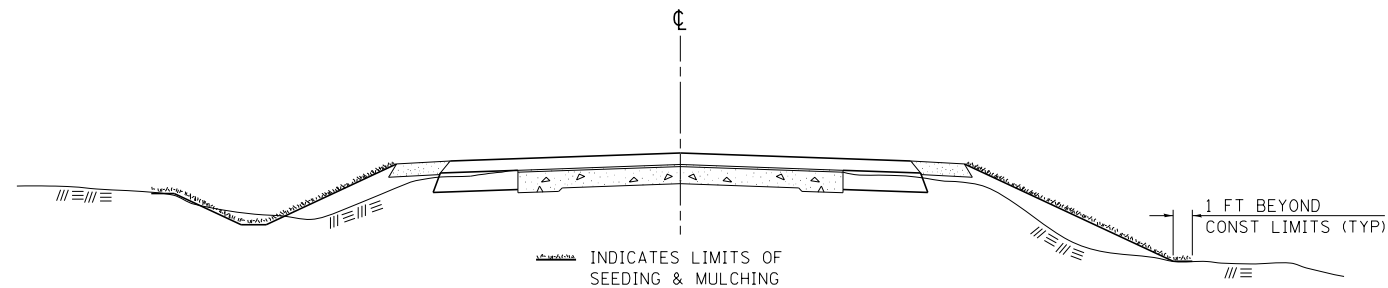
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	DRAWN - T.W.K.	REVISED -		2869	2B-1	JEFFERSON	36	18				
PLOT SCALE = 2.0000' / in.	CHECKED - J.W.F.	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 78148				
PLOT DATE = 10/12/2012	DATE = 10/04/12	REVISED -	ILLINOIS FED. AID PROJECT									



FILE NAME = c:\pwwork\pwwork\lenderbo\1532347609781458-st-detaisl.dgn HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GUARDRAIL LAYOUT</b> <b>IL. 37</b>			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - T.W.K.	REVISED -					2869	2B-1	JEFFERSON	36	19
PLOT SCALE = 2.0000' / in.	CHECKED - J.W.F.	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 78148 ILLINOIS FED. AID PROJECT			
PLOT DATE = 10/12/2012	DATE = 10/04/12	REVISED -									



# SEEDING & MULCHING



## GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

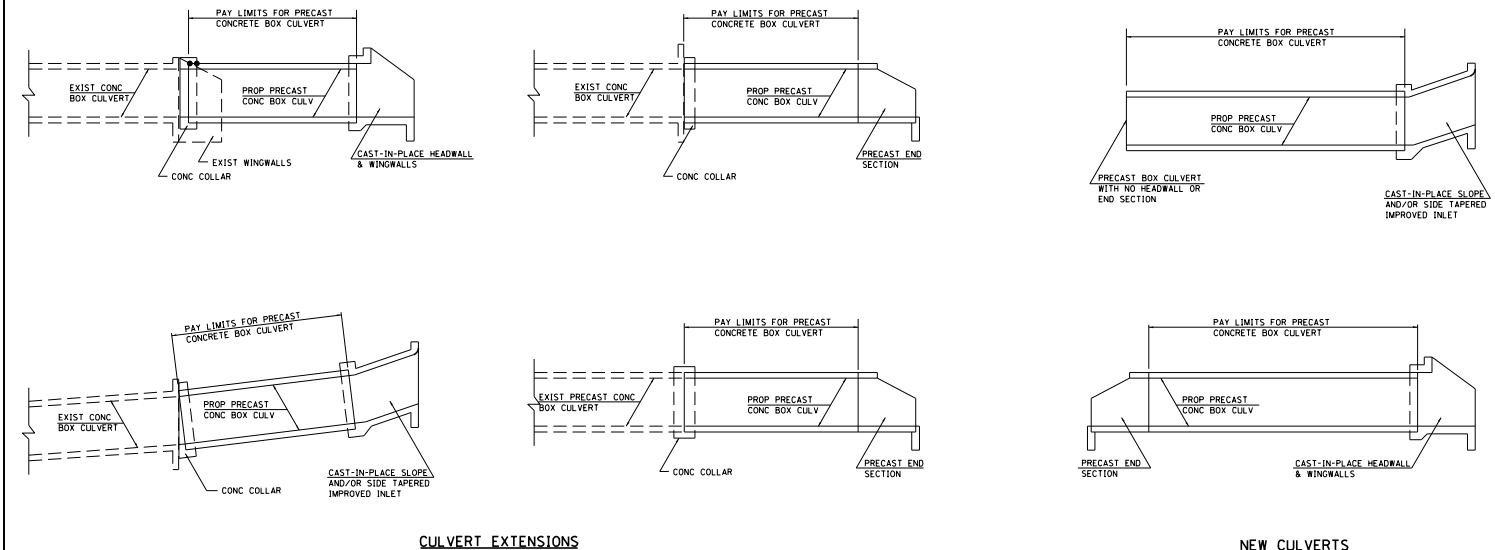
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08

STD. 9-12

# PAYMENT LIMITS FOR PRECAST CONCRETE BOX CULVERTS



## NOTES:

WHEN PRECAST CONCRETE BOX CULVERTS ARE SPECIFIED ON THE PLANS, THEY WILL BE MEASURED BY THE FOOT. THE OVERALL LENGTH SHALL BE MEASURED OUT-TO-OUT OF THE PRECAST SEGMENTS ALONG THE CENTERLINE OF THE CULVERT. THE BOX CULVERT END SECTIONS WILL BE MEASURED AS EACH. CAST-IN-PLACE COLLARS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PRECAST CONCRETE BOX CULVERT. SEE ARTICLE 540.08 OF THE STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2002.

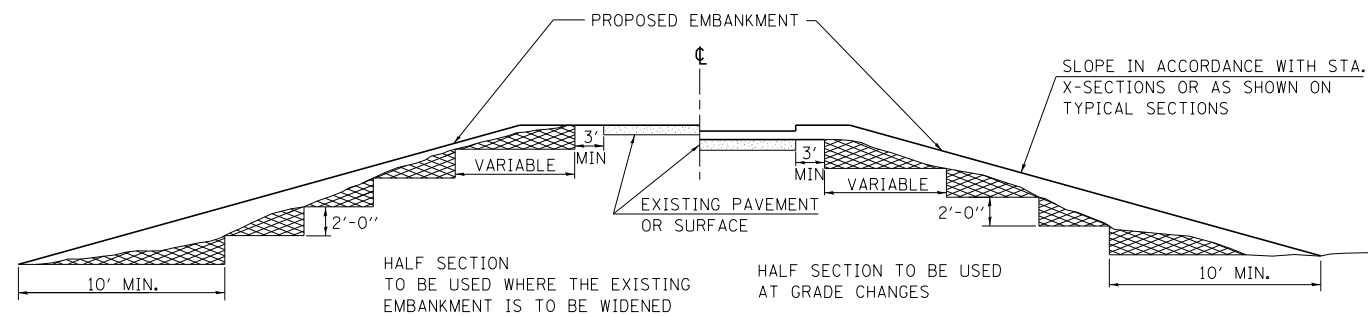
THE TERM "BOX CULVERT END SECTION" AS USED HEREIN SHALL BE DEFINED AS EITHER PRECAST END SECTIONS OR CAST-IN-PLACE HEADWALLS AND WINGWALLS CONSTRUCTED AS SHOWN IN THE PLANS.

THROUGHOUT THESE PLANS, QUANTITIES SHOWN FOR CLASS SI CONCRETE AND REBARS TO BE USED IN COLLARS, HEADWALLS, WINGWALLS OR IMPROVED INLETS FOR PRECAST CONCRETE BOX CULVERTS ARE PROVIDED FOR INFORMATION AND BIDDING ONLY, AND SHALL NOT BE PAID FOR SEPARATELY.

REVISION	DATE	BY	DESCRIPTION
1	2-15-89		REDRAWN
2	8-15-94		REVISED
3	6-3-99		REVISED
4	3-27-08		REVISED

STD. 9-81

# TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL

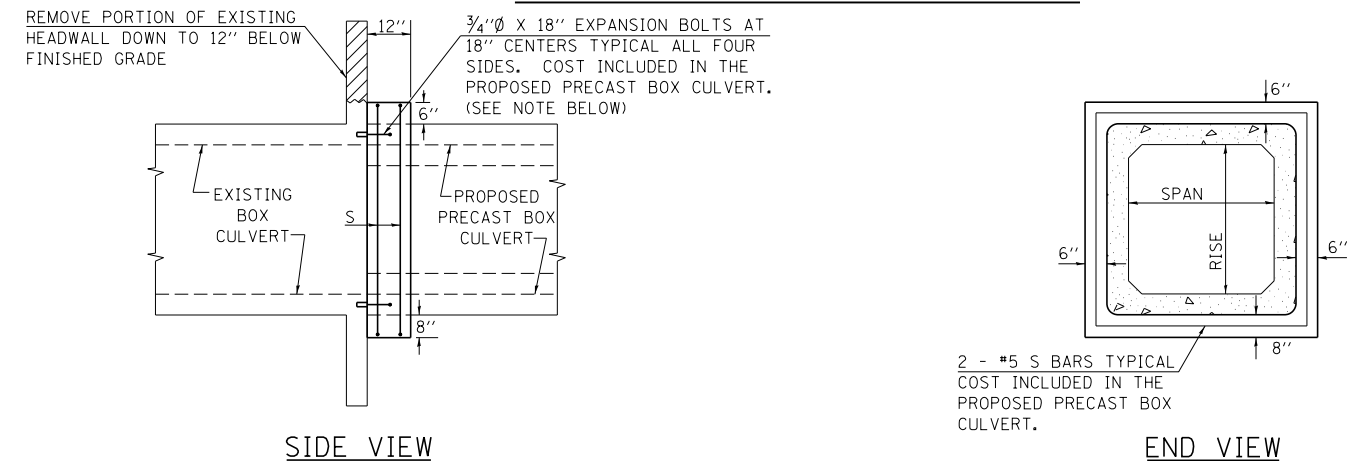


MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08

STD. 9-16

# DETAILS OF CONCRETE COLLAR FOR PRECAST BOX CULVERT



THE CONCRETE COLLAR SHALL BE CONSIDERED INCLUDED IN PRECAST CONCRETE BOX CULVERT, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALLS AS MAY BE REQUIRED. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

## NOTE:

ANCHOR BOLTS, MEETING THE REQUIREMENTS OF ARTICLE 1006.09 OF THE STANDARD SPECIFICATIONS, SHALL EXTEND A MINIMUM OF 9 INCHES INTO THE NEW CONCRETE. EXPANSION SHIELDS SHALL PROVIDE A MINIMUM CERTIFIED PROOF LOAD OF 4080 POUNDS.

## TABULATION

(FOR INFORMATION PURPOSES ONLY)	
SPAN X RISE	CLASS SI CONC. CU. YD. (EST.)
2' X 2'	0.26
3' X 2'	0.30
3' X 3'	0.34
4' X 2'	0.36
4' X 3'	0.39
4' X 4'	0.43
5' X 2'	0.41
5' X 3'	0.45
5' X 4'	0.49
6' X 2'	0.47
6' X 3'	0.51
6' X 4'	0.54

REVISIONS			
DRAWN	8-15-89	REVISED	12-17-01
REVISED	2-15-90	REVISED	3-26-08
REVISED	8-10-90	REVISED	
REVISED	8-19-94	REVISED	

STD. 9-45

BENCHMARK: BM#H-216 - Top of wingwall 21' Lt., Sta. 385+45, Elev. 418.34.

EXISTING STRUCTURE: SN 041-0092 was originally built in 1922 as SBI Route 37 Section 2-B as a single span RC slab on closed abutments. In 1952 it was reconstructed by widening the existing structure in kind. The bridge is 20'-9 1/2" bk.-bk. abuts. and 40'-4" o.-o. Structure is to be removed and replaced using stage construction to maintain one lane of traffic at all times.

Salvage: None

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.  
 Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.  
 Precast alternate is not allowed.

**INDEX OF SHEETS**

1. General Plan
2. Stage Construction Details
3. Temporary Concrete Barrier for Stage Construction
4. Culvert Plan
5. Culvert Details
6. Steel Railing, Type 2399
7. Bar Splicer Assembly and Mechanical Splicer Details
- 8-9. Boring Logs

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	134
Stone Riprap, Class A5	Sq. Yd.	78
Filter Fabric	Sq. Yd.	78
Removal of Existing Structures	Each	1
Reinforcement Bars, Epoxy Coated	Pound	26,360
Bar Splicers	Each	97
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	88.1
Temporary Sheet Piling	Sq. Ft.	473
Steel Railing, Type 2399	Foot	53
Rockfill-Foundation	Ton	179
Protective Coat	Sq. Yd.	13

**DESIGN SPECIFICATIONS**

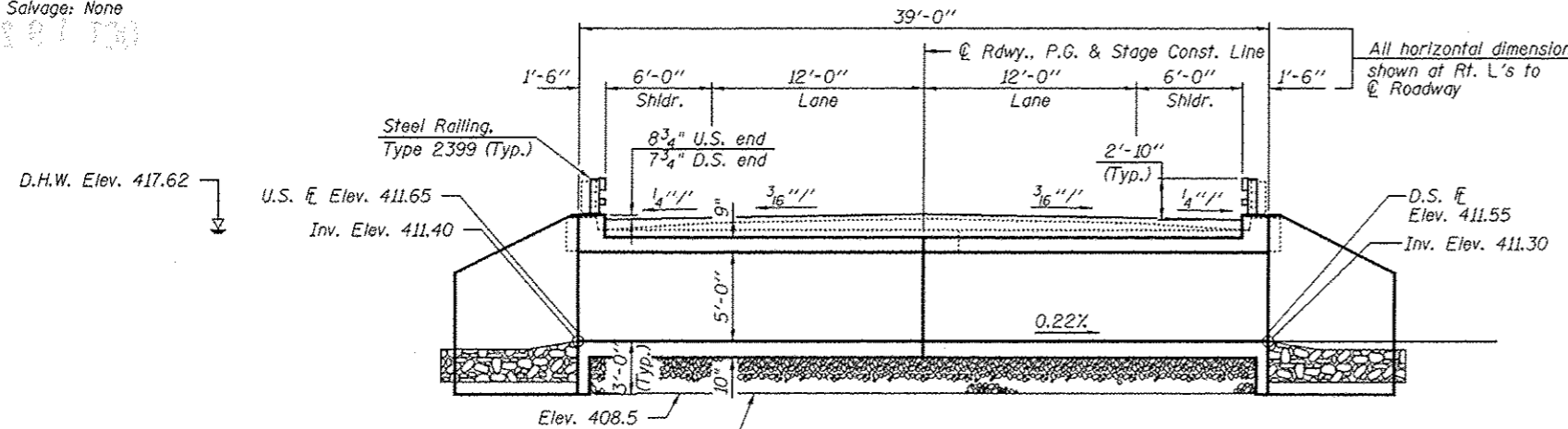
2002 AASHTO Standard Specifications for Highway Bridges

**LOADING HS-20-44**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinf.)



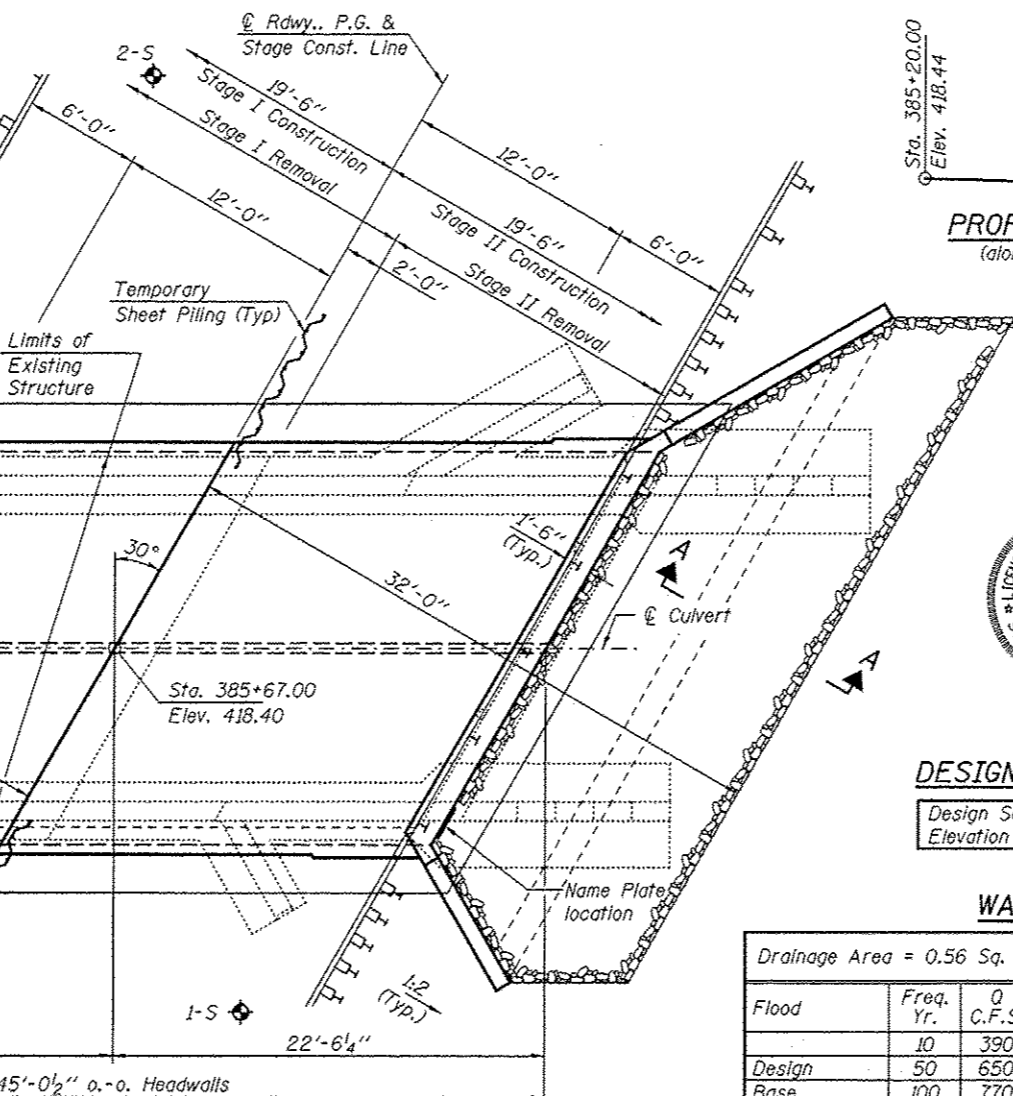
**LONGITUDINAL SECTION**

STATION 385+67.00  
 BUILT 20\_\_ BY  
 STATE OF ILLINOIS  
 F.A.S. RT. 2869 SEC. 2B-1  
 LOADING HS-20  
 STR. NO. 041-2019

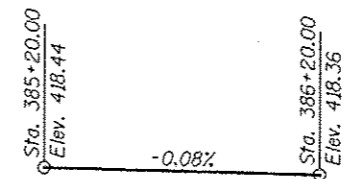
**NAME PLATE**  
 See Std. 515001

Limits of Removal and Disposal of Unsuitable Material and Rockfill-Foundation

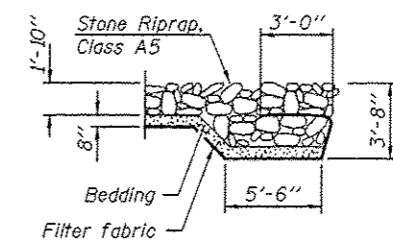
Traffic Barrier Terminal, Type 6A Standard 631032 (Typ.)



**PLAN**

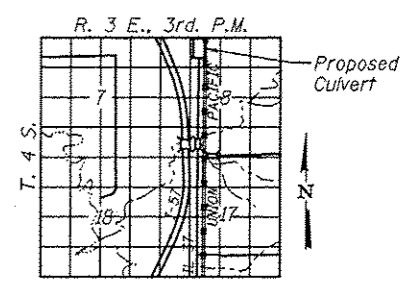


**PROFILE GRADE**  
 (along roadway)

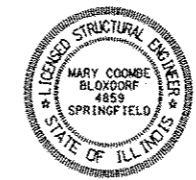


**SECTION A-A**

**APPROVED**  
 For Structural Adequacy Only  
*Mary Coombe Bloxdorf*  
 Engineer of Bridges & Structures



**LOCATION SKETCH**



*Mary Coombe Bloxdorf*  
 ILLINOIS STRUCTURAL NO. 4859  
 EXPIRES 11/30/12  
 DATE: 10/04/12

**DESIGN SCOUR ELEVATION TABLE**

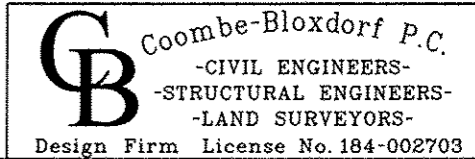
Design Scour Elevation (ft.)	Upstream	Downstream
	408.40	408.30

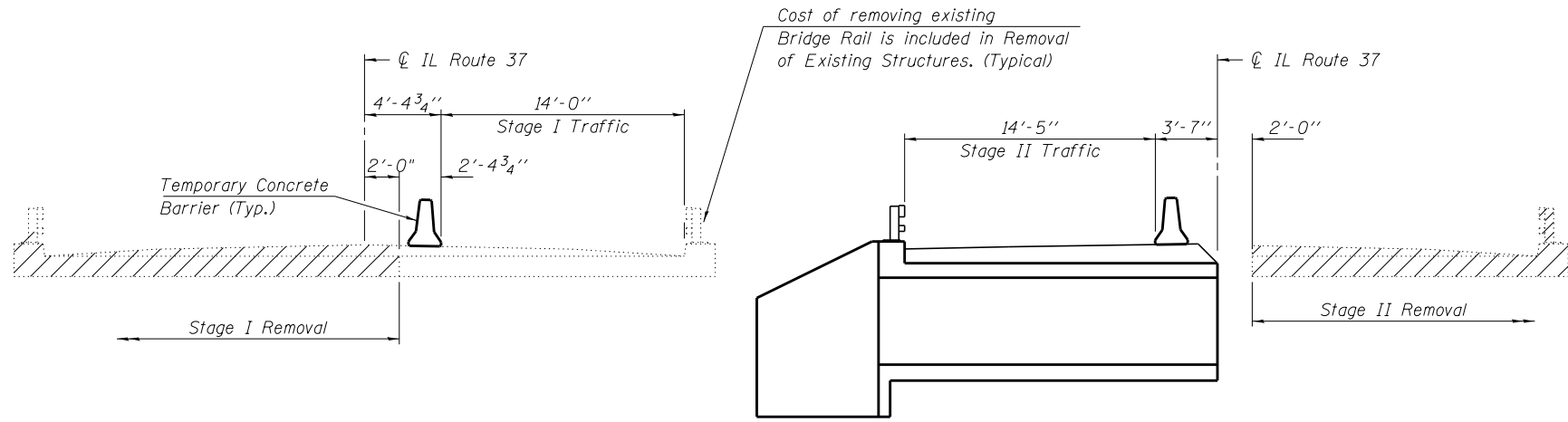
**WATERWAY INFORMATION**

Drainage Area = 0.56 Sq. Mi. Existing Low Grade Elev. 418.0 @ Sta. 388+50  
 Proposed Low Grade Elev. 418.0 @ Sta. 388+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	390	70	100	416.71	0.07	0.00	416.78	416.71
Base	50	650	70	100	417.62	0.28	0.01	417.90	417.63
Exist. Overtop	100	770	70	100	417.96	0.00	0.00	417.96	417.96
Prop. Overtop	50	650	70	-	417.62	0.28	-	417.90	417.62
	100	770	-	100	417.96	-	0.00	417.96	417.96

**GENERAL PLAN**  
**IL ROUTE 37**  
**OVER UNNAMED STREAM**  
**FAS ROUTE 2869 - SECTION 2B-1**  
**JEFFERSON COUNTY**  
**STATION 385+67.00**  
**STRUCTURE NO. 041-2019**

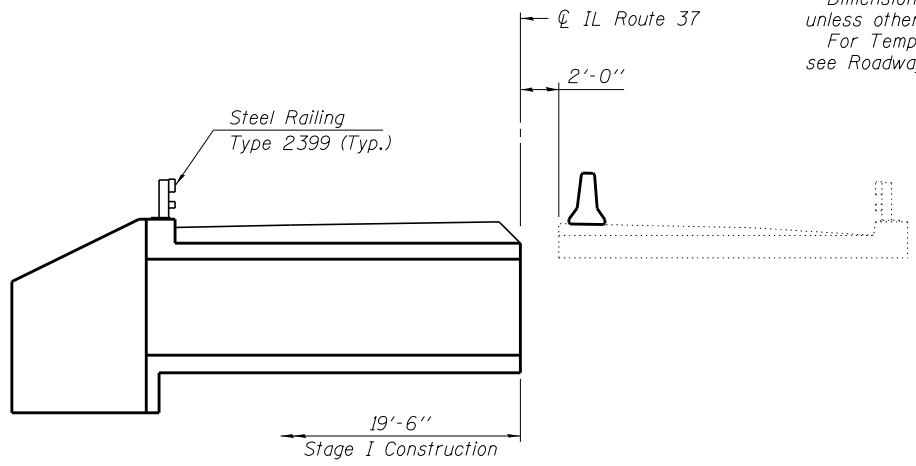




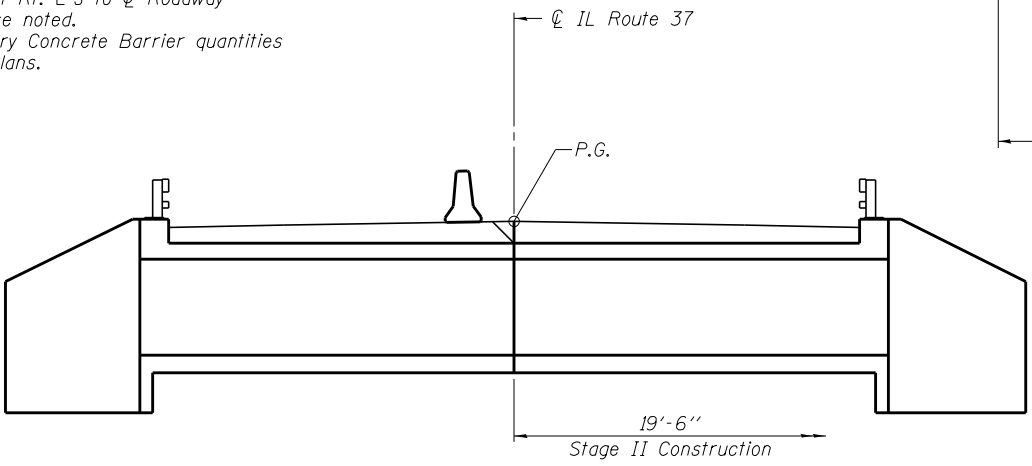
**STAGE I REMOVAL**  
(Looking South)

**STAGE II REMOVAL**  
(Looking South)

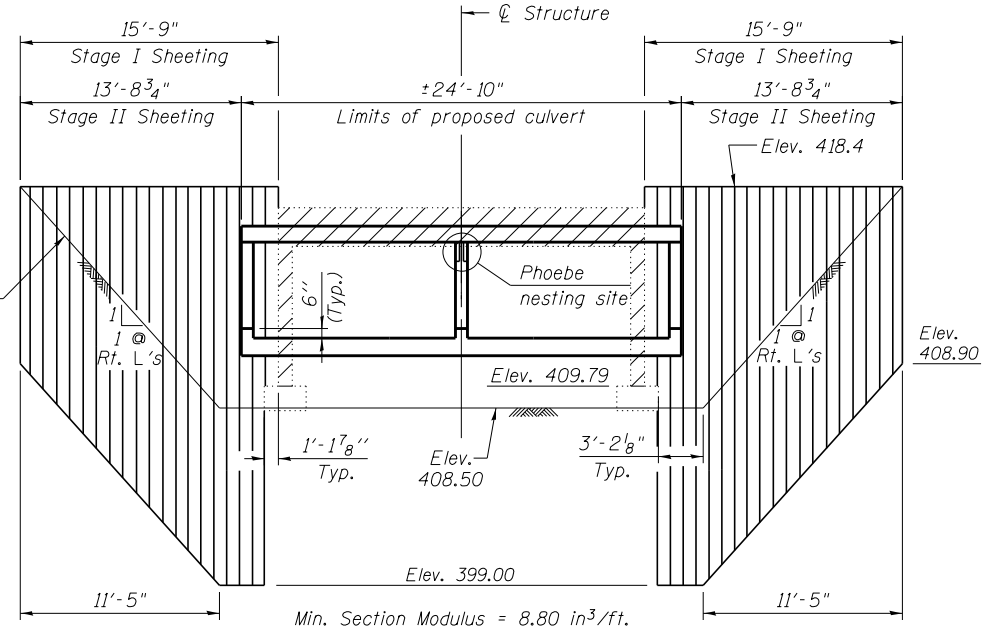
Notes:  
Dimensions at Rt. L's to  $\text{CL}$  Roadway unless otherwise noted.  
For Temporary Concrete Barrier quantities see Roadway Plans.



**STAGE I CONSTRUCTION**  
(Looking South)

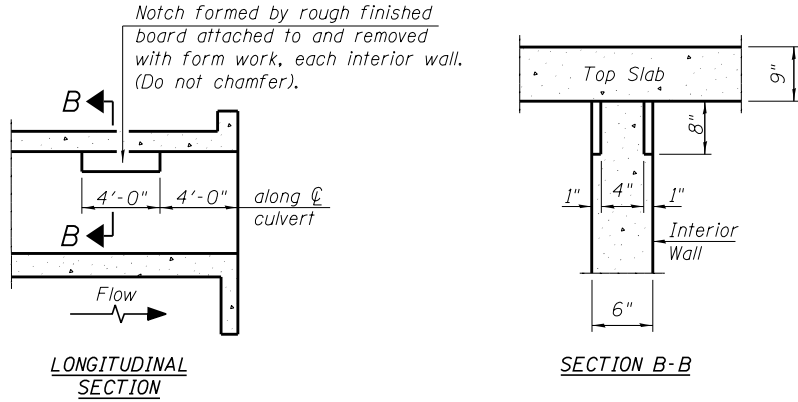


**STAGE II CONSTRUCTION**  
(Looking South)



**TEMPORARY SHEET PILING**  
(Dimensions along  $\text{CL}$  Roadway unless noted otherwise)

Notes:  
If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.  
The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.  
Hatched areas indicate Removal of Existing Structures. The existing abutment footings shall not be removed except in locations where they interfere with the proposed wingwall and cutoff wall construction.



**PHOEBE NESTING SITE DETAILS**  
(Downstream End Only)

FILE NAME =	0412019-78148-002-STG.dgn
CB PROJECT NO.	07855-5

USER NAME =	*USER*
PLOT SCALE =	*SCALE*
PLOT DATE =	10/4/2012

DESIGNED	GB
CHECKED	RM
DRAWN	MML
CHECKED	MCB

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS  
STRUCTURE NO. 041-2019

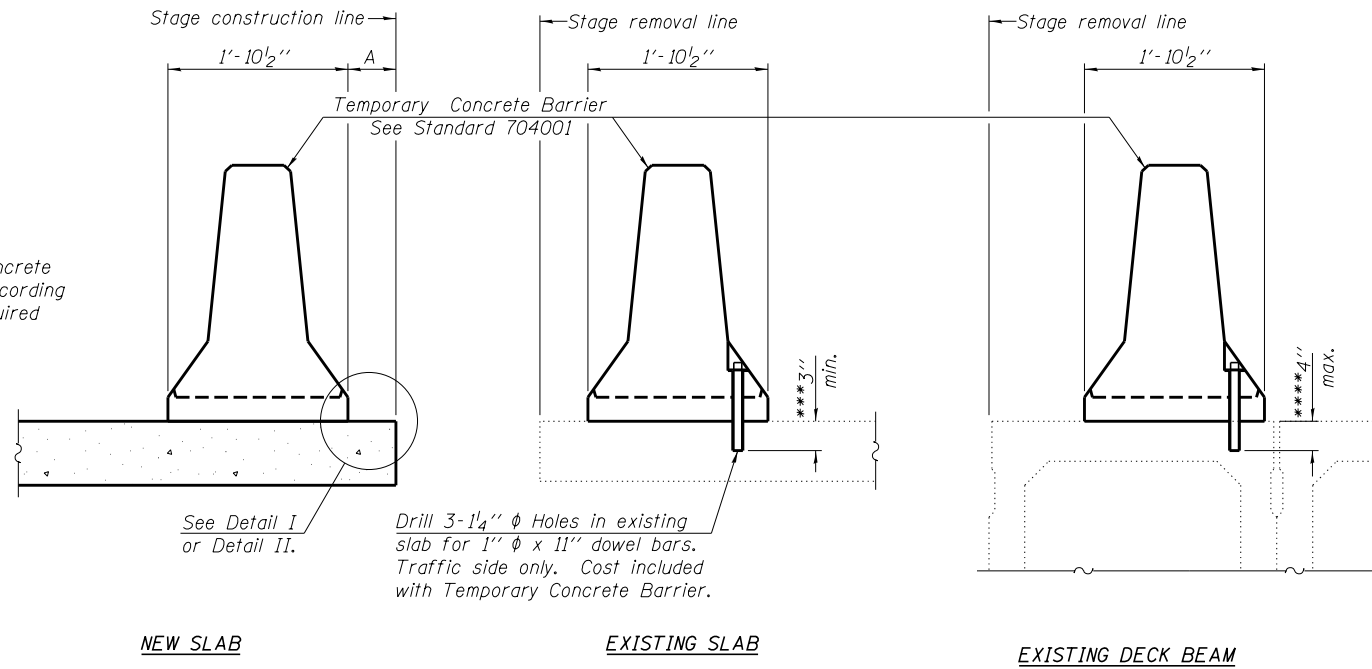
SHEET NO. 2 OF 9 SHEETS

**CB** Coombe-Bloxdorf P.C.  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	23
CONTRACT NO. 78148				

ILLINOIS FED. AID PROJECT

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



**SECTIONS THRU SLAB OR DECK BEAM**

**NOTES**

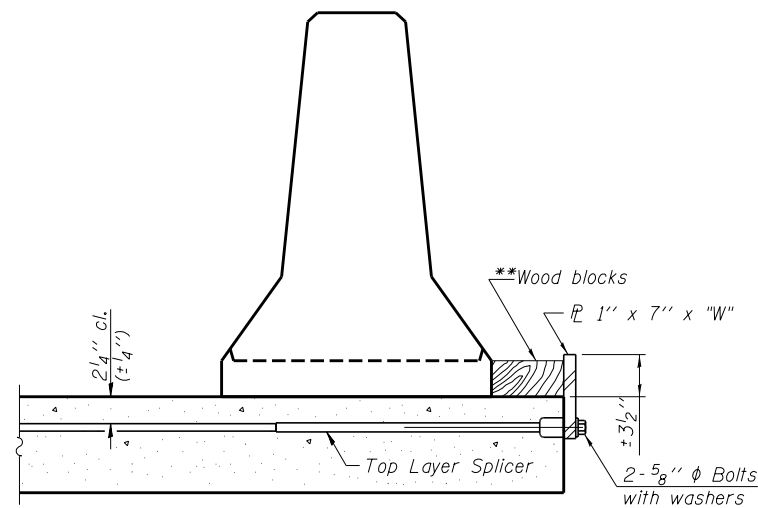
Detail I - With Bar Splicer or Couplers:  
Connect one (1) 1" x 7" x "W" steel PL to the top layer of couplers with 2-5/8" φ bolts screwed to coupler at approximate C of each barrier panel.

Detail II - With Extended Reinforcement Bars:  
Connect one (1) 1" x 7" x "W" steel PL to the concrete slab or concrete wearing surface with 2-5/8" φ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate C of each barrier panel.

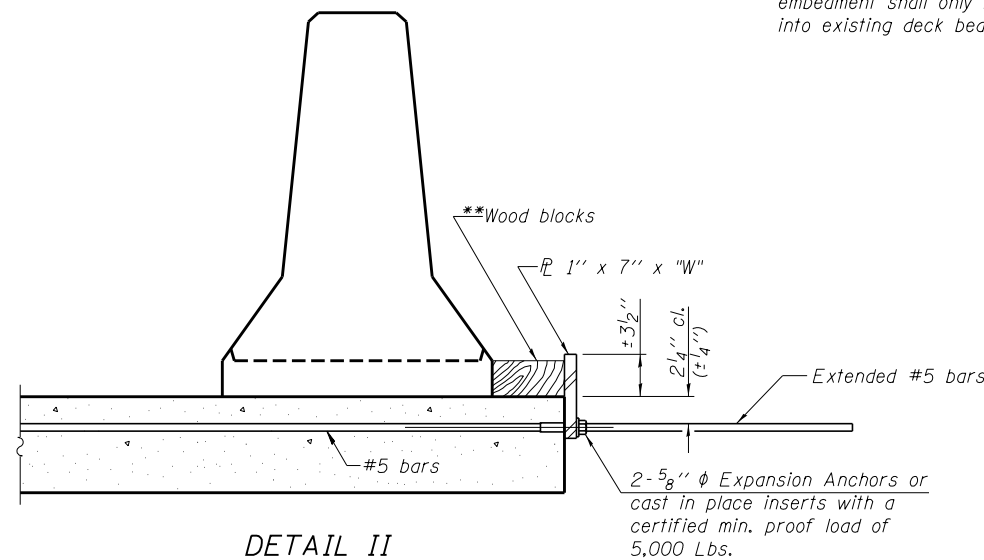
Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

\*\*\* Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

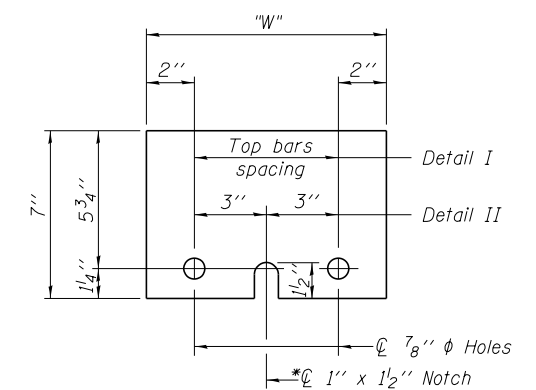
\*\*\*\* If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



**DETAIL I**



**DETAIL II**



**STEEL RETAINER PL 1" x 7" x "W"**

\* Required only with Detail II

\*\* Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

R-27 7-1-10

FILE NAME = 0412019-78148-003-TCB.dgn	USER NAME = *USER*	DESIGNED GB	REVISED -
		CHECKED RM	REVISED -
		DRAWN MML	REVISED -
		CHECKED MCB	REVISED -
CB PROJECT NO. 07855-5	PLOT DATE = 10/4/2012		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION  
STRUCTURE NO. 041-2019**

SHEET NO. 3 OF 9 SHEETS

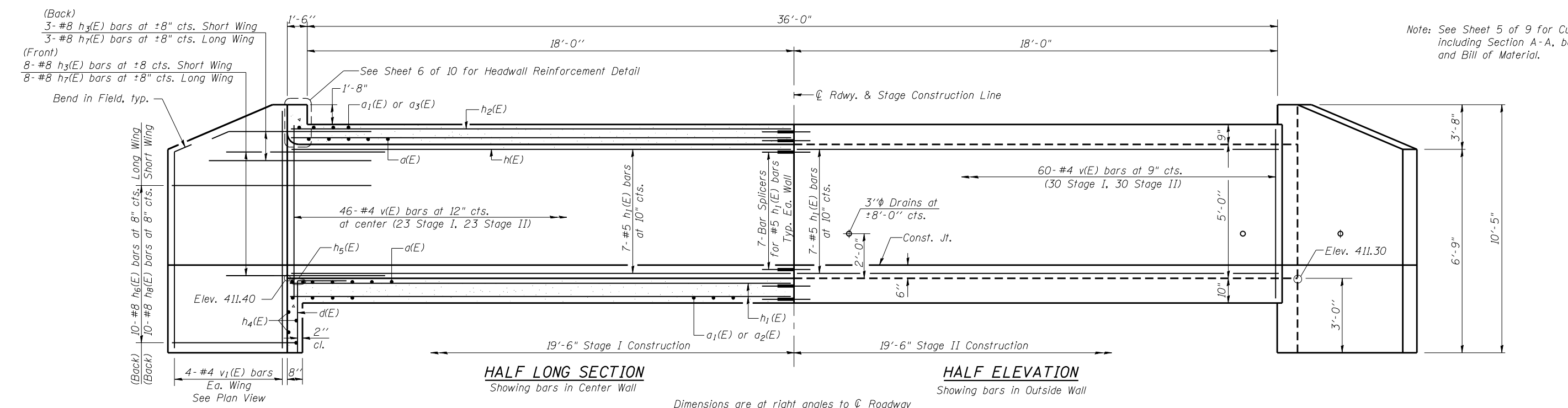
**CB** Coombe-Bloxdorf P.C.  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703

F.A. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	24
			CONTRACT NO. 78148	

ILLINOIS FED. AID PROJECT



Note: See Sheet 5 of 9 for Culvert Details, including Section A-A, bar details and Bill of Material.



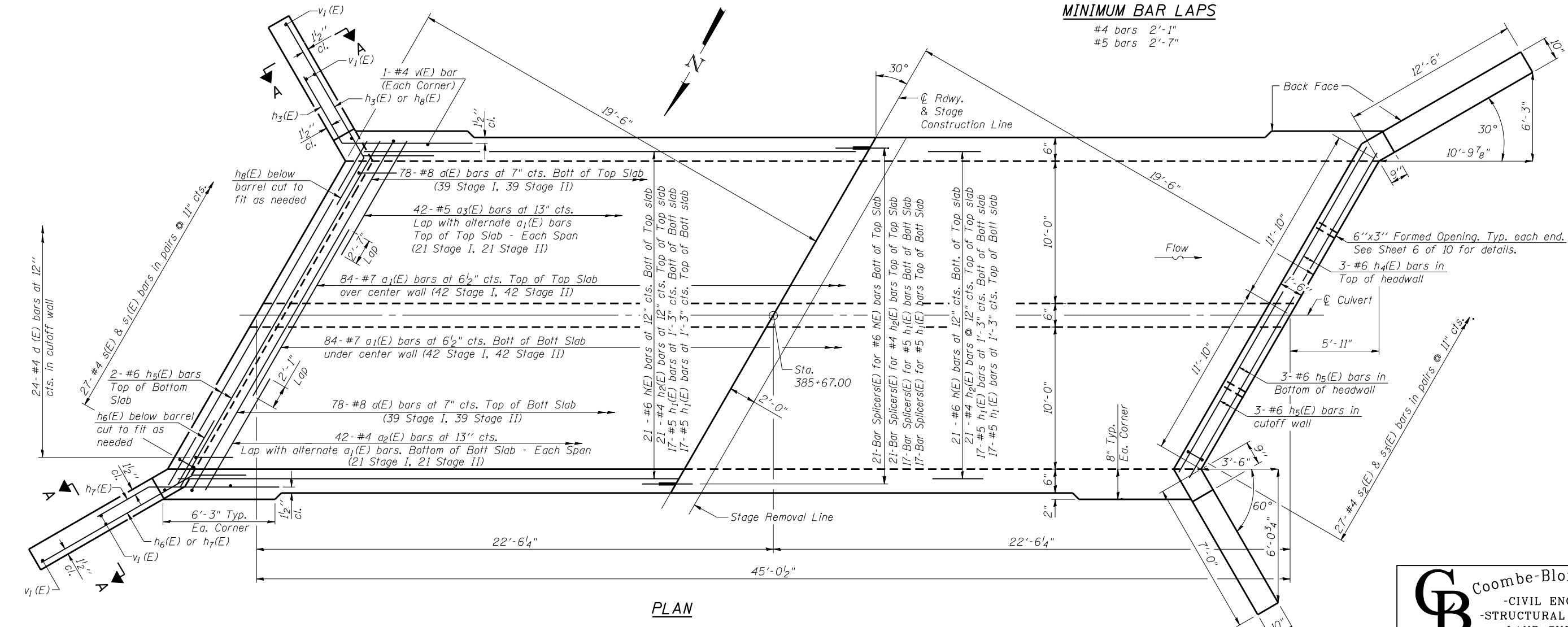
**HALF LONG SECTION**  
Showing bars in Center Wall

**HALF ELEVATION**  
Showing bars in Outside Wall

Dimensions are at right angles to  $\text{C}$  Roadway

**MINIMUM BAR LAPS**

- #4 bars 2'-1"
- #5 bars 2'-7"



**PLAN**

FILE NAME = ... \0412019-78148-004-PLN.dgn  
CB PROJECT NO. 07055-5

USER NAME = .CFC.  
DESIGNED GB  
CHECKED RM  
DRAWN MML  
CHECKED MCB  
PLOT SCALE = 0:2.0000 '1' / IN.  
PLOT DATE = 11/14/2012

DESIGNED GB  
CHECKED RM  
DRAWN MML  
CHECKED MCB  
REVISOR -  
REVISOR -  
REVISOR -  
REVISOR -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

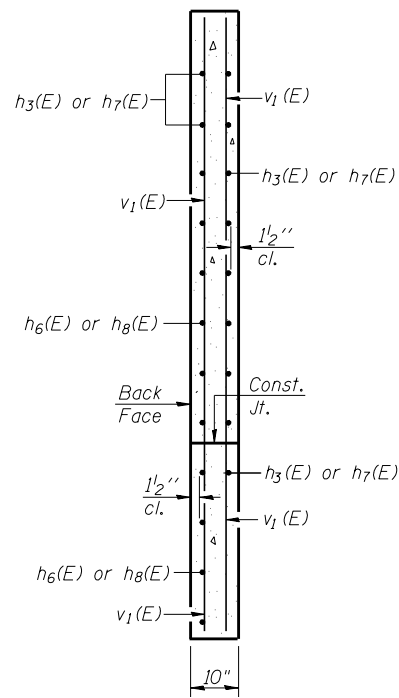
**CULVERT PLAN**  
**STRUCTURE NO. 041-2019**

SHEET NO. 4 OF 9 SHEETS

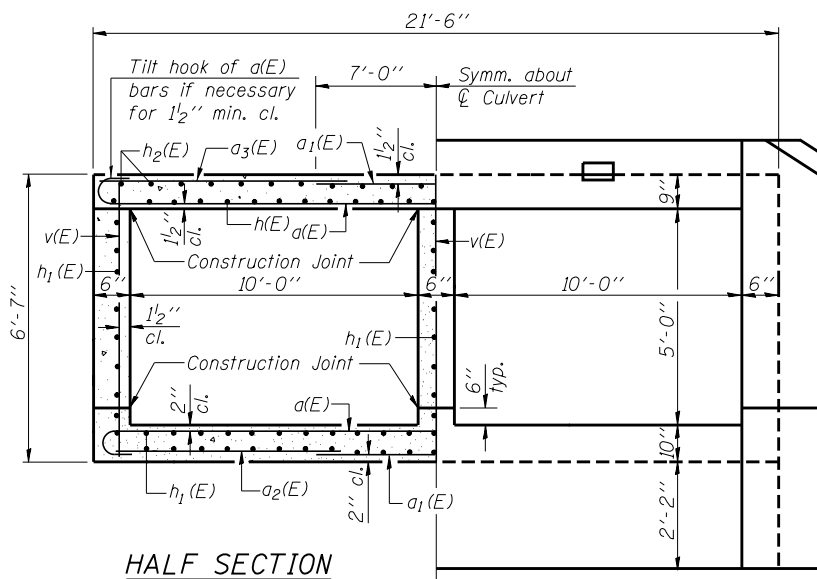
**CB** Coombe-Bloxdorf P.C.  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	25

CONTRACT NO. 78148  
ILLINOIS FED. AID PROJECT



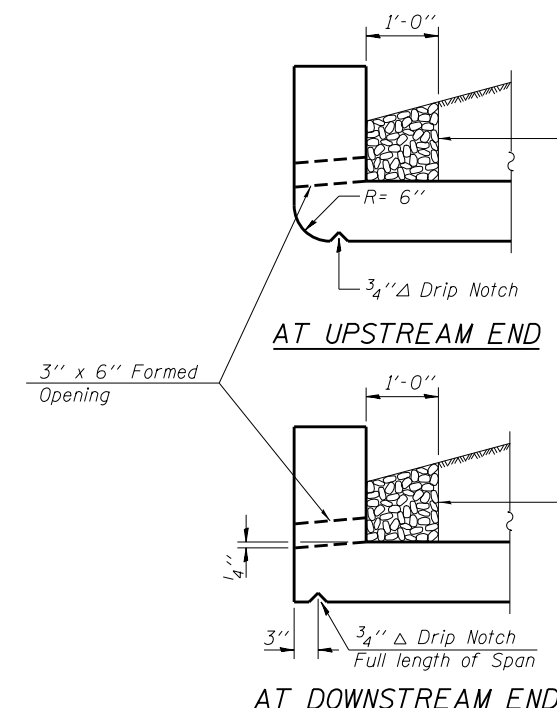
SECTION A-A



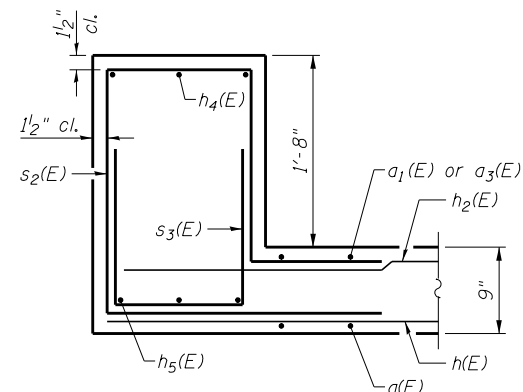
HALF SECTION THRU BARREL

HALF END ELEVATION

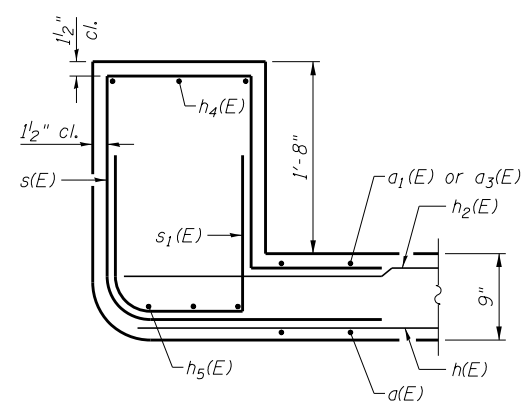
Note:  
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.



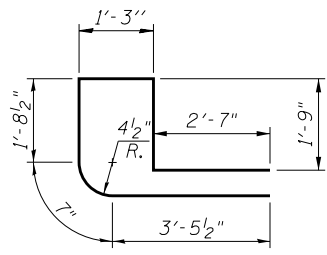
DRAIN DETAIL



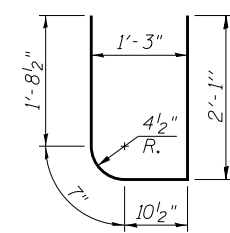
WEST HEADWALL REINFORCEMENT DETAIL



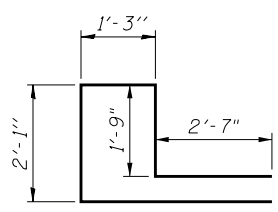
EAST HEADWALL REINFORCEMENT DETAIL



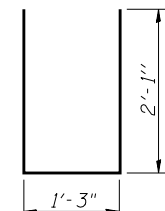
BAR s(E)



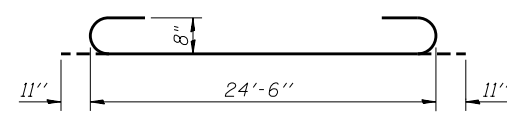
BAR s1(E)



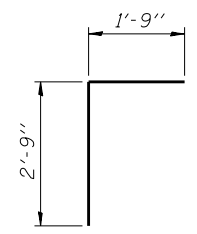
BAR s2(E)



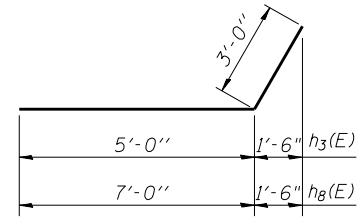
BAR s3(E)



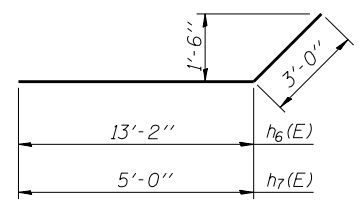
BAR d(E)



BAR d(E)



BARS h3(E) & h8(E)



BARS h6(E) & h7(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	156	#8	26'-4"	U
a1(E)	168	#7	14'-0"	—
a2(E)	84	#4	7'-3"	—
a3(E)	84	#5	7'-9"	—
d(E)	48	#4	4'-6"	L
h(E)	42	#6	22'-2"	—
h1(E)	110	#5	22'-2"	—
h2(E)	42	#4	22'-2"	—
h3(E)	22	#8	8'-0"	—
h4(E)	6	#6	22'-6"	—
h5(E)	14	#6	24'-6"	—
h6(E)	20	#8	16'-2"	—
h7(E)	22	#8	8'-0"	—
h8(E)	20	#8	10'-0"	—
s(E)	27	#5	11'-4"	L
s1(E)	27	#5	5'-3"	U
s2(E)	27	#5	11'-6"	L
s3(E)	27	#5	5'-5"	U
v(E)	170	#4	6'-3"	—
v1(E)	16	#4	10'-1"	—
Concrete Box Culverts			Cu. Yd.	88.1
Reinforcement Bars, Epoxy Coated			Pound	26,360
Bar Splicers			Each	97

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PLOT SCALE = *SCALE*	DRAWN MML	CHECKED RM	REVISED -
PLOT DATE = 10/4/2012	CHECKED MCB		REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS  
STRUCTURE NO. 041-2019

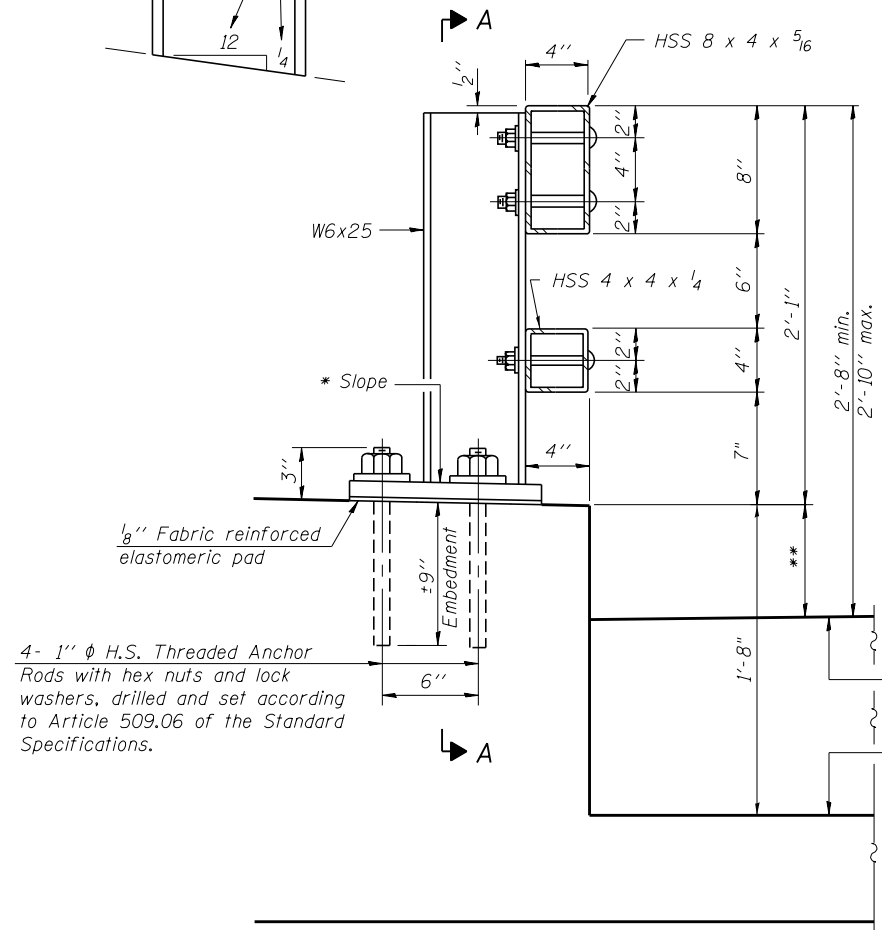
SHEET NO. 5 OF 9 SHEETS

**CB** Coombe-Bloxdorf P.C.  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703

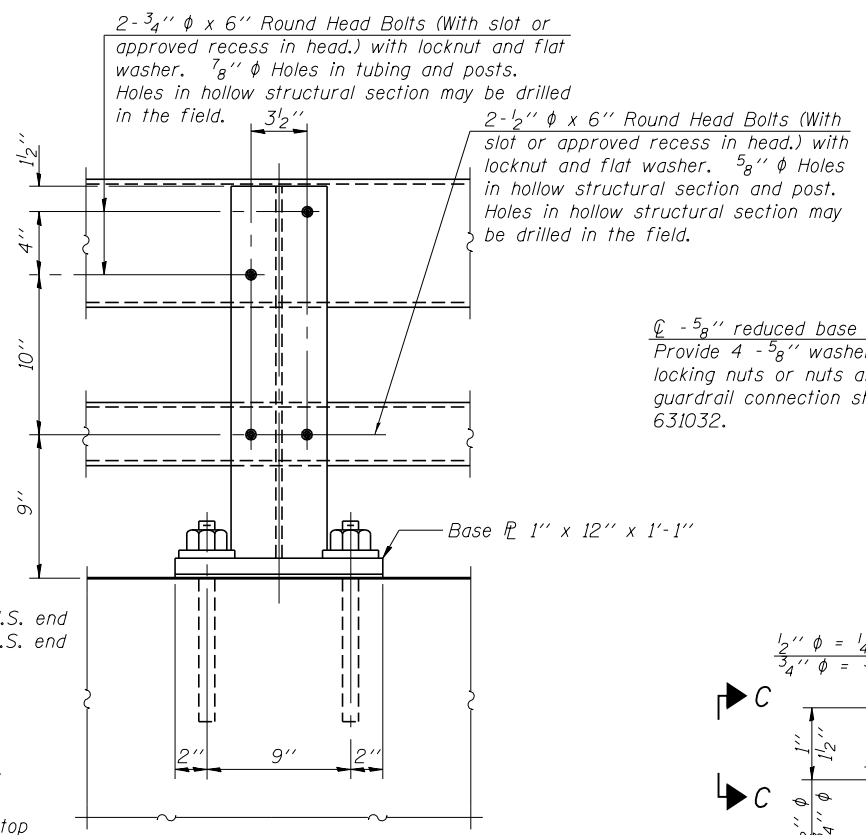
F.A. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	26

CONTRACT NO. 78148  
ILLINOIS FED. AID PROJECT

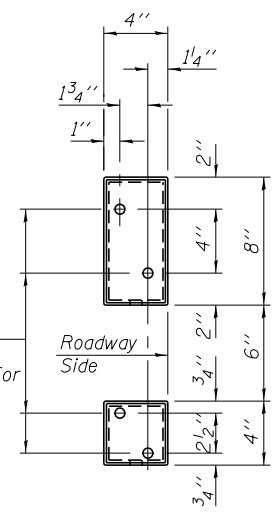
\* Cut bottom end of post to curb slope.



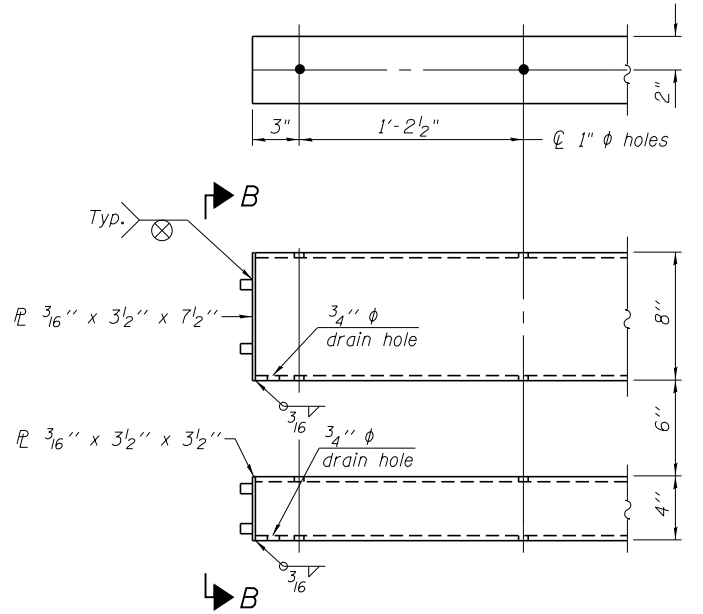
SECTION AT RAIL POST



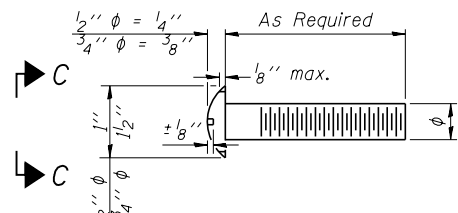
SECTION A-A



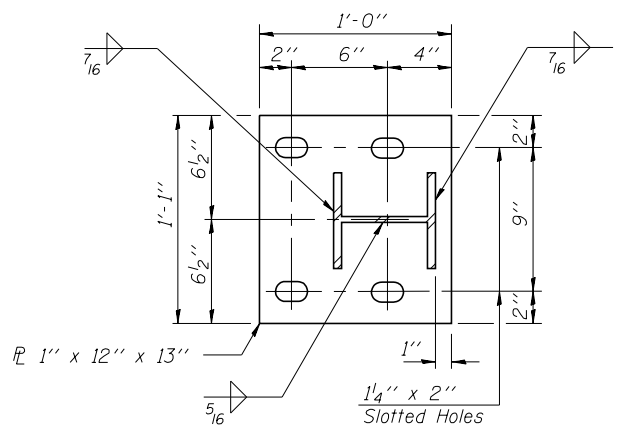
VIEW B-B



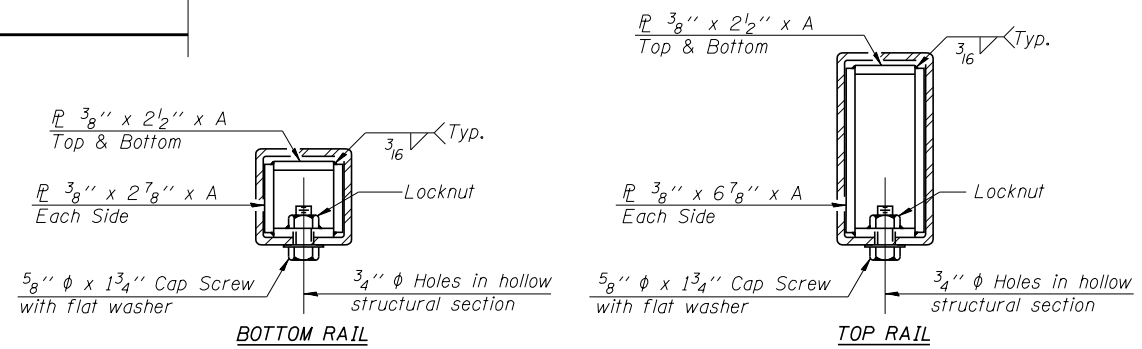
END OF RAIL DETAILS



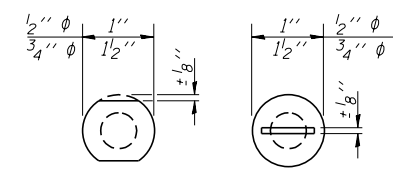
DETAIL OF 1/2"  $\phi$  & 3/4"  $\phi$  ROUND HEAD BOLTS



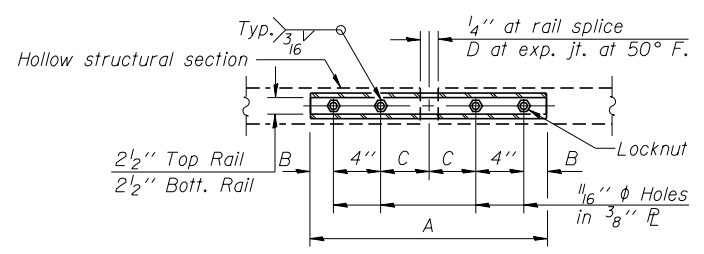
BASE PLATE DETAIL



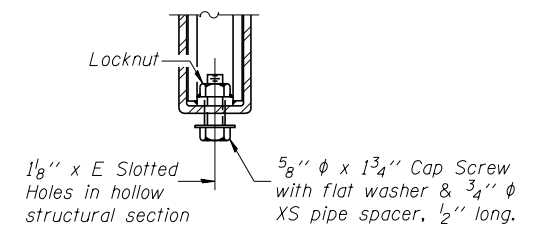
SECTIONS AT RAIL SPLICE



VIEW C-C



PLAN-BOTT. SPLICE R TYPICAL



RAIL SPLICE CONNECTION AT EXPANSION JT.

Notes:  
 All field drilled holes shall be coated with an approved zinc rich paint before erection.  
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.  
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.  
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.  
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	53

FILE NAME = 0412019-78148-006-RL.dgn  
 CB PROJECT NO. 07855-5

USER NAME = \*USER\*  
 DESIGNED GB  
 CHECKED RM  
 PLOT SCALE = \*SCALE\*  
 DRAWN MML  
 CHECKED MCB  
 PLOT DATE = 10/4/2012

DESIGNED GB  
 CHECKED RM  
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 REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

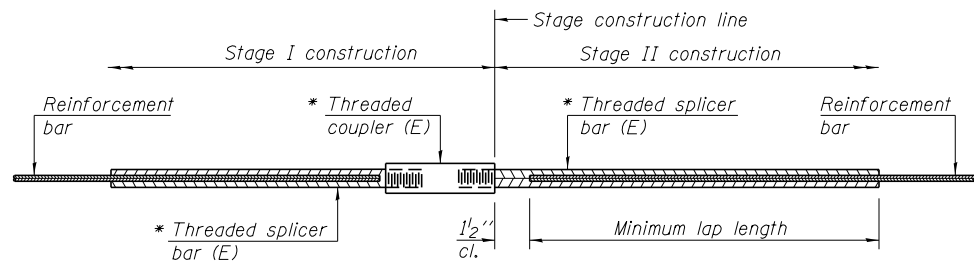
STEEL RAILING, TYPE 2399  
 STRUCTURE NO. 041-2019

SHEET NO. 6 OF 9 SHEETS

**CB** Coombe-Bloxdorf P.C.  
 - CIVIL ENGINEERS -  
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 - LAND SURVEYORS -  
 Design Firm License No. 184-002703

F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	27

CONTRACT NO. 78148  
 ILLINOIS FED. AID PROJECT



**STANDARD BAR SPLICER ASSEMBLY**

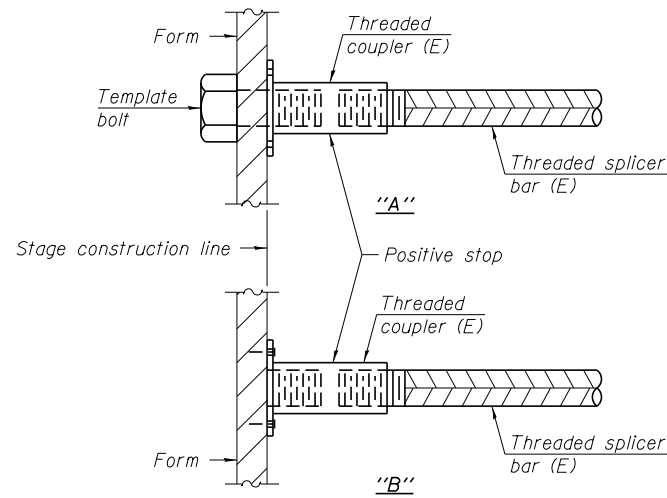
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

- 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
- Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1/2" + thread length

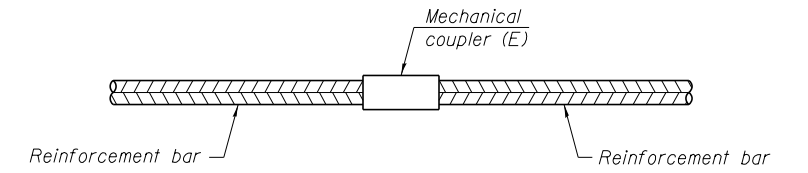
\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Top of Top Slab	#4	21	3
Bottom of Top Slab	#6	21	3
Top of Bottom Slab	#5	17	3
Bottom of Bottom Slab	#5	17	3
Sidewalls	#5	21	4



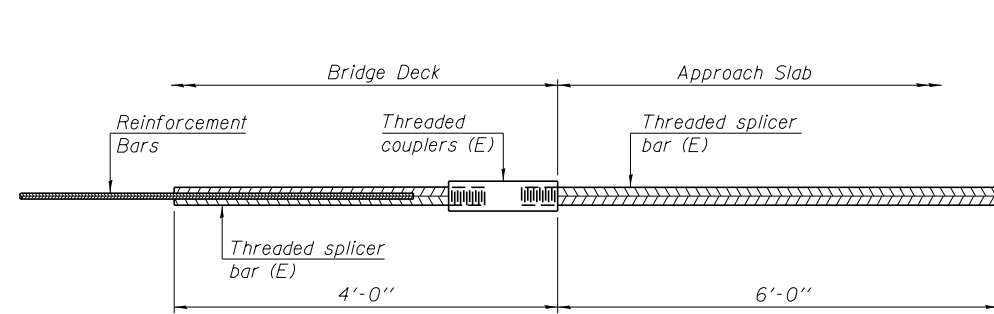
**INSTALLATION AND SETTING METHODS**

"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.



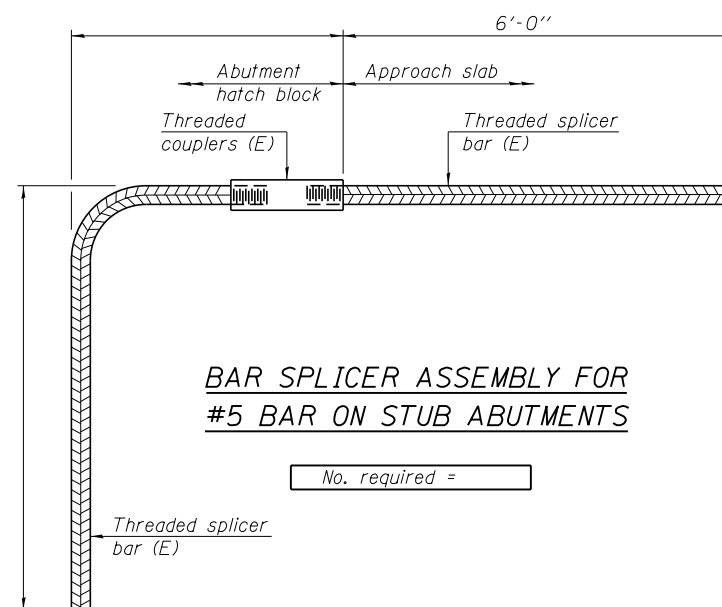
**STANDARD MECHANICAL SPLICER**

Location	Bar size	No. assemblies required



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

No. required =



**BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS**

No. required =

**NOTES**

Splicer bars shall be deformed with threaded ends 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.

BSD-1

7-1-10

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CB PROJECT NO. 07855-5	PLOT SCALE = *SCALE*	CHECKED RM	REVISED -
	PLOT DATE = 10/4/2012	DRAWN MML	REVISED -
		CHECKED MCB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS  
STRUCTURE NO. 041-2019

SHEET NO. 7 OF 9 SHEETS

**CB** Coombe-Bloxdorf P.C.  
 - CIVIL ENGINEERS -  
 - STRUCTURAL ENGINEERS -  
 - LAND SURVEYORS -  
 Design Firm License No. 184-002703

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	28

CONTRACT NO. 78148  
ILLINOIS FED. AID PROJECT

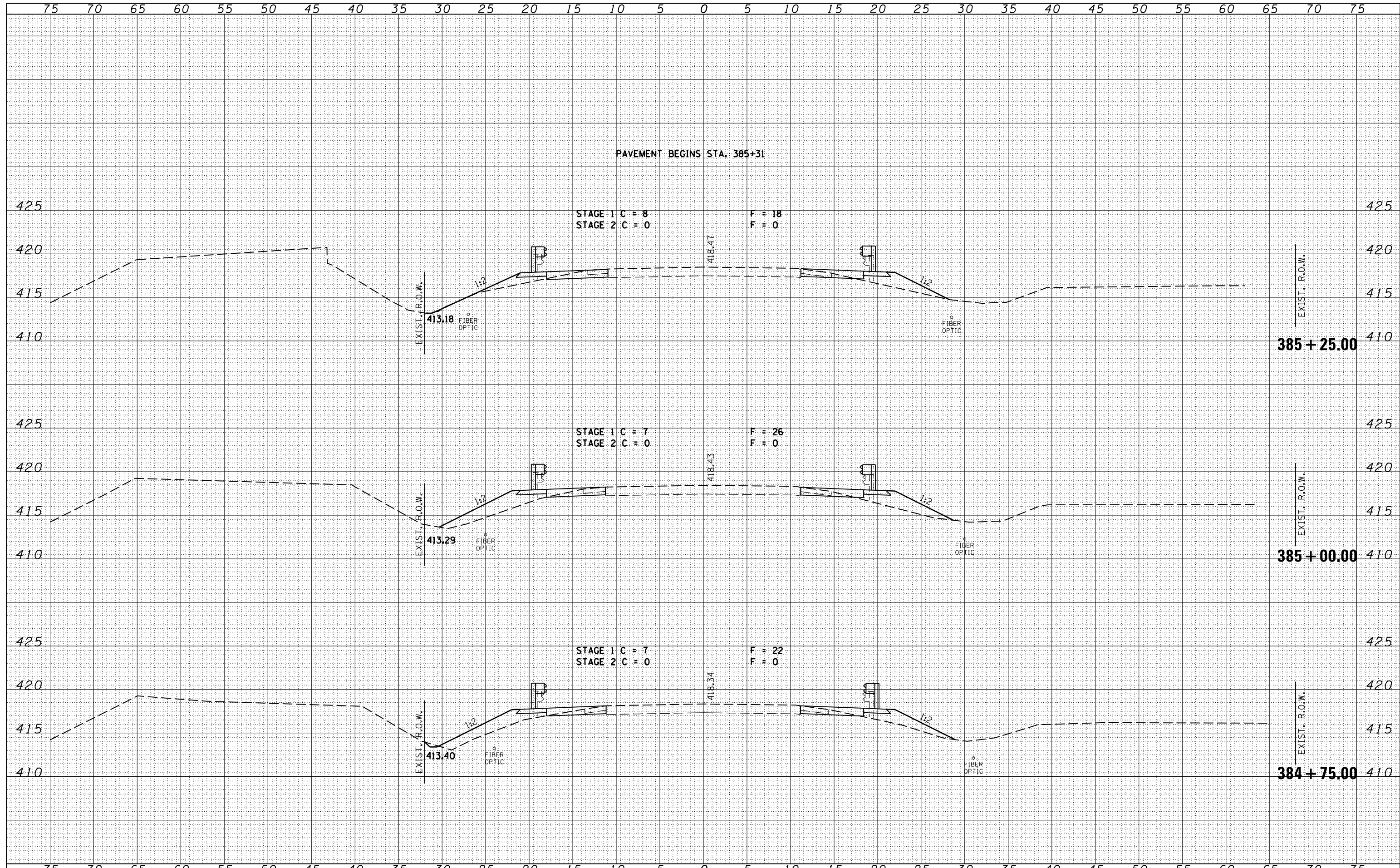






DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.000958	DRAWN - TWK	REVISED -		2869	2B-1	JEFFERSON	36	32		
PLOT SCALE = 10.0000' / in.	CHECKED - J.W.F.	REVISED -		SCALE: 5H:5V		SHEET NO. OF SHEETS		CONTRACT NO. 78148		
PLOT DATE = 10/12/2012	DATE - 10/04/12	REVISED -		STA. 384+75.00 TO STA. 385+25.00		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



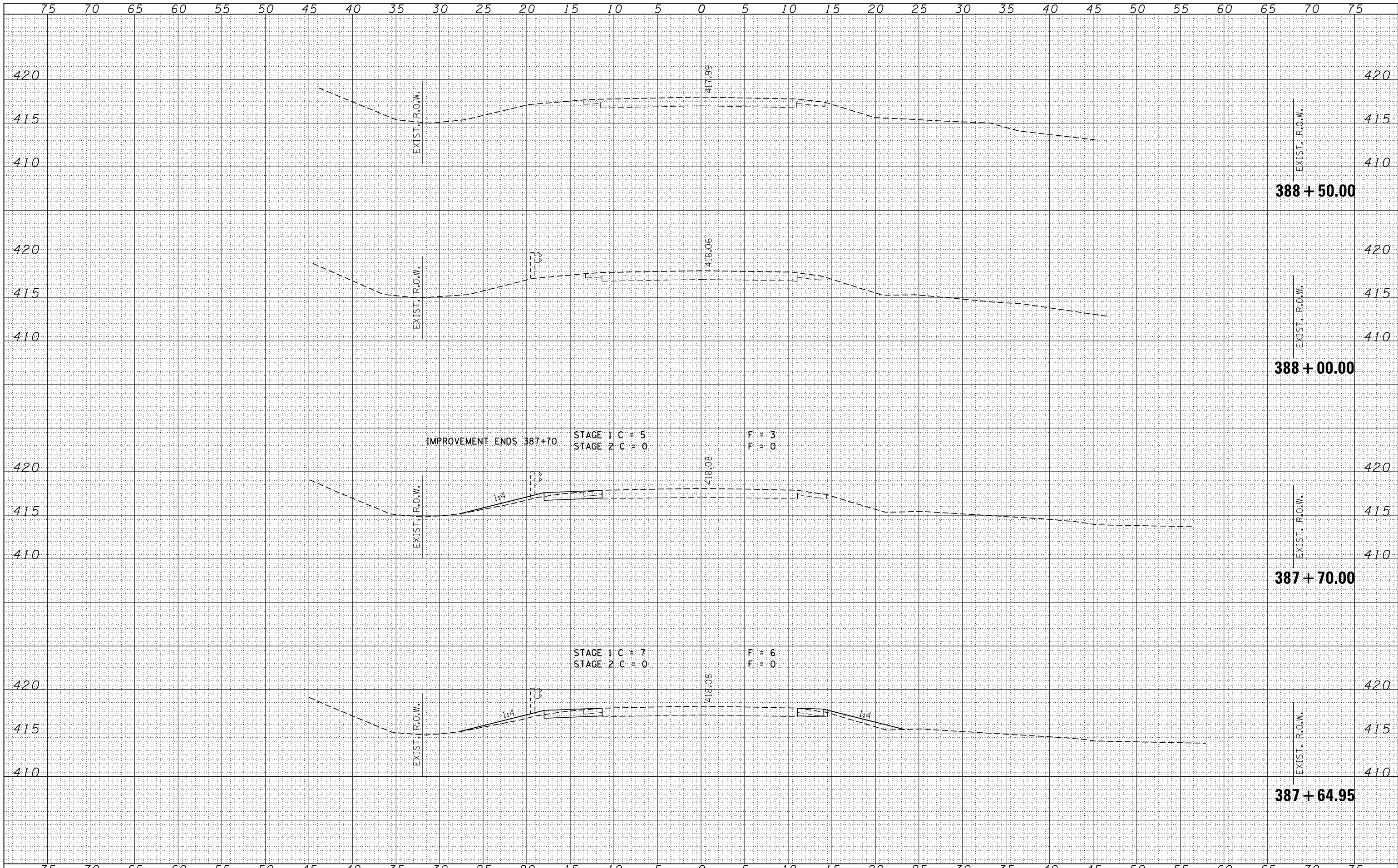






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FINAL SURVEY NO.	
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BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
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NOTE BOOK AREAS CHECKED	



FILE NAME = 0410092-sht-xs.dgn  
 HAMPTON, LENZINI AND RENWICK, INC.  
 3885 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 L.S. / P.E. / S.E. CORP. 184.000958

USER NAME = \*USERS\*  
 DESIGNED - L.F.S.  
 DRAWN - TWK  
 CHECKED - J.W.F.  
 DATE - 10/04/12

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL 37

SCALE: 5H:5V SHEET NO. OF SHEETS STA. 387+64.95 TO STA. 388+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2869	2B-1	JEFFERSON	36	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 78148	