04-26-13 LETTING ITEM 135

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	* 113	1
FED. ROAD DIST. NO. 2	ILLINOIS	CONTRACT NO. 64C17		

* 113 & 13=126

D-92-045-06

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP ROUTE 646 (IL 40)
SECTION 101 BR-3
PROJECT: ACBRF-ACF-0646(078)
BRIDGE REPLACEMENT
WHITESIDE COUNTY

C-92-091-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR STATE STANDARDS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION

OTHER PRINCIPAL ARTERIAL

2007 ADT = 8,500

2027 ADT = 11,000

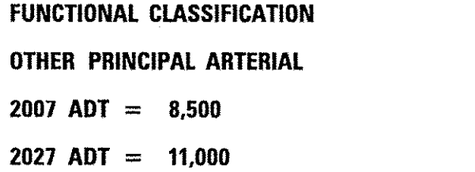
POSTED AND DESIGN SPEED LIMIT = 45 MPH

PROJECT /SECTION ENDS
STA. 637+00.00

STRUCTURE REMOVAL AND REPLACEMENT STA. 632+59.38
(EXISTING SN = 098-0015)
IL 40 OVER HENNEPIN CANAL FEEDER

PROJECT /SECTION BEGINS
STA. 628+50.00

IMPROVEMENT BEGINS
STA. 625+00.00



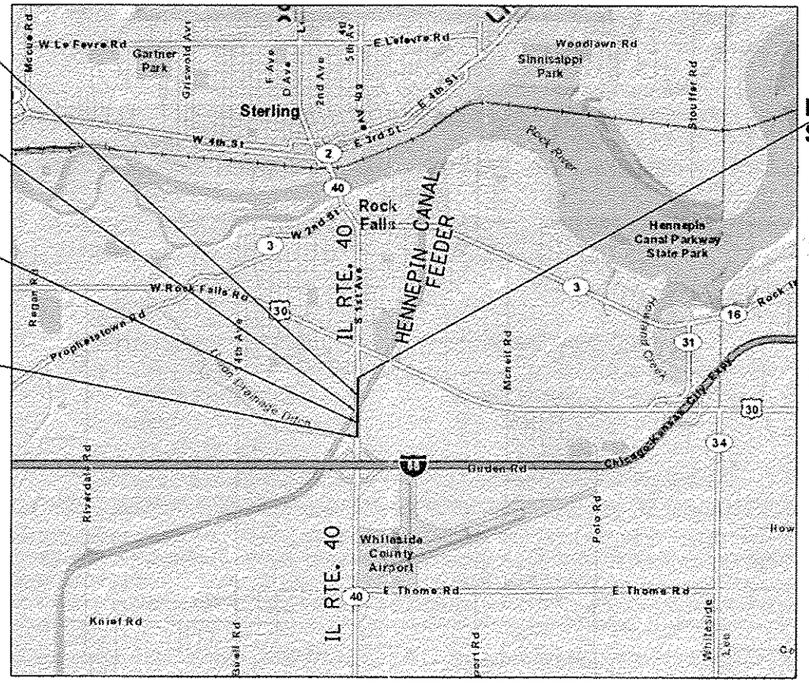
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

COLOMA TOWNSHIP, SECTION 33 & 34, MONTMORENCY TOWNSHIP, SECTION 3 & 4

PROJECT ENGINEER: BECKY MARRUFFO
PROJECT MANAGER DERRICK LOPEZ (815) 284-5930

CONTRACT NO. 64C17



LOCATION MAP

GROSS LENGTH = 850 FEET = 0.161 MILE

NET LENGTH = 850 FEET = 0.161 MILE

N

1" = 0.27 MILE

IMPROVEMENT ENDS
STA. 641+71.93

STRAND ASSOCIATES, INC.
IDFPR NO. 184001273

MARC A. GRIGAS
062-060836
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS
exp. 11/30/2013

MARC A. GRIGAS, P.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 1-56, 92-113

ANTHONY J. STANDISH
081-005819
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
exp. 11/2012

ANTHONY J. STANDISH, P.E., S.E.
THIS STAMP APPLIES TO
DRAWINGS NO. 57-91

LOCATION OF SECTION INDICATED THUS:-

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 16 2012
Paul Loeber
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 1 2013
John D. Baranzelli, P.E. for
acting ENGINEER OF DESIGN AND ENVIRONMENT

Feb 1 2013
Omer Osman, P.E. for
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Rev. 2-20-13

CONSULTANT: STRAND ASSOCIATES INC. (815) 744-4200 ANTHONY J. STANDISH, P.E., S.E. (815) 722-4200

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HIGHWAY STANDARDS

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⚠1 Rev. 2-20-13

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 10.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND STANDARDS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	2
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

1. THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2" DEEP) OF SOIL PROFILES OF LOCAL SOILS.

2. IT IS ESTIMATED THAT 905 CUBIC YARDS OF EARTH WILL BE HAULED TO THE JOB FROM OUTSIDE THE PROJECT LIMITS. A SHRINKAGE FACTOR OF 25 % HAS BEEN USED.

3. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

4. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.

5. PREVIOUSLY PUGMILLED STOCKPILES OF TYPE A OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.

6. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES	SURFACE COURSE	LEVELING BINDER	BINDER COURSE	SHOULDER SURFACE	SHOULDER BASE
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN=70	4.0% @ N DESIGN=70	4.0% @ N DESIGN=70	3.0% @ N DESIGN=50	2% @ N DESIGN=50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5 MM OR IL-12.5 MM	IL 9.5 MM OR IL 9.5 FG	IL 19.0 MM	IL-9.5 MM OR IL-12.5 MM	BAM OR IL 19.0
FRICTION AGGREGATE	D	N/A	N/A	C	N/A
20 YEAR ESAL	0.9	0.9	0.9	0.9	N/A

7. THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTIVITY, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

8. REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE EXISTING SURFACE PRIOR TO ANY RESURFACING, UNLESS PAVEMENT IS MILLED, THEN IT WILL BE PLACED ON THE BINDER COURSE.

9. TO HELP AVOID EXCESS DROP OFFS AT THE EDGE OF PAVEMENT, THE EXISTING AGGREGATE WEDGE OR SHOULDER IS TO BE PULLED UP AND ROLLED TO MATCH THE EDGE OF PAVEMENT BEFORE PLACING ANY BITUMINOUS MATERIAL. ALL COSTS ASSOCIATED WITH PULLING UP THE SHOULDERS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HOT MIX ASPHALT SURFACE COURSE OF THE TYPE SPECIFIED.

10. TWO APPLICATIONS OF BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR LEVELING BINDER (MACHINE METHOD) OF THE TYPE SPECIFIED.

11. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.

12. THIS STRUCTURE WILL RETAIN THE SAME NUMBER 098-0015.

13. THE ADDITIONAL THICKNESS OF PROPOSED PAVEMENT REQUIRED TO MATCH THE BRIDGE APPROACH PAVEMENT, SHOWN IN STANDARD 420401, SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND NOT PAID FOR SEPARATELY.

14. THE THICKNESS FOR THE BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) ADJACENT TO EXISTING PAVEMENT SHALL BE A MINIMUM OF 12". THE MATERIAL SHALL BE 1½" HOT-MIX ASPHALT SURFACE COURSE, AND THE REMAINING THICKNESS SHALL BE HOT-MIX ASPHALT BINDER COURSE.

15. REFLECTOR MARKERS TYPE B SHALL BE INSTALLED ON THE TOP OF BRIDGE PARAPET WALLS. THE MARKERS SHALL BE ACCORDING TO STANDARD 635011 AND THE COLOR AND SPACING ACCORDING TO STANDARD 635006, EXCEPT THE MINIMUM IS 2 PER SIDE.

16. CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

17. NOSES OF CURBED CORNER ISLANDS NOTED AS 1 & 2 ON HIGHWAY STANDARD 606301 SHALL BE RAMPED UNLESS THE CURB FUNCTION IS FOR THE PROTECTION OF PEDESTRIANS, SIGNALS, LIGHT STANDARDS OR SIGN TRUSS SUPPORTS.

18. USE M 6 CURB ON ISLANDS WHEN LOCATED ADJACENT TO A HIGHWAY WITH SPEEDS OF 45 MPH OR LESS.

19. ON LARGE AND INTERMEDIATE ISLANDS, THE VARIABLE CURB AND GUTTER FLAG WILL BE PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER TYPE M6.24.

20. THE CONTRACTOR SHALL INSTALL A 18" DIAMETER FORMED OPENING IN THE CONCRETE MEDIAN SURFACE OF THE ISLAND AS DIRECTED BY THE ENGINEER. ALSO, A 4" DIAMETER FORMED OPENING SHALL BE INSTALLED IN EACH CORNER OF THE ISLAND 1' BEHIND THE BACK OF CURB. ALL EXISTING PAVEMENT SURFACES OF OTHER EXISTING OBSTRUCTIONS BENEATH THESE OPENINGS SHALL BE REMOVED BY THE CONTRACTOR. AFTER THE MEDIAN IS IN PLACE THE 18" OPENING SHALL BE CORED DOWN 4' AND FILLED WITH DIRT. ALL COSTS INCURRED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN SURFACE, 4 INCH.

21. THE ISLANDS ON THIS PROJECT ARE LARGE ISLANDS AS SHOWN ON THE DETAIL OF ISLAND SHEET IN THE PLANS.

22. THE CONTRACTOR SHALL INSTALL 18" DIAMETER FORMED OPENINGS IN THE CONCRETE MEDIAN SURFACE, SPACED AT INTERVALS NO GREATER THAN 250', AND/OR AS DIRECTED BY THE ENGINEER. ALL EXISTING PAVEMENT SURFACES OR OTHER EXISTING OBSTRUCTIONS BENEATH THESE OPENINGS SHALL BE REMOVED BY THE CONTRACTOR. AFTER THE MEDIAN IS IN PLACE, CORE EACH OPENING DOWN 4' AND FILL WITH DIRT. ALL COSTS INCURRED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN SURFACE, 4 INCH.

23. THE EXCAVATED MATERIALS FROM EARTH EXCAVATION WIDENING, GRADING AND SHAPING DITCHES, AND EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AND SHOULDER WIDENING FOR TERMINALS AS SHOWN ON THE PLANS.

24. EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITIES FOR FURNISHED EXCAVATION.

25. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (FLARED).

26. ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE 1 SPECIALS.

27. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.

29. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
    1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
    2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
    3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.

30. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1 MILE OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.

31. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2. OPTION 2 WOULD BE TO INSTALL A VAULTED STYLE MONUMENT AS DESCRIBED BY NGS AS A 3D MONUMENT (TOP SECURITY SLEEVE ROD MONUMENT), WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE DISTRICT CHIEF OF SURVEYS. IF POURED IN PLACE, THE BOTTOM OF THE MARKER SHALL BE 5'-0" BELOW THE GROUND SURFACE.

32. THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT.

33. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE META DATA, SUCH AS THE GEOID USED, (NGS ADJUSTMENT IE: 97 HARN, 03, 07), AND THE BASE POINT(S) NAME OR NUMBER SHALL BE SUBMITTED ALONG WITH A COMPLETE COLLECTION LOG. IF COLLECTED USING RTK METHOD, IT WILL REQUIRE EITHER 3 COLLECTIONS (AVERAGED) FROM 2 DIFFERENT BASES, OR A MINIMUM OF 3 COLLECTIONS (AVERAGED), AT LEAST 2 HOURS APART, FROM THE SAME BASE. IF USING A CORS TYPE NETWORK, THE COLLECTION PROCEDURE SHALL INCLUDE LOCALIZING WITH CHECK SHOTS ON AT LEAST 2 DIFFERENT HARN MONUMENTS BOTH BEFORE AND AFTER COLLECTION. THE LEVEL CIRCUIT SHALL BE RUN FROM FURNISHED MARK TO FURNISHED MARK AND THEN ADJUSTED. THE ERROR OF CLOSURE SHALL BE SUBMITTED WITH THE ELECTRONIC LEVEL NOTES IN A RECOGNIZED FORMAT APPROVED BY THE ENGINEER AND/OR THE CHIEF OF SURVEYS. THE ENGINEER SHALL SUBMIT THIS

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	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	3
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

ELECTRIC	COMMONWEALTH EDISON COMPANY	MR. MICHAEL LENOX	815-490-2869
TELEPHONE	AT&T	MR. BILL CONOVER	309-686-3317
GAS	NICOR GAS COMPANY	MS. CONSTANCE LANE	630-983-8676
ELECTRIC	CITY OF ROCK FALLS	MR. DICK SIMON	815-622-1145
WATER	CITY OF ROCK FALLS	MR. TED PADILLA	815-622-1120
CATV	COMCAST CABLE	MR. MICHAEL OWENS	815-395-8977
TELEPHONE	NORLIGHT TELECOMMUNICATIONS	MS. LADON HALEY	812-456-1217
SEWER	CITY OF ROCK FALLS	MR EDWARD COX	815-622-1125
COMMUNICATIONS	LIGHTCORE	MR. JUSTIN FRENCH	636-887-4755
COMMUNICATIONS	G4S TECHNOLOGY, LLC	MR. ROBERT LUIF	630-739-0546

35. THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.

36. PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = AWARD DATE + 100 DAYS.

37. TIE BARS SHALL BE INSTALLED TO TIE PCC APPURTENANCE TO ADJACENT EXISTING CONCRETE PAVEMENT.

38. TIE THE FOLLOWING TO THE EXISTING LENGTH, SIZE, AND CONCRETE PAVEMENT SPACING OF TIE BARS

GUTTER OR CURB & GUTTER STD. 606001 24" LONG NO. 6 @ 24" CENTERS

PCC BASE COURSE STD. 353001 24" LONG NO. 6 @ 30" CENTERS

PCC PAVEMENT STD. 420101 24" LONG NO. 6 @ 30" CENTERS

39. TIE BARS TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 420.05(B) OF THE STANDARD SPECIFICATIONS. SEE HIGHWAY STANDARD 420001 FOR DETAIL ON LONGITUDINAL CONSTRUCTION JOINT GROUTED IN PLACE TIE BAR. THE COST OF THE TIE BARS TO BE INCLUDED IN THE COST OF THE PCC APPURTENANCE ADJACENT TO THE EXISTING PAVEMENT.

40. CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.

41. TEMPORARY IMPACT ATTENUATORS WILL BE MEASURED AS EACH FOR EACH ATTENUATOR SUPPLIED ON THE JOB AS SPECIFIED IN THE PLANS, AND SHALL INCLUDE THE COST OF RENTING/OWNING THE ATTENUATOR FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, TEMPORARY OF THE TYPE SPECIFIED.

42. RELOCATE TEMPORARY IMPACT ATTENUATORS WILL BE PAID FOR AS EACH AND WILL BE PAID FOR EACH TIME THE ATTENUATOR IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

43. THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. TEMPORARY CONCRETE BARRIER WILL BE MEASURED IN FEET ALONG THE CENTERLINE OF THE BARRIER AND SHALL INCLUDE THE COST OF RENTING/OWNING THE BARRIER FOR THE TIME REQUIRED ON THE JOB PLUS HAULING TO AND FROM THE PROJECT SITE, AS WELL AS ONE PLACEMENT AND REMOVAL FROM THE ROADWAY IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY CONCRETE BARRIER.

44. RELOCATE TEMPORARY CONCRETE BARRIER WILL BE PAID FOR IN FEET ALONG THE CENTERLINE OF THE BARRIER, AND WILL BE PAID FOR EACH TIME THE BARRIER IS REQUIRED BY STAGING TO BE PICKED UP AND MOVED TO A DIFFERENT LOCATION ON THE PROJECT, WHETHER IT IS TO ANOTHER LOCATION ON THE ROADWAY OR TO A STORAGE/STAGING LOCATION FOR THE PROJECT. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

45. ALL "AGGREGATE SUBGRADE IMPROVEMENT" (SECTION 303), SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLES 311.04, 311.05, 311.05(A), 311.06 AND 311.07. ALL AGGREGATE SUBGRADE THICKNESSES LESS THAN 12 INCHES SHALL BE CONSTRUCTED OF AGGREGATE OF CA02 GRADATION.

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USER NAME = dennisw	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	4
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

L2DE L1CE

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S.N. 098-0015
20200100	EARTH EXCAVATION	CU YD	865	865	
20400800	FURNISHED EXCAVATION	CU YD	620	620	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	448		448
20900110	POROUS GRANULAR BACKFILL	CU YD	250	250	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,401	4,401	
25000210	SEEDING, CLASS 2A	ACRE	1	1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	86	86	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	86	86	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	86	86	
25100115	MULCH, METHOD 2	ACRE	1	1	
25100630	EROSION CONTROL BLANKET	SQ YD	4,576	4,576	
25200100	SODDING	SQ YD	1,541	1,541	
25200200	SUPPLEMENTAL WATERING	UNIT	33	33	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	568	568	
28000400	PERIMETER EROSION BARRIER	FOOT	1,424	1,424	

+ SPECIALTY ITEM

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.8000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	5
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S.N. 098-0015
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	793	793	
30300104	AGGREGATE SUBGRADE IMPROVEMENT 4"	SQ YD	532	532	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,909	1,909	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2	2	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	122	122	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,576	1,576	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	140	140	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	346	346	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	194	194	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,780	4,780	
44000100	PAVEMENT REMOVAL	SQ YD	112	112	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,642	2,642	
44000600	SIDEWALK REMOVAL	SQ FT	938	938	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,765	1,765	
44200094	PAVEMENT PATCHING, TYPE II, 8 INCH	SQ YD	191	191	

15 + SPECIALTY ITEM

FILE NAME = S:\JOL\6388--8399\8346\825\Microstation\Sht\0264017-sht-S001.dgn

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PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	6
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S.N. 098-0015
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	325	325	
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	1,665	1,665	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD	82		82
50200100	STRUCTURE EXCAVATION	CU YD	1,313		1,313
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	448		448
50300225	CONCRETE STRUCTURES	CU YD	778		778
50300255	CONCRETE SUPERSTRUCTURE	CU YD	643		643
50300260	BRIDGE DECK GROOVING	SQ YD	1,307		1,307
50300300	PROTECTIVE COAT	SQ YD	1,431		1,431
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
50500505	STUD SHEAR CONNECTORS	EACH	6,480		6,480
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	270,270		270,270
50800515	BAR SPLICERS	EACH	941		941
50901720	BICYCLE RAILING	FOOT	400	400	

15
+ SPECIALTY ITEM

Rev.

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1170 SOUTH HOUBOLT ROAD
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(815) 744-4200

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PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	7
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S.N. 098-0015
51201600	FURNISHING STEEL PILES HP12X53	FOOT	4,701		4,701
51202305	DRIVING PILES	FOOT	4,701		4,701
51203600	TEST PILE STEEL HP12X53	EACH	2		2
51500100	NAME PLATES	EACH	1		1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	378		378
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	16		16
52100520	ANCHOR BOLTS, 1"	EACH	64		64
58700300	CONCRETE SEALER	SQ FT	3,921		3,921
59000200	EPOXY CRACK INJECTION	FOOT	100		100
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	409		409
60260100	INLETS TO BE ADJUSTED	EACH	4	4	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	2,245	2,245	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	4,000	4,000	
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	4,469	4,469	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	

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+ SPECIALTY ITEM

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(815) 744-4200

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PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	8
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S.N. 098-0015
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2	2	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2	
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	205	205	
63500105	DELINEATORS	EACH	4	4	
63801100	MODULAR BLADE-TYPE GLARE SCREENS	FOOT	380	380	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9	
67100100	MOBILIZATION	L SUM	1	1	
70100410	TRAFFIC CONTROL AND PROTECTION, STANDARD 701416	EACH	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	26,119	26,119	⚠1
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,658	1,658	⚠1
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6,743	6,743	

+ SPECIALTY ITEM

⚠1 Rev. 2-20-13

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200

USER NAME = vanessan | PLOT SCALE = 20.0000 '/ IN. | PLOT DATE = 10/15/2012

DESIGNED - VLF | DRAWN - DJW | CHECKED - MAG | DATE - 10-12-12

REVISED - | REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	9

CONTRACT NO. 64C17

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

Labeled 64C17 - 8.pdf

	CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S.N. 098-0015
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,250	2,250	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2,150	2,150	
†	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	14,520	14,520	
†	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	3,762	3,762	
†	78200410	GUARDRAIL MARKERS, TYPE A	EACH	12	12	
†	78200520	BARRIER WALL MARKERS, TYPE B	EACH	12	12	
†	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	3,820	3,820	
†	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	6	6	
	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	545		545
	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	1,705	1,705	
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	782	782	
	X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	8,490	8,490	
	X5121800	PERMANENT STEEL SHEET PILING	SQ FT	12,893		12,893
+	X8440110	RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE	EACH	1	1	

15

+ SPECIALTY ITEM

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USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

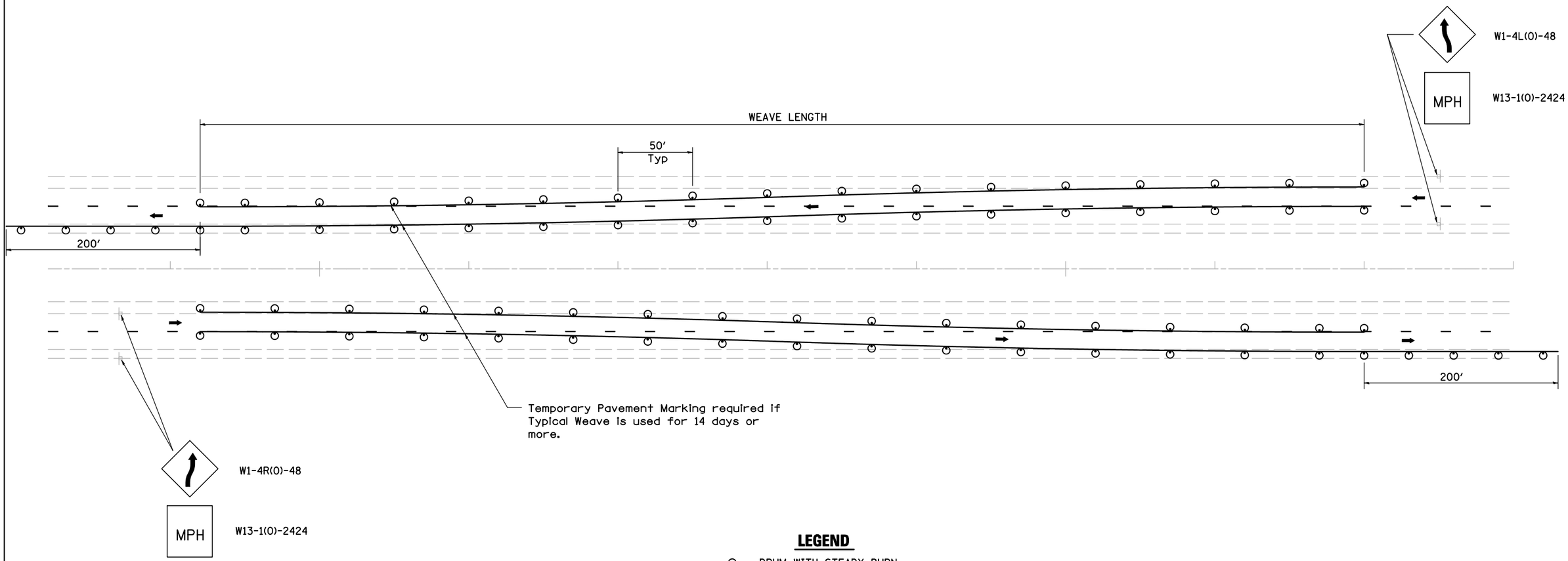
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	10
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL TYPICAL WEAVE



LEGEND

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- SIGN ON PERMANENT MOUNT

DESIGNER NOTE:

1. USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.
2. USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.
3. TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.
4. TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

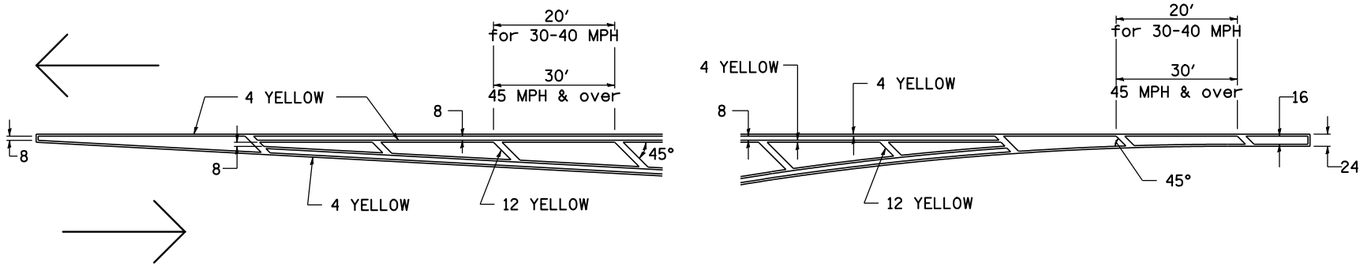
POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
65 MPH	45 MPH	780 FT.
55 MPH	35 MPH	660 FT.
45 MPH	25 MPH	540 FT.

ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

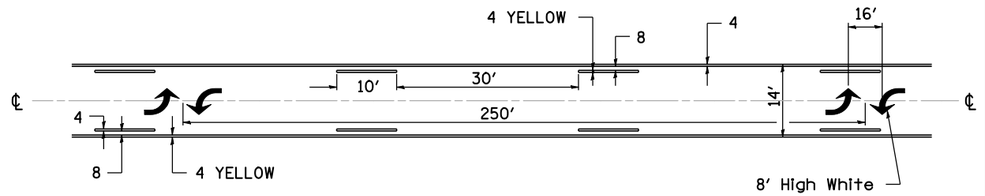
FILE NAME = S:\JOL\6300--6399\6346\025\Micros\Sht\D264C17-sht-districtdetails.dgn	USER NAME = dennisw	DESIGNED -	REVISED - 10-17-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					646	101 BR-3	WHITESIDE	113	100
	PLOT SCALE = 2.0000 ′ / IN.	CHECKED -	REVISED -							CONTRACT NO. 64C17		
	PLOT DATE = 10/12/2012	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

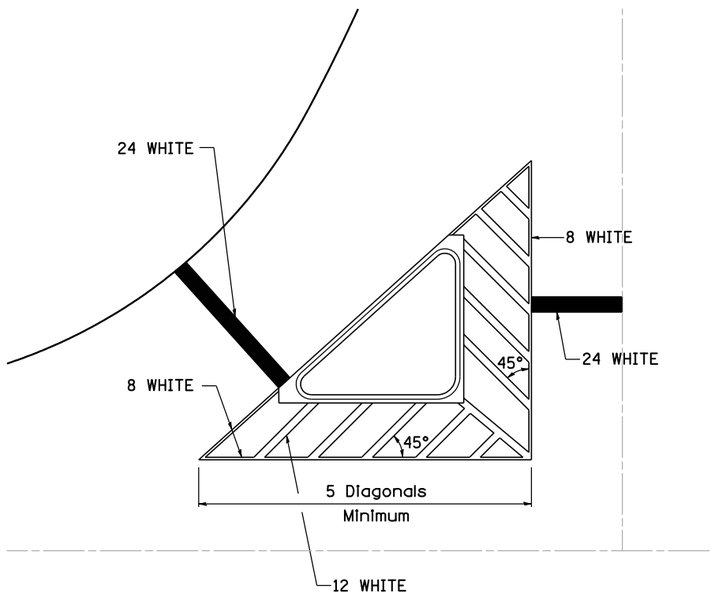


MEDIAN PAVEMENT MARKING

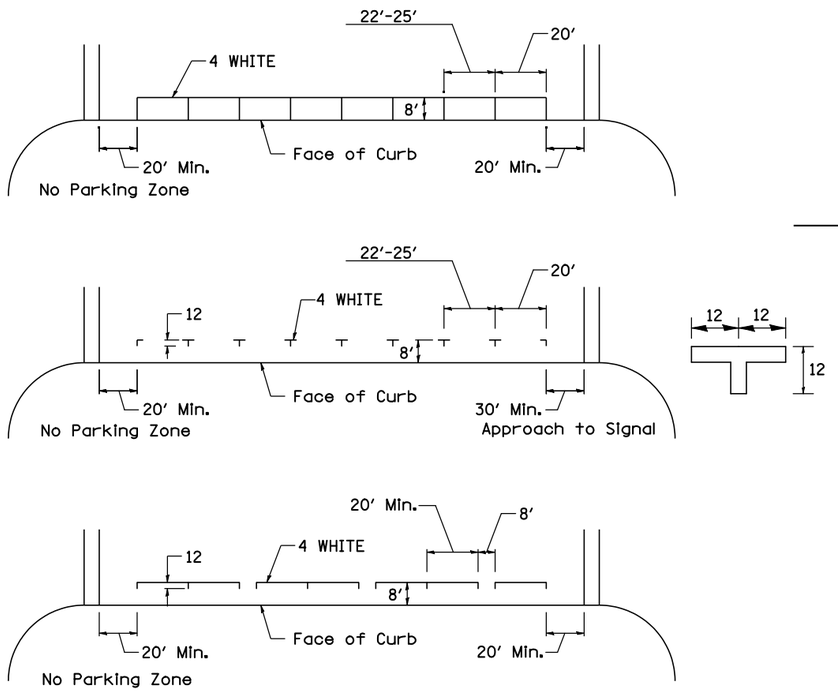


** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

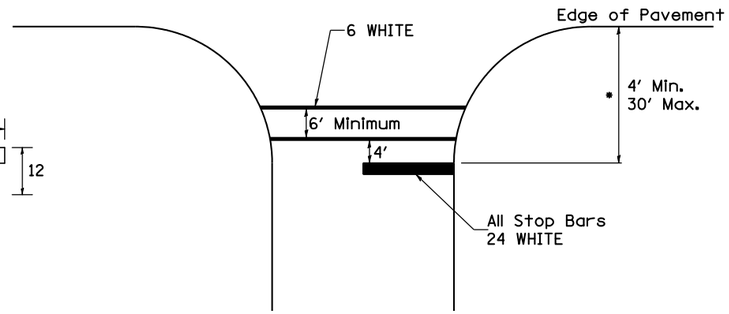


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

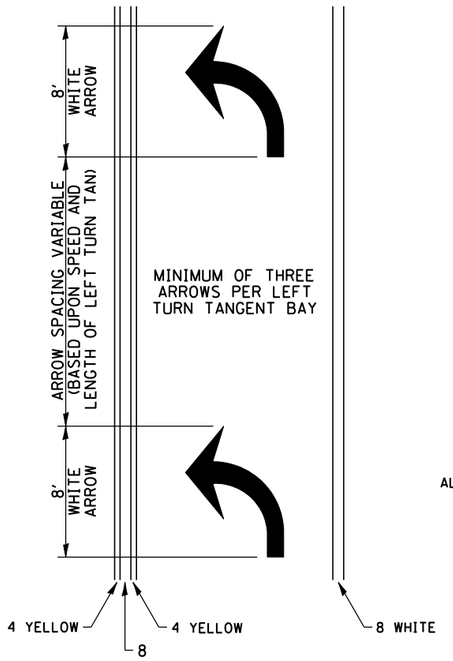


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = S:\JOL\6300--6399\6346\025\Micros\Sht\D264C17-sht-districtdetails.dgn	USER NAME = dennisw	DESIGNED -	REVISED - 3-5-12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			646	101 BR-3	WHITESIDE	113	101
	PLOT SCALE = 2.0000 ′ / IN.	CHECKED -	REVISED -					CONTRACT NO. 64C17		
	PLOT DATE = 10/12/2012	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT



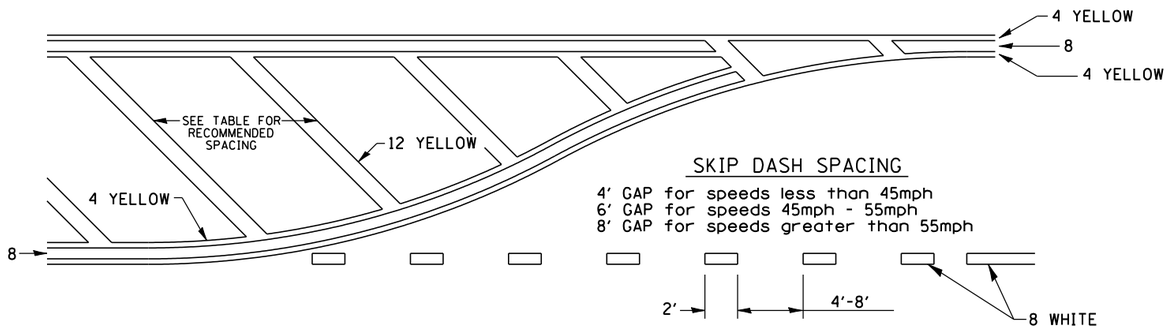
◀ ONE-WAY AMBER MARKER

◁ ONE-WAY CRYSTAL MARKER

◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



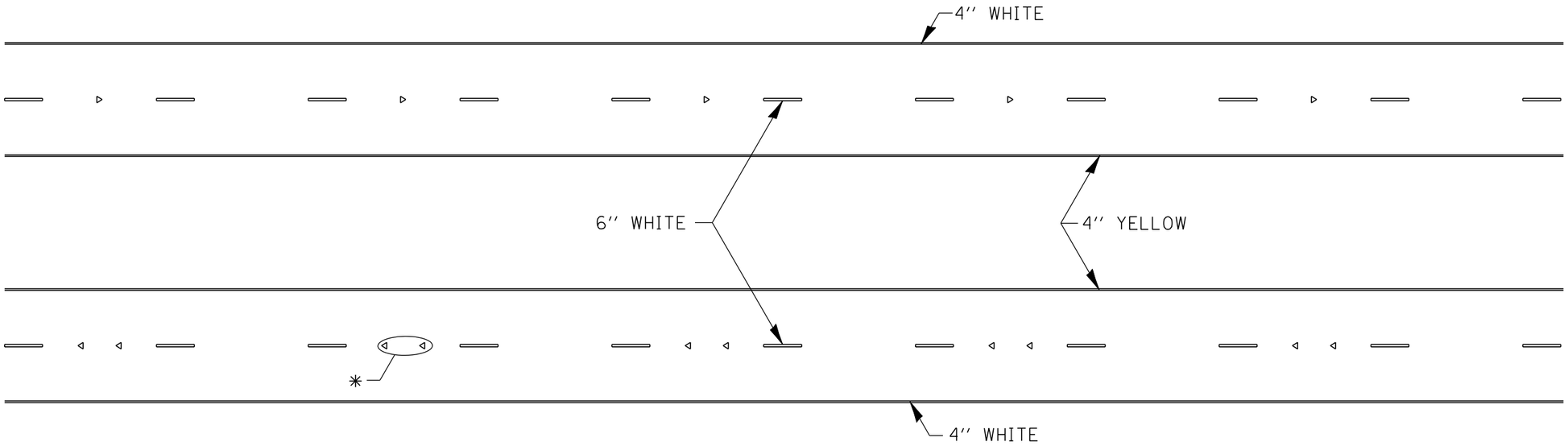
RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

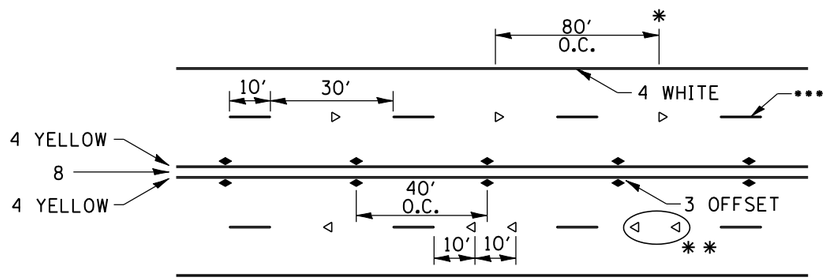
FILE NAME = S:\JOL\6300--6399\6346\025\Micros\Sht\D264C17-sht-districtdetails.dgn	USER NAME = dennisw	DESIGNED -	REVISED - 3-5-12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000 ' / IN.	DRAWN -	REVISED -			646	101 BR-3	WHITESIDE	113	102
	PLOT DATE = 10/12/2012	CHECKED -	REVISED -					CONTRACT NO. 64C17		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
  USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

MULTI–LANE / DIVIDED



SYMBOLS

* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

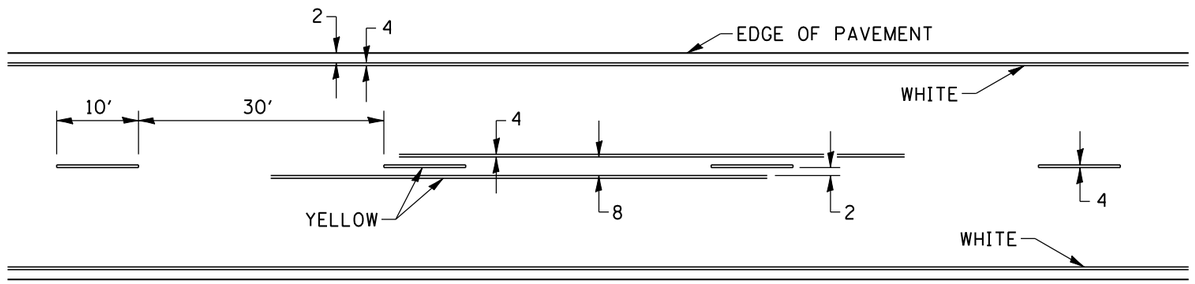
** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4'' LINE SPEED LIMIT 40 MPH AND OVER USE 6'' LINE

MULTI–LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



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	PLOT SCALE = 2.0000 ' / IN.	DRAWN -	REVISED -			646	101 BR-3	WHITESIDE	113	103
	PLOT DATE = 10/12/2012	CHECKED -	REVISED -					CONTRACT NO. 64C17		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

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

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

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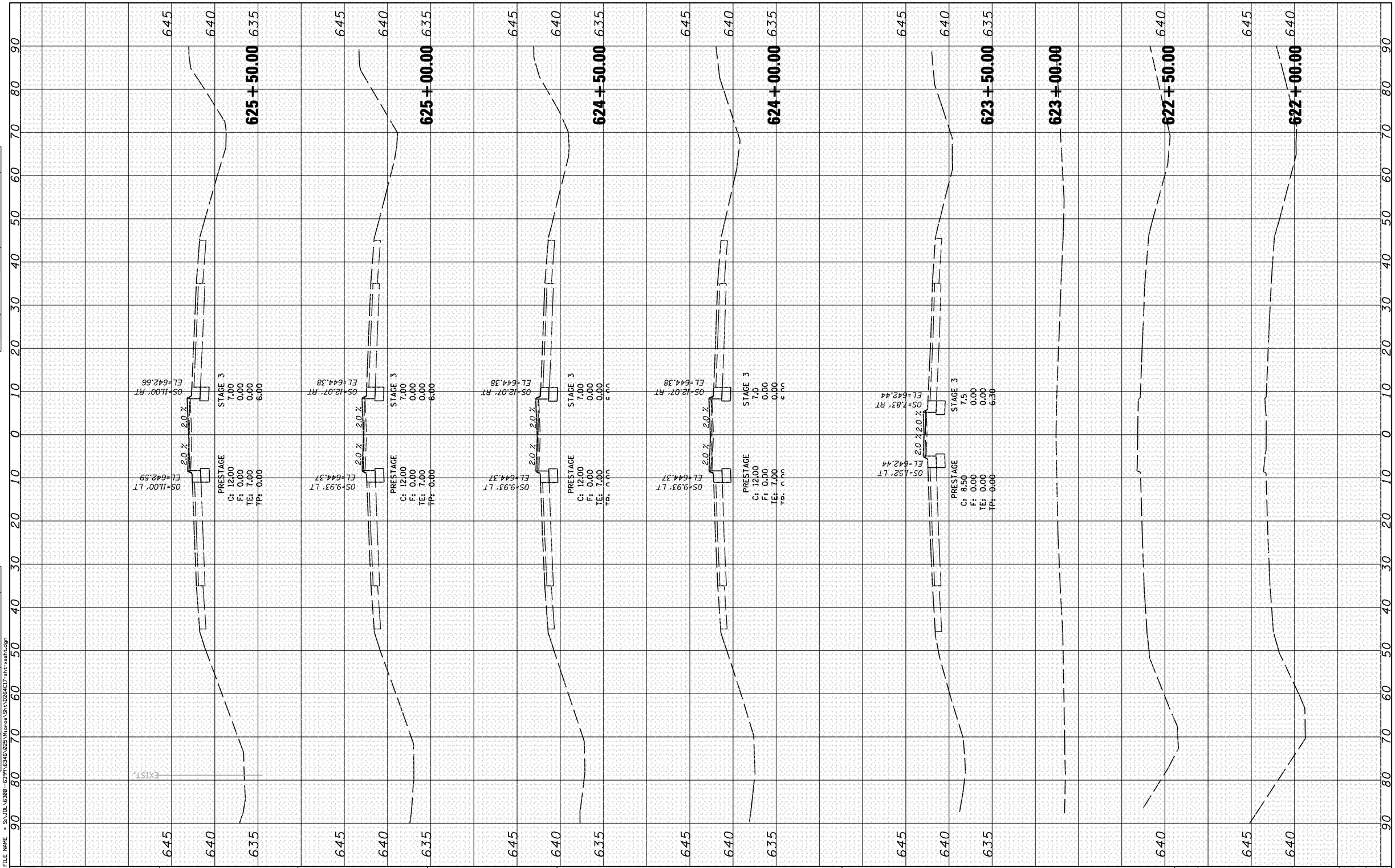

STRAND ASSOCIATES®	1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw MODEL NAME = Default PLOT SCALE = 20.0000 ' / IN. PLOT DATE = 10/12/2012	DESIGNED - VLF DRAWN - DJW CHECKED - MAG DATE - 10-12-12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 1 OF 8 SHEETS | STA. 622+00.00 TO STA. 625+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	104
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

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

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

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628+50.00

OS=47.05' RT
EL=643.42
4.6 %
OS=36.10' RT
EL=643.90
OS=24.35' RT
EL=644.12
2.1 %
NB PGL
OS=12.07' RT
EL=644.38
2.0 %
STAGE 1 STAGE 2 STAGE 3
C: 17.44 4.45 0.00
F: 0.00 0.00 8.69
TE: 0.00 0.25 8.15
TP: 0.00 0.00 5.7
OS=9.93' LT
EL=644.37
1.9 %
SB PGL
OS=22.31' LT
EL=644.12
OS=33.96' LT
EL=643.92
3.6 %
OS=44.74' LT
EL=643.52

628+00.00

OS=12.07' RT
EL=644.38
2.0 %
STAGE 3
7.00
0.00
0.00
6.00
OS=9.93' LT
EL=644.37
2.0 %
PRESTAGE
C: 12.00
F: 0.00
TE: 7.00
TP: 0.00

627+50.00

OS=11.00' RT
EL=643.79
2.0 %
STAGE 3
7.00
0.00
0.00
6.00
OS=11.00' LT
EL=643.76
2.0 %
PRESTAGE
C: 12.00
F: 0.00
TE: 7.00
TP: 0.00

627+00.00

OS=11.00' RT
EL=643.54
2.0 %
STAGE 3
7.00
0.00
0.00
6.00
OS=11.00' LT
EL=643.47
2.0 %
PRESTAGE
C: 12.00
F: 0.00
TE: 7.00
TP: 0.00

626+50.00

OS=11.00' RT
EL=643.21
2.0 %
STAGE 3
7.00
0.00
0.00
6.00
OS=11.00' LT
EL=643.16
2.0 %
PRESTAGE
C: 12.00
F: 0.00
TE: 7.00
TP: 0.00

626+00.00

OS=11.00' RT
EL=642.91
2.0 %
STAGE 3
7.00
0.00
0.00
6.00
OS=11.00' LT
EL=642.87
2.0 %
PRESTAGE
C: 12.00
F: 0.00
TE: 7.00
TP: 0.00

EXIST.

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

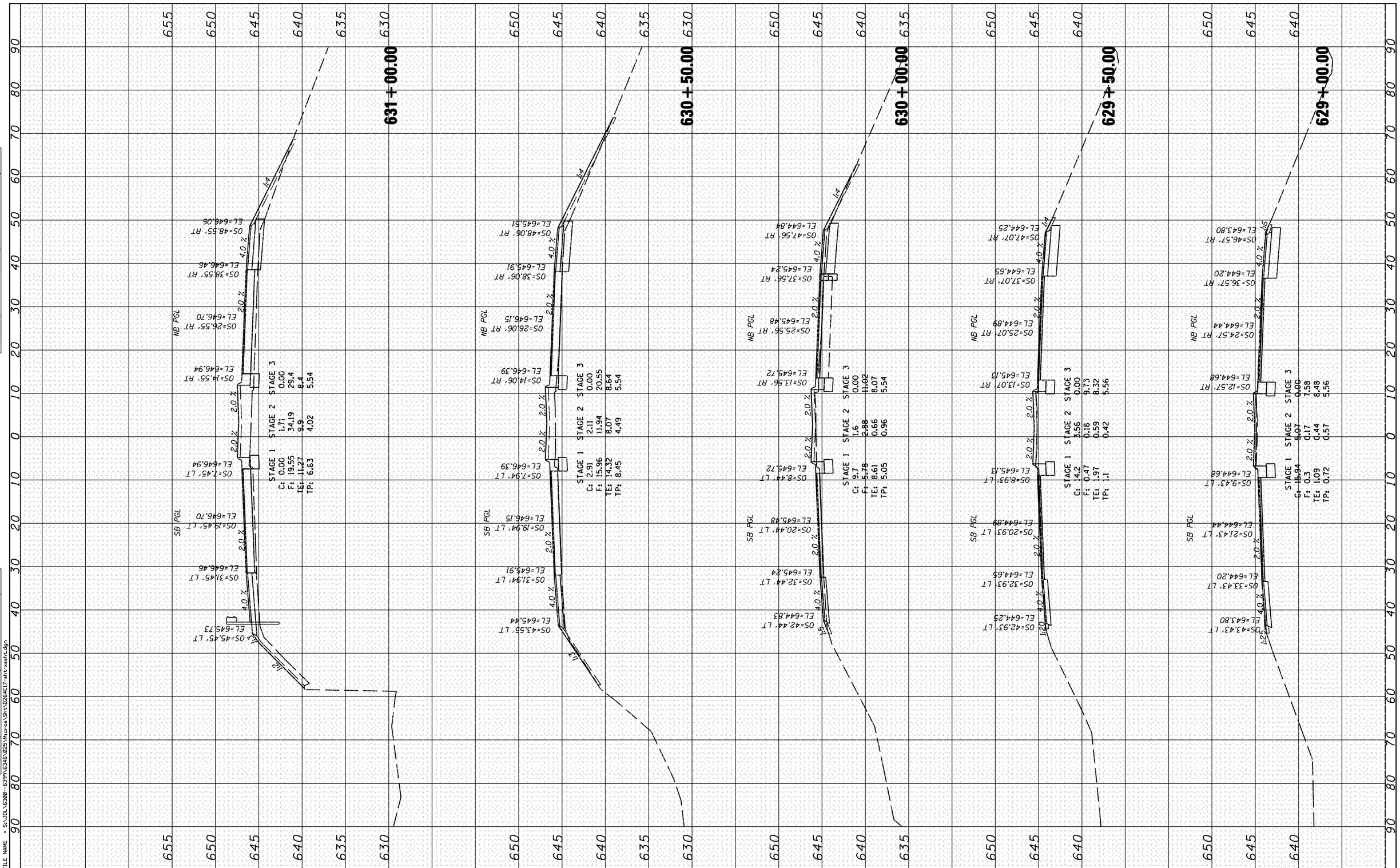
USER NAME = dennisw	DESIGNED - VLF	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 2 OF 8 SHEETS | STA. 626+00.00 TO STA. 628+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	105
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

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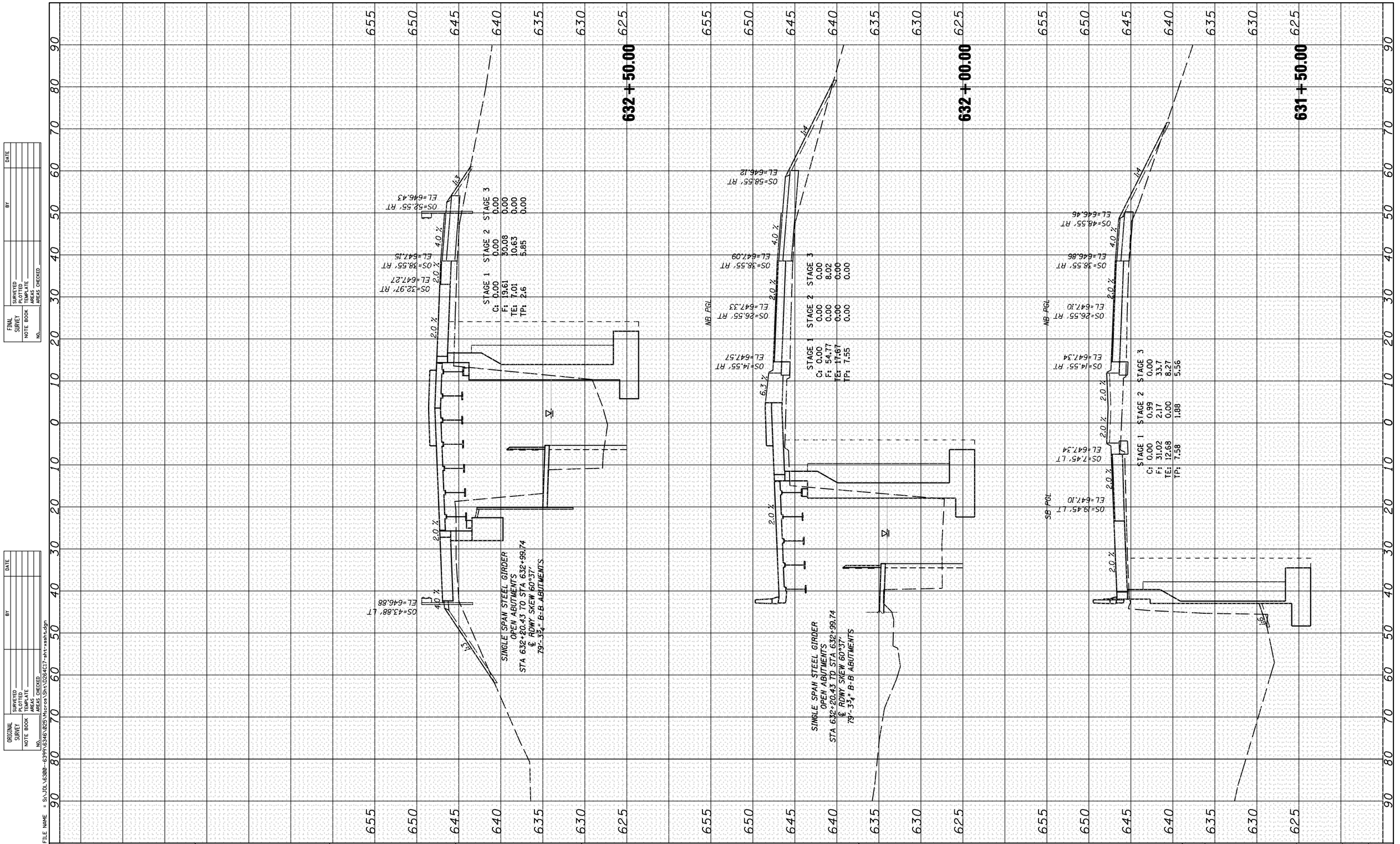
USER NAME = dennisw	DESIGNED - VLF	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 3 OF 8 SHEETS | STA. 629+00.00 TO STA. 631+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	106
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY

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

ORIGINAL SURVEY

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

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USER NAME = dennisw	DESIGNED - VLF	REVISED -	
MODEL NAME = Default	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 4 OF 8 SHEETS | STA. 631+50.00 TO STA. 632+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	107
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

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

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

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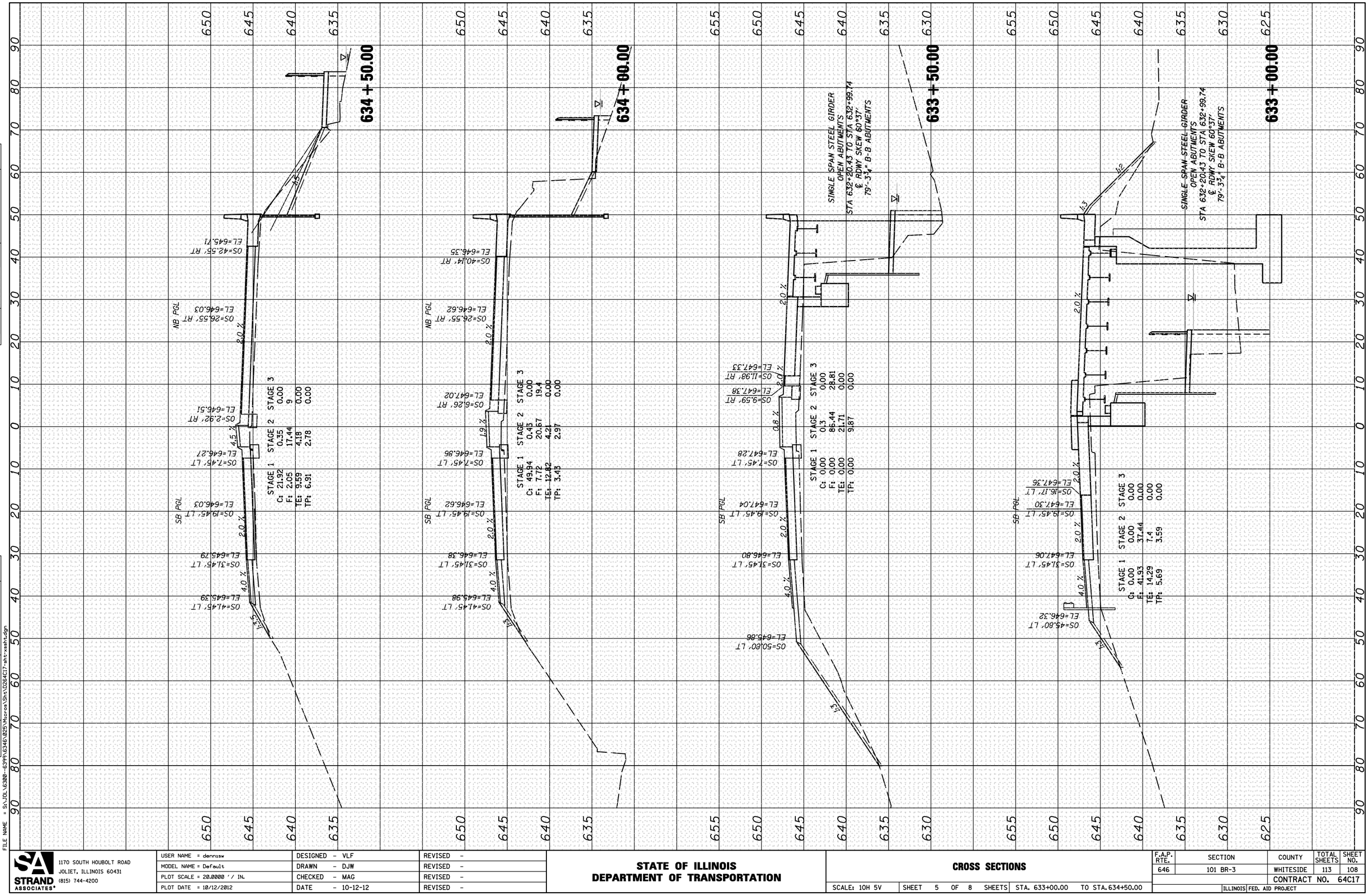

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -
	MODEL NAME = Default	DRAWN - DJW	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 5 OF 8 SHEETS | STA. 633+00.00 TO STA. 634+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	108
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

637+50.00

637+00.00

636+50.00

636+00.00

635+50.00

635+00.00

NB PGL

SB PGL

STAGE 1 STAGE 2 STAGE 3
C: 14.22 2.39 0.00
F: 0.00 0.00 0.00
TE: 0.74 0.45 0.00
TP: 0.00 0.00 0.00

STAGE 1 STAGE 2 STAGE 3
C: 14.22 2.39 0.00
F: 0.00 0.00 0.00
TE: 0.74 0.45 0.00
TP: 0.00 0.00 0.00

STAGE 1 STAGE 2 STAGE 3
C: 15.04 3.99 0.00
F: 0.39 0.00 2.53
TE: 0.17 0.38 0.00
TP: 0.27 0.34

STAGE 1 STAGE 2 STAGE 3
C: 11.58 1.91 0.00
F: 0.55 0.00 3.09
TE: 1.46 0.49 0.00
TP: 1.01 0.29

STAGE 1 STAGE 2 STAGE 3
C: 10.19 1.43 0.00
F: 3.39 4.36 4.06
TE: 5.25 1.3 0.00
TP: 2.99 1.05

STAGE 1 STAGE 2 STAGE 3
C: 2.53 0.54 0.00
F: 12.73 10.73 6.39
TE: 12.82 3.51 0.00
TP: 5.01 2.56

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

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

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JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 6 OF 8 SHEETS | STA. 635+00.00 TO STA. 637+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	109
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	ACF CONST. CODE 80% FED 20% STATE ROADWAY 0004	ACBRF CONST. CODE 80% FED 20% STATE BRIDGE 0011 S. N. 098-0015
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	80		80
Z0004552	APPROACH SLAB REMOVAL	SQ YD	834	834	
Z0004638	PAVEMENT BREAKING	SQ YD	1,739	1,739	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	50		50
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	3	3	
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	3	3	
Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	2,472		2,472
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	304		304
Z0062456	TEMPORARY PAVEMENT	SQ YD	1,705	1,705	
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,795		2,795

+ SPECIALTY ITEM

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	11
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

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

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

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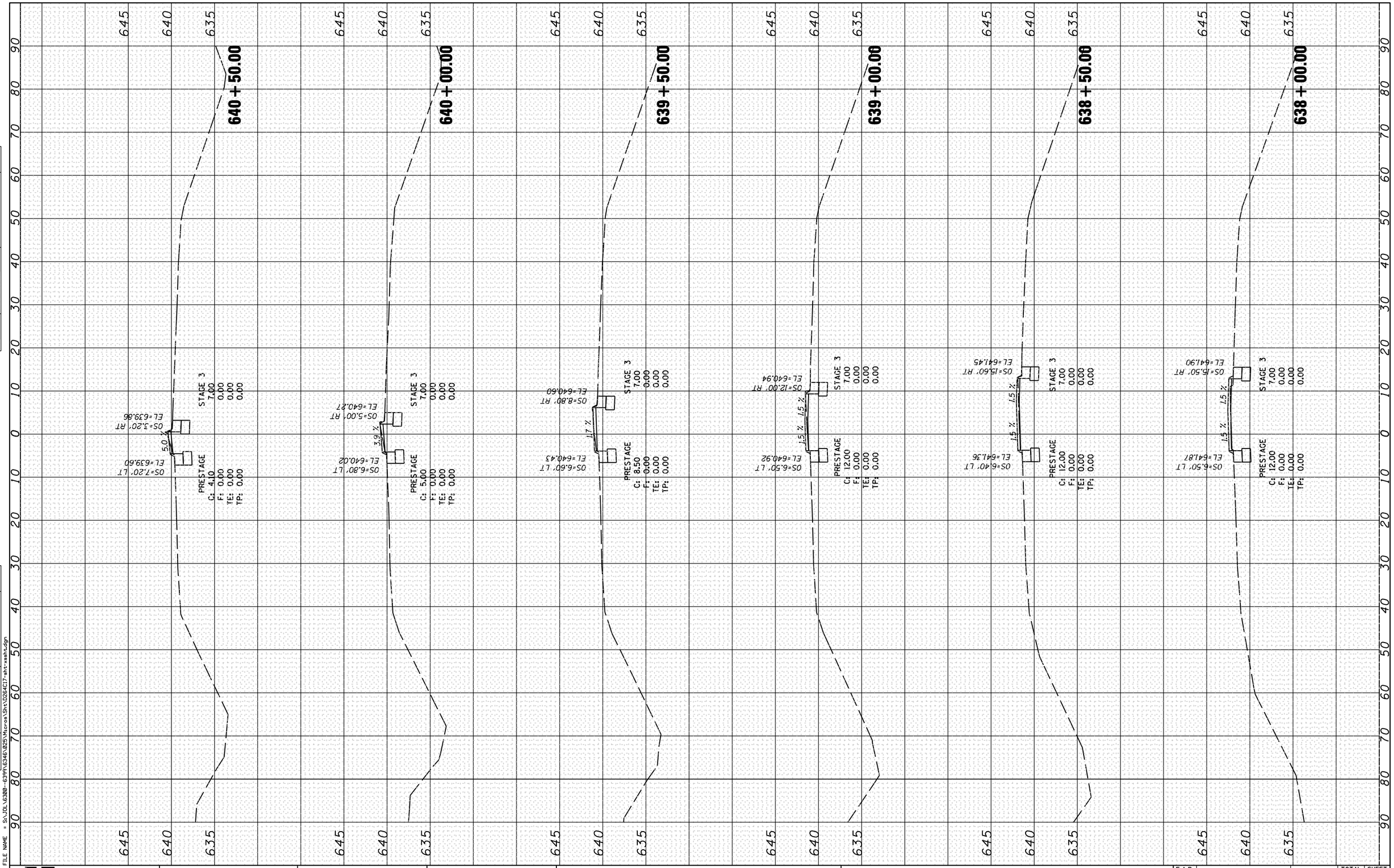

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -
	MODEL NAME = Default	DRAWN - DJW	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 7 OF 8 SHEETS | STA. 638+00.00 TO STA. 640+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	110
		CONTRACT NO. 64C17		
	ILLINOIS	FED. AID PROJECT		

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

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

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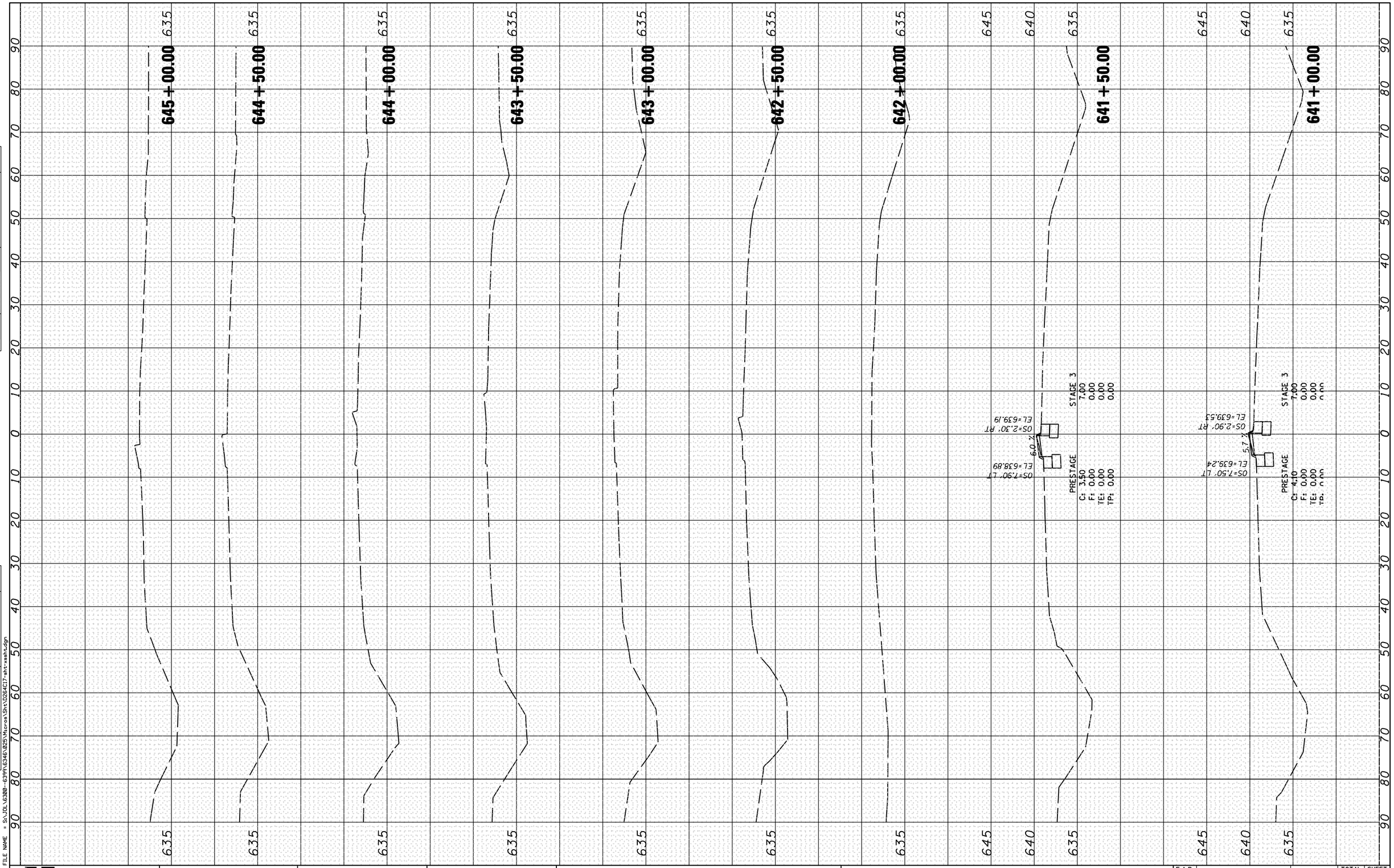

USER NAME = dennisw	DESIGNED - VLF	REVISED -	
MODEL NAME = Default	DRAWN - DJW	REVISED -	
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

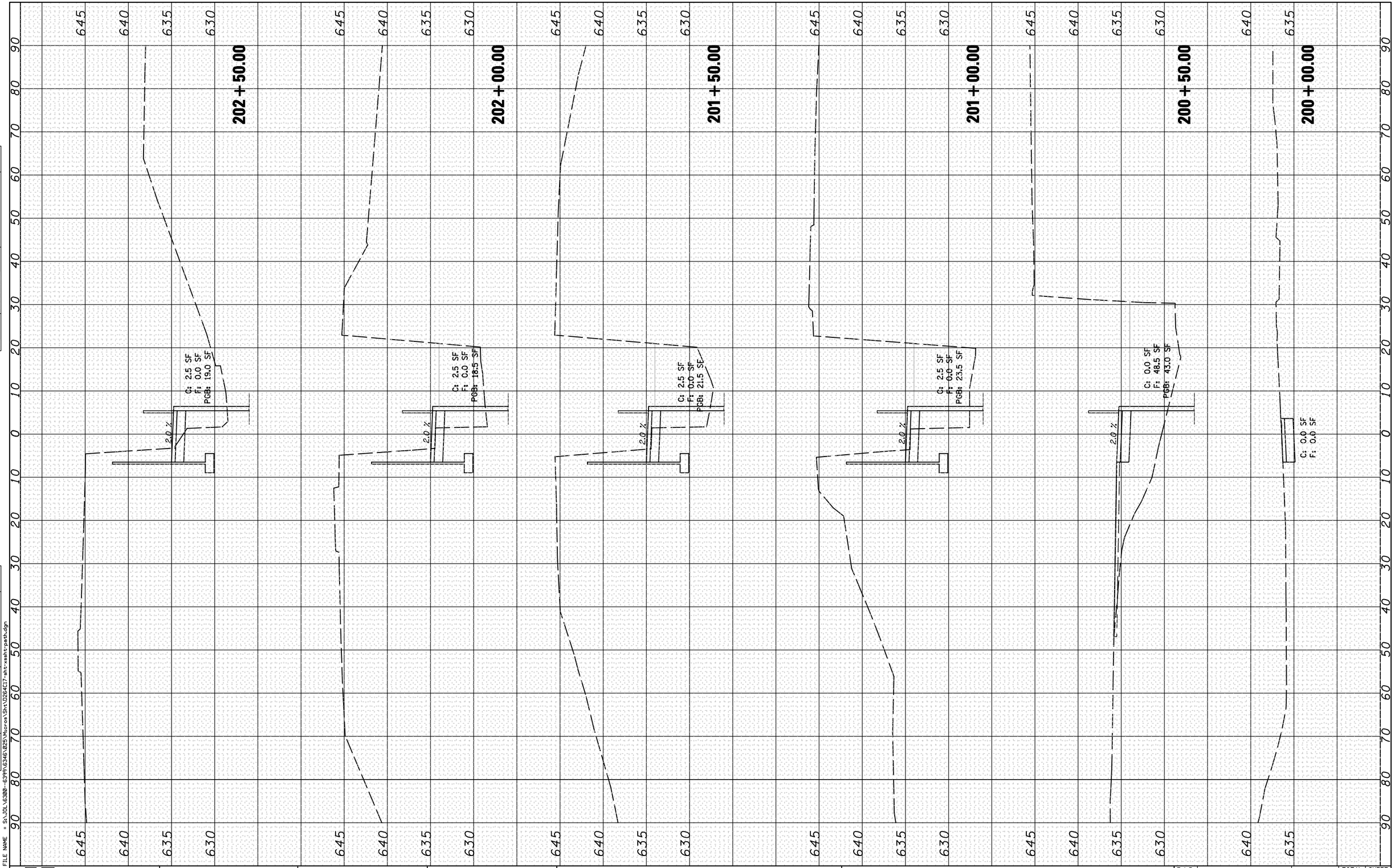
CROSS SECTIONS

SCALE: 10H 5V | SHEET 8 OF 8 SHEETS | STA. 641+00.00 | TO STA. 645+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	111
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

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

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



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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
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USER NAME = dennisw	DESIGNED - VLF	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 10H 5V | SHEET 1 OF 2 SHEETS | STA. 200+00.00 TO STA. 202+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	112
		CONTRACT NO. 64C17		
	ILLINOIS	FED. AID PROJECT		

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

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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NO.	TEMPLATE		
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JOLIET, ILLINOIS 60431
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USER NAME = vanessam
MODEL NAME = Default
PLOT SCALE = 20.0000 ' / IN.
PLOT DATE = 10/15/2012

DESIGNED - VLF
DRAWN - DJW
CHECKED - MAG
DATE - 10-12-12

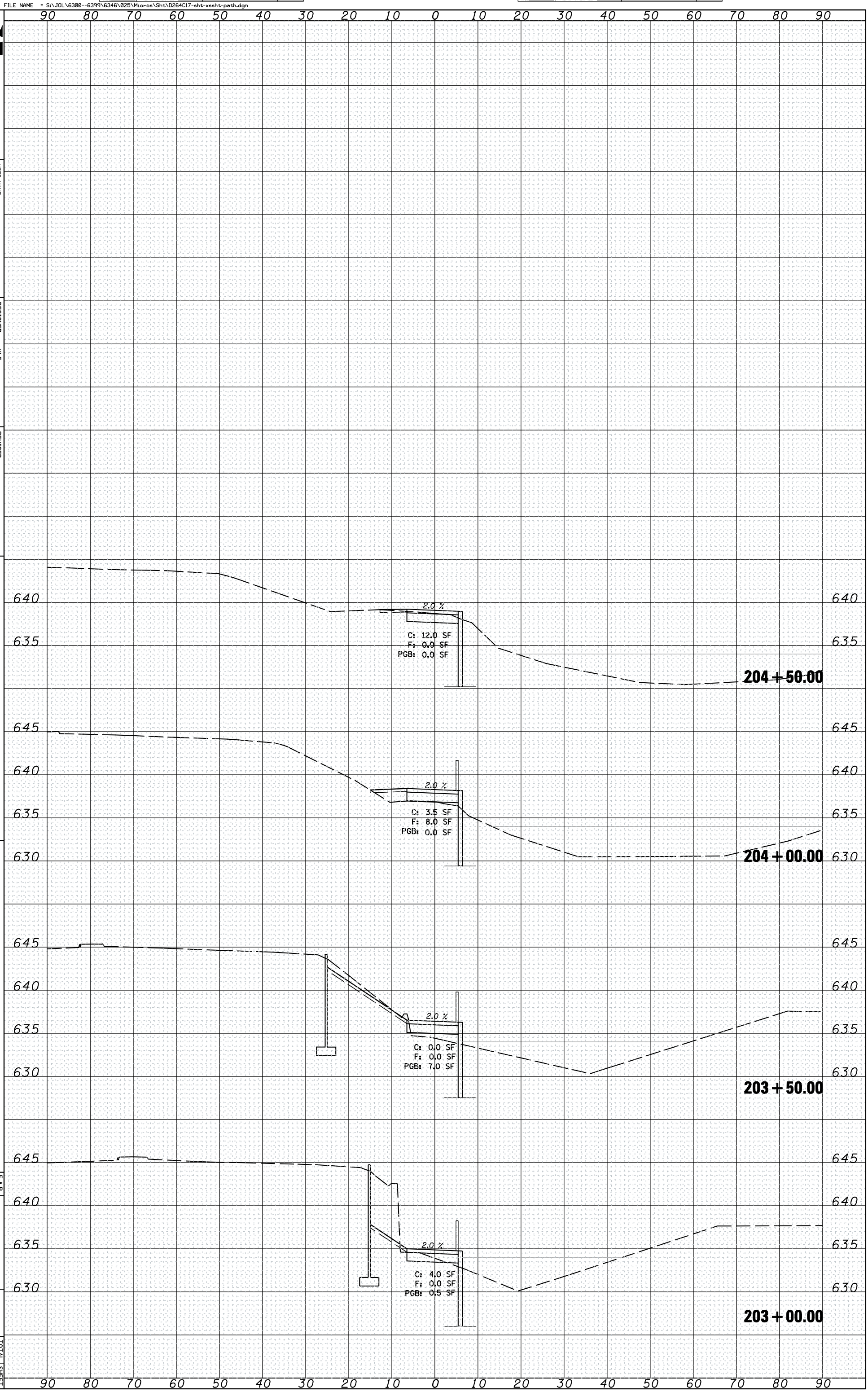
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

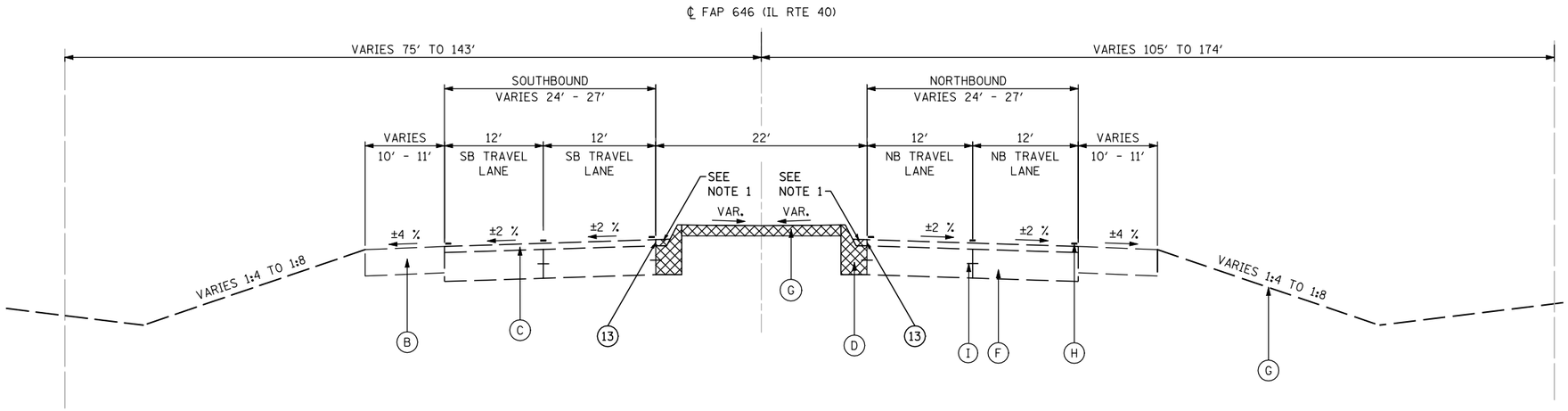
CROSS SECTIONS

SCALE: 10H 5V

SHEET 2 OF 2 SHEETS STA. 203+00.00 TO STA. 204+50.00

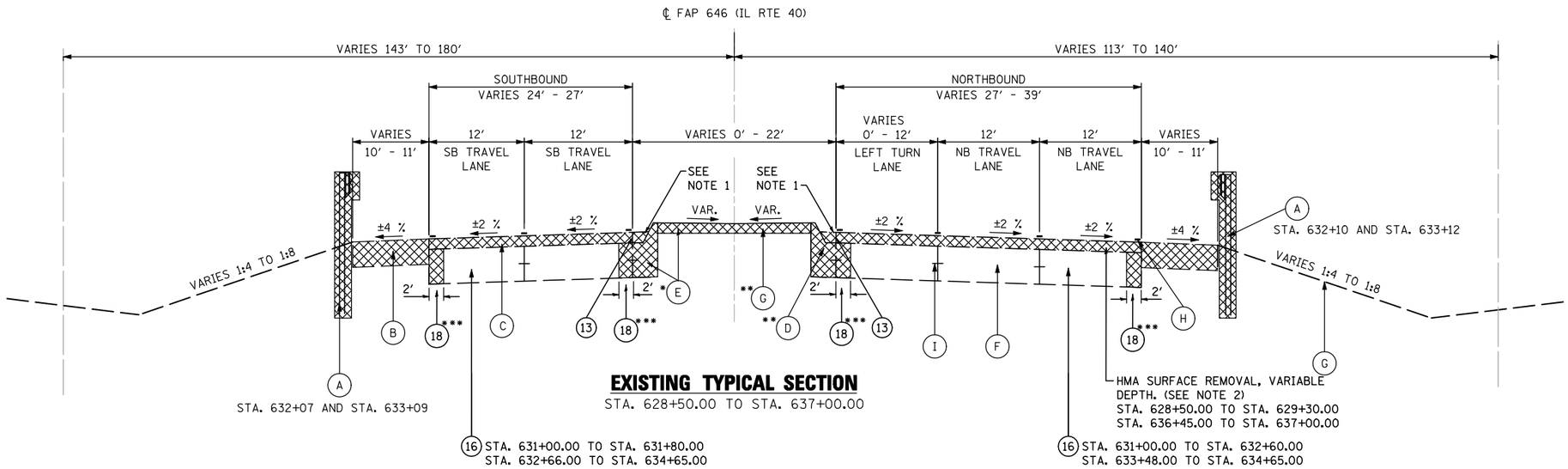


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	113
ILLINOIS FED. AID PROJECT		CONTRACT NO. 64C17		



EXISTING TYPICAL SECTION

STA. 625+00.00 TO STA. 628+50.00



EXISTING TYPICAL SECTION

STA. 628+50.00 TO STA. 637+00.00

* STA. 631+92.14 TO STA. 632+17.30
STA. 632+95.14 TO STA. 636+70.10

** STA. 628+50.00 TO STA. 631+92.14

*** STA. 628+50.00 TO STA. 631+00.00

EXISTING LEGEND

- (A) EXISTING GUARDRAIL
- (B) EXISTING HMA SHOULDER
- (C) EXISTING HMA SURFACE COURSE
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING CONCRETE MEDIAN
- (F) EXISTING PCC PAVEMENT
- (G) EXISTING GROUND
- (H) EXISTING PAVEMENT MARKING
- (I) TIE BARS
- REMOVAL ITEMS

PROPOSED LEGEND

- (1) TOPSOIL FURNISH AND PLACE, 4″
- (2) SEEDING, CLASS 2A
- (3) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12″
- (5) LEVELING BINDER (MACHINE METHOD), N70 (112 LBS/SY-IN)
- (6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (112 LBS/SY-IN)
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX ″C″, N50 (112 LBS/SY-IN)
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N70 (112 LBS/SY-IN)
- (9) HOT-MIX ASPHALT SHOULDERS, 6½″
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (11) CONCRETE MEDIAN SURFACE, 4 INCH
- (12) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), 2, 5, OR 6
- (13) SAW CUTS (INCIDENTAL TO C&G REMOVAL AND ISLAND REMOVAL)
- (14) TIE BARS
- (15) BITUMINOUS MATERIALS (PRIME COAT)
- (16) PAVEMENT BREAKING
- (17) AGGREGATE SUBGRADE IMPROVEMENT
- (18) PAVEMENT REMOVAL

NOTES:

1. REMOVAL OF EXISTING HMA SURFACE COURSE ON TOP OF EXISTING GUTTER PAN SHALL BE INCIDENTAL TO CURB AND GUTTER REMOVAL AND ISLAND REMOVAL.
2. THE EXISTING HMA SURFACE SHALL BE REMOVED TO THE EXISTING SURFACE OF THE PCC PAVEMENT AND THEN TAPER TO THE EXISTING HMA SURFACE AT A POINT WHERE A TOTAL OF 3¾″ OF HMA PAVEMENT CAN BE PLACED BETWEEN THE PROPOSED PROFILE AND EXISTING HMA PAVEMENT SURFACE. REFER TO HMA SURFACE REMOVAL, VARIABLE DEPTH DETAIL

FILE NAME = S:\JOL\6300-6399\6346\025\Micros\Sht\0256C17-sht-typical.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ′ / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

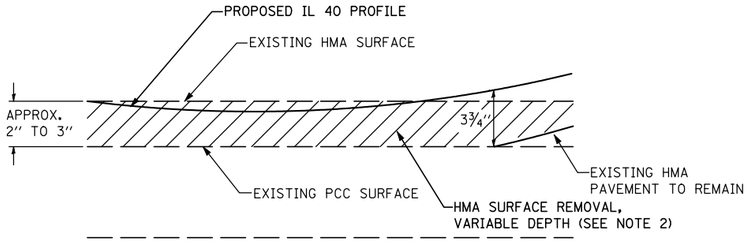
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET 1 OF 5 SHEETS | STA. | TO STA.

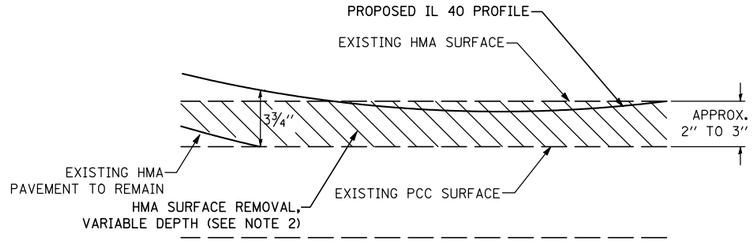
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	12
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT



HMA SURFACE REMOVAL, VARIABLE DEPTH DETAIL

APPROXIMATE STATIONS
STA. 628+50.00 TO STA. 629+30.00

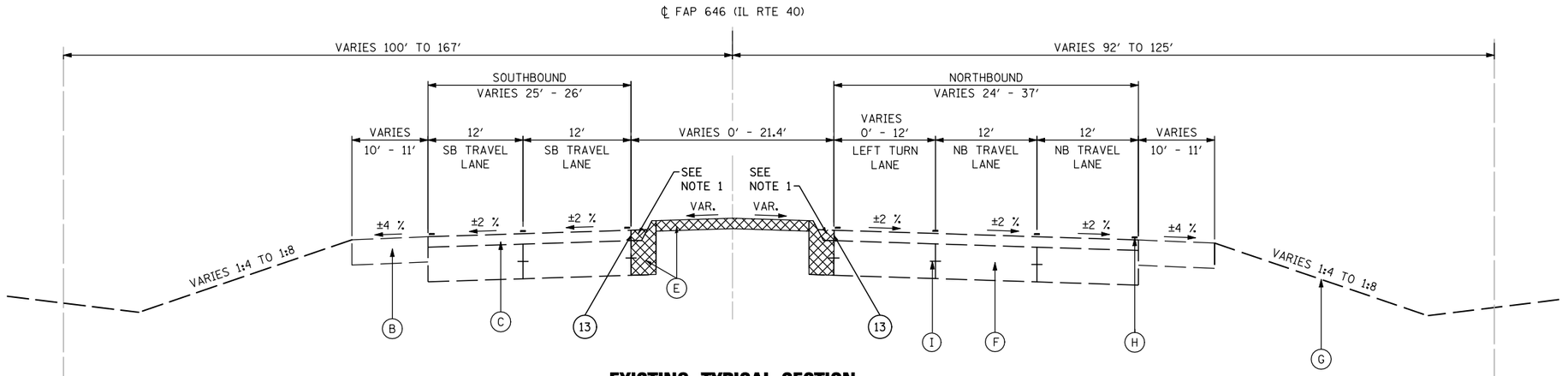


HMA SURFACE REMOVAL, VARIABLE DEPTH DETAIL

APPROXIMATE STATIONS
STA. 636+45.00 TO STA. 637+00.00

EXISTING LEGEND

- (A) EXISTING GUARDRAIL
- (B) EXISTING HMA SHOULDER
- (C) EXISTING HMA SURFACE COURSE
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING CONCRETE MEDIAN
- (F) EXISTING PCC PAVEMENT
- (G) EXISTING GROUND
- (H) EXISTING PAVEMENT MARKING
- (I) TIE BARS
- REMOVAL ITEMS



EXISTING TYPICAL SECTION

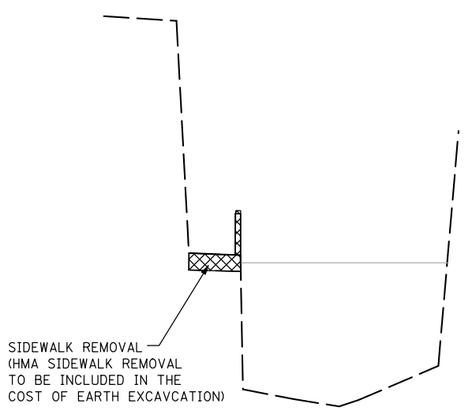
STA. 637+60.02 TO STA. 641+71.93

PROPOSED LEGEND

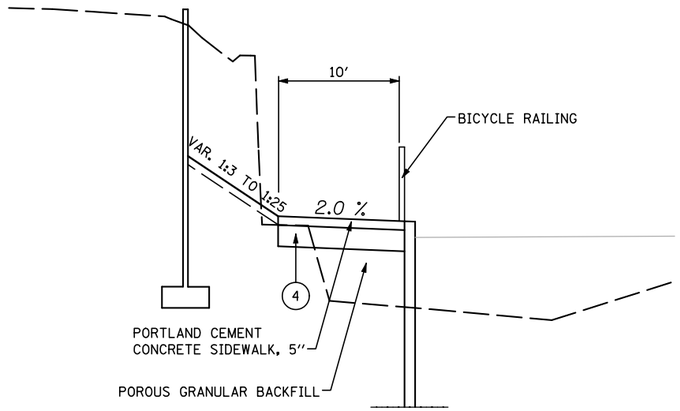
- (1) TOPSOIL FURNISH AND PLACE, 4''
- (2) SEEDING, CLASS 2A
- (3) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12''
- (5) LEVELING BINDER (MACHINE METHOD), N70 (112 LBS/SY-IN)
- (6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (112 LBS/SY-IN)
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX ''C'', N50 (112 LBS/SY-IN)
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX ''D'', N70 (112 LBS/SY-IN)
- (9) HOT-MIX ASPHALT SHOULDERS, 6½''
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (11) CONCRETE MEDIAN SURFACE, 4 INCH
- (12) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), 2, 5, OR 6
- (13) SAW CUTS (INCIDENTAL TO C&G REMOVAL AND ISLAND REMOVAL)
- (14) TIE BARS
- (15) BITUMINOUS MATERIALS (PRIME COAT)
- (16) PAVEMENT BREAKING
- (17) AGGREGATE SUBGRADE IMPROVEMENT

NOTES:

1. REMOVAL OF EXISTING HMA SURFACE COURSE ON TOP OF EXISTING GUTTER PAN SHALL BE INCIDENTAL TO CURB AND GUTTER REMOVAL AND ISLAND REMOVAL.
2. THE EXISTING HMA SURFACE SHALL BE REMOVED TO THE EXISTING SURFACE OF THE PCC PAVEMENT AND THEN TAPER TO THE EXISTING HMA SURFACE AT A POINT WHERE A TOTAL OF 3¾'' OF HMA PAVEMENT CAN BE PLACED BETWEEN THE PROPOSED PROFILE AND EXISTING HMA PAVEMENT SURFACE. REFER TO HMA SURFACE REMOVAL, VARIABLE DEPTH DETAIL



EXISTING BIKE PATH TYPICAL SECTION



PROPOSED BIKEPATH TYPICAL SECTION

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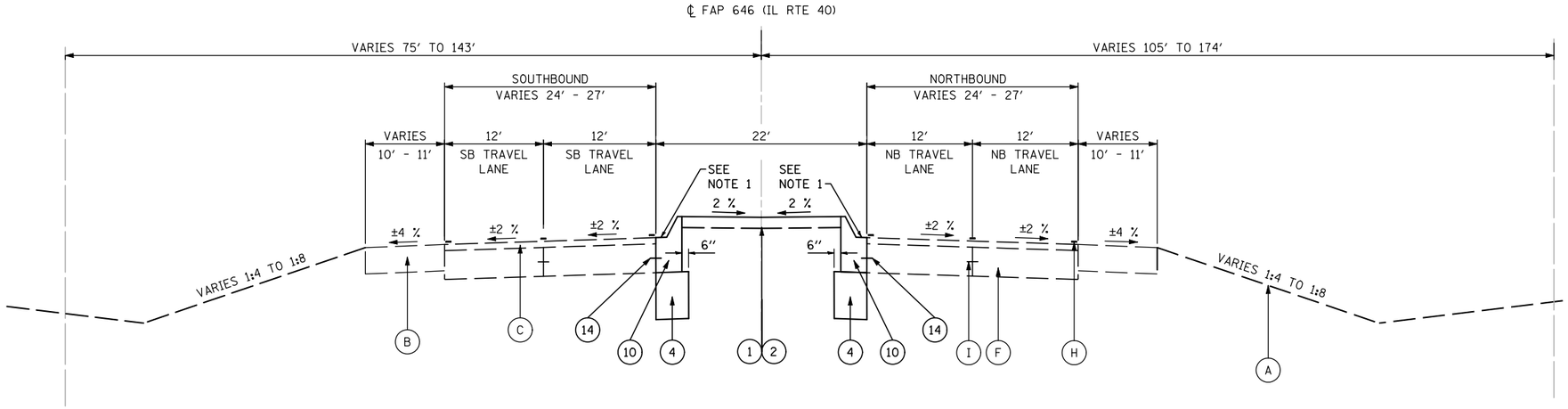
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

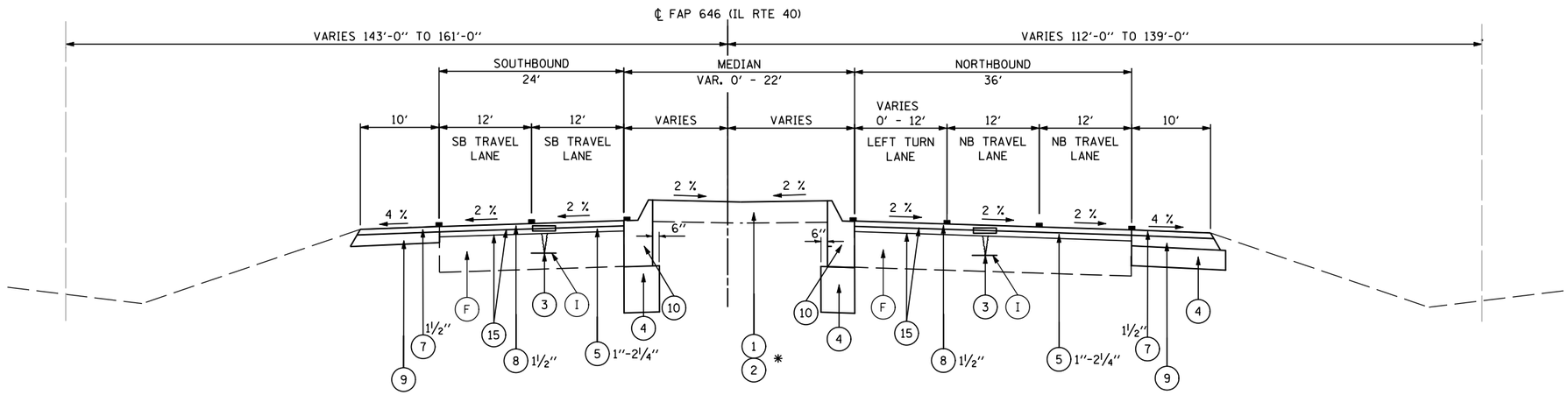
SCALE: NTS | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	13
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



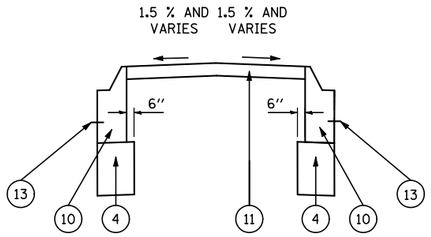
PROPOSED TYPICAL SECTION

STA. 625+00.00 TO STA. 628+50.00

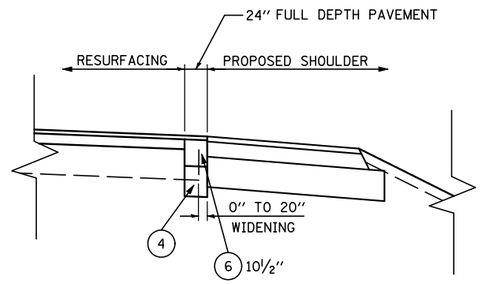


PROPOSED TYPICAL SECTION

NB AND SB STA. 628+50.00 TO STA. 629+30.00 *
NB AND SB STA. 636+45.00 TO STA. 637+00.00 **



MEDIAN TYPICAL **



PAVEMENT WIDENING DETAIL

NB AND SB STA. 628+50.00 TO STA. 631+00.00

EXISTING LEGEND

- (A) EXISTING GUARDRAIL
- (B) EXISTING HMA SHOULDER
- (C) EXISTING HMA SURFACE COURSE
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING CONCRETE MEDIAN
- (F) EXISTING PCC PAVEMENT
- (G) EXISTING GROUND
- (H) EXISTING PAVEMENT MARKING
- (I) TIE BARS
- REMOVAL ITEMS

PROPOSED LEGEND

- (1) TOPSOIL FURNISH AND PLACE, 4″
- (2) SEEDING, CLASS 2A
- (3) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12″
- (5) LEVELING BINDER (MACHINE METHOD), N70 (112 LBS/SY-IN)
- (6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (112 LBS/SY-IN)
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX ″C″, N50 (112 LBS/SY-IN)
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N70 (112 LBS/SY-IN)
- (9) HOT-MIX ASPHALT SHOULDERS, 6½″
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (11) CONCRETE MEDIAN SURFACE, 4 INCH
- (12) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), 2, 5, OR 6
- (13) SAW CUTS (INCIDENTAL TO C&G REMOVAL AND ISLAND REMOVAL)
- (14) TIE BARS
- (15) BITUMINOUS MATERIALS (PRIME COAT)
- (16) PAVEMENT BREAKING
- (17) AGGREGATE SUBGRADE IMPROVEMENT

NOTES:

1. GUTTER PANS FOR COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.24 SHALL BE REJECT SLOPING AT 2 % TOWARDS THE EDGE OF PAVEMENT.

FILE NAME = S:\JOL\6300--6399\6346\025\Micro\Sht\0264C17-sht-typicals1.dgn

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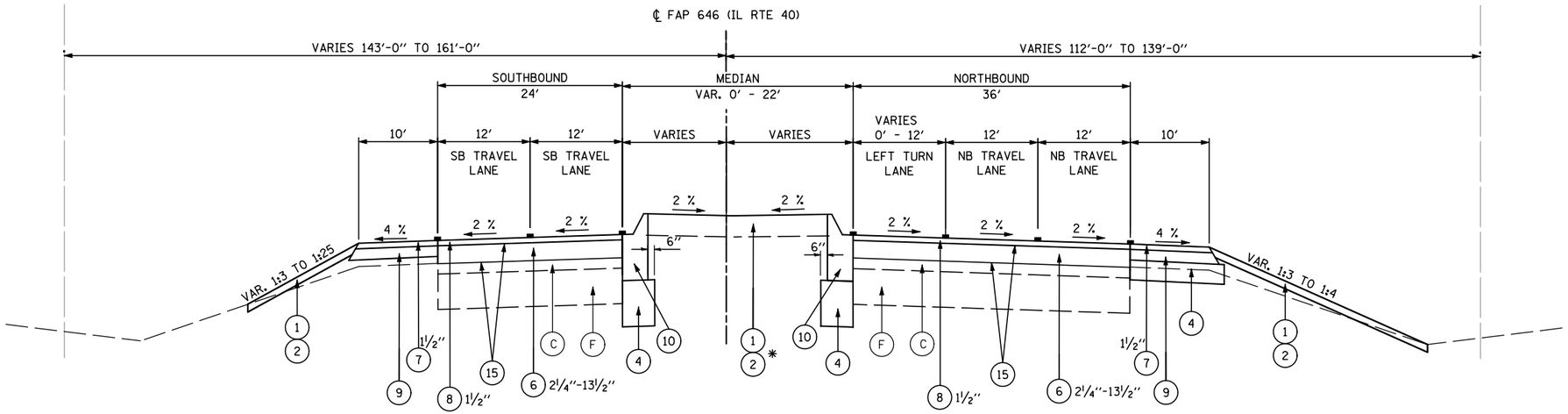
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

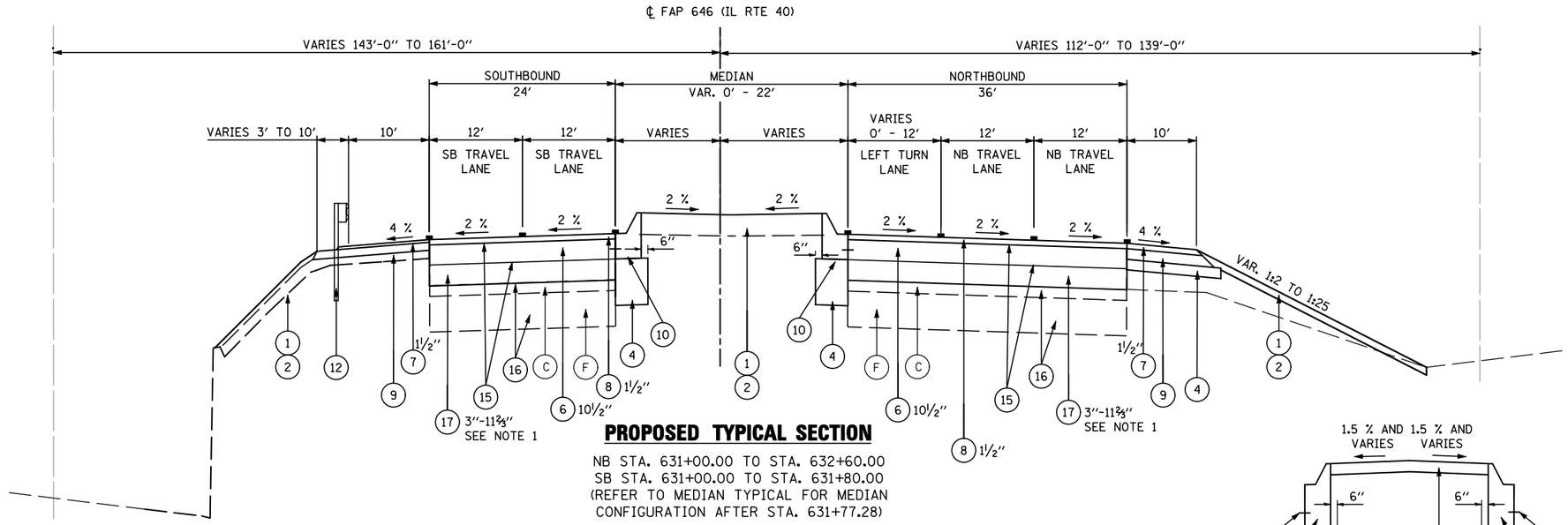
SCALE: NTS | SHEET 3 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	14
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



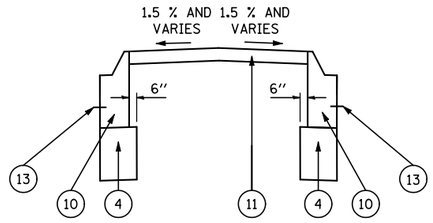
PROPOSED TYPICAL SECTION

NB AND SB STA. 629+30.00 TO STA. 631+00.00 *
NB AND SB STA. 634+65.00 TO STA. 636+45.00 **



PROPOSED TYPICAL SECTION

NB STA. 631+00.00 TO STA. 632+60.00
SB STA. 631+00.00 TO STA. 631+80.00
(REFER TO MEDIAN TYPICAL FOR MEDIAN CONFIGURATION AFTER STA. 631+77.28)



MEDIAN TYPICAL

EXISTING LEGEND

- (A) EXISTING GUARDRAIL
- (B) EXISTING HMA SHOULDER
- (C) EXISTING HMA SURFACE COURSE
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING CONCRETE MEDIAN
- (F) EXISTING PCC PAVEMENT
- (G) EXISTING GROUND
- (H) EXISTING PAVEMENT MARKING
- (I) TIE BARS
- REMOVAL ITEMS

PROPOSED LEGEND

- (1) TOPSOIL FURNISH AND PLACE, 4"
- (2) SEEDING, CLASS 2A
- (3) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) LEVELING BINDER (MACHINE METHOD), N70 (112 LBS/SY-IN)
- (6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (112 LBS/SY-IN)
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (112 LBS/SY-IN)
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (112 LBS/SY-IN)
- (9) HOT-MIX ASPHALT SHOULDERS, 6½"
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- (11) CONCRETE MEDIAN SURFACE, 4 INCH
- (12) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), 2, 5, OR 6
- (13) SAW CUTS (INCIDENTAL TO C&G REMOVAL AND ISLAND REMOVAL)
- (14) TIE BARS
- (15) BITUMINOUS MATERIALS (PRIME COAT)
- (16) PAVEMENT BREAKING
- (17) AGGREGATE SUBGRADE IMPROVEMENT

NOTES:

1. THE TOP 3" OF THE AGGREGATE SUBGRADE IMPROVEMENT ON TOP OF PAVEMENT BREAKING SHALL BE CA 6 OR CA 10, TO BE INCLUDED IN THE COST OF AGGREGATE SUBGRADE IMPROVEMENT.

FILE NAME = S:\JOL\6308-6399\6346\825\Micros\Sht\D264C17-sht-typical.dgn

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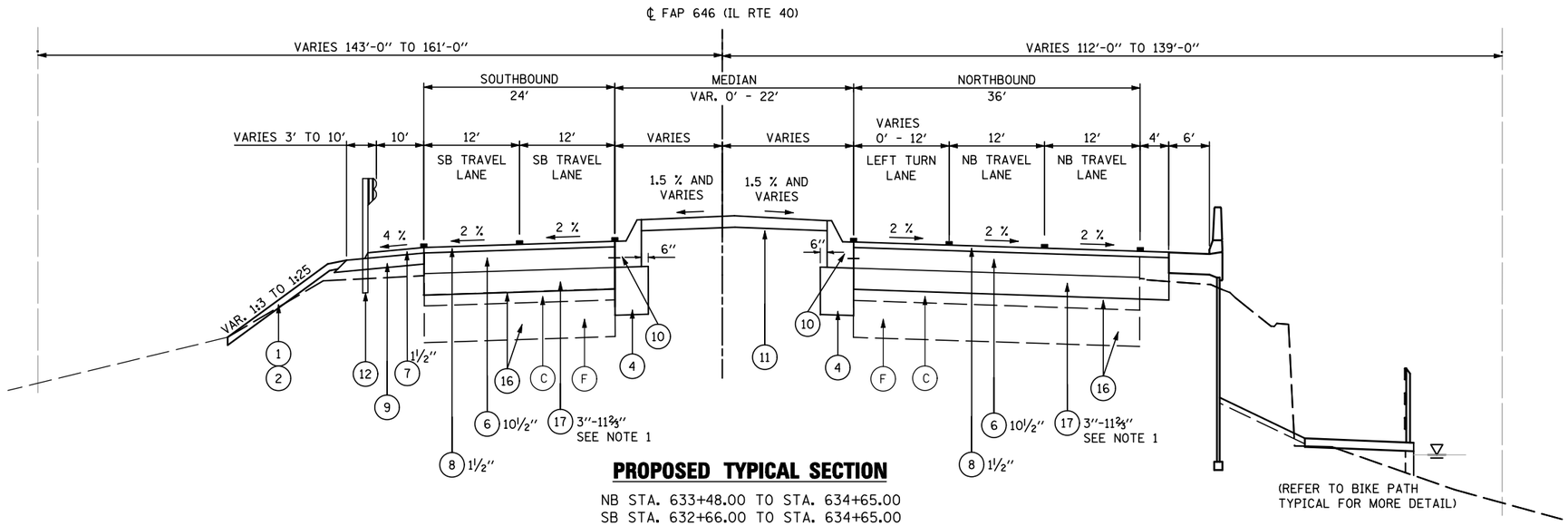
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET 4 OF 5 SHEETS | STA. | TO STA.

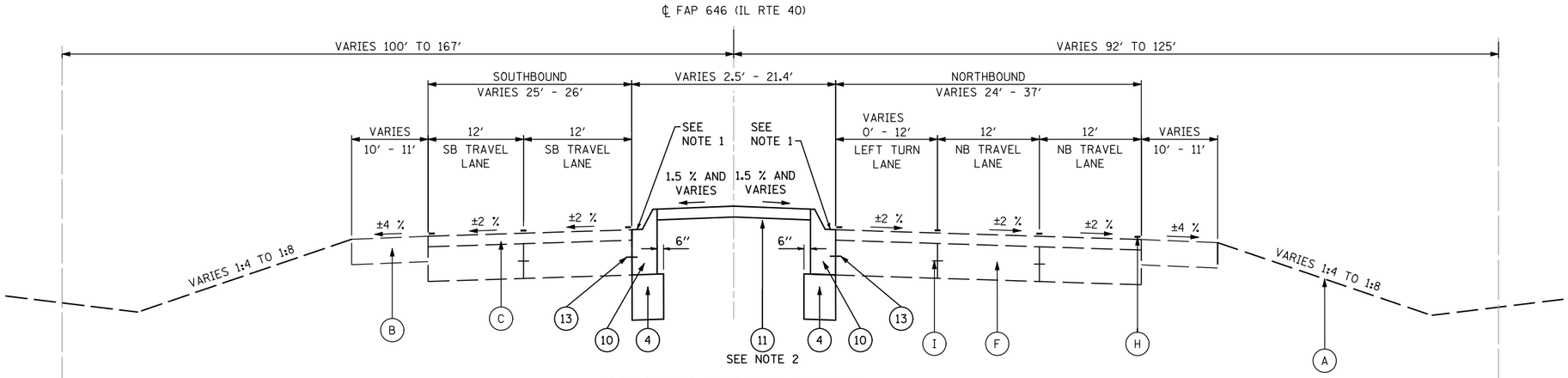
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	15
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT



PROPOSED TYPICAL SECTION

NB STA. 633+48.00 TO STA. 634+65.00
SB STA. 632+66.00 TO STA. 634+65.00



PROPOSED TYPICAL SECTION

STA. 637+60.05 TO STA. 641+71.93

EXISTING LEGEND

- (A) EXISTING GUARDRAIL
- (B) EXISTING HMA SHOULDER
- (C) EXISTING HMA SURFACE COURSE
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING CONCRETE MEDIAN
- (F) EXISTING PCC PAVEMENT
- (G) EXISTING GROUND
- (H) EXISTING PAVEMENT MARKING
- (I) TIE BARS
- REMOVAL ITEMS

PROPOSED LEGEND

- (1) TOPSOIL FURNISH AND PLACE, 4″
- (2) SEEDING, CLASS 2A
- (3) MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS
- (4) AGGREGATE SUBGRADE IMPROVEMENT, 12″
- (5) LEVELING BINDER (MACHINE METHOD), N70 (112 LBS/SY-IN)
- (6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (112 LBS/SY-IN)
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX ″C″, N50 (112 LBS/SY-IN)
- (8) HOT-MIX ASPHALT SURFACE COURSE, MIX ″D″, N70 (112 LBS/SY-IN)
- (9) HOT-MIX ASPHALT SHOULDERS, 6½″
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- (11) CONCRETE MEDIAN SURFACE, 4 INCH
- (12) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL), 2, 5, OR 6
- (13) SAW CUTS (INCIDENTAL TO C&G REMOVAL AND ISLAND REMOVAL)
- (14) TIE BARS
- (15) BITUMINOUS MATERIALS (PRIME COAT)
- (16) PAVEMENT BREAKING
- (17) AGGREGATE SUBGRADE IMPROVEMENT

NOTES:

1. GUTTER PANS FOR COMBINATION CONCRETE CURB AND GUTTER TYPE M-6.24 SHALL BE REJECT SLOPING AT 2 % TOWARDS THE EDGE OF PAVEMENT.
2. SEE MEDIAN DETAIL SHEETS FOR CONCRETE MEDIAN, TYPE SM-6.24 FROM STA. 637+62.05 TO STA. 637+72.05 AND STA. 641+61.93 TO STA. 641+71.93
3. THE TOP 3″ OF THE AGGREGATE SUBGRADE IMPROVEMENT ON TOP OF PAVEMENT BREAKING SHALL BE CA 6 OR CA 10, TO BE INCLUDED IN THE COST OF AGGREGATE SUBGRADE IMPROVEMENT.

FILE NAME = S:\JOL\6300-6399\6346\025\Wtorres\Snt\0256C17-snt-typical.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	16
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

	LOCATION		EARTH EXCAVATION 20200100	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	POROUS GRANULAR BACKFILL 20900110
	STA.	STA.	CU YD	CU YD	CU YD	CU YD	CU YD
STAGE 1	628+50	637+00	558.85	419.14	400.38	18.76	0.00
STAGE 2	628+50	637+00	147.05	110.29	399.69	-289.40	0.00
STAGE 3	628+50	637+00	100.50	75.38	365.93	-290.56	0.00
BIKE PATH	200+00	205+00	57.87	43.40	104.63	-61.23	250.00
TOTAL:			865.00	650.00	1275.00	-620.00	250

21101615 TOPSOIL FURNISH AND PLACE, 4"

SQ YD

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	629.20
LT	STA.	631+79.00	TO	STA.	637+00.00	1645.60
RT	STA.	628+50.00	TO	STA.	633+14.00	1061.40
RT	STA.	633+74.72	TO	STA.	637+00.00	1064.80
TOTAL:						4401.00 SQ YD

25000210 SEEDING, CLASS 2A

ACRE

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	0.15
LT	STA.	631+79.00	TO	STA.	637+00.00	0.31
RT	STA.	628+50.00	TO	STA.	633+14.00	0.28
RT	STA.	633+74.72	TO	STA.	637+00.00	0.21
TOTAL:						1.00 ACRE

25000400 NITROGEN FERTILIZER NUTRIENT

POUND

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	13.52
LT	STA.	631+79.00	TO	STA.	637+00.00	27.58
RT	STA.	628+50.00	TO	STA.	633+14.00	24.88
RT	STA.	633+74.72	TO	STA.	637+00.00	19.10
TOTAL:						86.00 POUND

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	13.52
LT	STA.	631+79.00	TO	STA.	637+00.00	27.58
RT	STA.	628+50.00	TO	STA.	633+14.00	24.88
RT	STA.	633+74.72	TO	STA.	637+00.00	19.10
TOTAL:						86.00 POUND

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	13.52
LT	STA.	631+79.00	TO	STA.	637+00.00	27.58
RT	STA.	628+50.00	TO	STA.	633+14.00	24.88
RT	STA.	633+74.72	TO	STA.	637+00.00	19.10
TOTAL:						86.00 POUND

25100115 MULCH, METHOD 2

ACRE

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50	TO	STA.	631+48.27	0.15
LT	STA.	631+79	TO	STA.	637+00.00	0.31
RT	STA.	628+50	TO	STA.	633+14.00	0.28
RT	STA.	633+75	TO	STA.	637+00.00	0.21
TOTAL:						1.00 ACRE

25100630 EROSION CONTROL BLANKET

SQ YD

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	727.27
LT	STA.	631+79.00	TO	STA.	637+00.00	1483.06
RT	STA.	628+50.00	TO	STA.	633+14.00	1337.85
RT	STA.	633+74.72	TO	STA.	637+00.00	1027.08
TOTAL:						4576.00 SQ YD

25200100 SODDING

ACRE

LOCATION						QUANTITY
IL 40						
MEDIAN	STA.	623+44.00	TO	STA.	632+82.81	1540.36
TOTAL:						1541.00 SQ YD

25200200 SUPPLEMENTAL WATERING

ACRE

LOCATION						QUANTITY
IL 40						
MEDIAN	STA.	623+44.00	TO	STA.	632+82.81	32.35
TOTAL:						33.00 UNIT

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND

LOCATION						QUANTITY
IL 40						
LT	STA.	628+50.00	TO	STA.	631+48.27	90.16
LT	STA.	631+79.00	TO	STA.	637+00.00	183.85
RT	STA.	628+50.00	TO	STA.	633+14.00	165.85
RT	STA.	633+74.72	TO	STA.	637+00.00	127.32
					6 APPLICATIONS:	
TOTAL:						568.00 POUND

28000400 PERIMETER EROSION BARRIER

FOOT

LOCATION						QUANTITY
IL 40						
STA.	628+50.00	TO	STA.	630+77.54	228.07	
STA.	632+09.55	TO	STA.	637+00.00	490.45	
STA.	628+50.00	TO	STA.	633+06.67	456.67	
STA.	634+52.12	TO	STA.	637+00.00	248.53	
TOTAL:						1424.00 FOOT

30300011 AGGREGATE SUBGRADE IMPROVEMENT

TONS

LOCATION							QUANTITY
IL 40							
STA.	631+00.00	TO	632+47.68	RT	211.83		
STA.	633+57.13	TO	634+65.00	RT	217.00		
STA.	631+00.00	TO	631+65.99	LT	103.31		
STA.	632+85.09	TO	634+65.00	LT	259.92		
TOTAL:							793.00 TONS

30300104 AGGREGATE SUBGRADE IMPROVEMENT 4"

SQ YD

LOCATION		WIDTH (FT)		WIDTH (FT)	QUANTITY
IL 40					
STA.	200+00.00	10	204+78.00	10	531.11
TOTAL:					532.00 SQ YD

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"

SQ YD

LOCATION					QUANTITY
IL 40					
RT SHLD.					
STA.	628+50.00	TO	632+59.70		609.10
STA.	634+78.63	TO	637+00.00		361.87
C&G LT					
STA.	625+00.00	TO	631+50.00		228.94
STA.	633+50.00	TO	636+00.00		88.06
STA.	637+62.05	TO	641+71.90		144.36
C&G RT					
STA.	625+00.00	TO	631+50.00		228.94
STA.	633+50.00	TO	636+00.00		88.06
STA.	637+62.05	TO	641+71.90		144.36
MEDIAN					
STA.	636+70.10	TO	636+76.15		3.36
STA.	637+62.05	TO	637+72.05		7.14
STA.	641+61.93	TO	641+71.93		4.31
TOTAL:					1909.00 SQ YD

40600400 MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS

TON

LOCATION					QUANTITY
IL 40					
STA.	628+50.00	TO	637+00.00	2.00	
TOTAL:					2.00 TON

40600635 LEVELING BINDER (MACHINE METHOD), N70

TON

LOCATION					AREA (SQ YD)	DEPTH (IN)	QUANTITY
IL 40							
STA.	628+50.00	TO	629+40.00	LT	240.00	2.50	33.60
STA.	636+45.00	TO	636+80.10	LT	93.60	2.50	13.10
STA.	628+50.00	TO	629+40.00	RT	240.00	2.50	33.60
STA.	636+45.00	TO	636+80.10	RT	140.40	2.50	19.66
STA.	636+80.10	TO	637+00.00	RT/LT	154.78	2.50	21.67
TOTAL:							122.00 TON

FILE NAME = S:\JOL\6300-6399\6346\025\Micros\Sht\0264C17-sht-schedule1.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	17
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

40603085 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70

TON

LOCATION					QUANTITY
IL 40					
STA.	629+40.00	TO	631+65.99	LT	245.50
STA.	629+40.00	TO	632+47.68	RT	376.65
STA.	632+85.09	TO	636+45.00	LT	440.25
STA.	633+46.20	TO	636+45.00	RT	513.21
TOTAL:					1576.00 TON

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

TON

LOCATION					AREA (SQ YD)	DEPTH (IN)	QUANTITY
IL 40							
STA.	628+50.00	TO	631+35.59	LT	312.50	1.50	26.25
STA.	632+54.30	TO	637+00.00	LT	550.04	1.50	46.20
STA.	628+50.00	TO	632+75.33	RT	524.62	1.50	44.07
STA.	634+78.63	TO	637+00.00	RT	277.23	1.50	23.29
TOTAL:							140.00 TON

40603340 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70

TON

LOCATION					AREA (SQ YD)	DEPTH (IN)	QUANTITY
IL 40							
STA.	628+50.00	STA.	631+65.99	LT	785.80	1.50	66.01
STA.	632+85.09	STA.	637+00.00	LT	1049.60	1.50	88.17
STA.	628+50.00	STA.	632+05.06	RT	1003.65	1.50	84.31
STA.	633+57.13	STA.	637+00.00	RT	1269.02	1.50	106.60
TOTAL:							346.00 TON

42001430 BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

SQ YD

LOCATION				AVE WIDTH (FT)	QUANTITY
IL 40					
STA.	631+79.22	TO	631+91.45	142.66	96.93
STA.	633+28.72	TO	633+40.95	142.66	96.93
TOTAL:					194.00 SQ YD

42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

SQ FT

LOCATION				AVE WIDTH (FT)	QUANTITY
IL 40					
STA.	200+00.00	TO	204+78.00	10.00	4780.00
TOTAL:					4780.00 SQ FT

44000100 PAVEMENT REMOVAL

FOOT

LOCATION					QUANTITY
IL 40					
STA.	628+50.00	TO	631+00.00	LT	55.56
STA.	628+50.00	TO	631+00.00	RT	55.56
TOTAL:					112.00 SQ YD

44004250 PAVED SHOULDER REMOVAL

SQ YD

LOCATION					QUANTITY
IL 40					
STA.	62850	TO	63160	LT	345
STA.	62850	TO	63302	RT	503
STA.	632+17.00	TO	637+00.00	LT	537
STA.	633+58.00	TO	637+00.00	RT	380
TOTAL:					1765.00 SQ YD

44200094 PAVEMENT PATCHING, TYPE II, 8"

FOOT

LOCATION						QUANTITY
IL 40						
STA.	626+70.00	TO	643+82.00	LT	+10.00	1902.22
					10%	190.22
TOTAL:						191.00 SQ YD

44000500 COMBINATION CONCRETE CURB AND GUTTER REMOVAL

FOOT

LOCATION				QUANTITY
IL 40				
STA.	623+38.50	TO	632+43.09	1785.01
STA.	632+72.35	TO	636+70.10	774.37
STA.	637+60.92	TO	641+71.93	81.90
TOTAL:				2642.00 FOOT

44000600 SIDEWALK REMOVAL

SQ FT

LOCATION				WIDTH (FT)	QUANTITY
IL 40					
STA.	200+15.52	TO	200+81.06	6.00	393.24
STA.	202+77.73	TO	203+68.39	6.00	543.96
TOTAL:					938.00 SQ FT

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT

FOOT

LOCATION				QUANTITY
IL 40				
STA.	628+50.00	TO	637+00.00	325.00
TOTAL:				325.00 FOOT

48203023 HOT-MIX ASPHALT SHOULDERS, 6 1/2"

SQ YD

LOCATION					QUANTITY
IL 40					
STA.	628+50.00	TO	631+35.59	LT	312.50
STA.	632+54.30	TO	637+00.00	LT	550.04
STA.	628+50.00	TO	632+75.33	RT	524.62
STA.	634+78.63	TO	637+00.00	RT	277.23
TOTAL:					1665.00 SQ YD

50901720 BICYCLE RAILING

FOOT

LOCATION					QUANTITY
IL 40					
STA.	200+00.00	TO	STA.	204+00.00	400.00
TOTAL:					400.00 FOOT

60206100 INLETS TO BE ADJUSTED

EACH

LOCATION		OFFSET (FT)	QUANTITY
IL 40			
STA.	624+08.08	0.66	2.00
STA.	627+08.28	0.66	2.00
TOTAL:			4.00 EACH

60610400 COMBINATION CURB AND GUTTER, TYPE M-6.24

FOOT

LOCATION					QUANTITY
IL 40					
STA.	623+44.82	TO	631+81.77	LT	837.67
STA.	633+19.04	TO	634+25.51	LT	106.47
STA.	637+72.14	TO	639+90.96	LT	219.36
STA.	623+44.78	TO	632+13.73	RT	869.47
STA.	633+43.01	TO	634+25.56	RT	82.73
STA.	637+71.99	TO	639+91.02	RT	129.30
TOTAL:					2245.00 FOOT

60618300 CONCRETE MEDIAN SURFACE, 4 INCH

SQ FT

LOCATION					QUANTITY
IL 40					
STA.	631+82.81	TO	STA.	631+91.45	251.43
STA.	633+15.49	TO	STA.	634+25.50	938.70
STA.	637+72.05	TO	STA.	639+91.00	2809.38
TOTAL:					4000.00 SQ FT

60623200 CONCRETE MEDIAN, TYPE SM-6.24

SQ FT

LOCATION					QUANTITY
IL 40					
STA.	623+35.85	TO	STA.	623+44.80	72.41
STA.	634+25.50	TO	STA.	636+80.10	2564.70
STA.	637+62.05	TO	STA.	637+72.05	85.99
STA.	639+91.00	TO	STA.	641+71.93	1745.23
TOTAL:					4469.00 SQ FT

63100045 TRAFFIC BARRIER TERMINAL, TYPE 2

EACH

LOCATION					QUANTITY
IL 40					
STA.	630+74.38	TO	631+00.23		1.00
STA.	634+99.92	TO	635+34.27		1.00
TOTAL:					2.00 EACH

63100070 TRAFFIC BARRIER TERMINAL, TYPE 5

EACH

LOCATION					QUANTITY
IL 40					
STA.	631+00.23	TO	631+30.02		1.00
STA.	634+78.63	TO	634+99.92		1.00
TOTAL:					2.00 EACH

63100085 TRAFFIC BARRIER TERMINAL, TYPE 6

EACH

LOCATION					QUANTITY
IL 40					
STA.	632+39.83	TO	632+95.48		1.00
STA.	632+42.90	TO	632+98.55		1.00
TOTAL:					2.00 EACH

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED

EACH

LOCATION					QUANTITY
IL 40					
STA.	632+02.38	TO	632+39.83		1.00
STA.	632+98.55	TO	633+36.03		1.00
TOTAL:					2.00 EACH

FILE NAME = S:\JOL\6300-6399\6346\025\Micros\Sht\0264C17-sht-schedule1.dgn

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(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 2 OF 4 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	18
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

63200310 GUARDRAIL REMOVAL

FOOT

LOCATION				QUANTITY
IL 40				
STA.	632+09.92	TO	632+29.73	20.06
STA.	632+29.73	TO	633+12.05	82.32
STA.	632+06.88	TO	632+82.43	75.55
STA.	632+82.43	TO	633+09.18	26.90
TOTAL:				205.00 FOOT

63500105 DELINEATORS

EACH

LOCATION			QUANTITY
IL 40			
STA.	630+74.38	LT	1.00
STA.	635+34.27	RT	1.00
STA.	632+02.38	RT	1.00
STA.	633+36.03	LT	1.00
TOTAL:			4.00 EACH

63801100 MODULAR BLADE-TYPE GLARE SCREENS

EACH

	LOCATION				QUANTITY
	IL 40				
STAGE 1	STA.	626+70.00	TO	629+00.00	230.00
STAGE 2	STA.	636+00.00		637+50.00	150.00
	TOTAL:				380.00 EACH

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH

LOCATION				QUANTITY
IL 40				
STA.	625+00.00	TO	641+71.93	2
TOTAL:				2.00 EACH

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

FOOT

LOCATION		QUANTITY
IL 40		
STAGE 1 NB	Yellow	5908.07
STAGE 1 SB	Yellow	2725.50
STAGE 1 NB	White	1714.65
STAGE 1 SB	White	1547.27
WINTER SHUT DOWN NB	Yellow	1664.00
WINTER SHUT DOWN SB	Yellow	1664.00
WINTER SHUT DOWN NB	White	850.00
WINTER SHUT DOWN SB	White	1712.00
STAGE 2 NB	Yellow	2459.72
STAGE 2 SB	Yellow	1537.6
STAGE 2 NB	White	1921.33
STAGE 2 SB	White	2414.74
TOTAL:		26119.00 FOOT

70300240 TEMPORARY PAVEMENT MARKING - LINE 6"

FOOT

LOCATION		QUANTITY
IL 40		
WINTER SHUT DOWN NB	White Skip-Dash	1125.00
WINTER SHUT DOWN SB	White Skip-Dash	533.00
TOTAL:		1658.00 FOOT

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT

LOCATION	COLOR	FT	WIDTH	QUANTITY
IL 40				
STAGE 1 NB	Yellow	5908.07	4	1969.36
STAGE 1 SB	Yellow	2725.50	4	908.50
STAGE 1 NB	White	1714.65	4	571.55
STAGE 1 SB	White	1547.27	4	515.76
WINTER SHUT DOWN NB	Yellow	1664.00	4	554.67
WINTER SHUT DOWN SB	Yellow	1664.00	4	554.67
WINTER SHUT DOWN NB	White	850.00	4	283.33
WINTER SHUT DOWN SB	White	1712.00	4	570.67
WINTER SHUT DOWN NB	White - Skip Dash	1125.00	6	562.50
WINTER SHUT DOWN SB	White - Skip Dash	533.00	6	266.50
STAGE 2 NB	Yellow	2459.72	4	819.91
STAGE 2 SB	Yellow	1537.6	4	512.53
STAGE 2 NB	White	1921.33	4	640.44
STAGE 2 SB	White	2414.74	4	804.91
TOTAL:				9536.00 SQ FT

70400100 TEMPORARY CONCRETE BARRIER

FOOT

LOCATION	QUANTITY
IL 40	
STAGE 1	2250
TOTAL:	2250.00 FOOT

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT

LOCATION	QUANTITY
IL 40	
STAGE 2	2150
TOTAL:	2150.00 FOOT

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT

LOCATION				Color	RT/LT	QUANTITY
IL 40						
STA. 622+50.00	TO	642+00.00		White	RT	1949.75
STA. 623+70.00	TO	636+75.08		Yellow	RT	1304.80
STA. 638+02.28	TO	641+44.22		Yellow	RT	342.62
STA. 623+70.00	TO	636+75.11		Yellow	LT	1304.59
STA. 637+93.27	TO	641+69.12		Yellow	LT	375.88
STA. 624+00.00	TO	643+82.00		White	LT	1982.20
					TWO APPLICATIONS	7259.84
TOTAL:						14520 FOOT

78001130 PAINT PAVEMENT MARKING - LINE 6"

FOOT

LOCATION	RT/LT			RT/LT	QUANTITY
IL 40					
STA. 597+00.00	TO	642+00.00	White	RT	1125.00
STA. 621+50.00	TO	651+71.50	White	LT	756.00
				TWO APPLICATIONS	1881.00
TOTAL:					3762.00 FOOT

78200410 GUARDRAIL MARKERS, TYPE A

EACH

LOCATION				QUANTITY
IL 40				
STA.	630+74.38	TO	631+30.02	2.00
STA.	632+42.90	TO	632+98.55	2.00
STA.	632+98.55	TO	633+35.05	2.00
STA.	632+02.33	TO	632+39.83	2.00
STA.	632+39.83	TO	632+95.48	2.00
STA.	634+78.63	TO	635+34.27	2.00
TOTAL:				12.00 EACH

78200520 BARRIER WALL MARKERS, TYPE B

EACH

LOCATION				QUANTITY
IL 40				
STA.	631+30.52	TO	632+42.90	5.00
STA.	633+06.16	TO	634+78.63	7.00
TOTAL:				12.00 EACH

78201000 TERMINAL MARKER - DIRECT APPLIED

EACH

LOCATION		QUANTITY
IL 40		
STA.	630+69.89	1
STA.	631+95.00	1
STA.	633+45.00	1
STA.	635+35.00	1
TOTAL:		4.00 EACH

78300100 PAVEMENT MARKING REMOVAL

SQ FT

LOCATION				COLOR	LT/RT	WIDTH	FOOT	QUANTITY
STA.	622+50.00	TO	628+50.00	WHITE	RT	4	599.75	199.92
STA.	623+20.00	TO	628+50.00	YELLOW	RT	4	479.29	159.76
STA.	623+70.00	TO	628+50.00	YELLOW	LT	4	479.45	159.82
STA.	624+00.00	TO	628+50.00	WHITE	LT	4	450.24	150.08
STA.	637+00.00	TO	642+00.00	WHITE	RT	4	500	166.67
STA.	637+00.00	TO	643+82.00	WHITE	LT	4	681.97	227.32
STA.	638+02.28	TO	641+44.22	YELLOW	RT	4	342.62	114.21
STA.	637+93.27	TO	641+69.12	YELLOW	LT	4	375.88	125.29
STA.	597+00.00	TO	628+50.00	WHITE DASH	RT	6	3150	1575.00
STA.	621+50.00	TO	628+50.00	WHITE DASH	LT	6	700	350
STA.	637+00.00	TO	642+00.00	WHITE DASH	RT	6	500	250
STA.	637+00.00	TO	643+82.00	WHITE DASH	LT	6	682	341
								3820 SQ FT

83600200 LIGHT POLE FOUNDATION 24", DIAMETER

FOOT

LOCATION		QUANTITY
IL 40		
STA.	*******	6
TOTAL:		6.00 FOOT

X4400110 TEMPORARY PAVEMENT REMOVAL

SQ YD

LOCATION		WIDTH (FT)		WIDTH (FT)	QUANTITY
IL 40					
STA.	625+00.00	22.00	629+00.00	22.00	977.78
	637+63.00	22.00	641+72.00	10.00	727.11
TOTAL:					1705.00 SQ YD

UPDATED 10/01/12

Δ Rev. Sheet 2-20-13

FILE NAME = S:\JOL\6200--6299\6246\025\Microstation\6C17-sht-schedule.dgn

STRAND ASSOCIATES, 1170 SOUTH HOUBOLT ROAD, JOLIET, ILLINOIS 60431, (815) 744-4200	USER NAME = vanessam	DESIGNED - VLF	REVISED -
		DRAWN - DJW	REVISED -
	PLOT SCALE = 40.0000 '/ in.	CHECKED - MAC	REVISED -
	PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 3 OF 4 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	19
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

X4401198 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

SQ YD	LOCATION				QUANTITY
	IL 40				
	STA. 628+50.00	TO	629+70.00		373.33
	STA. 636+25.00	TO	637+00.00		407.78
	TOTAL:				782.00 SQ YD

X4402020 CONCRETE MEDIAN SURFACE REMOVAL

SQ FT	LOCATION			QUANTITY
	IL 40			
	STA 631+91.88	TO	632+17.36	606.51
	STA 632+72.35	TO	636+70.10	2843.37
	STA 637+60.02	TO	641+71.93	5039.81
	TOTAL:			8490.00 SQ FT

X8440110 RELOCATE EXISTING LIGHT POLE WITH LUMINAIRE

EACH	LOCATION			QUANTITY
	IL 40			
	STA. 634+14.45	47.25	LT	1
	TOTAL:			1.00 EACH

Z0004638 PAVEMENT BREAKING

SQ YD	LOCATION				QUANTITY
	IL 40				
	STA. 631+00.00	TO	631+80.00	LT	226.78
	STA. 632+66.00	TO	634+65.00	LT	570.56
	STA. 631+00.00	TO	632+60.00	RT	465.00
	STA. 633+48.00	TO	634+65.00	RT	476.33
	TOTAL:				1739.00 SQ YD

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	QUANTITY
	IL 40	
	STAGE 1	3
	TOTAL:	3.00 EACH

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	QUANTITY
	IL 40	
	STAGE 2	3
	TOTAL:	3.00 EACH

Z0062456 TEMPORARY PAVEMENT

SQ YD	LOCATION					QUANTITY
	IL 40					
	STA. 628+50.00	44.00	636+70.17	44.00		4008.04
	TOTAL:					4009.00 SQ YD

Z0004552 APPROACH SLAB REMOVAL

SQ YD	LOCATION			QUANTITY
	IL 40			
	STA. 632+06.00	TO	632+26.00	417
	STA. 632+84.00	TO	633+04.00	417
	TOTAL:			834.00 SQ YD

Rev. Sheet 2-20-13

FILE NAME = S:\IDL\16388-6399\6346\825\Micro\Shts\D2564017-sht-schedule1.dgn

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - MAG	REVISED -	
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	20
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
101	1855066.4220	2426833.2670	643.2040	IL40	635+25.09	50.8464' RT	SURVEY WORK POINT
102	1854430.2110	2426780.2300	644.6310	IL40	628+88.58	1.5602' RT	SURVEY WORK POINT
103	1854642.7170	2426637.7540	637.4180	IL40	631+00.24	142.1659' LT	SURVEY WORK POINT
104	1854384.7790	2426488.4160	636.4549	IL40	628+41.43	289.981' LT	SURVEY WORK POINT
105	1854056.1960	2426300.0480	637.2744	IL40	625+15.01	476.4527' LT	SURVEY WORK POINT
106	1855850.8470	2426790.3950	638.6585	IL40	643+09.25	3.3517' RT	SHINER
107	1853440.2980	2426777.9190	647.8638	IL40	618+98.65	0.8271' RT	SURVEY WORK POINT
108	1854740.8690	2426738.1160	634.4180	IL40	631+98.98	42.3841' LT	SURVEY WORK POINT
109	1855231.1850	2426974.5620	636.8169	IL40	636+90.68	191.1678' RT	SURVEY WORK POINT
110	1854725.7860	2426920.8020	637.7763	IL40	631+84.98	140.3876' RT	SURVEY WORK POINT
111	1854902.3230	2427113.5580	637.0943	IL40	633+62.65	332.0998' RT	SURVEY WORK POINT
112	1854318.1040	2426612.7680	644.3843	IL40	627+75.49	165.2381' LT	SURVEY WORK POINT
113	1854327.3310	2426731.6440	643.0356	IL40	627+85.41	46.4186' LT	SURVEY WORK POINT
114	1854334.0550	2426458.7010	636.4728	IL40	627+90.53	319.3965' LT	SURVEY WORK POINT
115	1854945.6590	2426651.5630	636.7692	IL40	634+03.26	130.1426' LT	SURVEY WORK POINT

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1855066.4220	2426833.2670	643.2040	IL40	635+25.09	50.8464' RT	SURVEY WORK POINT
2	1854430.2110	2426780.2300	644.6310	IL40	628+88.58	1.5602' RT	SURVEY WORK POINT
3	1851396.7058	2426779.0528	653.9021	IL40	598+55.06	0.0000'	POT
4	1856072.6304	2426788.3505	.0000	IL40	645+31.02	0.0000'	POT
5	1854061.4001	2426776.4959	.0000	IL40	625+19.75	0.0000'	POT
6	1854796.0349	2426780.8260	.0000	IL40	632+54.40	0.0000'	POT

REFERENCE TIES

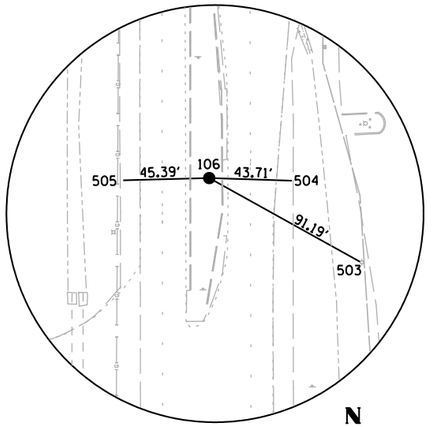
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	IL40	635+81.33	107.8969' RT	SHINER
501	IL40	635+81.34	80.0254' RT	SHINER
502	IL40	634+66.69	0.4352' LT	SHINER
503	IL40	642+65.51	83.3619' RT	SHINER
504	IL40	643+08.17	47.0508' RT	SHINER
505	IL40	643+07.78	42.0134' LT	SHINER
506	IL40	628+89.44	44.0277' LT	SHINER
507	IL40	628+88.37	46.0752' RT	SHINER
508	IL40	628+39.34	45.6412' RT	SHINER
509	IL40	631+25.63	132.8474' LT	SHINER
510	IL40	631+15.56	196.1661' LT	SHINER
511	IL40	630+29.88	187.3699' LT	SHINER
512	IL40	631+05.52	367.2239' LT	POWER POLE
513	IL40	619+04.92	97.8599' LT	SHINER
514	IL40	618+99.46	51.6971' LT	SHINER
515	IL40	618+98.12	44.9796' RT	SHINER

Chain IL40 contains:
3 5 4

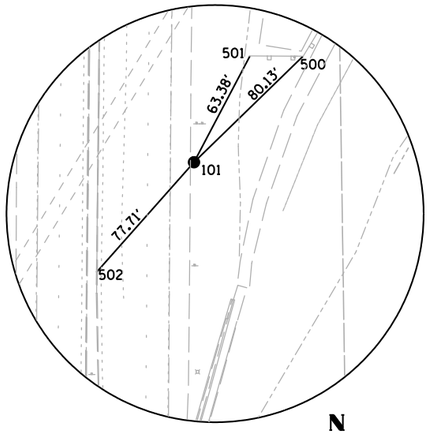
Beginning chain IL40 description

Point 3	N	1,851,396.7058 E	2,426,779.0528 Sta	598+55.06
Course from 3 to 5 N 0 ° 03' 17.91" W Dist 2,664.6955				
Point 5	N	1,854,061.4001 E	2,426,776.4959 Sta	625+19.75
Course from 5 to 4 N 0 ° 20' 15.74" E Dist 2,011.2653				
Point 4	N	1,856,072.6304 E	2,426,788.3505 Sta	645+31.02

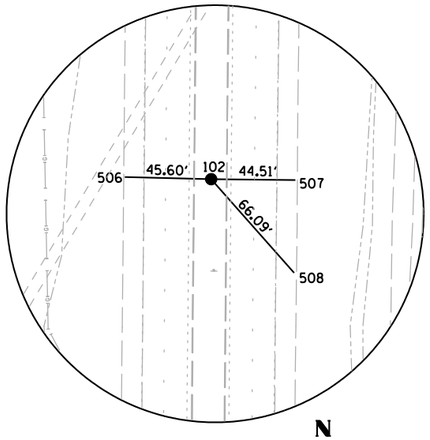
Ending chain IL40 description



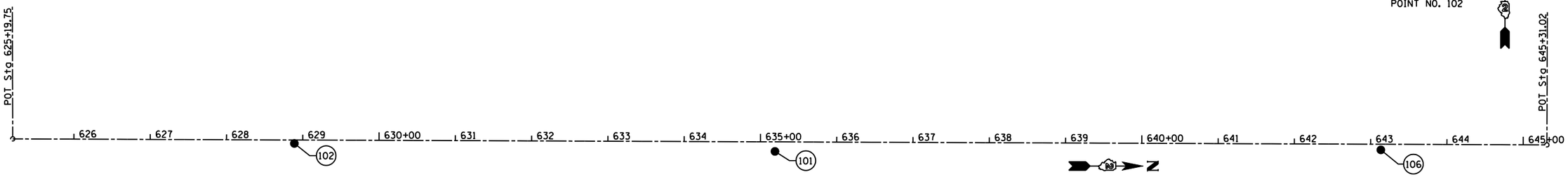
HORIZONTAL CONTROL
POINT NO. 106



HORIZONTAL CONTROL
POINT NO. 101



HORIZONTAL CONTROL
POINT NO. 102



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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

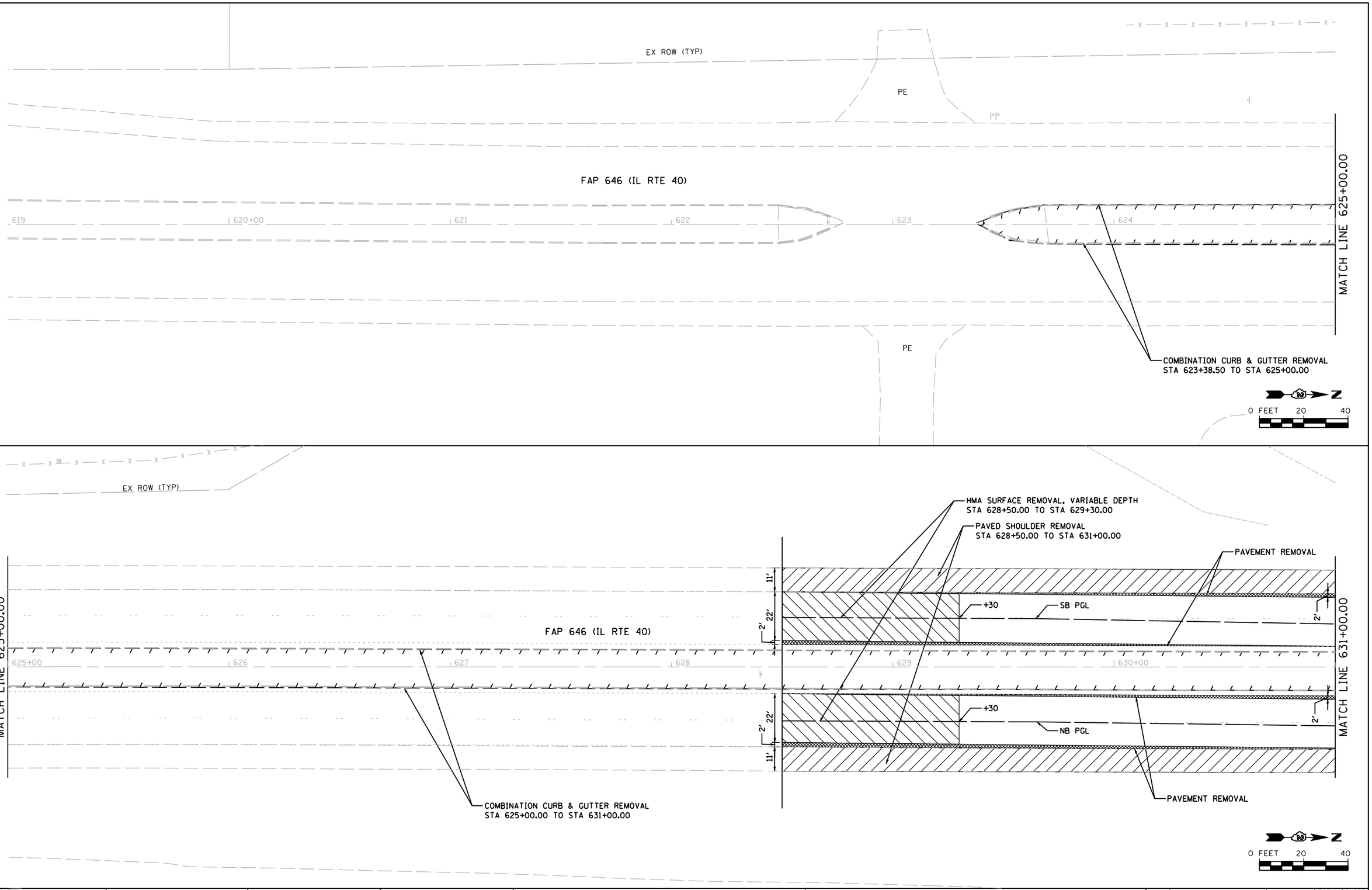
USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL AND VERTICAL CONTROL

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	21
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

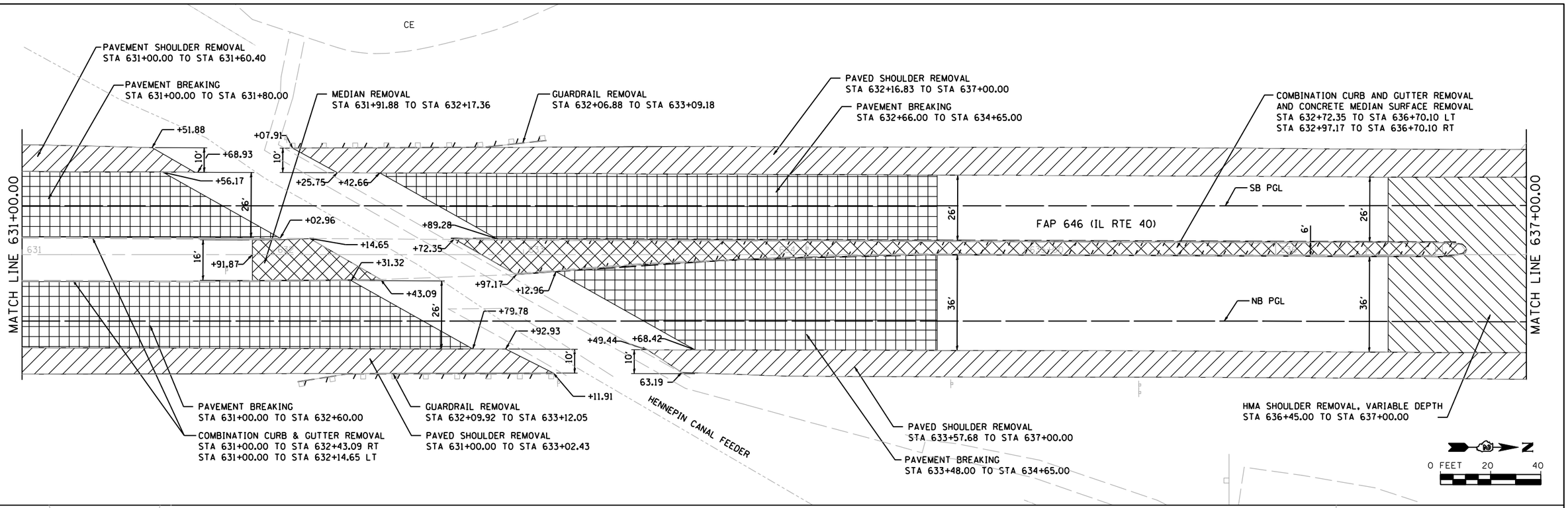
USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

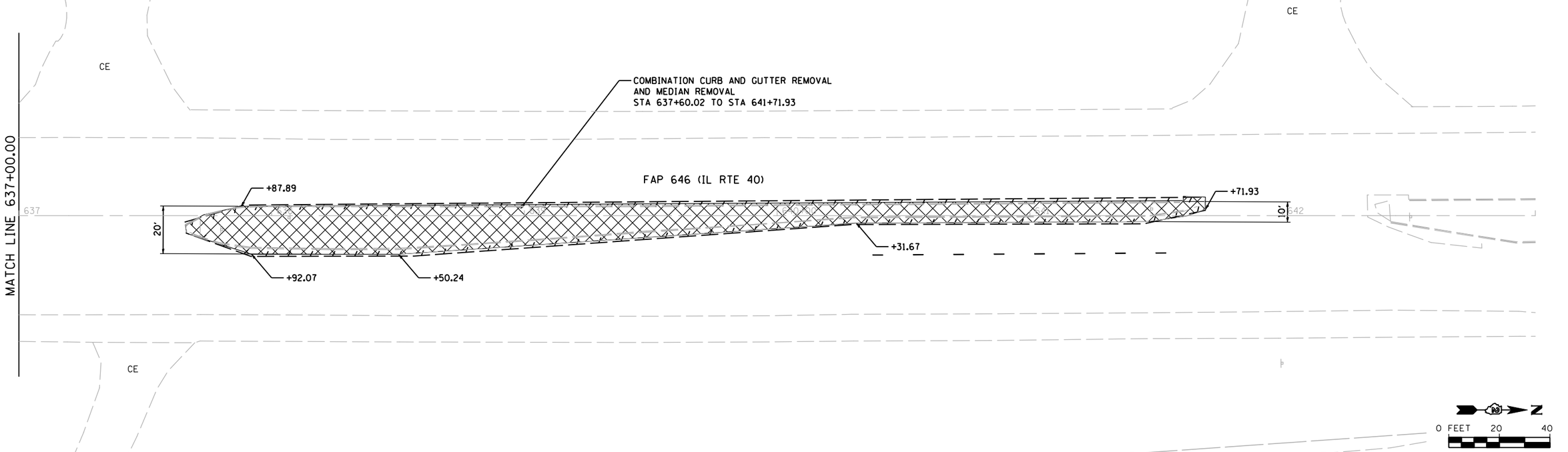
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	22
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		





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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**REMOVAL DETAILS**
		DRAWN - DJW	REVISED -		
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -		
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -		

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	23
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

EX ROW (TYP)

EX 18" PIPE CULVERT

EX DR DITCH (TYP)

PE

PP

*COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.24

FAP 646 (IL RTE 40)

10'
33'
18'
26'
10'

11'
24'

619 | 620+00 | 621 | 622 | 623 | 624

MATCH LINE STA. 625+00.00

TOPSOIL FURNISH AND PLACE, 4"

PE

EX 18" PIPE CULVERT

EX DR DITCH (TYP)

N

5 VERT SCALE 0

0 20 HORIZ SCALE SCALE IN FEET

*NOTE:
1. CONCRETE MEDIAN, TYPE SM-6.24 AND COMBINATION CONCRETE CURB & GUTTER TYPE M-6.24 SHALL MATCH THE EXISTING EDGE OF PAVEMENT.

660 650 640 630 620

EX FAP 646 (IL RTE 40) ℄ PROFILE

EXISTING IL RTE 40 ℄ ELEVATION

643.28 643.15 642.61 642.72 642.46 642.58 642.74

622+00 622+50 623+00 623+50 624+00 624+50 625+00

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = S:\JOL\6300--6399\6346\025\Micros\Sht\D264C17-sht-plnpr01.dgn

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1170 SOUTH HOUBOLT ROAD
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(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FAP ROUTE 646 (IL 40)

SCALE: AS SHOWN | SHEET 1 OF 4 SHEETS | STA. 619+00 | TO STA. 625+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	24
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

JOHN H. DOTY
AGRICULTURAL

EX ROW (TYP)

EX DR DITCH (TYP)

*COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.24

MATCH LINE STA. 625+00.00

11' 24' 22' 24' 11'

625+00 | 626 | 627 | 628 | 629 | 630+00

FAP 646 (IL RTE 40)

TOPSOIL FURNISH AND PLACE, 4"

INLET TO BE ADJUSTED
PRE-STAGE ELEV=643.76
FINAL ELEV= 643.62

*NOTE:
1. COMBINATION CONCRETE CURB & GUTTER TYPE M-6.24 SHALL MATCH THE EXISTING EDGE OF PAVEMENT FROM STA 625+00.00 TO STA 628+50.00.

628+60.00 43.83' LT
628+50.00 44.74' LT
628+50.00 33.93' LT
628+50.00 9.93' LT
628+50.00 12.07' RT
628+50.00 36.08' RT
628+49.89 47.04' RT
628+60.00 46.18' RT

SECTION/PROJECT BEGINS STA 628+50.00

LIMITS OF CONSTRUCTION (TYP.)

EX 6'X4' BOX CULVERT

TRAFFIC BARRIER TERMINAL, TYPE 2

HOT-MIX ASPHALT SHLD, 6½" WITH
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1½"

630+40.38 42.04' LT
630+64.41 45.81' LT
631+00.00 45.45' LT
631+00.00 31.45' LT
631+00.00 7.48' LT
631+00.00 14.55' RT
631+00.00 38.55' RT
631+00.00 48.55' RT

SOUTHBOUND PGL

NORTHBOUND PGL

EX 6'X4' BOX CULVERT

COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.24

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1-1/2"
HOT-MIX ASPHALT SHOULDER, 6-1/2"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

LIMITS OF CONSTRUCTION (TYP.)

MATCH LINE STA. 631+00.00

10' 14' 10' 11' 10' 24' 22' 24' 11' 10'

EX DR DITCH (TYP)

FRITZ BRANT
AGRICULTURAL

5 VERT SCALE 0
0 20 HORIZ SCALE
SCALE IN FEET

660 650 640 630 620

EX FAP 646 (IL RTE 40) ℄ PROFILE

644.12

+71.05 E. 644.24

K = 180
135.00' V.C.

+06.05 EL. 645.56

PR FAP 646 (IL RTE 40) NB & SB PGL PROF

+0.60% +1.35%

VPI STA. 629+38.55
ELEVATION 644.65

+38.50 EL. 646.00

EX 6'X4' BOX CULVERT

EXISTING IL RTE 40 ℄ ELEVATION — NB & SB PGL ELEVATION

642.74 642.96 643.20 643.47 643.72 643.95 644.34 644.51 644.12 644.86 644.44 645.19 644.89 645.69 645.48 645.77 646.15 645.95 646.70

625+00 625+50 626+00 626+50 627+00 627+50 628+00 628+50 629+00 629+50 630+00 630+50 631+00

PLAN: SURVEYED — PLOTTED — DRAWN — CHECKED — QUANT. CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

PROFILE: SURVEYED — PLOTTED — DRAWN — CHECKED — BAR. NOTED — STRUCTURE NO — TANS CHKD — NOTE BOOK — NO. — BY — DATE

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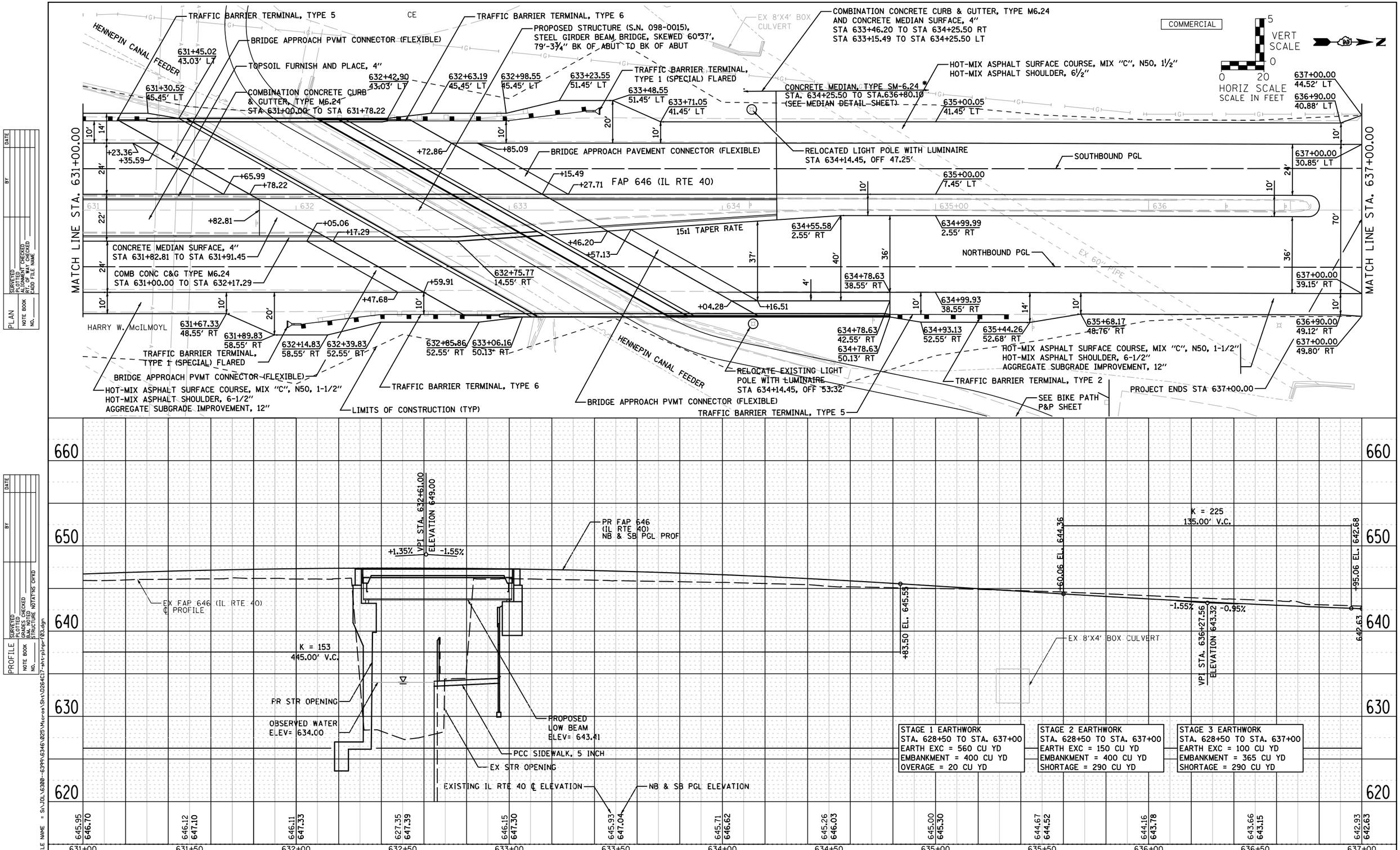
STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -
		DRAWN - DJW	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FAP ROUTE 646 (IL 40)

SCALE: AS SHOWN | SHEET 2 OF 4 SHEETS | STA. 625+00 TO STA. 631+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	25
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



PLAN — SURVEYED; PLOTTED; CROSS CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE — SURVEYED; PLOTTED; CROSS CHECKED; BAR. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -
		DRAWN - DJW	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FAP ROUTE 646 (IL 40)

SCALE: AS SHOWN | SHEET 3 OF 4 SHEETS | STA. 631+00 TO STA. 637+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	26
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

*CONCRETE MEDIAN, TYPE SM-6.24
STA 637+62.05 TO STA 637+72.05
(SEE BULLET NOSE MEDIAN DETAIL SHEET)

EX DR DITCH (TYP)

12" PIPE

CE

36" PIPE

36" PIPE

COMBINATION CONCRETE CURB & GUTTER, TYPE M6.24
AND CONCRETE MEDIAN SURFACE, 4"
STA. 637+72.05 TO STA. 639+91.00

CONCRETE MEDIAN, TYPE SM-6.24 *
STA. 639+91.00 TO STA.641+71.93
(SEE MEDIAN DETAIL SHEET)

MATCH LINE STA. 637+00.00

MATCH LINE STA. 643+00.00

IMPROVEMENT ENDS
STA 641+71.93

637 638 639 640+00 641 642

70'

11'

10'

26'

27'

10'

FAP 646 (IL RTE 40)

*NOTE:
1. CONCRETE MEDIAN, TYPE SM-6.24 AND COMBINATION CONCRETE CURB & GUTTER TYPE M-6.24 SHALL MATCH THE EXISTING EDGE OF PAVEMENT.

CE

CE

EX DR DITCH (TYP)

EX ROW (TYP)

5
VERT SCALE
0

0 20
HORIZ SCALE
SCALE IN FEET

660
650
640
630
620

EX FAP 646 (IL RTE 40)
℄ PROFILE

NB & SB PGL ELEVATION

EXISTING IL RTE 40 ℄ ELEVATION

642.93 642.63 642.31 642.18 641.68 641.28 640.97 640.62 640.49 640.21 639.24 638.84 638.86 638.71

637+00 637+50 638+00 638+50 639+00 639+50 640+00 640+50 641+00 641+50 642+00 642+50 643+00

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSS SECT CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = S:\JOL\6300--6399\6346\025\Micros\Sht\D264C17-sht-plnprf04.dgn

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FAP ROUTE 646 (IL 40)

SCALE: AS SHOWN | SHEET 4 OF 4 SHEETS | STA. 637+00 | TO STA. 643+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	27
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

PROP. CURVE PR-BIKE-1
PI STA. = 200+47.06
Δ = 86° 32′ 05″ (LT)
D = 114° 35′ 30″
R = 50.00′
T = 47.06′
L = 75.52′
E = 18.67′
P.C. STA = 200+00.00
P.T. STA = 200+75.52

PC Sta 200+00.00
N 1,854,717.4271
E 2,426,671.5505

PT Sta 200+15.52
N 1,854,731.4796
E 2,426,737.0918

200+15.52
36.64′ LT

200+23.22
42.75′ LT

200+00

EXISTING PCC BIKE PATH

PROPOSED ℄ OF BIKE PATH

200+76.49
2.59′ LT

200+81.06
3.67′ LT

PI Sta 200+47.06
N 1,854,696.6070
E 2,426,713.7585

N 29° 43′ 15.62″
203.0964

HENNEPIN CANAL FEEDER

FAP 646 (IL ROUTE 40)

EXISTING HMA BIKE PATH TO BE REMOVED (INCLUDED IN THE COST OF EARTH EXCAVATION)

PC Sta 204+21.31
N 1,855,051.9390
E 2,426,812.1275

PI Sta 204+49.13
N 1,855,079.1454
E 2,426,871.9463

PT Sta 204+76.67
N 1,855,104.1151
E 2,426,890.2168

203+68.51
4.87 LT

203+68.39
0.10 RT

202+77.73
5.59′ LT

202+78.94
0.80′ LT

EXISTING PCC BIKE PATH

PT Sta 203+09.41
N 1,854,942.5217
E 2,426,848.7257

PI Sta 202+94.14
N 1,854,927.3407
E 2,426,845.4789

PC Sta 202+78.61
N 1,854,913.8586
E 2,426,837.7823

EXISTING R.O.W.

LEGEND

SIDEWALK REMOVAL

PROP. CURVE PR-BIKE-2
PI STA. = 202+94.14
Δ = 17° 38′ 55″ (LT)
D = 57° 17′ 45″
R = 100.00′
T = 15.52′
L = 30.80′
E = 1.20′
P.C. STA = 202+78.61
P.T. STA = 203+09.41

PROP. CURVE PR-BIKE-3
PI STA. = 204+49.13
Δ = 14° 05′ 53″ (RT)
D = 25° 27′ 53″
R = 225.00′
T = 27.82′
L = 55.36′
E = 1.71′
P.C. STA = 204+21.31
P.T. STA = 204+76.67

5 VERT SCALE 0
0 20 HORIZ SCALE
SCALE IN FEET

200+00.00
3.53′ RT

200+03.25
9.18′ LT

200+00

PROPOSED ℄ OF BIKE PATH

10.00′

HENNEPIN CANAL FEEDER

PROPOSED PERMANENT STEEL SHEET PILING

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

6.5′ (TYP)

10.00′

3.5′ (TYP)

EX ROW (TYP)

204+76.67
6.46′ LT

204+76.67
3.79′ LT

204+76.67
4.15′ RT

204+76.67
6.41′ RT

8″

EXISTING BIKE PATH

5 VERT SCALE 0
0 20 HORIZ SCALE
SCALE IN FEET

T/DECK 646.93

PROPOSED BRIDGE DECK

T/DECK 646.60

BOT. BEAM 1
643.74

BOT. BEAM 16
643.41

8.54′ (MIN)

BICYCLE RAILING

636.42

-2.06%

+0.00%

VPI STA. 200+75.52
ELEVATION 634.87

MATCH INTO EXISTING PARKING LOT

EXISTING ALIGNMENT ELEVATION

PROPOSED ALIGNMENT ELEVATION

VPI STA. 203+09.41
ELEVATION 634.87

+0.00%

+3.76%

PROPOSED BIKE PATH PROFILE

EXISTING GROUND PROFILE AT ℄ OF BIKE PATH

VPI STA. 204+21.31
ELEVATION 639.08

+3.76%

+0.00%

639.08

MATCH INTO EXISTING PARKING LOT

200+00	200+50	201+00	201+50	202+00	202+50	203+00	203+50	204+00	204+50
636.42 / 636.42	630.32 / 635.40	634.42 / 634.87	634.39 / 634.87	634.44 / 634.87	633.64 / 634.87	633.90 / 634.87	634.43 / 636.40	636.84 / 638.28	638.72 / 639.08

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
GRADE CHECKED
BM. NOTED
STRUCTURE NO(S)/HS CHKD
NOTE BOOK
NO.
DATE
BY

FILE NAME = S:\JOL\6300--6399\6346\025\Micron\Sht\D264C17-sht-plnprf-path1.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ′ / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
BIKE PATH

SCALE: AS SHOWN | SHEET 1 OF 1 SHEETS | STA. 200+00 TO STA. 204+77

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	28
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGING DESCRIPTIONS:

PRESTAGE:
THE MEDIAN TO THE SOUTH OF THE CONSTRUCTION LIMITS AND THE MEDIAN TO THE NORTH OF THE CONSTRUCTION LIMITS WILL BE USED FOR A TEMPORARY CROSSOVER. USING TRAFFIC CONTROL AND PROTECTION STANDARD 701601 AND TRAFFIC CONTROL AT TRANSITIONS.

TEMPORARY PAVEMENT WILL BE INSTALLED IN LOCATIONS WITHIN THE EXISTING MEDIAN FROM STA. 625+00 TO STA. 629+00 AND STA. 637+66 TO STA. 641+70.

EARTH WORK REQUIRED TO CONSTRUCT TEMPORARY PAVEMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR "TEMPORARY PAVEMENT."

STAGE 1:
NORTHBOUND LANES OF THE BRIDGE AND ROADWAY WILL BE RECONSTRUCTED. USING TRAFFIC CONTROL AND PROTECTION STANDARD 701416 AND TRAFFIC CONTROL AT TRANSITIONS.

NORTHBOUND AND SOUTHBOUND LANES OF THE BRIDGE AND ROADWAY SHALL BE STRIPED FOR WINTER SHUT DOWN STAGE.

STAGE 2:
SOUTHBOUND LANES OF THE BRIDGE AND ROADWAY WILL BE RECONSTRUCTED. USING TRAFFIC CONTROL AND PROTECTION STANDARD 701416 AND TRAFFIC CONTROL AT TRANSITIONS.

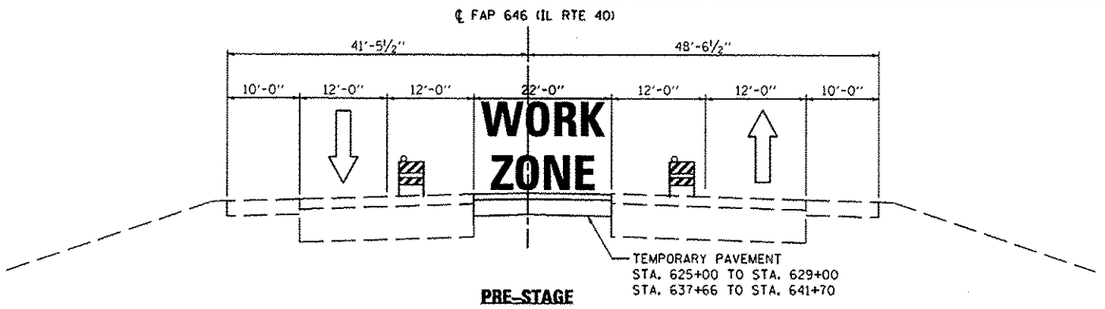
STAGE 3:
PROPOSED MEDIAN IMPROVEMENTS COMPLETED.

PROPOSED CURB AND GUTTER AND TOPSOIL FOR LANDSCAPED MEDIAN COMPLETED USING TRAFFIC CONTROL AND PROTECTION STANDARD 701601 AND TRAFFIC CONTROL AT TRANSITIONS.

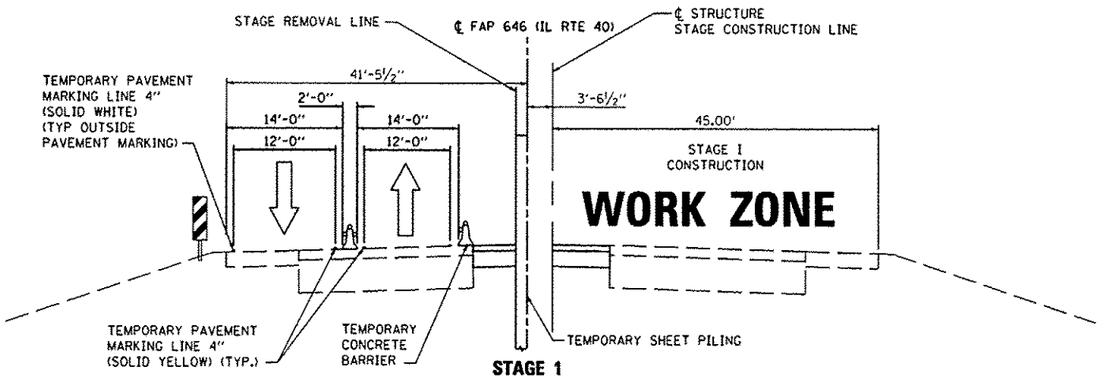
STAGING NOTES:

IL 40 WILL REMAIN OPEN TO TWO-WAY TRAFFIC AT ALL TIMES. THIS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS, THE MAINTENANCE OF TRAFFIC PLANS AND SPECIAL PROVISIONS.

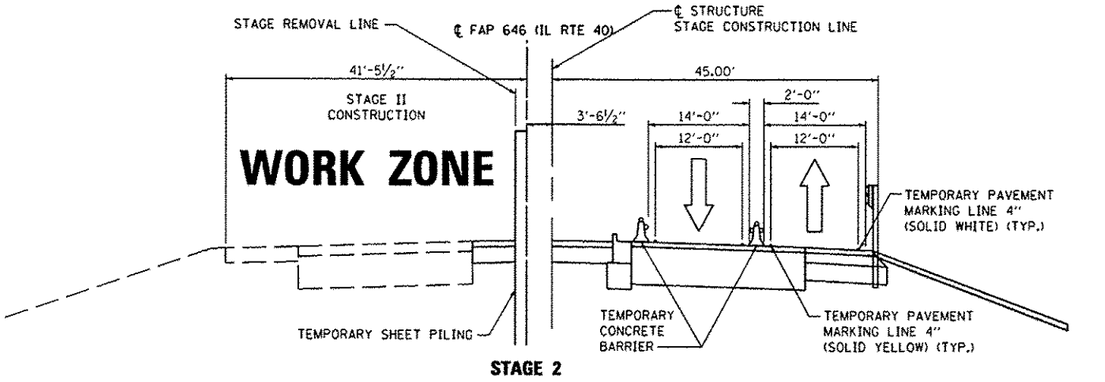
FURNISHING BARRICADES, SPECIAL SIGNS AND OTHER INCIDENTALS NECESSARY TO COMPLETE THE MAINTENANCE OF TRAFFIC PLANS WILL NOT BE MEASURED FOR PAYMENT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS. TEMPORARY PAVEMENT MARKING AND WORK ZONE PAVEMENT MARKING REMOVAL WILL BE PAID FOR ACCORDING TO THE STANDARD SPECIFICATIONS.



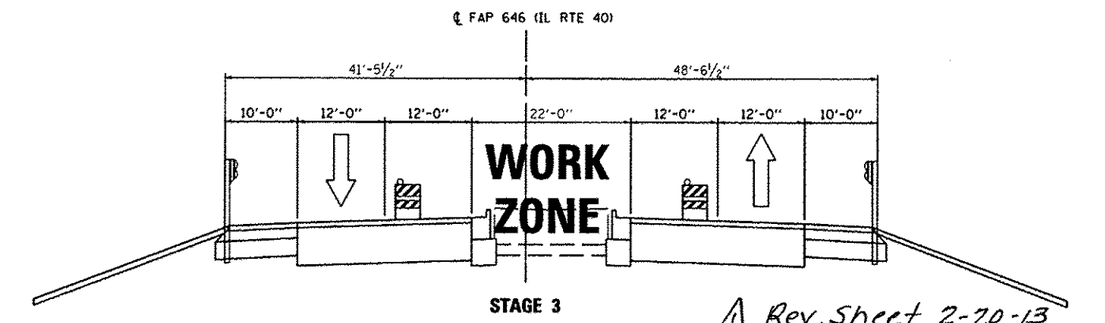
PRE-STAGE



STAGE 1



STAGE 2



STAGE 3

1 Rev. Sheet 2-20-13

FILE NAME = S:\JOL\6388-6399\6346\825\Micron\Sht\0264C17-sht-staging08.dgn

STRAND ASSOCIATES®
1170 SOUTH HOLIBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 100.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -

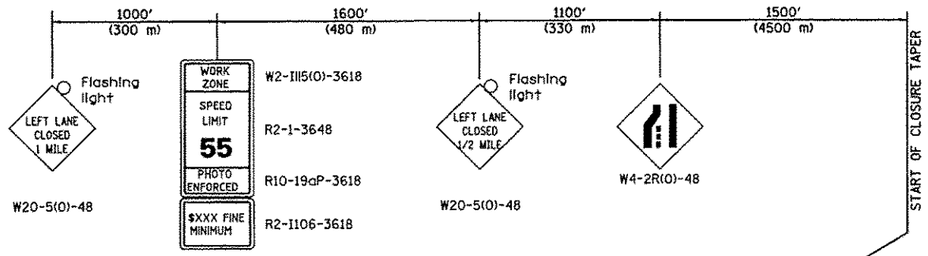
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

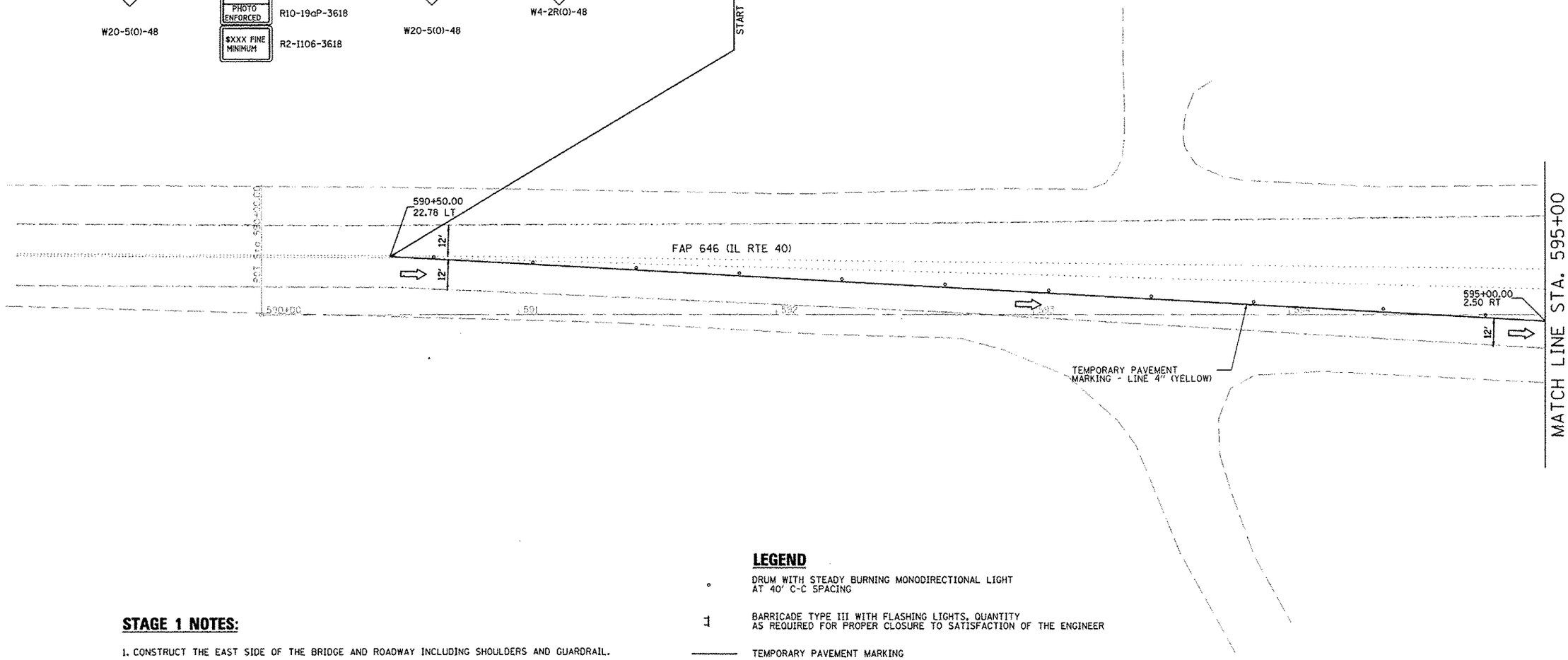
MAINTENANCE OF TRAFFIC
NOTES AND TYPICAL SECTIONS

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	29
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 1





STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

0 FEET 20 40

Rev. Sheet 2-2013

FILE NAME = s:\pw\63288-63991\63485\825\micro\sht\0258417-sht-staging01.dgn

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

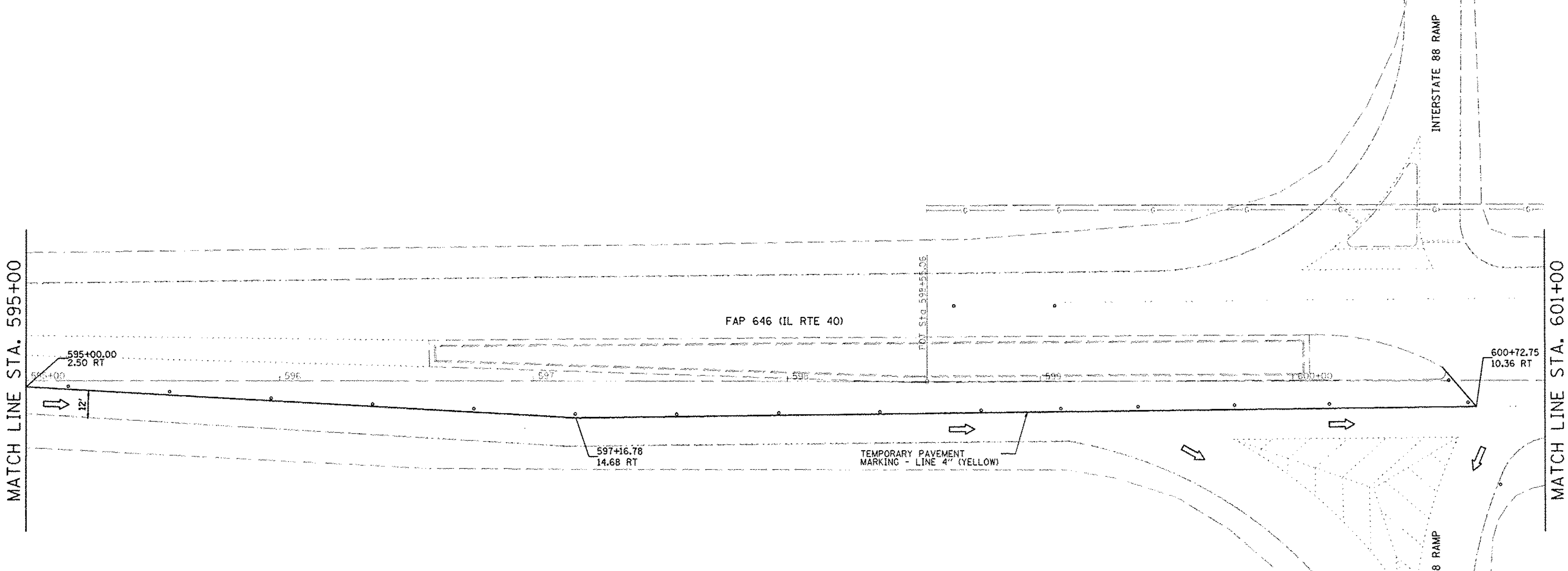
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' | SHEET 1 OF 21 SHEETS | STA. 590+00 TO STA. 595+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	30
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 1



LEGEND

◦	DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
⊐	BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
———	TEMPORARY PAVEMENT MARKING
☒	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
⊦	TRAFFIC SIGN
⇨	DIRECTION OF TRAFFIC
▨	WORK ZONE

STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

N

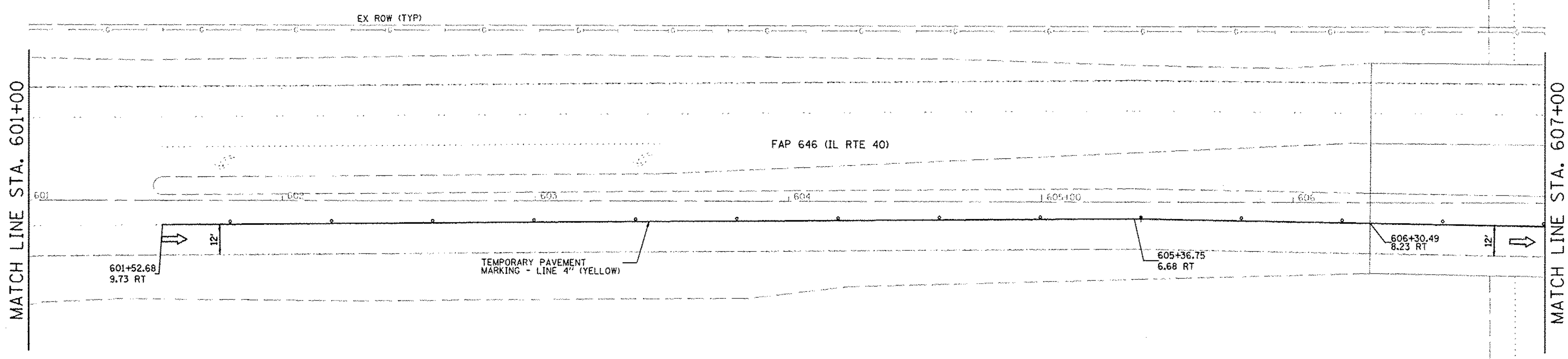
0 FEET 20 40

△1 Rev. 2-20-13

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = vonessam	DESIGNED - VLF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 1
		DRAWN - DJW	REVISED -		
	PLOT SCALE = 40.0000 '/ IN.	CHECKED - MAG	REVISED -		
	PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -		SCALE: 1" = 20' SHEET 2 OF 21 SHEETS STA. 595+00 TO STA. 601+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	31
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 1



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
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5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

EX ROW (TYP)

0 FEET 20 40

Rev. sheet 2-20-13

FILE NAME = s:\pl\6300--6399\6346\025\microstation\sht\0264C17-sht-staging03.dgn

STRAND ASSOCIATES, 1170 SOUTH HOUBOLT ROAD, JOLIET, ILLINOIS 60431, (815) 744-4200

USER NAME = vanessom	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 '/ IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

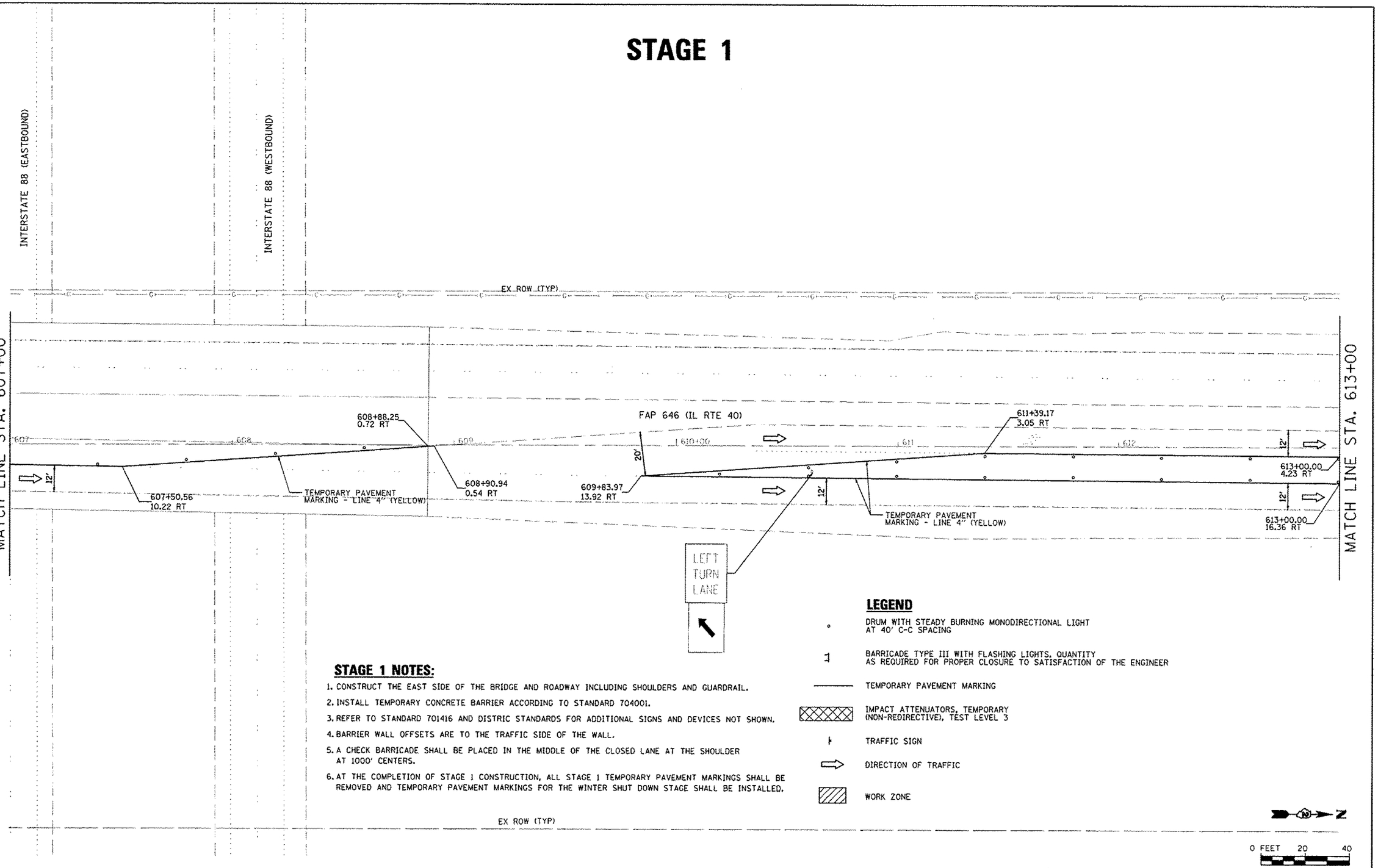
MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' | SHEET 3 OF 21 SHEETS | STA. 601+00 TO STA. 607+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	32
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 1



STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

N

0 FEET 20 40

Rev. Sheet 2-20-13

FILE NAME = w:\jol\6328-6599\6346\825\source\sht\0264C17-sht-staging04.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

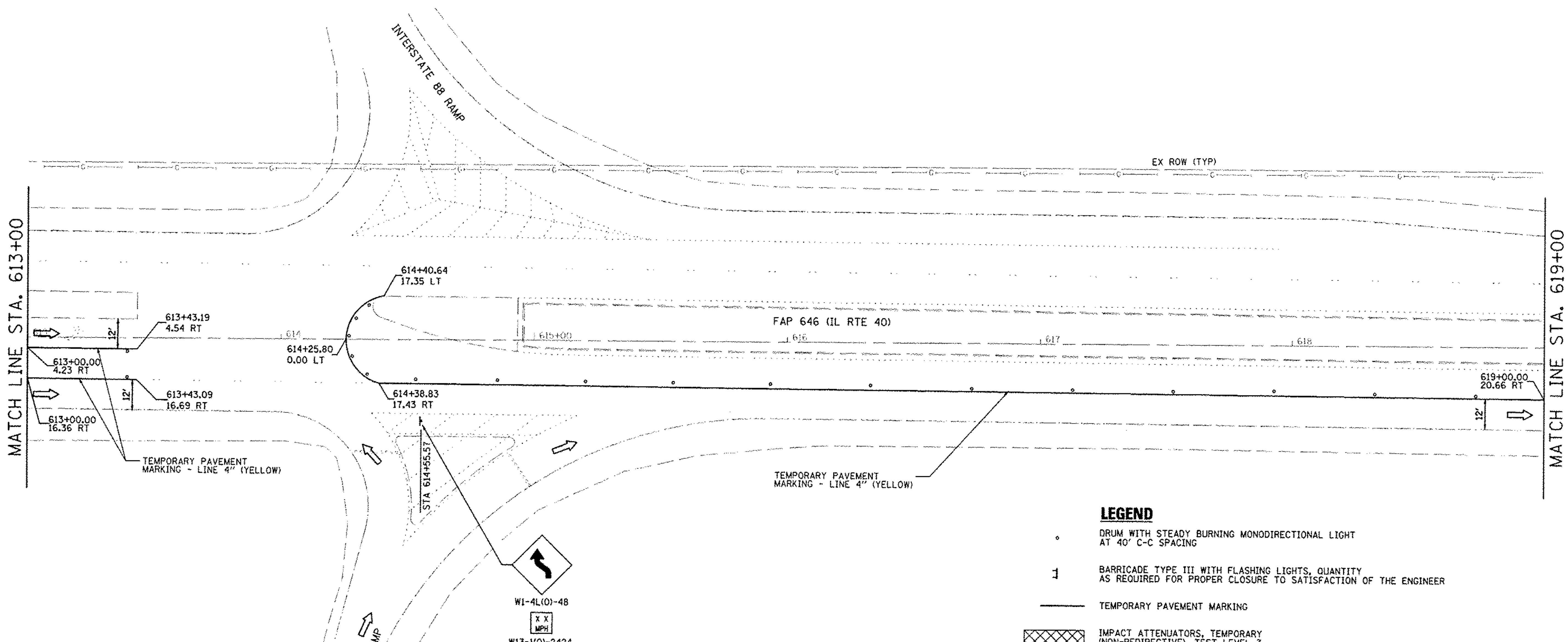
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' | SHEET 4 OF 21 SHEETS | STA. 607+00 TO STA. 613+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	33
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 1



LEGEND

Symbol	Description
◦	DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
	BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
	TEMPORARY PAVEMENT MARKING
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	TRAFFIC SIGN
	DIRECTION OF TRAFFIC
	WORK ZONE

STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

EX ROW (TYP)

N

0 FEET 20 40

△1 Rev. Sheet 2-20-13

FILE NAME = ...\5380-5399\5346\825\macros\sht\204017-sht-staging05.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200

USER NAME = vanesson	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

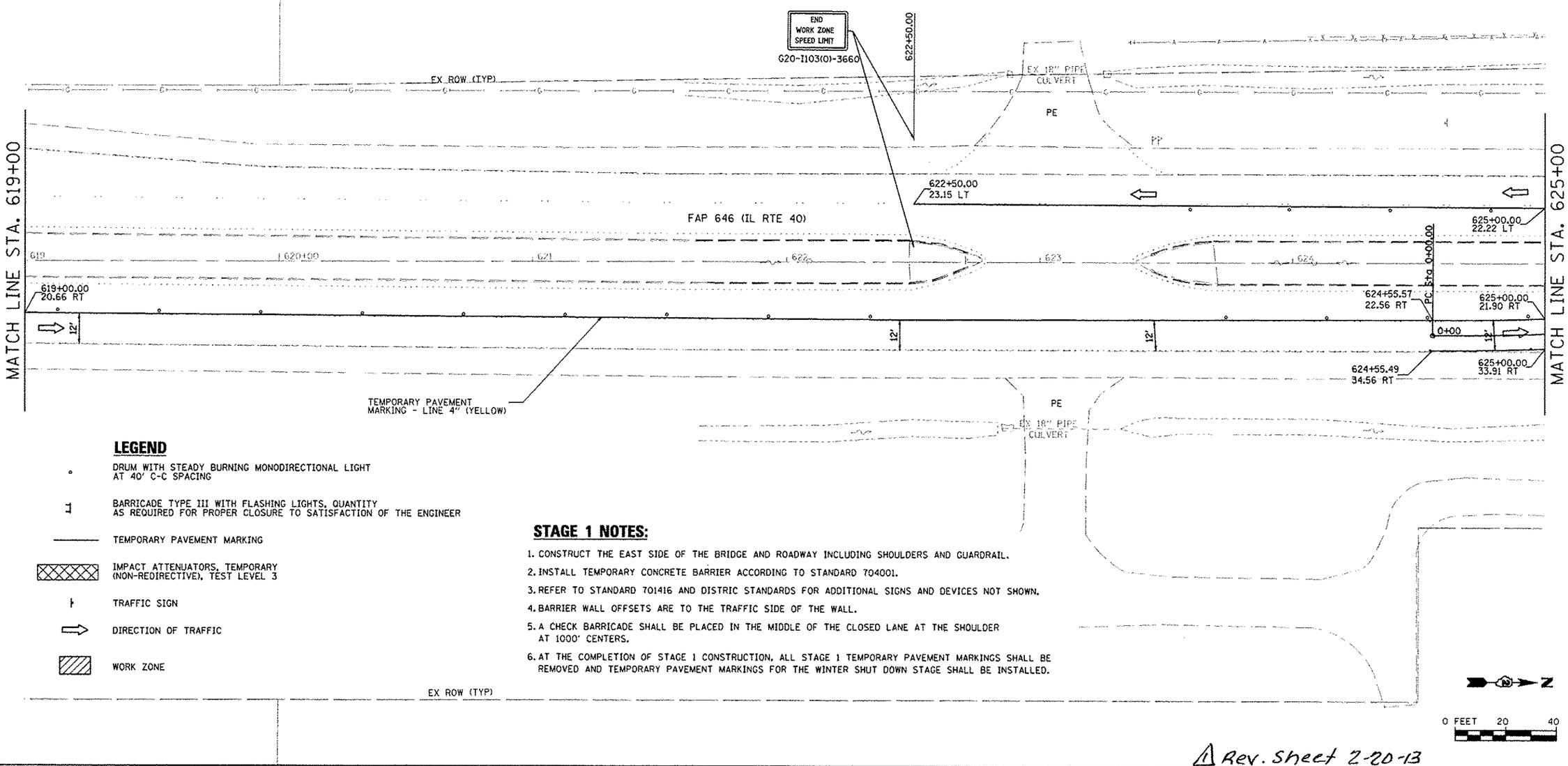
MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' | SHEET 5 OF 21 SHEETS | STA. 613+00 TO STA. 619+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	34
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 1



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

1 Rev. Sheet 2-20-13

FILE NAME = e:\plot\c328-6399\6346\825\micron\sht\0264C17-sht-stage1g86.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1

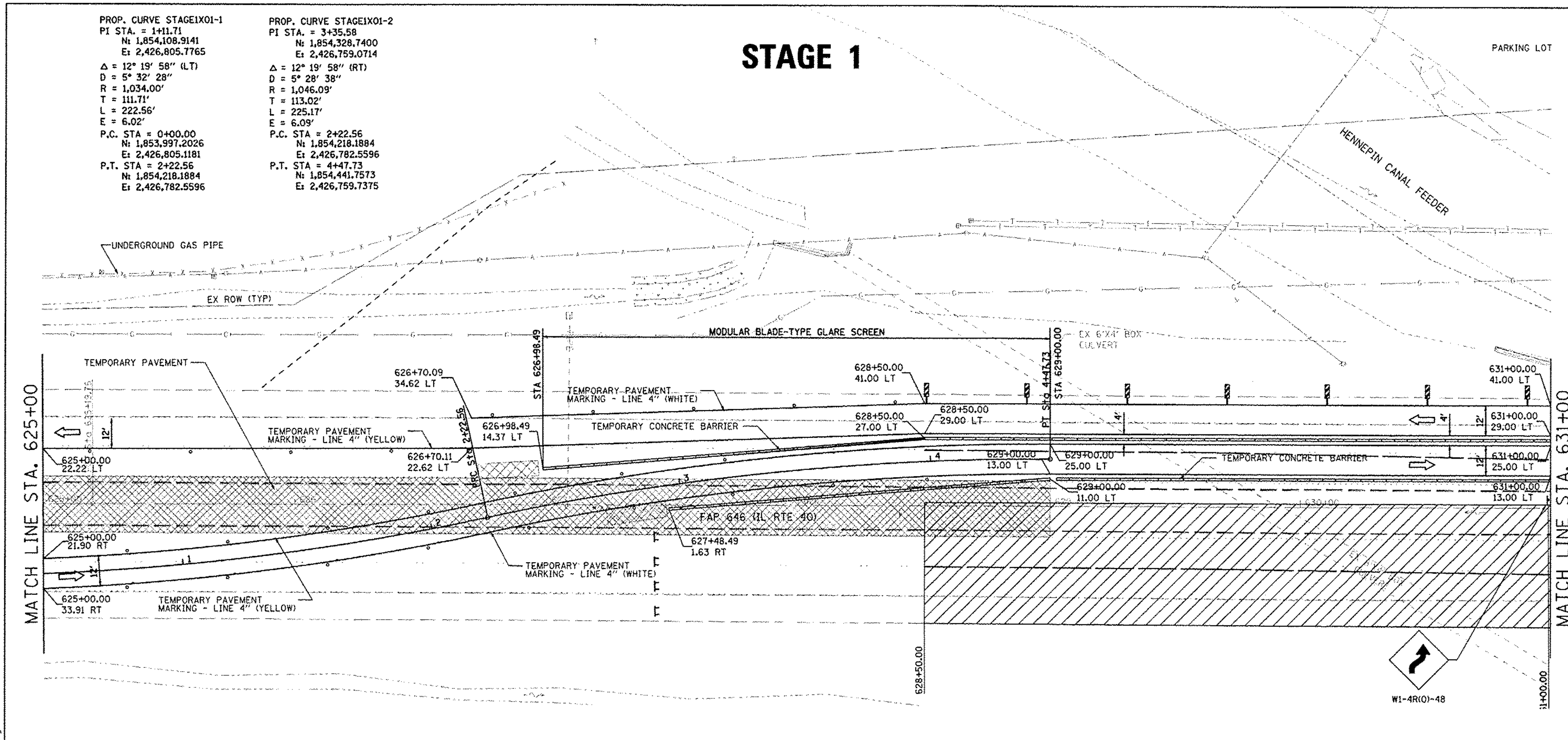
SCALE: 1" = 20' | SHEET 6 OF 21 SHEETS | STA. 619+00 TO STA. 625+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	35
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 1

PROP. CURVE STAGE1X01-1
PI STA. = 1+11.71
N: 1,854,108.9141
E: 2,426,805.7765
Δ = 12° 19′ 58″ (LT)
D = 5° 32′ 28″
R = 1,034.00′
T = 111.71′
L = 222.56′
E = 6.02′
P.C. STA = 0+00.00
N: 1,853,997.2026
E: 2,426,805.1181
P.T. STA = 2+22.56
N: 1,854,218.1884
E: 2,426,782.5596

PROP. CURVE STAGE1X01-2
PI STA. = 3+35.58
N: 1,854,328.7400
E: 2,426,759.0714
Δ = 12° 19′ 58″ (RT)
D = 5° 28′ 38″
R = 1,046.09′
T = 113.02′
L = 225.17′
E = 6.09′
P.C. STA = 2+22.56
N: 1,854,218.1884
E: 2,426,782.5596
P.T. STA = 4+47.73
N: 1,854,441.7573
E: 2,426,759.7375



STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

N

0 FEET 20 40

Rev. Sheet 2-20-13

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

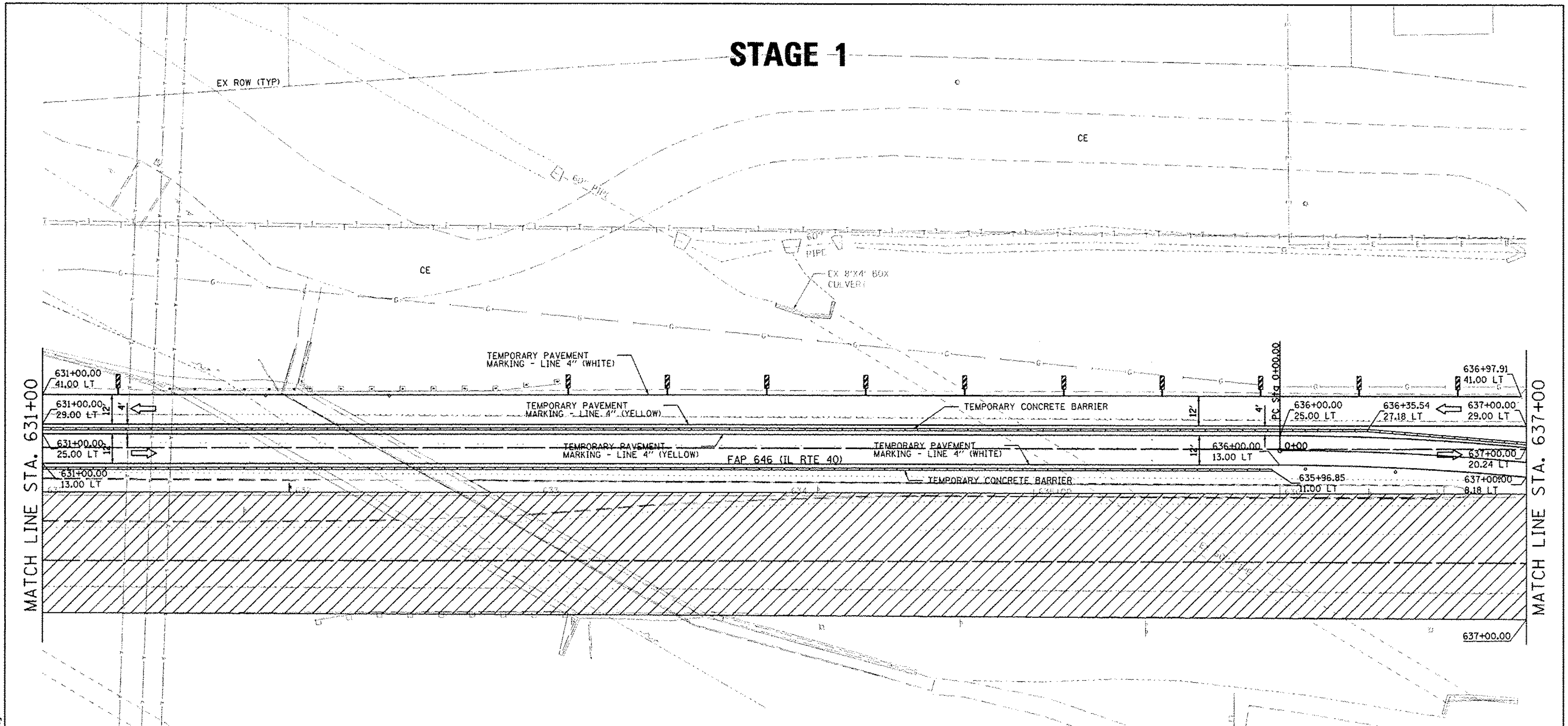
MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' | SHEET 7 OF 21 SHEETS | STA. 625+00 TO STA. 631+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	36
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 1



STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

1 Rev. Sheet 2-20-13

FILE NAME = w:\jol\6300-6399\6346\025\sacrosent\sht\0264C17-sht-staging08.dgn

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessan	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20' | SHEET 8 OF 21 SHEETS | STA. 631+00 TO STA. 637+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	37

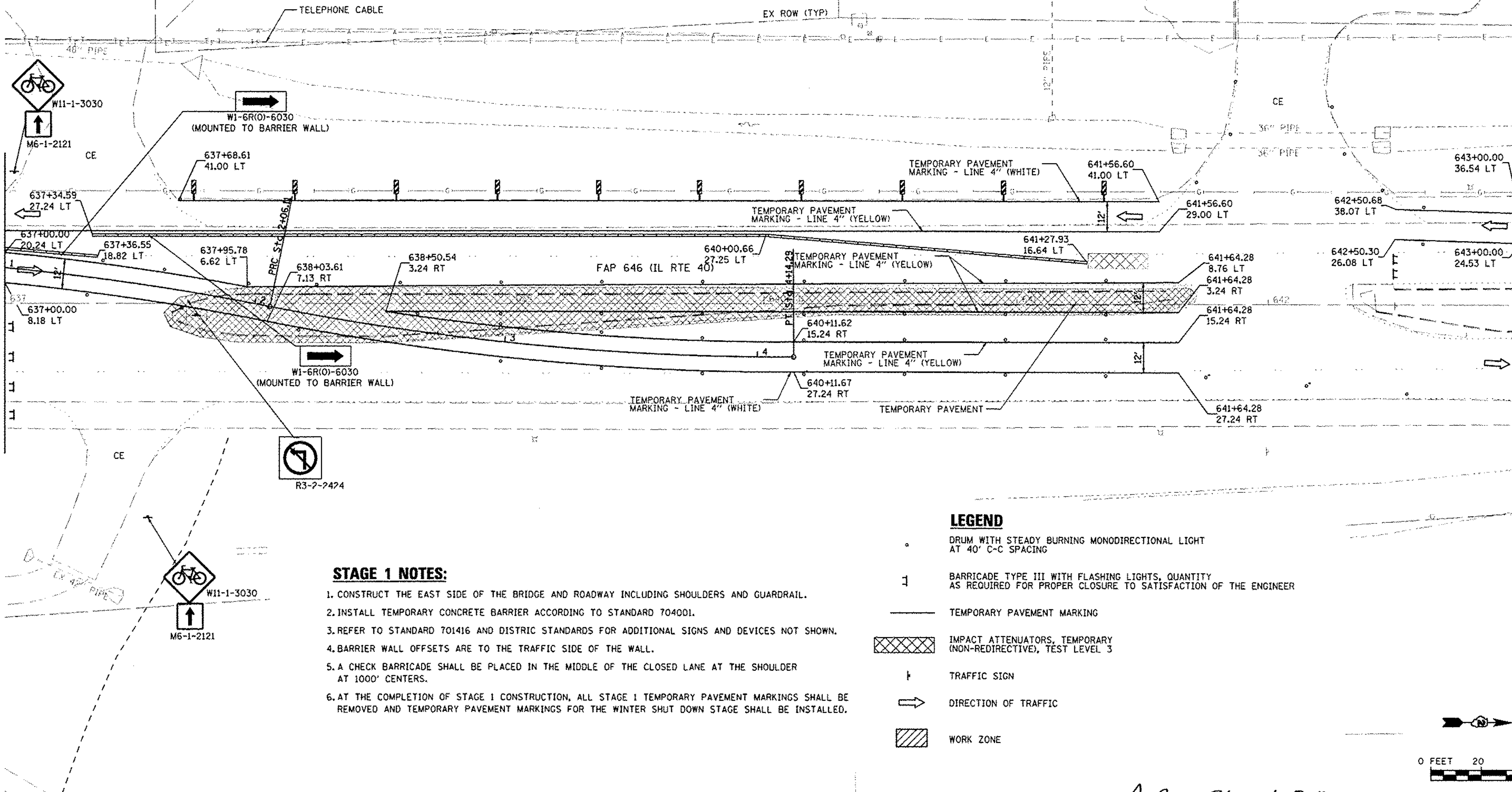
CONTRACT NO. 64C17

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 1

PROP. CURVE STAGE1X02-1
PI STA. = 1+03.39
N: 1,855,245.1294
E: 2,426,764.4727
Δ = 11° 17′ 24″ (RT)
D = 5° 28′ 39″
R = 1,046.00′
T = 103.39′
L = 206.11′
E = 5.10′
P.C. STA = 0+00.00
N: 1,855,141.7408
E: 2,426,763.8633
P.T. STA = 2+06.11
N: 1,855,346.3980
E: 2,426,785.3111

PROP. CURVE STAGE1X02-2
PI STA. = 3+10.55
N: 1,855,448.6973
E: 2,426,806.3617
Δ = 11° 32′ 08″ (LT)
D = 5° 32′ 28″
R = 1,034.00′
T = 104.44′
L = 208.18′
E = 5.26′
P.C. STA = 2+06.11
N: 1,855,346.3980
E: 2,426,785.3111
P.T. STA = 4+14.29
N: 1,855,553.1399
E: 2,426,806.5295



STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000′ CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40′ C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

0 FEET 20 40

Δ Rev. Sheet 2-20-13

STRAND ASSOCIATES 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = vanessam	DESIGNED - VLF	REVISED -
		DRAWN - DJW	REVISED -
	PLOT SCALE = 40.0000 ′ / IN.	CHECKED - MAG	REVISED -
	PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1

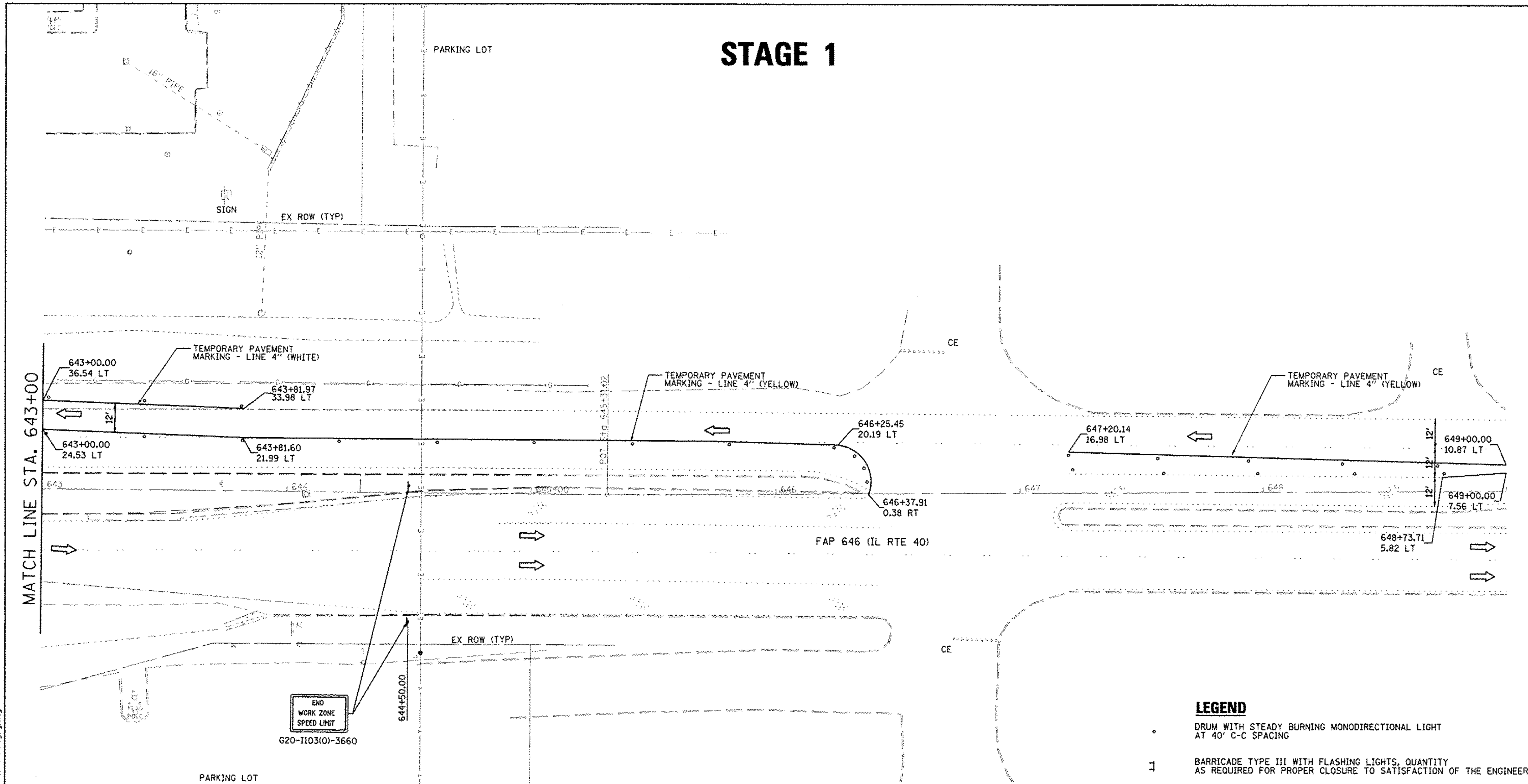
SCALE: 1″ = 20′ | SHEET 9 OF 21 SHEETS | STA. 637+00 TO STA. 643+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	38

CONTRACT NO. 64C17

FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT

STAGE 1



STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000' CENTERS.
6. AT THE COMPLETION OF STAGE 1 CONSTRUCTION, ALL STAGE 1 TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED AND TEMPORARY PAVEMENT MARKINGS FOR THE WINTER SHUT DOWN STAGE SHALL BE INSTALLED.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

N

0 FEET 20 40

1 Rev. Sheet 2-20-13

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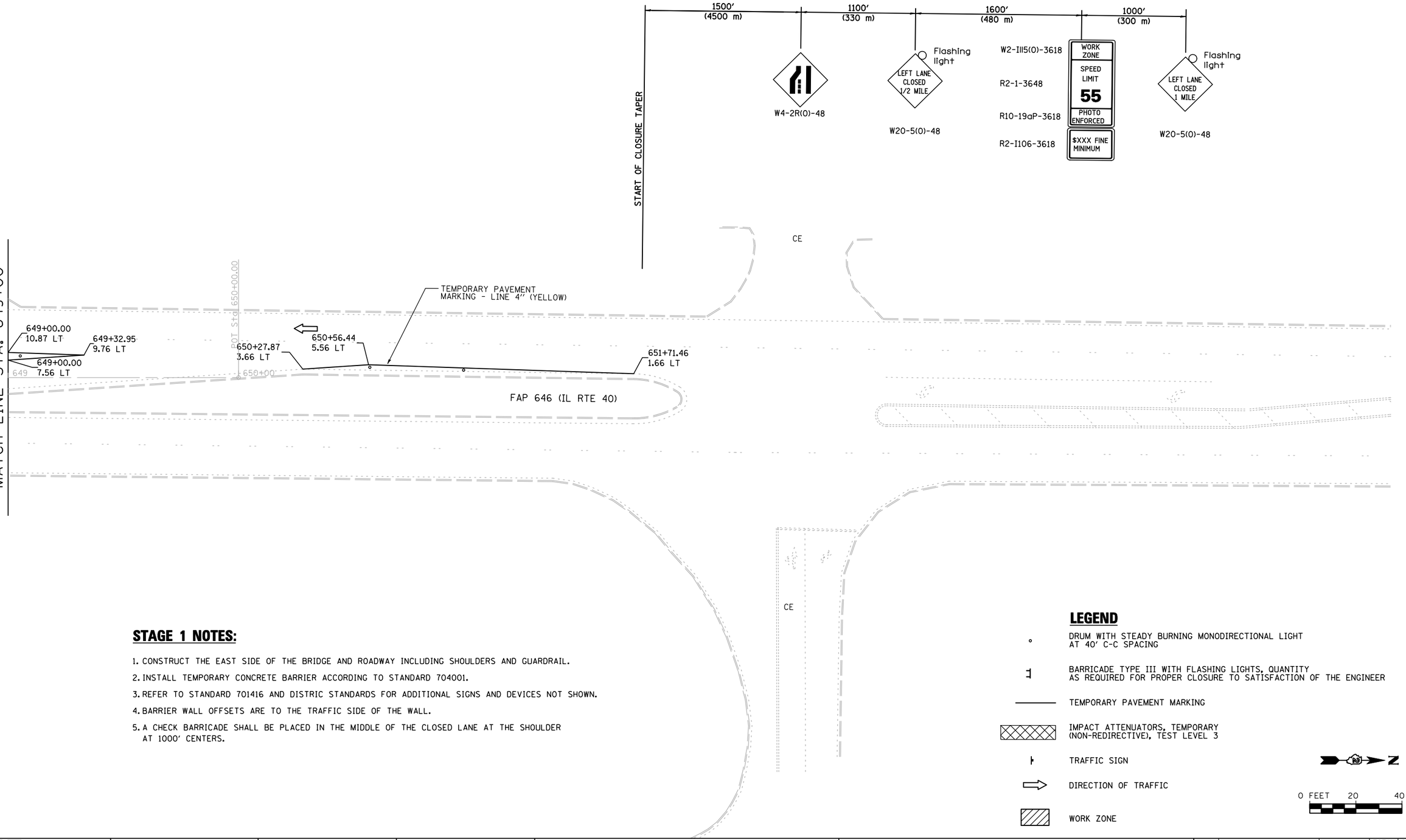
STRAND ASSOCIATES 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = vanessam	DESIGNED - VLF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - DJW	REVISED -	
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
	PLOT DATE = 2/18/2013	DATE - 10-12-12	REVISED -	

MAINTENANCE OF TRAFFIC STAGE 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1" = 20' SHEET 10 OF 21 SHEETS STA. 643+00 TO STA. 649+00	646	101 BR-3	WHITESIDE	113	39
			CONTRACT NO. 64C17		
	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 1



STAGE 1 NOTES:

1. CONSTRUCT THE EAST SIDE OF THE BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
2. INSTALL TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. REFER TO STANDARD 701416 AND DISTRIC STANDARDS FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
4. BARRIER WALL OFFSETS ARE TO THE TRAFFIC SIDE OF THE WALL.
5. A CHECK BARRICADE SHALL BE PLACED IN THE MIDDLE OF THE CLOSED LANE AT THE SHOULDER AT 1000′ CENTERS.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40′ C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

0 FEET 20 40

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ′ / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

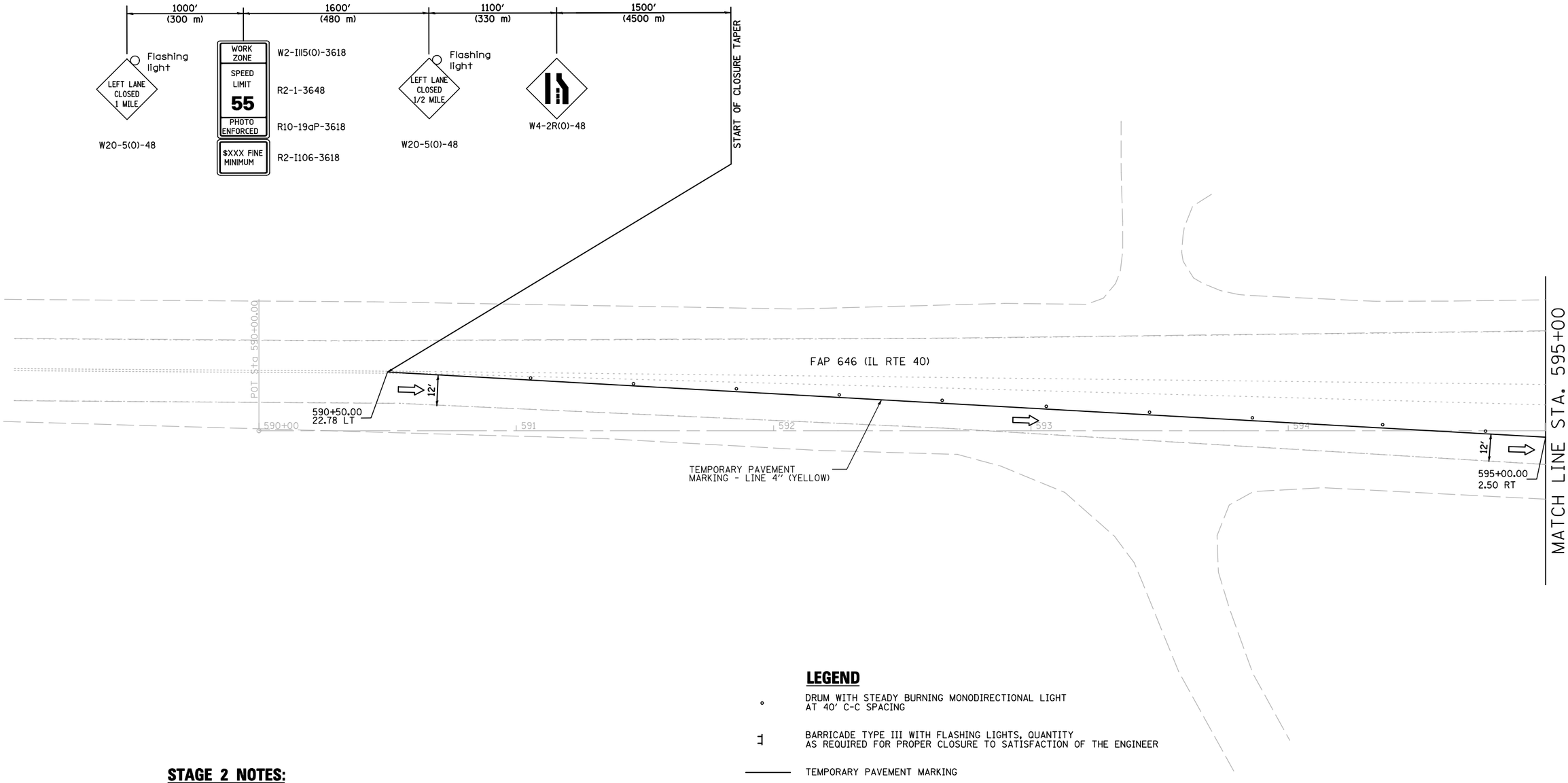
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 1

SCALE: 1" = 20′ | SHEET 21 OF 21 SHEETS | STA. 649+00 | TO STA. 650+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	40
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2



STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

N

0 FEET 20 40

FILE NAME = s:\pw\6300-6399\6346\025\micros\sht\D264C17-sht-stagng12.dgn

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -	

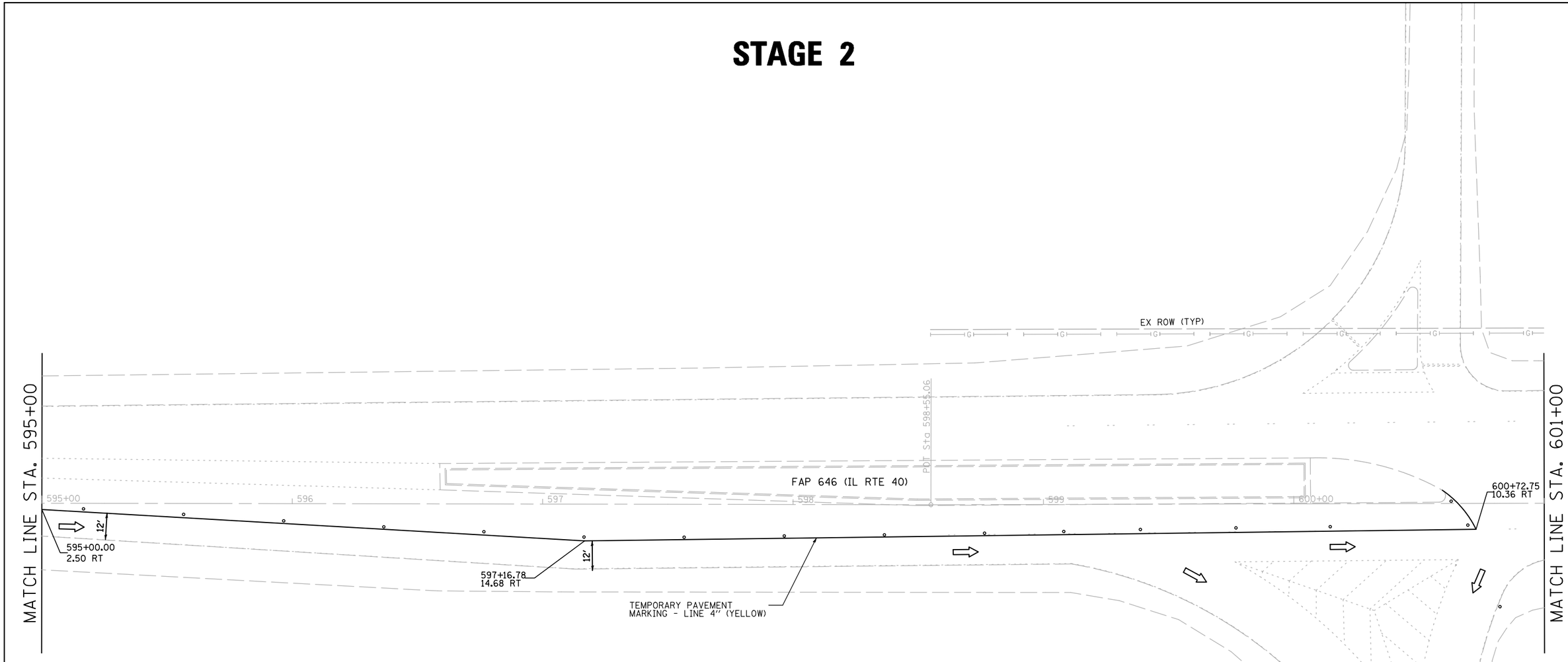
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 11 OF 21 SHEETS | STA. 590+00 | TO STA. 595+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	41
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2



STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

EX ROW (TYP)

0 FEET 20 40

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

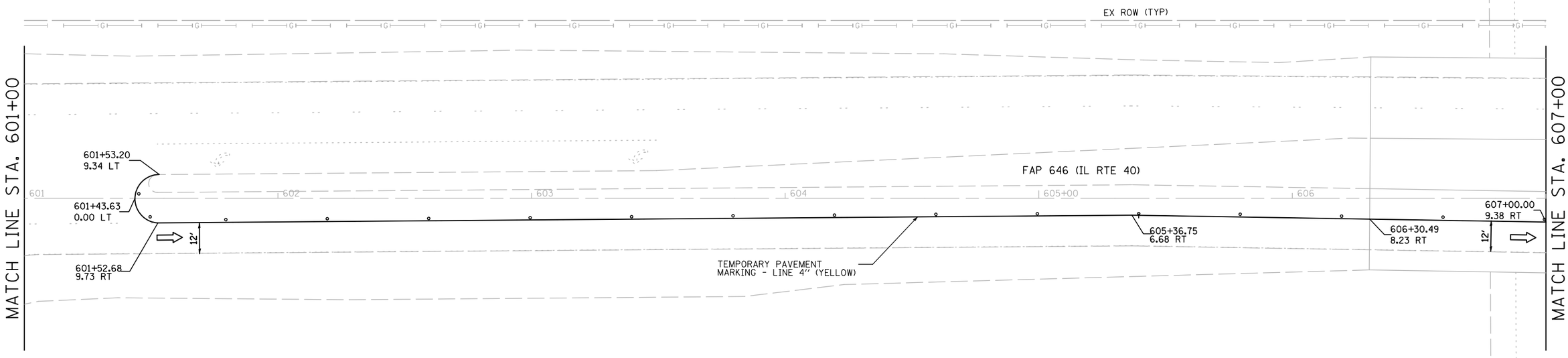
MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 12 OF 21 SHEETS | STA. 595+00 TO STA. 601+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	42
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 2



LEGEND

- ° DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

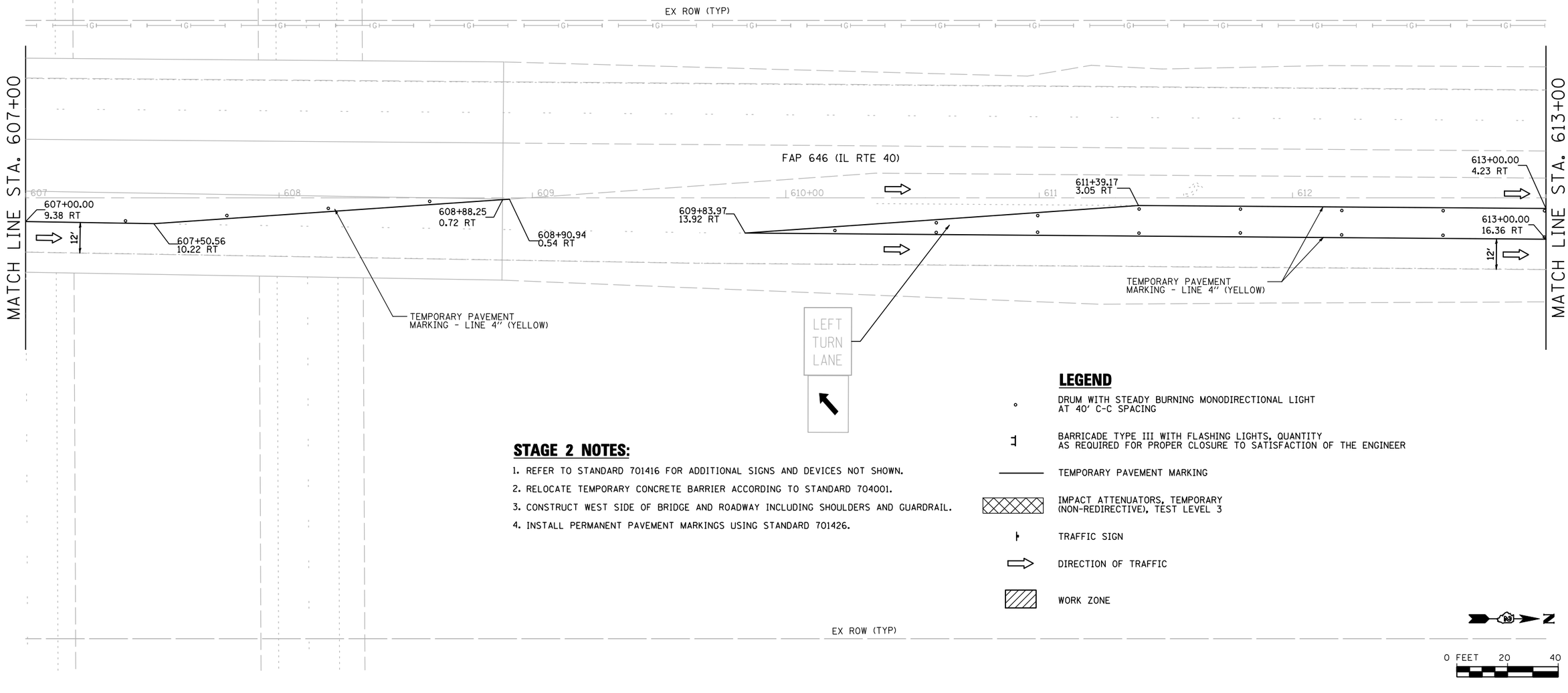
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 13 OF 21 SHEETS | STA. 601+00 | TO STA. 607+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	43
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2



STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

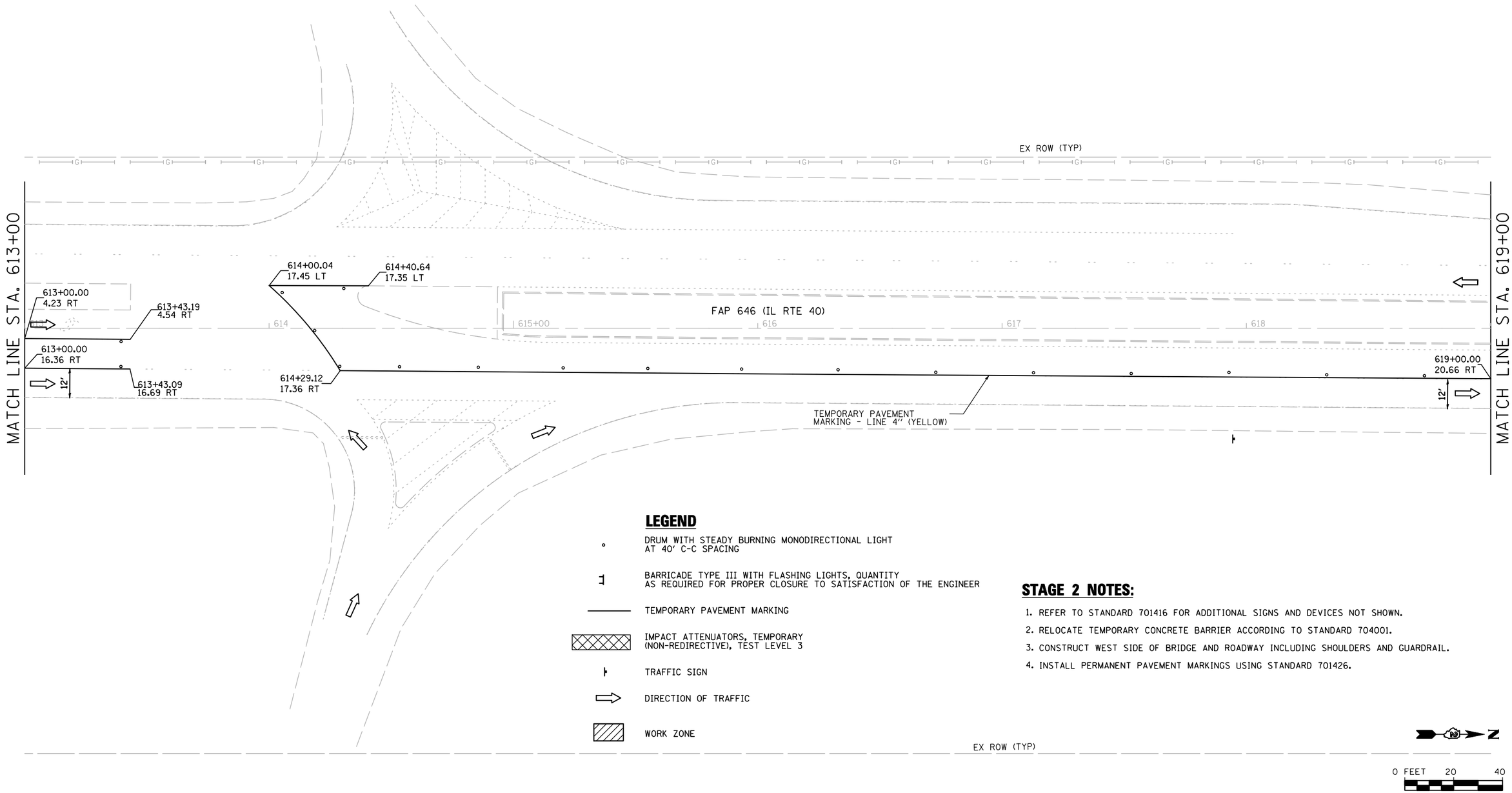
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 14 OF 21 SHEETS | STA. 607+00 | TO STA. 613+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	44
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

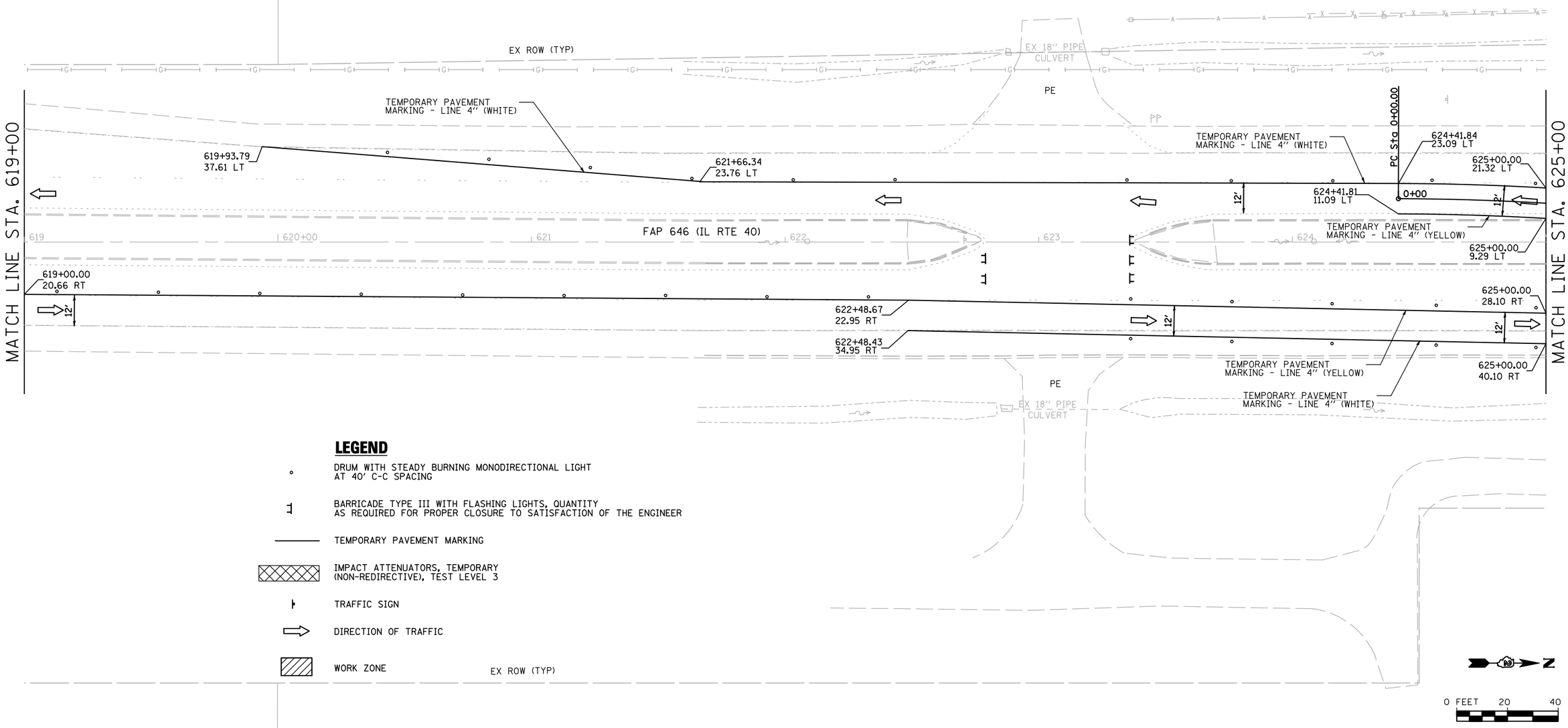
SCALE: 1" = 20' | SHEET 15 OF 21 SHEETS | STA. 613+00 | TO STA. 619+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	45
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 16 OF 21 SHEETS | STA. 619+00 | TO STA. 625+00

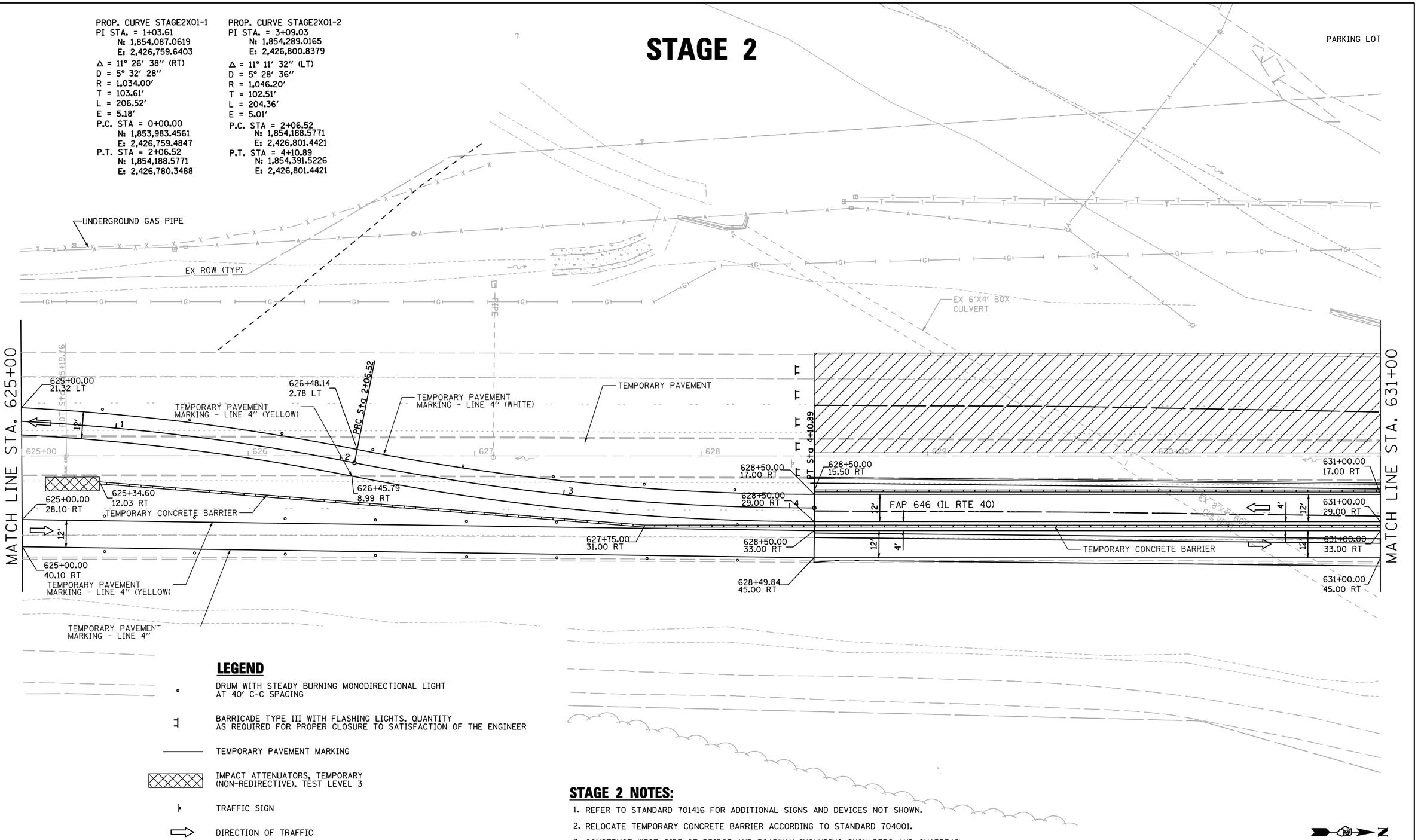
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	46
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 2

PROP. CURVE STAGE2X01-1
PI STA. = 1+03.61
N: 1,854,087.0619
E: 2,426,759.6403
Δ = 11° 26′ 38″ (RT)
D = 5° 32′ 28″
R = 1,034.00′
T = 103.61′
L = 206.52′
E = 5.18′
P.C. STA = 0+00.00
N: 1,853,983.4561
E: 2,426,759.4847
P.T. STA = 2+06.52
N: 1,854,188.5771
E: 2,426,780.3488

PROP. CURVE STAGE2X01-2
PI STA. = 3+09.03
N: 1,854,289.0165
E: 2,426,800.8379
Δ = 11° 11′ 32″ (LT)
D = 5° 28′ 36″
R = 1,046.20′
T = 102.51′
L = 204.36′
E = 5.01′
P.C. STA = 2+06.52
N: 1,854,188.5771
E: 2,426,801.4421
P.T. STA = 4+10.89
N: 1,854,391.5226
E: 2,426,801.4421



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40′ C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

N

0 FEET 20 40

FILE NAME = s:\pl\63080-6399\6346\825\micros\sht\D2844C17-sht-staging18.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ′ / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

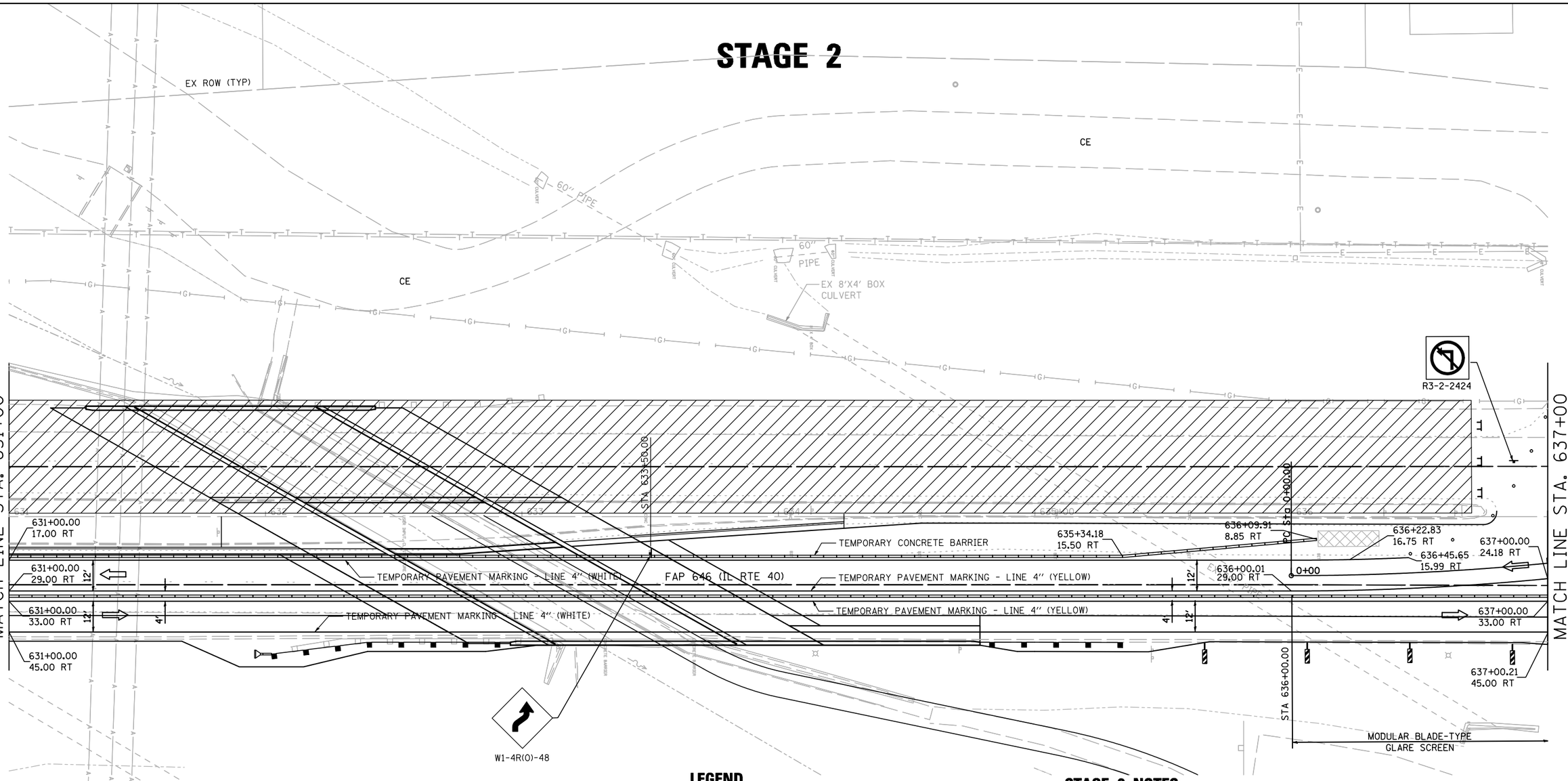
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20′ | SHEET 17 OF 21 SHEETS | STA. 625+00 | TO STA. 631+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	47
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

N

0 FEET 20 40

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 18 OF 21 SHEETS | STA. 631+00 | TO STA. 637+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	48
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2

PROP. CURVE STAGE2X02-1
PI STA. = 0+95.82
N: 1,855,237.3109
E: 2,426,806.4273
Δ = 10° 35′ 21″ (LT)
D = 5° 32′ 28″
R = 1,034.00′
T = 95.82′
L = 191.10′
E = 4.43′
P.C. STA = 0+00.00
N: 1,855,141.4902
E: 2,426,805.8625
P.T. STA = 1+91.10
N: 1,855,331.6036
E: 2,426,789.3740

PROP. CURVE STAGE2X02-2
PI STA. = 2+84.15
N: 1,855,423.1683
E: 2,426,772.8141
Δ = 10° 10′ 01″ (RT)
D = 5° 28′ 39″
R = 1,046.00′
T = 93.05′
L = 185.61′
E = 4.13′
P.C. STA = 1+91.10
N: 1,855,331.6036
E: 2,426,789.3740
P.T. STA = 3+76.71
N: 1,855,516.2183
E: 2,426,772.6771

MATCH LINE STA. 637+00

MATCH LINE STA. 643+00

TELEPHONE CABLE

EX ROW (TYP)

48″ PIPE

24″ PIPE

12″ PIPE

12″ PIPE

36″ PIPE

36″ PIPE

CE

W11-1-3030

M6-1-2121

TEMPORARY PAVEMENT

TEMPORARY PAVEMENT MARKING - LINE 4″ (WHITE)

PRC Sta 1+91.10

PT Sta 3+76.71

639+74.48
18.39 LT

639+74.57
6.39 LT

641+70.78
20.11 LT

642+40.07
20.84 LT°

641+69.85
2.72 RT

637+88.91
0.51 LT

W1-6R(0)-6030

637+00.00
24.18 RT

637+45.82
20.80 RT

637+50.59
31.00 RT

637+91.12
11.29 RT

638+08.29
10.27 RT

639+47.12
1.92 LT

639+73.40
2.97 RT

640+29.67
14.90 RT

641+69.87
14.72 RT

639+29.77
29.61 RT

FAP 646 (IL RTE 40)

641+69.88
26.06 RT

637+00.00
33.00 RT

637+77.15
31.86 RT

641+70.06
38.06 RT

637+00.21
45.00 RT

TEMPORARY PAVEMENT
MARKING - LINE 4″ (YELLOW)

TEMPORARY PAVEMENT
MARKING - LINE 4″ (WHITE)

CE

W1-6R(0)-6030

MODULAR BLADE-TYPE
GLARE SCREEN

STA 637+50.59

EX 12″ PIPE

R3-2-2424

W11-1-3030

M6-1-2121

END
WORK ZONE
SPEED LIMIT

G20-1103(0)-3660

PARKING LOT

LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40′ C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

0 FEET 20 40

FILE NAME = S:\IDL\6300-6399\6346\025\Micros\Sht\D2564C17-sht-staging28.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ′ / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/16/2012	DATE - 10-12-12	REVISED -	

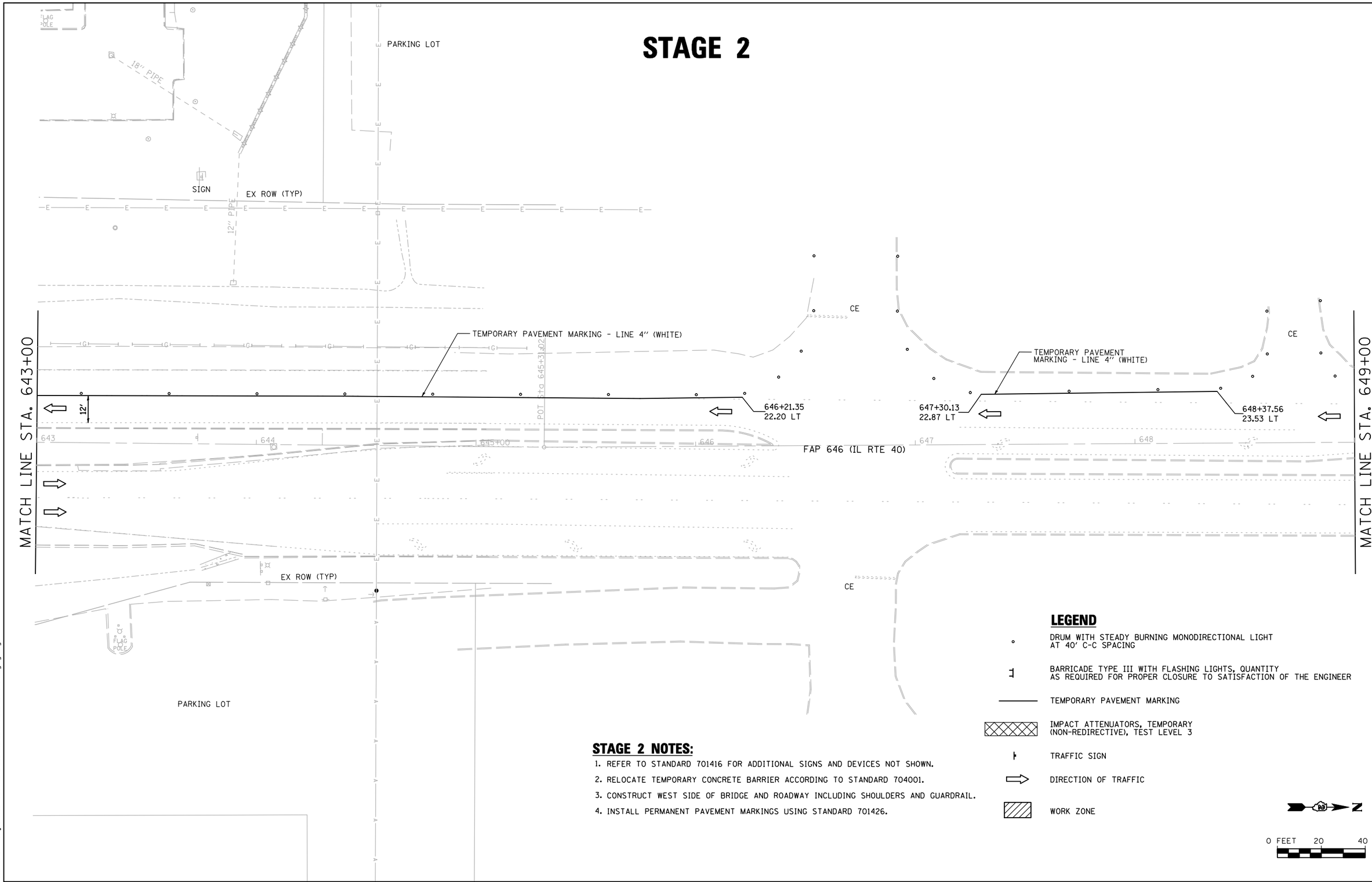
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1″ = 20′ | SHEET 19 OF 21 SHEETS | STA. 637+00 TO STA. 643+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	49
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

STAGE 2



LEGEND

- DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

N

0 FEET 20 40

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

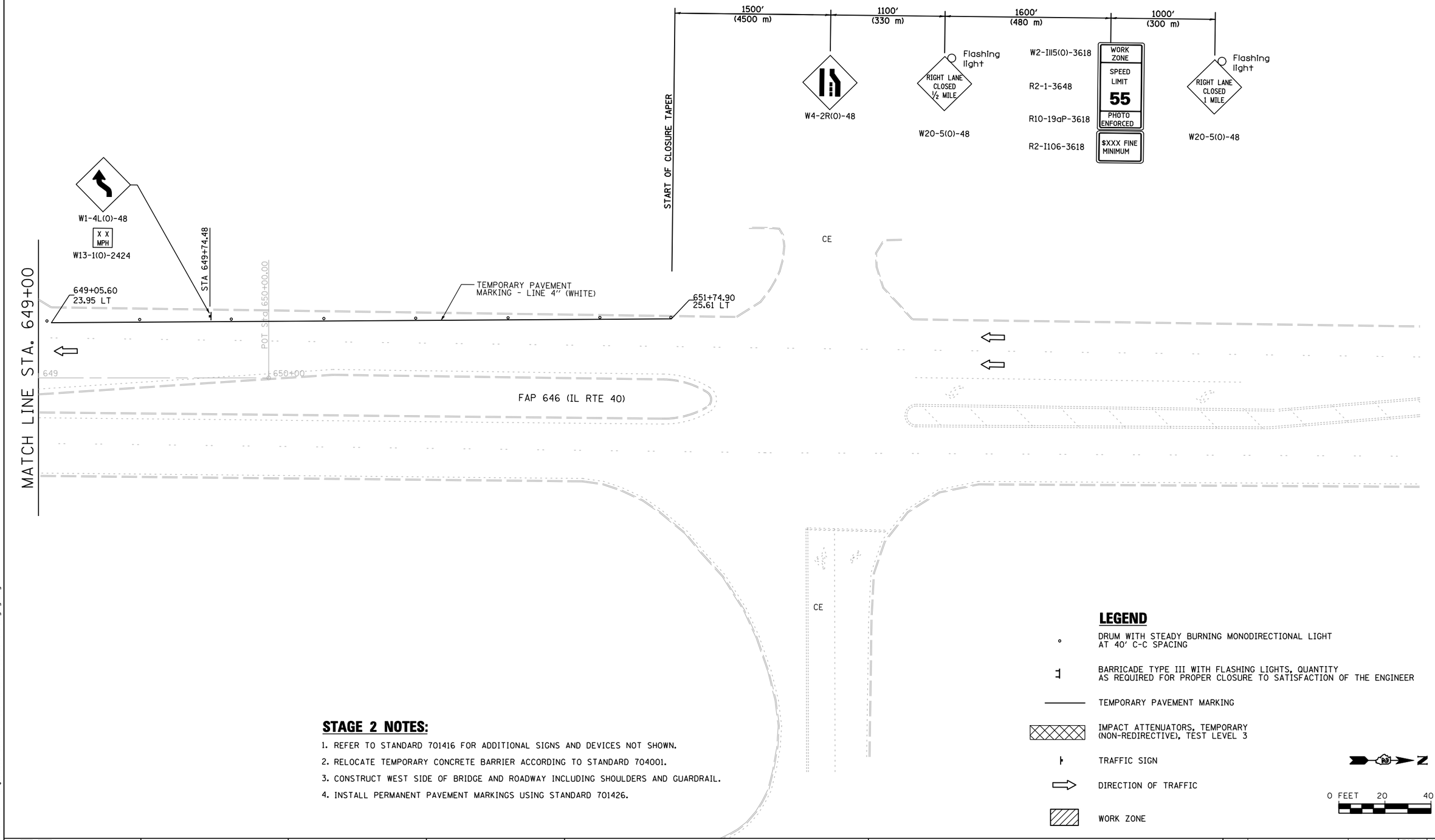
MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 20 OF 21 SHEETS | STA. 643+00 TO STA. 649+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	50
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE 2



LEGEND

- ° DRUM WITH STEADY BURNING MONODIRECTIONAL LIGHT AT 40' C-C SPACING
- BARRICADE TYPE III WITH FLASHING LIGHTS, QUANTITY AS REQUIRED FOR PROPER CLOSURE TO SATISFACTION OF THE ENGINEER
- TEMPORARY PAVEMENT MARKING
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGN
- DIRECTION OF TRAFFIC
- WORK ZONE

0 FEET 20 40

STAGE 2 NOTES:

1. REFER TO STANDARD 701416 FOR ADDITIONAL SIGNS AND DEVICES NOT SHOWN.
2. RELOCATE TEMPORARY CONCRETE BARRIER ACCORDING TO STANDARD 704001.
3. CONSTRUCT WEST SIDE OF BRIDGE AND ROADWAY INCLUDING SHOULDERS AND GUARDRAIL.
4. INSTALL PERMANENT PAVEMENT MARKINGS USING STANDARD 701426.

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

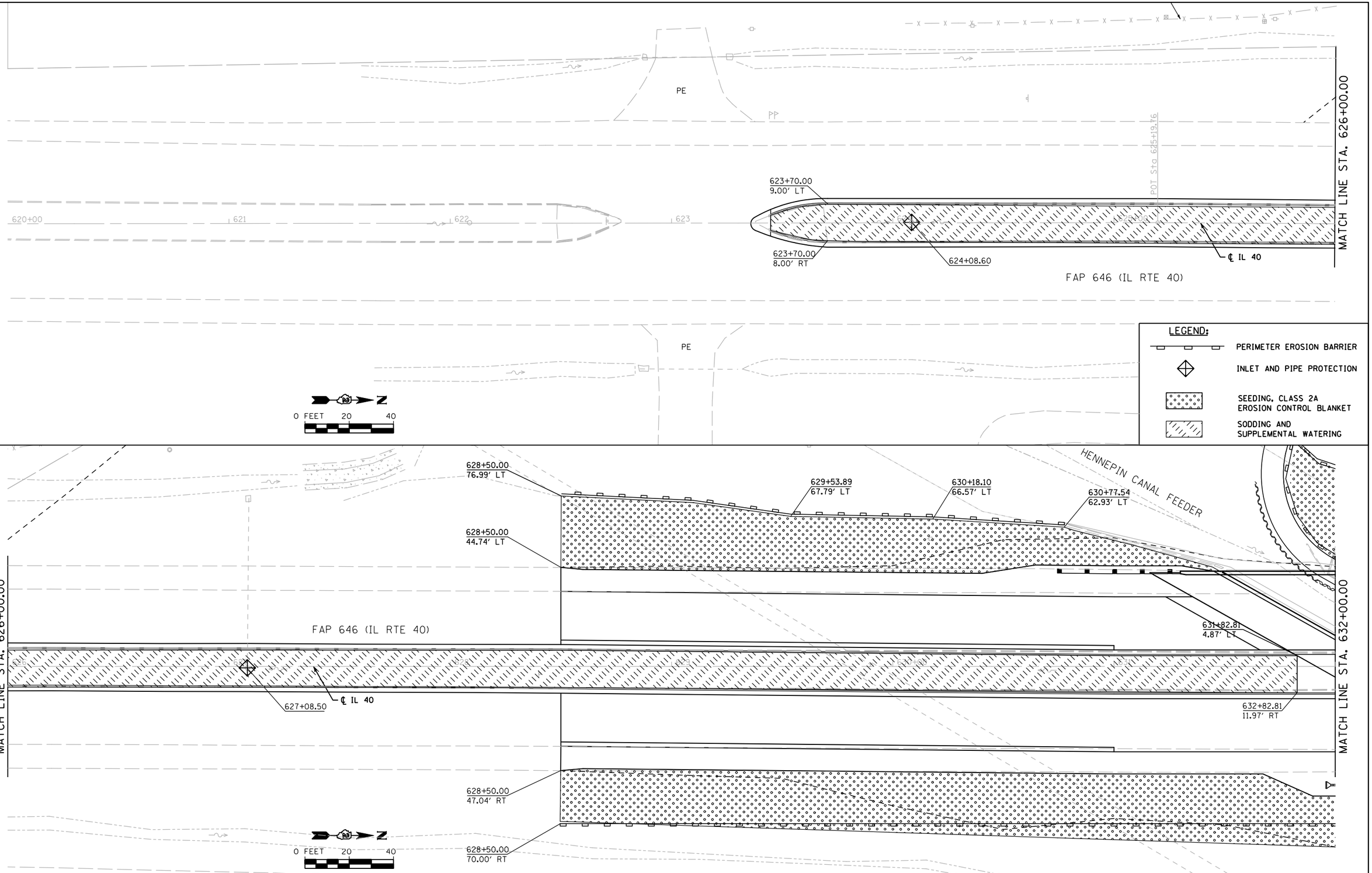
USER NAME = vanessam	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/15/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 2

SCALE: 1" = 20' | SHEET 21 OF 21 SHEETS | STA. 649+00 | TO STA. 650+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	51
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		



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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -
		DRAWN - DJW	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL SHEETS

SCALE: 1" = 20' | SHEET 1 OF 3 SHEETS | STA. 620+00 | TO STA. 632+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	52
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

MATCH LINE STA. 632+00.00

632+35.97
78.30' LT

633+49.65
81.34' LT

634+11.34
66.08' LT

637+00.00
65.00' LT

637+00.00
44.52' LT

CE

FAP 646 (IL RTE 40)

60" PIPE

60" PIPE

EX 8'X4' BOX CULVERT

48" PIPE

EX 60" PIPE

632 | 633 | 634 | 635+00 | 636 | 637

HENNEPIN CANAL FEEDER

634+91.43
79.17' RT

635+87.54
80.50' RT

635+81.05
113.00' RT

637+00.00
50.00' RT

637+00.00
80.00' RT

CE

0 FEET 20 40

LEGEND:

PERIMETER EROSION BARRIER

INLET AND PIPE PROTECTION

SEEDING, CLASS 2A, EROSION CONTROL BLANKET

FILE NAME = S:\JOL\6300-6399\6346\025\Micros\Sht\0264C17-sht-erosion02.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

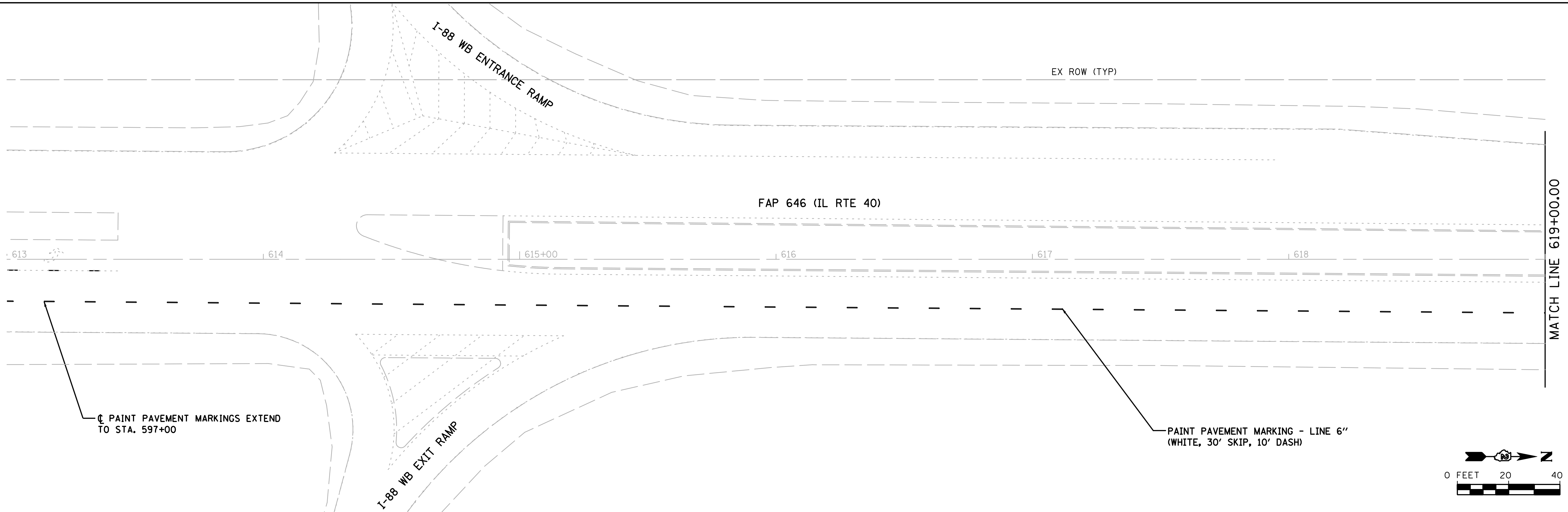
USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

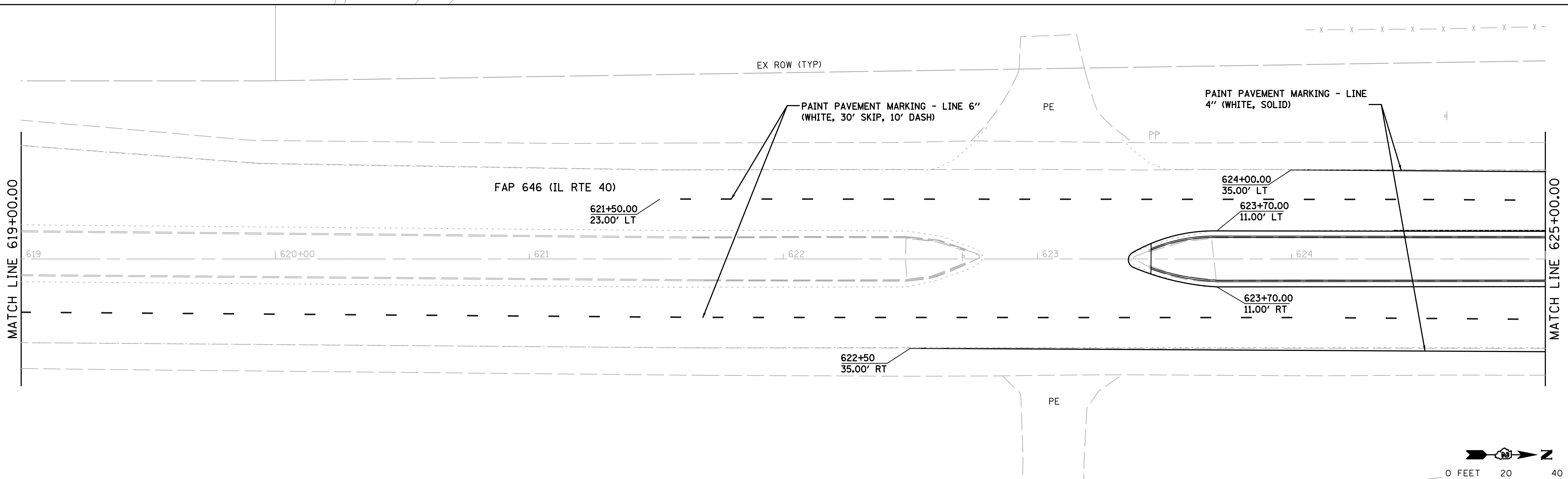
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL SHEETS

SCALE: 1" = 20' | SHEET 2 OF 3 SHEETS | STA. 632+00 | TO STA. 644+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	53
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		





NOTES:
1. ALL LANE WIDTHS ARE 12' UNLESS INDICATED OTHERWISE.

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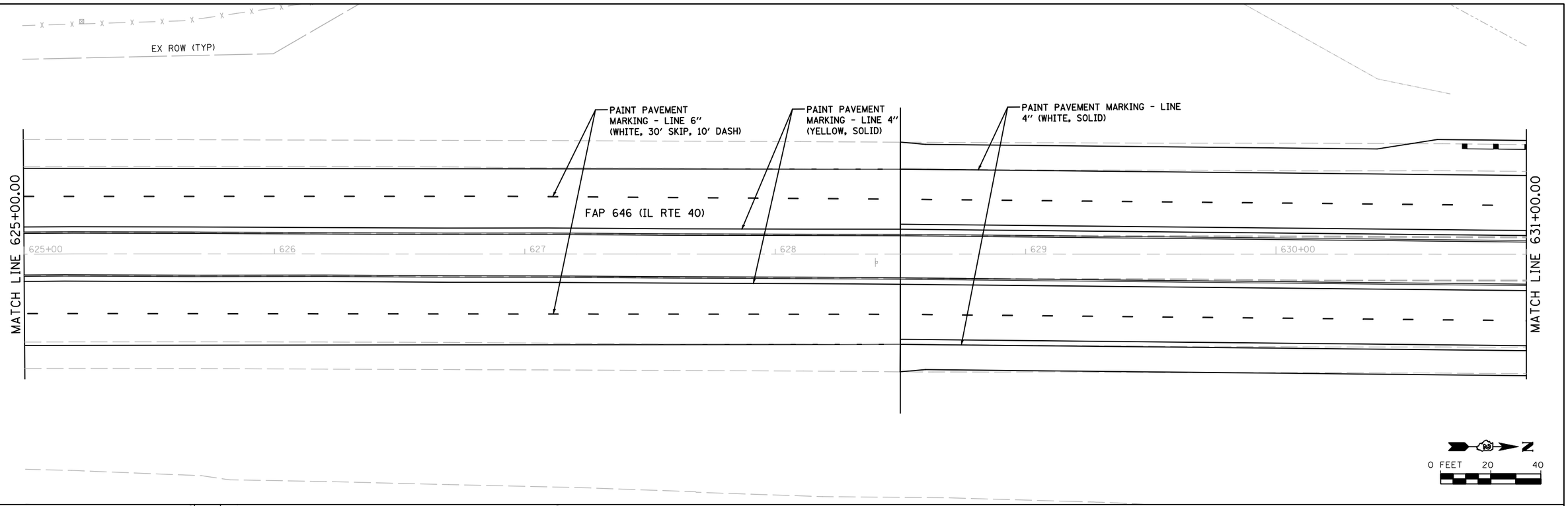
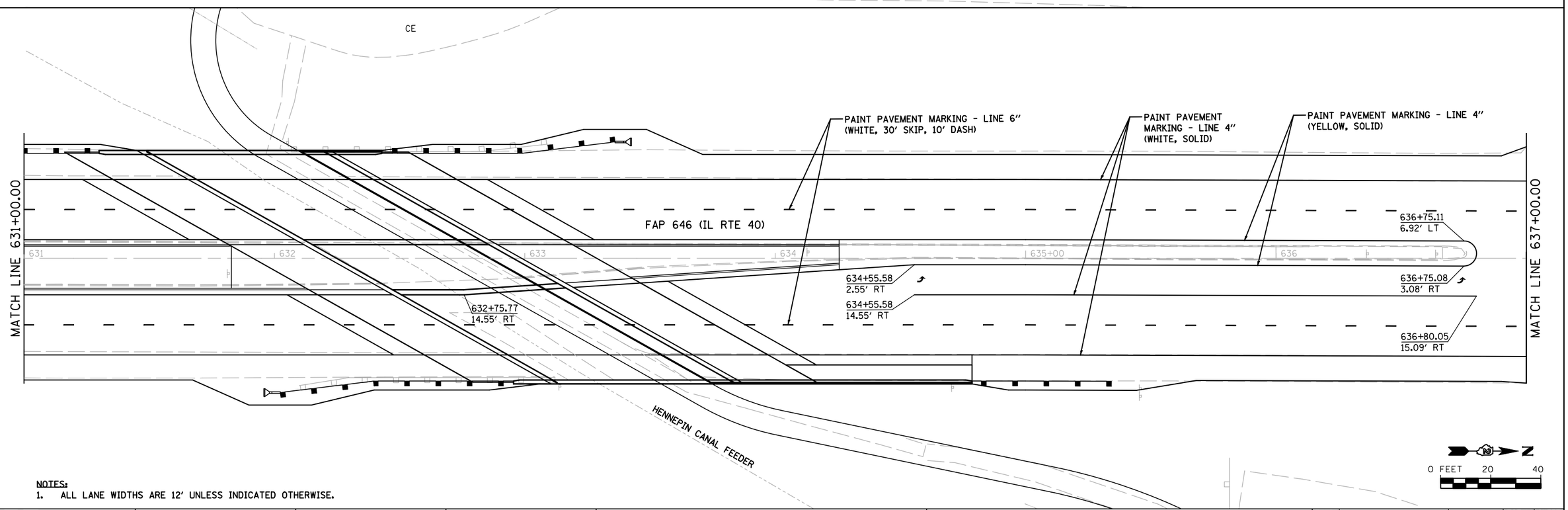
STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = dennisw	DESIGNED - VLF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS
		DRAWN - DJW	REVISED -		
	PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -		
	PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	54
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		





NOTES:
1. ALL LANE WIDTHS ARE 12' UNLESS INDICATED OTHERWISE.

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

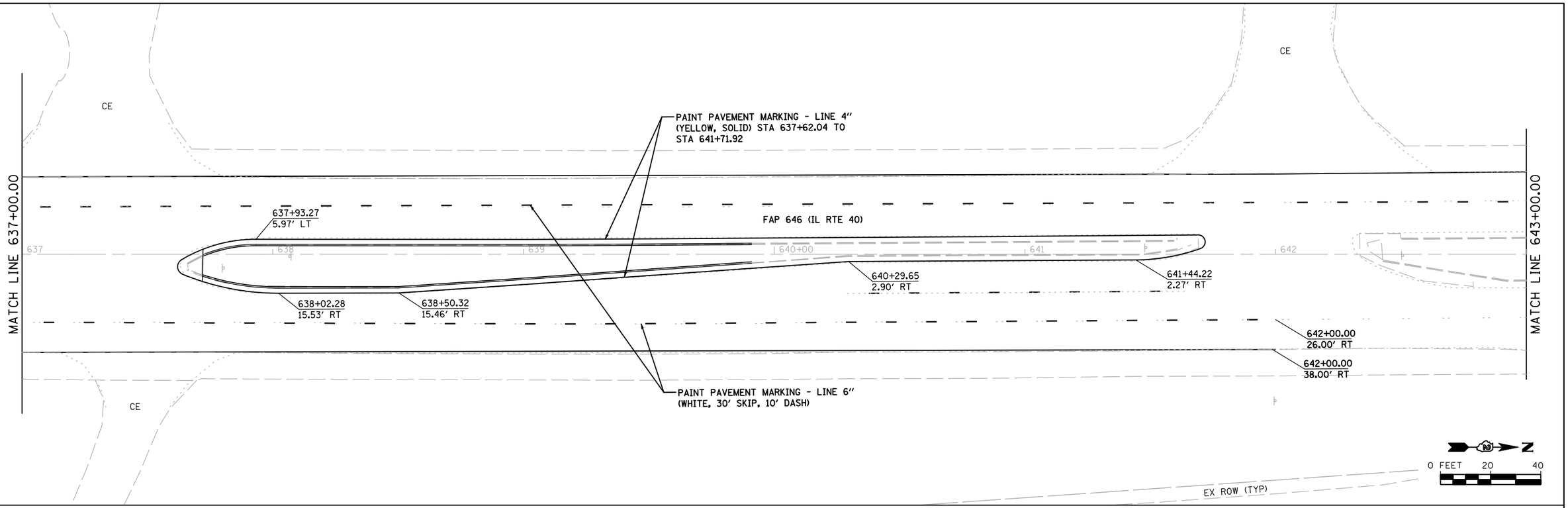
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

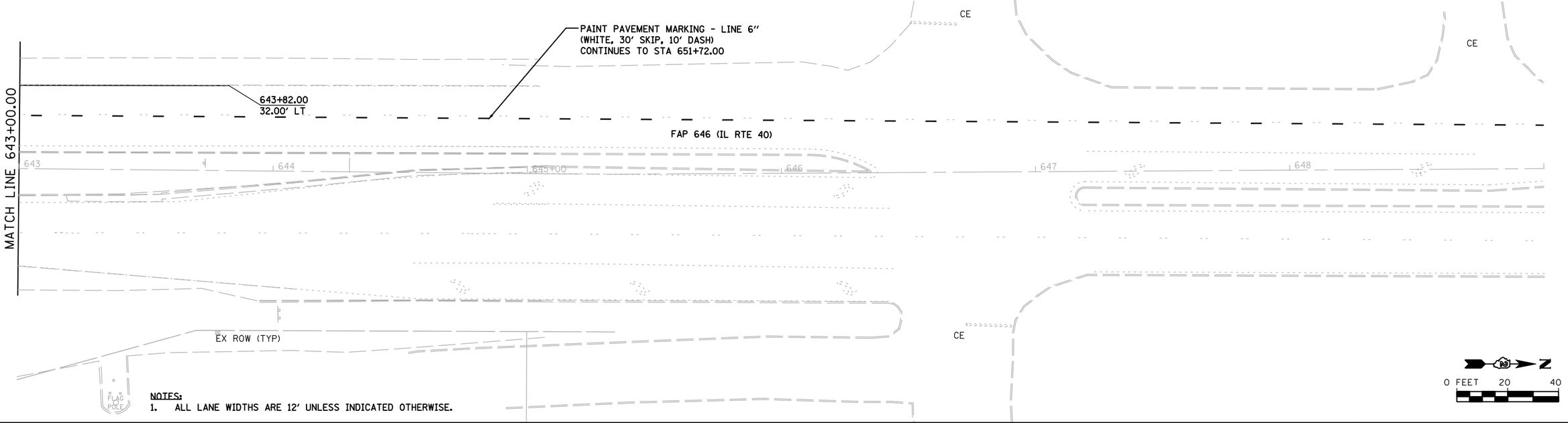
PAVEMENT MARKING DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	55
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT





NOTES:
1. ALL LANE WIDTHS ARE 12' UNLESS INDICATED OTHERWISE.

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -	
	DRAWN - DJW	REVISED -	
PLOT SCALE = 40.0000 ' / IN.	CHECKED - MAG	REVISED -	
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	56
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

Benchmark: Chiseled "X" on northwest corner of concrete headwall. Elev. 644.96

Existing Structure: S.N. 098-0015 originally constructed in 1966 as SBI Route 88, Section 101 B-1. The width was doubled in 1972 as FA 403, Section 195-(101 BY). Existing Structure is a combination PPC Deck Beam structure, Bk to Bk Abut 63.63' and Out to Out width 92'-0". The east third of the structure consists of 27" side by side deck beams. The west two-thirds consists of 33" deck beams spaced at ±6' centers supporting a 7" R.C. deck. Traffic to be maintained using stage construction.

No Salvage.

LOADING HL-93

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

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications with 2010 Interim (Bridge Structure)
2002 AASHTO Standard Specification for Highway Bridges (Retaining Wall and Wingwalls)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.087g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.141g
Soil Site Class = D

DESIGN STRESSES

NEW CONSTRUCTION	EXISTING CONSTRUCTION
f'c = 3,500 psi	f'c = 2,200 psi
fy = 60,000 psi (Reinforcement)	fy = 40,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)	

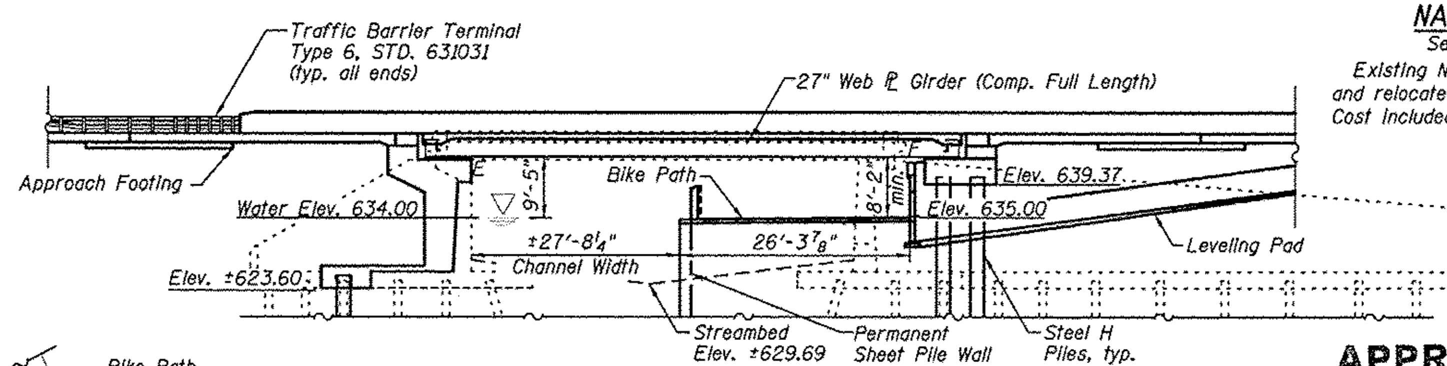
STATION 632+59.38
RE-BUILT 201X BY
STATE OF ILLINOIS
F.A.P. RTE. 646 SEC.101 BR-3
LOADING HL-93
STRUCTURE NO. 098-0015

NAME PLATE

See Std. 515001

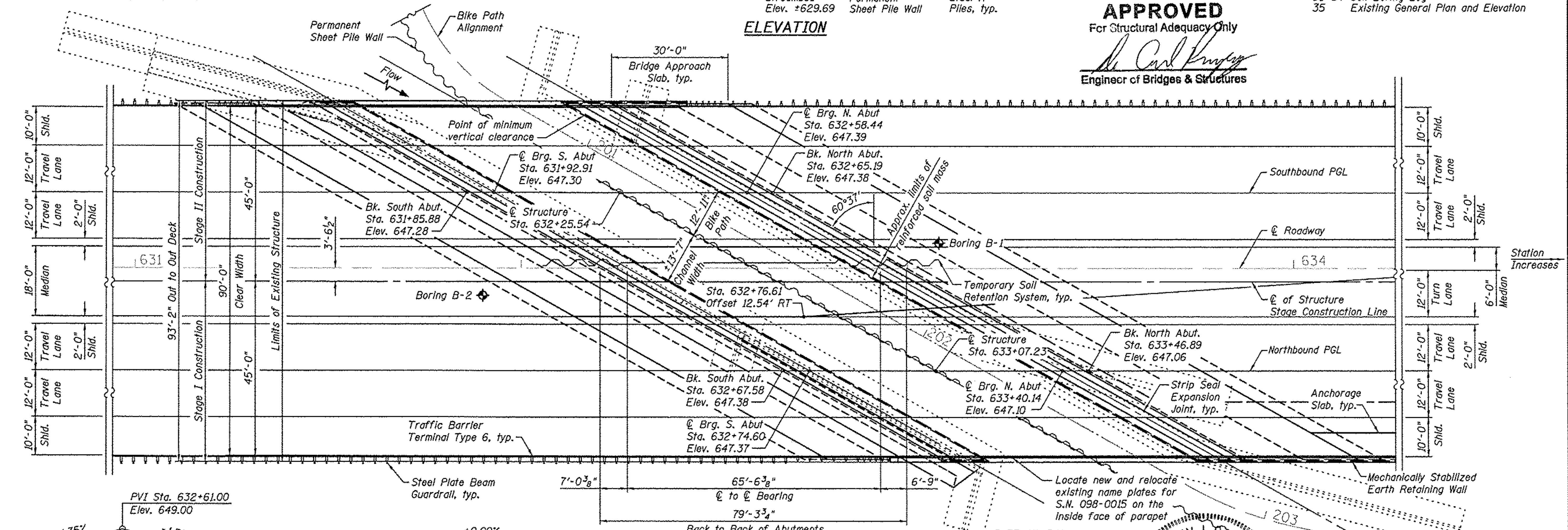
Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

INDEX OF SHEETS

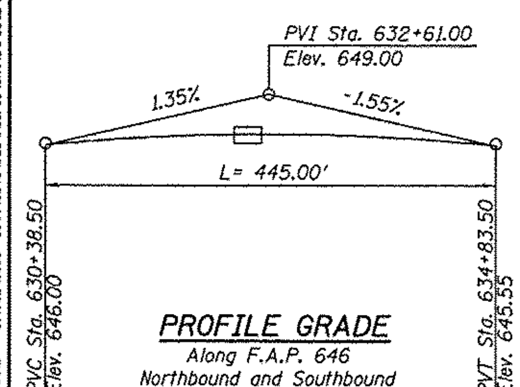


ELEVATION

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

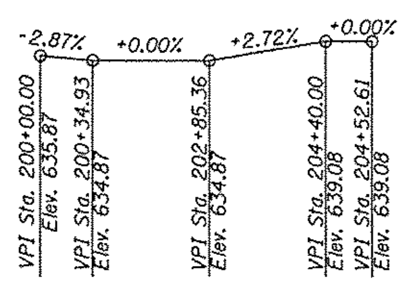


PLAN



PROFILE GRADE

Along F.A.P. 646
Northbound and Southbound Profile Grade Lines

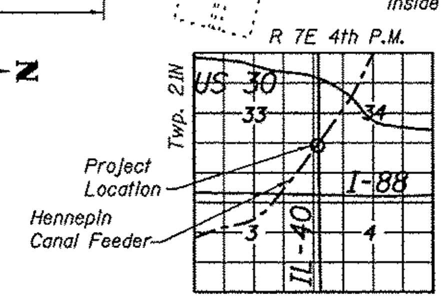


PROFILE GRADE

Along Bike Path

WATERWAY INFORMATION

Flow is controlled. Waterway opening has been determined by recreational requirements.



LOCATION SKETCH

ANTHONY J. STANDISH
081-005819
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
exp 11/2014

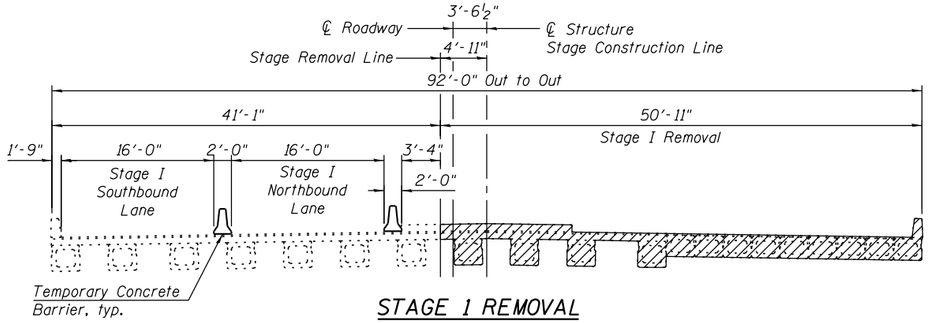
GENERAL PLAN AND ELEVATION
F.A.P. 646 (IL-40) OVER HENNEPIN CANAL FEEDER
SECTION 101 BR-3
WHITESIDE COUNTY
STATION 632+59.38
STRUCTURE NO. 098-0015

STRAND ASSOCIATES	USER NAME = ryand	DESIGNED - MJD	REVISED
1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431		CHECKED - AJS	REVISED
(815) 744-4200	PLOT SCALE =	DRAWN - BJF	REVISED
IDFPR NO. 184-001273	PLOT DATE = 12/3/2012	CHECKED - RRD	REVISED

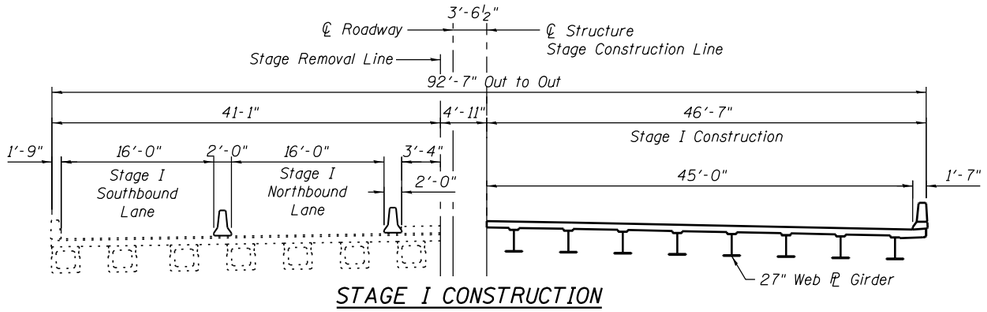
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET NO. 1 OF 35 SHEETS

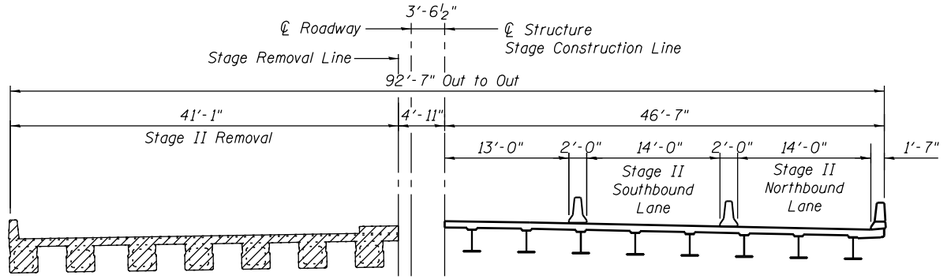
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	57
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		



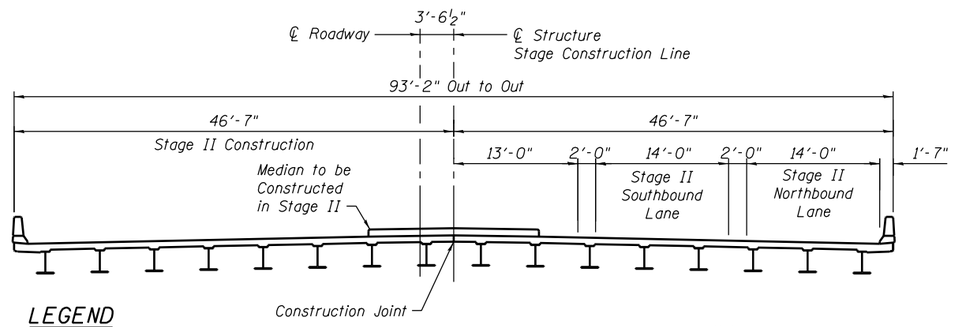
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

LEGEND

Removal of Existing Structures

Proposed Concrete

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu Yd		448	448
Removal of Existing Structures	Each		1	1
Concrete Removal	Cu Yd		82	82
Structure Excavation	Cu Yd		1,313	1,313
Removal and Disposal of Unsuitable Material for Structures	Cu Yd		448	448
Concrete Structures	Cu Yd		778	778
Concrete Superstructure	Cu Yd	643		643
Bridge Deck Grooving	Sq Yd	1,307		1,307
Protective Coat	Sq Yd	1,431		1,431
Furninshing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	6,480		6,480
Reinforcement Bars, Epoxy Coated	Pound	138,900	131,370	270,270
Bar Splicers	Each	371	570	941
Furnishing Steel Piles HP 12x53	Foot		4,701	4,701
Driving Piles	Foot		4,701	4,701
Test Pile Steel HP 12x53	Each		2	2
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	378		378
Elastomeric Bearing Assembly, Type I	Each	16		16
Anchor Bolts, 1"	Each	64		64
Concrete Sealer	Sq Ft		3,921	3,921
Epoxy Crack Injection	Foot		100	100
Geocomposite Wall Drain	Sq Yd		409	409
Porous Granular Embankment, Special	Cu Yd		545	545
Permanent Steel Sheet Piling	Sq Ft		12,893	12,893
Asbestos Bearing Pad Removal	Each		80	80
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq Ft		50	50
Mechanically Stabilized Earth Retaining Wall	Sq Ft		2,472	2,472
Pipe Underdrains For Structures 4"	Foot		304	304
Temporary Soil Retention System	Sq Ft		2,795	2,795

Note:
All cross sections are looking North.
See recurring special provision check sheet #6 for Asbestos Bearing Pad Removal.
See Roadway Plans for quantity of temporary barrier.

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts 3/4-in. ϕ, holes 15/16-in. ϕ, unless otherwise noted.

Calculated weight of Structural Steel = 251,647 Pounds.

All structural steel shall be AASHTO M 270 Grade 50W (except expansion joints which shall be AASHTO M 270 Grade 50).

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to the designated areas of the abutment.

All structural steel and exposed surfaces of bearings within a distance of 8-ft. each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications.

The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

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.

Slip forming of the parapet is not allowed.

The abutments are to be repaired as necessary using Epoxy Crack Injection and Structural Repair of Concrete (Depth Equal to or less than 5 Inches). At the time observations were performed no deficiencies were identified. Actual areas to be repaired shall be determined by the Engineer in the field at the time of construction. Quantities have been added to the plans and are for bidding purposes only.

If the Contractor's procedure for existing beam removal and placement of new beams involves placement of cranes or other heavy equipment on existing or new beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, prepared and sealed by an Illinois Licensed Structural Engineer, verifying that the equipment and procedure used will not overstress the existing or new beams. To distribute load to multiple beams and protect the concrete, in all cases a double layer mat of heavy timbers shall be used at all times under crane tracks or wheels and any outriggers in the down position. If necessary, shims shall be used under the crane mat to ensure uniform contact with the underlying beams. Prior to placement of the timber mats on new beams, the following shall be done: placement and tightening at transverse tie assemblies, grouting and curing the dowel rods 24 hours minimum and grouting and curing the shear keys.

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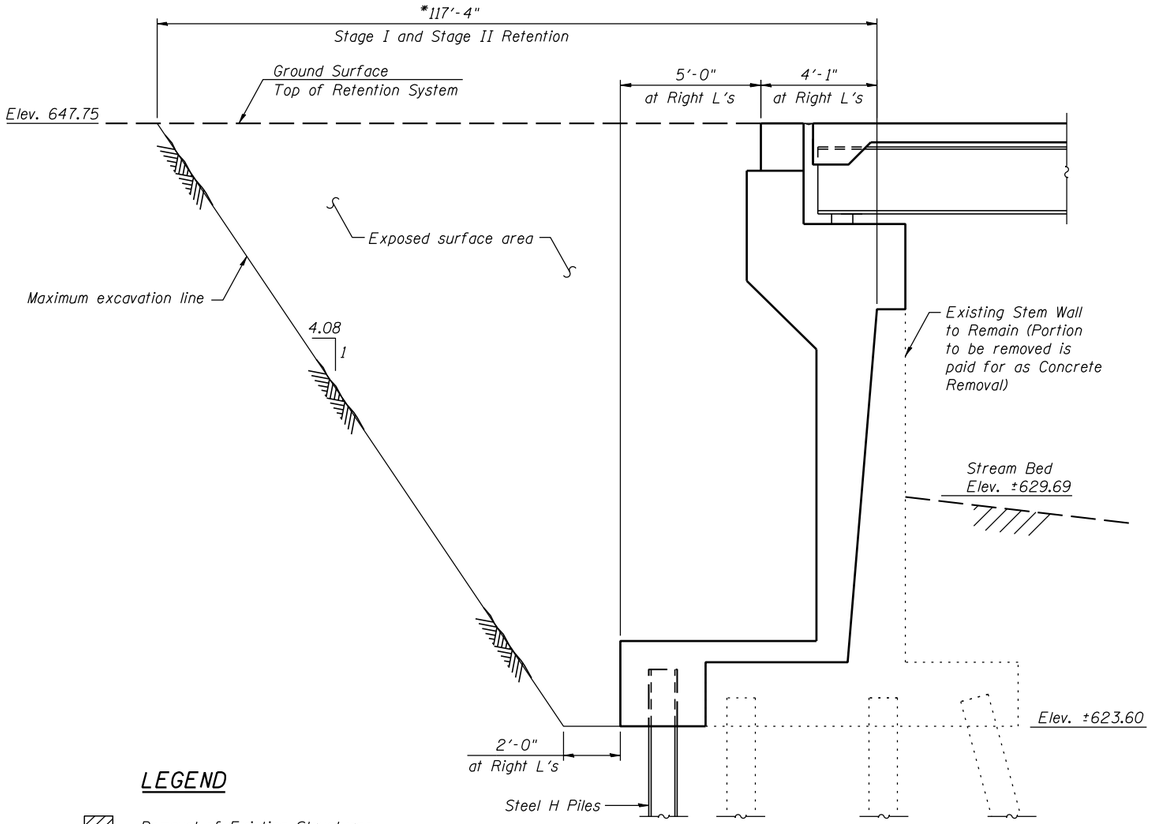
	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 12/3/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS
STRUCTURE NO. 098-0015
SHEET NO. 2 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	58
		CONTRACT NO. 64C17		
	ILLINOIS	FED. AID PROJECT		

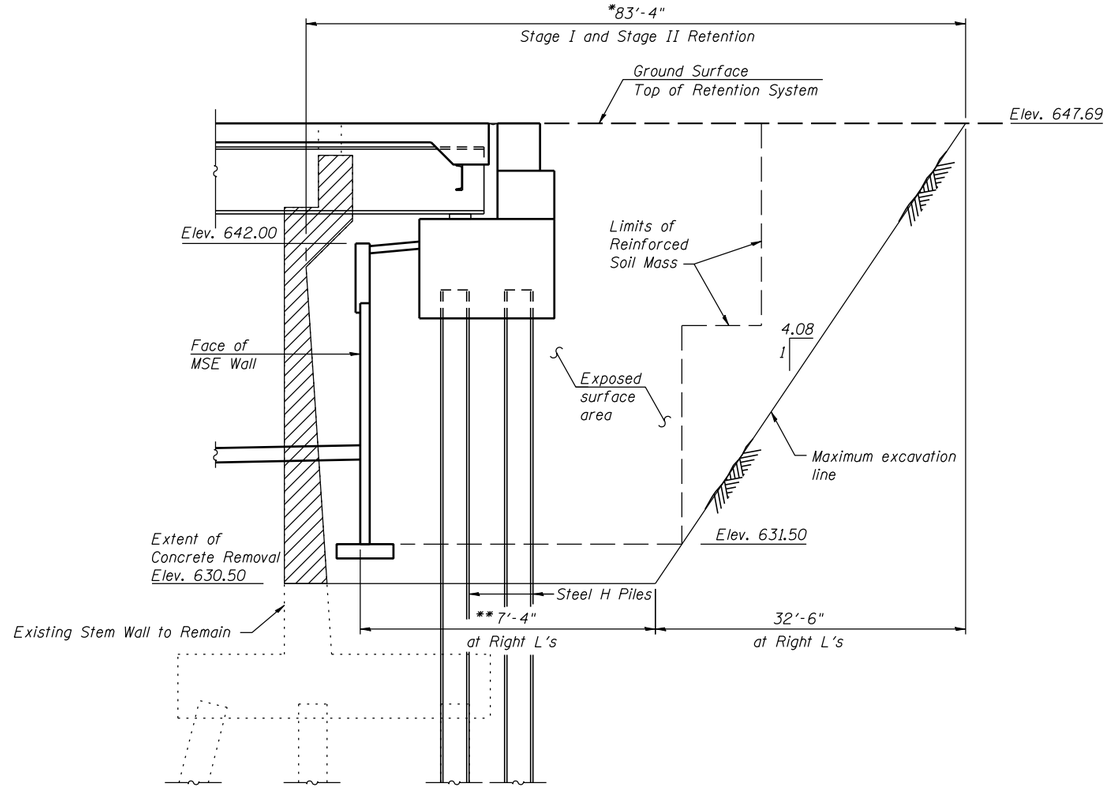


LEGEND

Removal of Existing Structures

SOUTH ABUTMENT
TEMPORARY SOIL RETENTION STYSTEM

(Looking West)
(Horizontal Dimensions at Right L's)



NORTH ABUTMENT
TEMPORARY SOIL RETENTION STYSTEM

(Looking West)
(Horizontal Dimensions @ Rt. L's)

* Horizontal dimensions along ℄ Roadway
** Verify Length with MSE Wall Manufacturer

Note:
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

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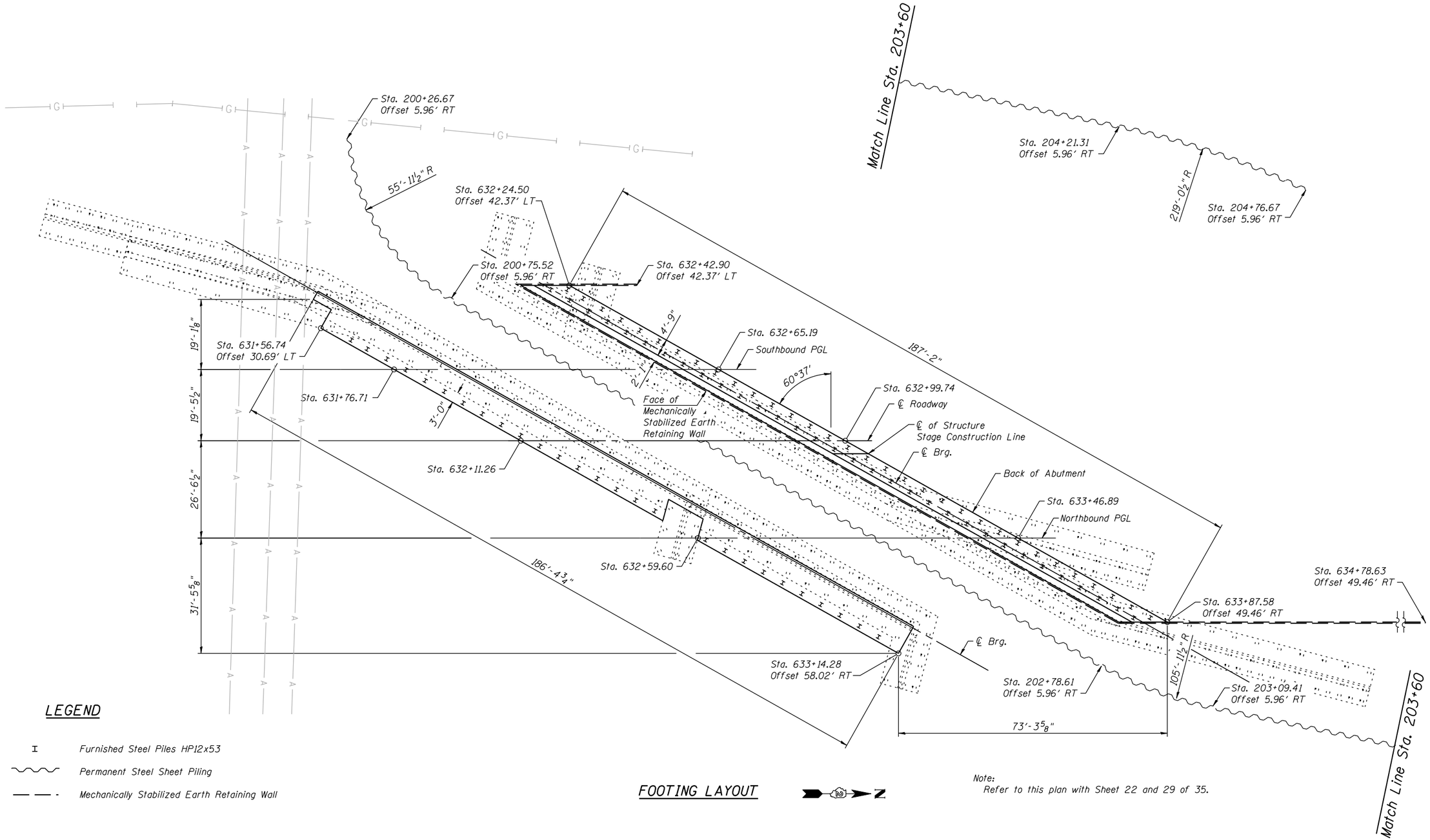
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SOIL RETENTION DETAILS
STRUCTURE NO. 098-0015
SHEET NO. 3 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	59
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



LEGEND

I — *Furnished Steel Piles HP12x53*

Permanent Steel Sheet Piling

Mechanically Stabilized Earth Retaining Wall

FOOTING LAYOUT

Note:
Refer to this plan with Sheet 22 and 29 of 35.

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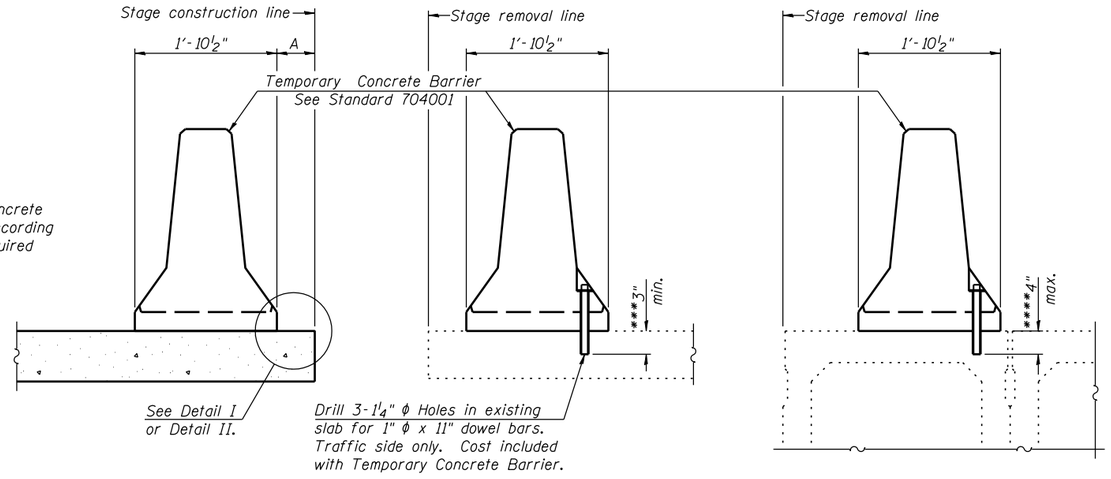
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE LAYOUT
STRUCTURE NO. 098-0015
SHEET NO. 4 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	60
		CONTRACT NO. 64C17		
	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".



NEW SLAB | EXISTING SLAB | EXISTING DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7' 'x "W" steel ℄ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel ℄ to the concrete slab or concrete wearing surface with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

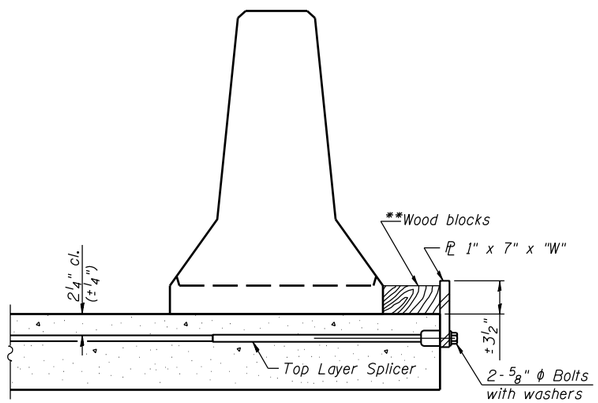
Cost of anchorage is included with Temporary Concrete Barrier.

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.

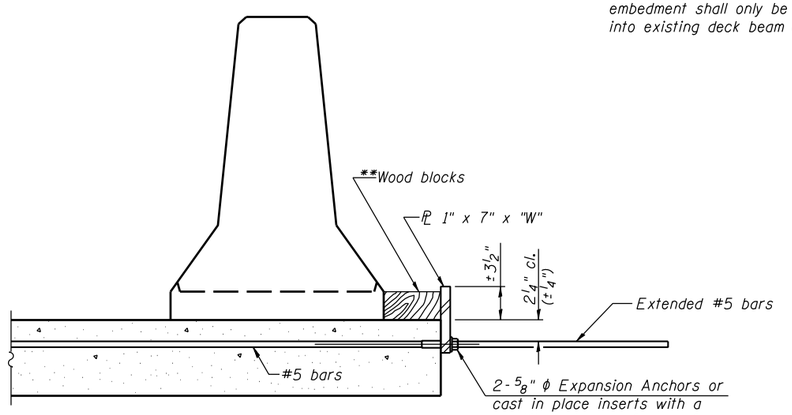
SECTIONS THRU SLAB OR DECK BEAM

*** 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.



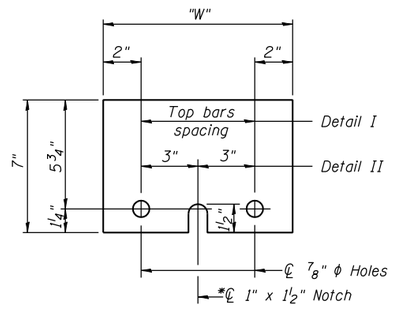
DETAIL I



DETAIL II

** 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"



STEEL RETAINER ℄ 1" x 7" x "W"

* Required only with Detail II

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R-27 7-1-10

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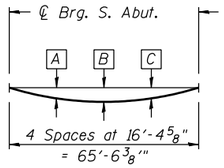
		CHECKED - AJS	REVISED			646	101 BR-3	WHITESIDE	113	61
	PLOT SCALE =	DRAWN - BJF	REVISED					CONTRACT NO. 64C17		
	PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED		SHEET NO. 5 OF 35 SHEETS			ILLINOIS FED. AID PROJECT		

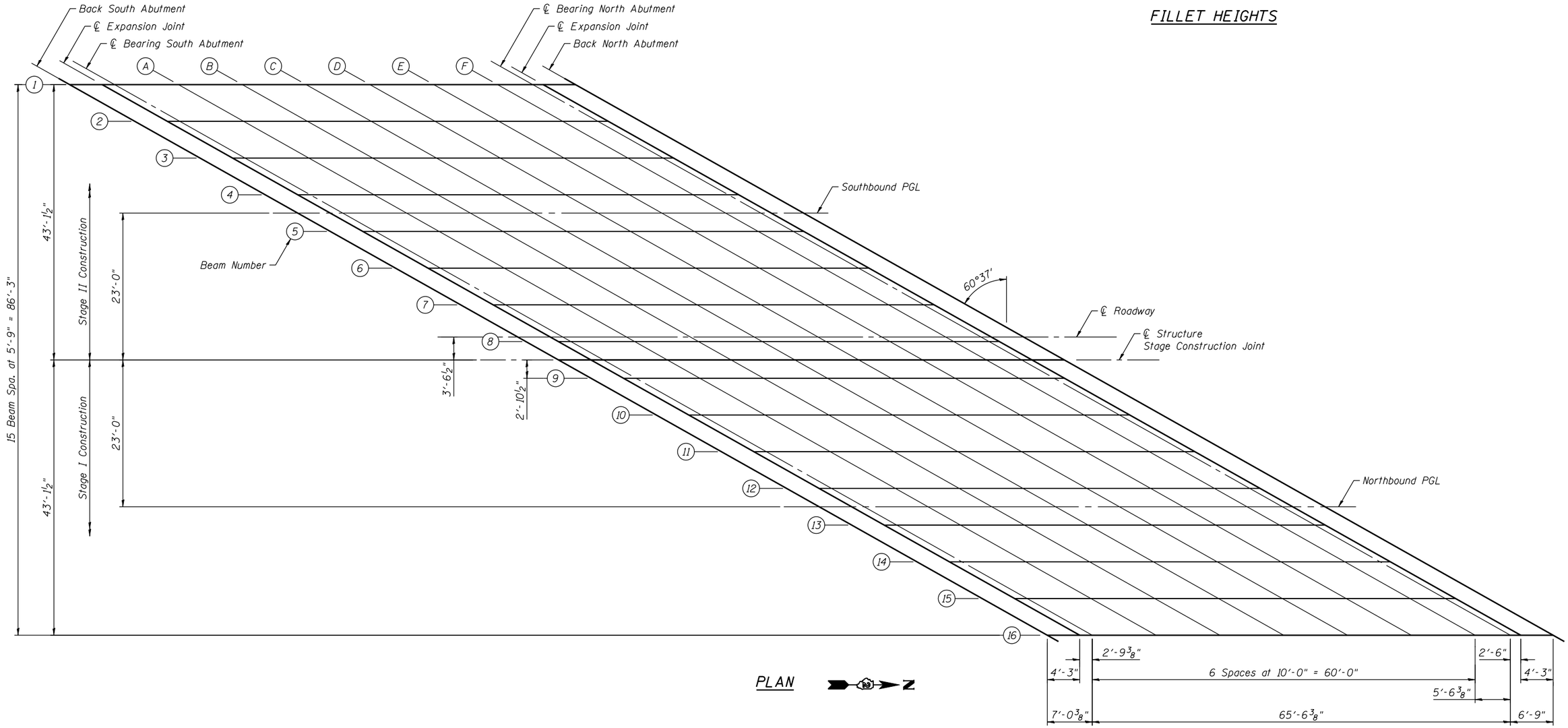


	Beams 1 & 16	Beams 2 - 15
A	1"	1"
B	1 1/2"	1 3/8"
C	1"	1"

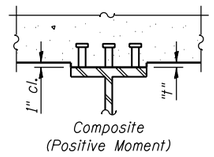
DEAD LOAD DEFLECTION DIAGRAM

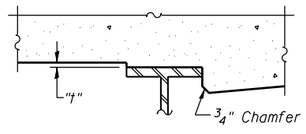
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflection as shown on sheet 7 and 8.

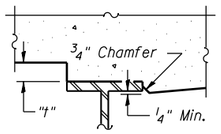


PLAN





At Minimum Fillet



At Maximum Fillet

INTERIOR BEAMS

EXTERIOR BEAMS

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheet 7, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

FILE NAME = s:\pl\63B0-6399\63A6\025\Micros\Sht\Structural Plans\0980015-64C17-006-TSE.dgn

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PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS (1 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 6 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	62
		CONTRACT NO. 64C17		
	ILLINOIS	FED. AID PROJECT		

BEAM 1

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	631+50.14	-39.58	646.69	646.69
CL Joint S. Abut.	631+54.35	-39.58	646.72	646.72
CL Brg. S. Abut.	631+57.17	-39.58	646.74	646.74
A	631+67.17	-39.58	646.79	646.85
B	631+77.17	-39.58	646.84	646.94
C	631+87.17	-39.58	646.88	647.00
D	631+97.17	-39.58	646.92	647.03
E	632+07.17	-39.58	646.94	647.03
F	632+17.17	-39.58	646.97	647.00
CL Brg. N. Abut.	632+22.70	-39.58	646.97	646.97
CL Joint N. Abut.	632+25.25	-39.58	646.98	646.98
Bk. Of N. Abut.	632+29.45	-39.58	646.98	646.98

BEAM 2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	631+60.36	-33.83	646.87	646.87
CL Joint S. Abut.	631+64.56	-33.83	646.89	646.89
CL Brg. S. Abut.	631+67.38	-33.83	646.91	646.91
A	631+77.38	-33.83	646.96	647.01
B	631+87.38	-33.83	647.00	647.09
C	631+97.38	-33.83	647.03	647.14
D	632+07.38	-33.83	647.06	647.17
E	632+17.38	-33.83	647.08	647.16
F	632+27.38	-33.83	647.10	647.13
CL Brg. N. Abut.	632+32.91	-33.83	647.10	647.10
CL Joint N. Abut.	632+35.46	-33.83	647.10	647.10
Bk. Of N. Abut.	632+39.67	-33.83	647.11	647.11

BEAM 3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	631+70.57	-28.08	647.04	647.04
CL Joint S. Abut.	631+74.77	-28.08	647.06	647.06
CL Brg. S. Abut.	631+77.59	-28.08	647.07	647.07
A	631+87.59	-28.08	647.11	647.16
B	631+97.59	-28.08	647.15	647.24
C	632+07.59	-28.08	647.17	647.28
D	632+17.59	-28.08	647.20	647.30
E	632+27.59	-28.08	647.21	647.29
F	632+37.59	-28.08	647.22	647.25
CL Brg. N. Abut.	632+43.13	-28.08	647.22	647.22
CL Joint N. Abut.	632+45.67	-28.08	647.22	647.22
Bk. Of N. Abut.	632+49.88	-28.08	647.22	647.22

BEAM 4

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	631+80.78	-22.33	647.20	647.20
CL Joint S. Abut.	631+84.98	-22.33	647.22	647.22
CL Brg. S. Abut.	631+87.81	-22.33	647.23	647.23
A	631+97.81	-22.33	647.26	647.31
B	632+07.81	-22.33	647.29	647.38
C	632+17.81	-22.33	647.31	647.42
D	632+27.81	-22.33	647.33	647.43
E	632+37.81	-22.33	647.34	647.41
F	632+47.81	-22.33	647.34	647.37
CL Brg. N. Abut.	632+53.34	-22.33	647.34	647.34
CL Joint N. Abut.	632+55.89	-22.33	647.33	647.33
Bk. Of N. Abut.	632+60.09	-22.33	647.33	647.33

SOUTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	631+85.88	-19.45	647.28	647.28
CL Joint S. Abut.	631+90.09	-19.45	647.29	647.29
CL Brg. S. Abut.	631+92.91	-19.45	647.30	647.30
A	632+02.91	-19.45	647.34	647.39
B	632+12.91	-19.45	647.36	647.45
C	632+22.91	-19.45	647.38	647.49
D	632+32.91	-19.45	647.39	647.49
E	632+42.91	-19.45	647.39	647.47
F	632+52.91	-19.45	647.39	647.42
CL Brg. N. Abut.	632+58.44	-19.45	647.39	647.39
CL Joint N. Abut.	632+60.99	-19.45	647.39	647.39
Bk. Of N. Abut.	632+65.19	-19.45	647.38	647.38

BEAM 5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	631+90.99	-16.58	647.35	647.35
CL Joint S. Abut.	631+95.19	-16.58	647.37	647.37
CL Brg. S. Abut.	631+98.02	-16.58	647.38	647.38
A	632+08.02	-16.58	647.41	647.46
B	632+18.02	-16.58	647.43	647.52
C	632+28.02	-16.58	647.44	647.55
D	632+38.02	-16.58	647.45	647.55
E	632+48.02	-16.58	647.45	647.53
F	632+58.02	-16.58	647.45	647.48
CL Brg. N. Abut.	632+63.55	-16.58	647.44	647.44
CL Joint N. Abut.	632+66.10	-16.58	647.44	647.44
Bk. Of N. Abut.	632+70.30	-16.58	647.43	647.43

BEAM 6

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+01.20	-10.83	647.50	647.50
CL Joint S. Abut.	632+05.41	-10.83	647.51	647.51
CL Brg. S. Abut.	632+08.23	-10.83	647.52	647.52
A	632+18.23	-10.83	647.54	647.59
B	632+28.23	-10.83	647.56	647.65
C	632+38.23	-10.83	647.57	647.67
D	632+48.23	-10.83	647.57	647.67
E	632+58.23	-10.83	647.56	647.64
F	632+68.23	-10.83	647.55	647.58
CL Brg. N. Abut.	632+73.76	-10.83	647.54	647.54
CL Joint N. Abut.	632+76.31	-10.83	647.54	647.54
Bk. Of N. Abut.	632+80.51	-10.83	647.53	647.53

BEAM 7

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+11.41	-5.08	647.64	647.64
CL Joint S. Abut.	632+15.62	-5.08	647.65	647.65
CL Brg. S. Abut.	632+18.44	-5.08	647.66	647.66
A	632+28.44	-5.08	647.67	647.72
B	632+38.44	-5.08	647.68	647.77
C	632+48.44	-5.08	647.68	647.79
D	632+58.44	-5.08	647.68	647.78
E	632+68.44	-5.08	647.67	647.74
F	632+78.44	-5.08	647.65	647.68
CL Brg. N. Abut.	632+83.97	-5.08	647.63	647.63
CL Joint N. Abut.	632+86.52	-5.08	647.63	647.63
Bk. Of N. Abut.	632+90.72	-5.08	647.62	647.62

CENTERLINE ROADWAY

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+20.43	0.00	647.76	647.76
CL Joint S. Abut.	632+24.63	0.00	647.77	647.77
CL Brg. S. Abut.	632+27.45	0.00	647.77	647.77
A	632+37.45	0.00	647.78	647.83
B	632+47.45	0.00	647.78	647.87
C	632+57.45	0.00	647.78	647.89
D	632+67.45	0.00	647.77	647.87
E	632+77.45	0.00	647.75	647.83
F	632+87.45	0.00	647.73	647.76
CL Brg. N. Abut.	632+92.99	0.00	647.71	647.71
CL Joint N. Abut.	632+95.53	0.00	647.70	647.70
Bk. Of N. Abut.	632+99.74	0.00	647.69	647.69

FILE NAME = s:\pol\6300-6399\6346\825\Micros\Sht\Structural Plans\098015-64C17-006-TSE.dgn

STRAND ASSOCIATES®
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IDFPR NO. 184-001273

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	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS (2 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 7 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	63
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

BEAM 8

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+21.63	0.68	647.78	647.78
CL Joint S. Abut.	632+25.83	0.68	647.78	647.78
CL Brg. S. Abut.	632+28.65	0.68	647.79	647.79
A	632+38.65	0.68	647.80	647.85
B	632+48.65	0.68	647.80	647.89
C	632+58.65	0.68	647.79	647.90
D	632+68.65	0.68	647.78	647.88
E	632+78.65	0.68	647.76	647.84
F	632+88.65	0.68	647.74	647.77
CL Brg. N. Abut.	632+94.18	0.68	647.72	647.72
CL Joint N. Abut.	632+96.73	0.68	647.71	647.71
Bk. Of N. Abut.	633+00.94	0.68	647.70	647.70

BEAM 10

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+42.05	12.18	647.68	647.68
CL Joint S. Abut.	632+46.25	12.18	647.68	647.68
CL Brg. S. Abut.	632+49.08	12.18	647.68	647.68
A	632+59.08	12.18	647.68	647.73
B	632+69.08	12.18	647.66	647.75
C	632+79.08	12.18	647.65	647.75
D	632+89.08	12.18	647.62	647.72
E	632+99.08	12.18	647.59	647.66
F	633+09.08	12.18	647.55	647.58
CL Brg. N. Abut.	633+14.61	12.18	647.53	647.53
CL Joint N. Abut.	633+17.15	12.18	647.52	647.52
Bk. Of N. Abut.	633+21.36	12.18	647.50	647.50

NORTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+67.58	26.55	647.38	647.38
CL Joint S. Abut.	632+71.78	26.55	647.37	647.37
CL Brg. S. Abut.	632+74.60	26.55	647.37	647.37
A	632+84.60	26.55	647.35	647.40
B	632+94.60	26.55	647.32	647.41
C	633+04.60	26.55	647.28	647.39
D	633+14.60	26.55	647.24	647.34
E	633+24.60	26.55	647.19	647.27
F	633+34.60	26.55	647.14	647.17
CL Brg. N. Abut.	633+40.14	26.55	647.10	647.10
CL Joint N. Abut.	633+42.68	26.55	647.09	647.09
Bk. Of N. Abut.	633+46.89	26.55	647.06	647.06

STAGE CONSTRUCTION LINE/ ℄ STRUCTURE

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+26.73	3.55	647.84	647.84
CL Joint S. Abut.	632+30.93	3.55	647.85	647.85
CL Brg. S. Abut.	632+33.76	3.55	647.85	647.85
A	632+43.76	3.55	647.85	647.91
B	632+53.76	3.55	647.85	647.94
C	632+63.76	3.55	647.84	647.95
D	632+73.76	3.55	647.83	647.93
E	632+83.76	3.55	647.81	647.88
F	632+93.76	3.55	647.78	647.81
CL Brg. N. Abut.	632+99.29	3.55	647.76	647.76
CL Joint N. Abut.	633+01.84	3.55	647.75	647.75
Bk. Of N. Abut.	633+06.04	3.55	647.74	647.74

BEAM 11

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+52.26	17.93	647.57	647.57
CL Joint S. Abut.	632+56.46	17.93	647.56	647.56
CL Brg. S. Abut.	632+59.29	17.93	647.56	647.56
A	632+69.29	17.93	647.55	647.60
B	632+79.29	17.93	647.53	647.62
C	632+89.29	17.93	647.51	647.61
D	632+99.29	17.93	647.47	647.58
E	633+09.29	17.93	647.44	647.51
F	633+19.29	17.93	647.39	647.42
CL Brg. N. Abut.	633+24.82	17.93	647.36	647.36
CL Joint N. Abut.	633+27.37	17.93	647.35	647.35
Bk. Of N. Abut.	633+31.57	17.93	647.33	647.33

BEAM 13

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+72.68	29.43	647.31	647.31
CL Joint S. Abut.	632+76.89	29.43	647.31	647.31
CL Brg. S. Abut.	632+79.71	29.43	647.30	647.30
A	632+89.71	29.43	647.27	647.32
B	632+99.71	29.43	647.24	647.33
C	633+09.71	29.43	647.20	647.31
D	633+19.71	29.43	647.16	647.26
E	633+29.71	29.43	647.11	647.18
F	633+39.71	29.43	647.05	647.08
CL Brg. N. Abut.	633+45.24	29.43	647.01	647.01
CL Joint N. Abut.	633+47.79	29.43	647.00	647.00
Bk. Of N. Abut.	633+51.99	29.43	646.97	646.97

BEAM 15

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+93.11	40.93	647.03	647.03
CL Joint S. Abut.	632+97.31	40.93	647.02	647.02
CL Brg. S. Abut.	633+00.13	40.93	647.01	647.01
A	633+10.13	40.93	646.97	647.02
B	633+20.13	40.93	646.93	647.02
C	633+30.13	40.93	646.87	646.98
D	633+40.13	40.93	646.82	646.92
E	633+50.13	40.93	646.75	646.83
F	633+60.13	40.93	646.68	646.71
CL Brg. N. Abut.	633+65.67	40.93	646.64	646.64
CL Joint N. Abut.	633+68.21	40.93	646.62	646.62
Bk. Of N. Abut.	633+72.42	40.93	646.58	646.58

BEAM 9

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+31.84	6.43	647.79	647.79
CL Joint S. Abut.	632+36.04	6.43	647.79	647.79
CL Brg. S. Abut.	632+38.86	6.43	647.80	647.80
A	632+48.86	6.43	647.80	647.85
B	632+58.86	6.43	647.79	647.88
C	632+68.86	6.43	647.78	647.89
D	632+78.86	6.43	647.76	647.86
E	632+88.86	6.43	647.74	647.81
F	632+98.86	6.43	647.70	647.73
CL Brg. N. Abut.	633+04.40	6.43	647.68	647.68
CL Joint N. Abut.	633+06.94	6.43	647.67	647.67
Bk. Of N. Abut.	633+11.15	6.43	647.66	647.66

BEAM 12

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+62.47	23.68	647.44	647.44
CL Joint S. Abut.	632+66.68	23.68	647.44	647.44
CL Brg. S. Abut.	632+69.50	23.68	647.43	647.43
A	632+79.50	23.68	647.41	647.47
B	632+89.50	23.68	647.39	647.48
C	632+99.50	23.68	647.36	647.47
D	633+09.50	23.68	647.32	647.42
E	633+19.50	23.68	647.27	647.35
F	633+29.50	23.68	647.22	647.25
CL Brg. N. Abut.	633+35.03	23.68	647.19	647.19
CL Joint N. Abut.	633+37.58	23.68	647.18	647.18
Bk. Of N. Abut.	633+41.78	23.68	647.15	647.15

BEAM 14

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	632+82.89	35.18	647.18	647.18
CL Joint S. Abut.	632+87.10	35.18	647.17	647.17
CL Brg. S. Abut.	632+89.92	35.18	647.16	647.16
A	632+99.92	35.18	647.13	647.18
B	633+09.92	35.18	647.09	647.18
C	633+19.92	35.18	647.04	647.15
D	633+29.92	35.18	646.99	647.09
E	633+39.92	35.18	646.93	647.01
F	633+49.92	35.18	646.87	646.90
CL Brg. N. Abut.	633+55.45	35.18	646.83	646.83
CL Joint N. Abut.	633+58.00	35.18	646.81	646.81
Bk. Of N. Abut.	633+62.20	35.18	646.78	646.78

BEAM 16

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. of S. Abut.	633+03.32	46.68	646.88	646.88
CL Joint S. Abut.	633+07.52	46.68	646.87	646.87
CL Brg. S. Abut.	633+10.35	46.68	646.86	646.86
A	633+20.35	46.68	646.81	646.87
B	633+30.35	46.68	646.76	646.86
C	633+40.35	46.68	646.70	646.82
D	633+50.35	46.68	646.63	646.75
E	633+60.35	46.68	646.56	646.65
F	633+70.35	46.68	646.49	646.52
CL Brg. N. Abut.	633+75.88	46.68	646.44	646.44
CL Joint N. Abut.	633+78.42	46.68	646.42	646.42
Bk. Of N. Abut.	633+82.63	46.68	646.38	646.38

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	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS (3 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 8 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	64
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	631+17.83	-41.45	646.42
A1	631+27.83	-41.45	646.50
A2	631+37.83	-41.45	646.58
N. End South Appr. Slab	631+47.83	-41.45	646.64

WEST EDGE OF SOUTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	631+35.59	-31.45	646.76
A1	631+45.59	-31.45	646.83
A2	631+55.59	-31.45	646.89
N. End South Appr. Slab	631+65.59	-31.45	646.95

SOUTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	631+56.90	-19.45	647.14
A1	631+66.90	-19.45	647.19
A2	631+76.90	-19.45	647.24
N. End South Appr. Slab	631+86.90	-19.45	647.28

EAST EDGE OF SOUTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	631+78.22	-7.45	647.49
A1	631+88.22	-7.45	647.53
A2	631+98.22	-7.45	647.56
N. End South Appr. Slab	632+08.22	-7.45	647.59

CENTERLINE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	631+91.45	0.00	647.69
A1	632+01.45	0.00	647.72
A2	632+11.45	0.00	647.75
N. End South Appr. Slab	632+21.45	0.00	647.76

CENTERLINE OF STRUCTURE/ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	631+97.75	3.55	647.78
A1	632+07.75	3.55	647.81
A2	632+17.75	3.55	647.83
N. End South Appr. Slab	632+27.75	3.55	647.84

WEST EDGE OF NORTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	632+17.29	14.55	647.61
A1	632+27.29	14.55	647.62
A2	632+37.29	14.55	647.63
N. End South Appr. Slab	632+47.29	14.55	647.63

NORTHBOUND PGL

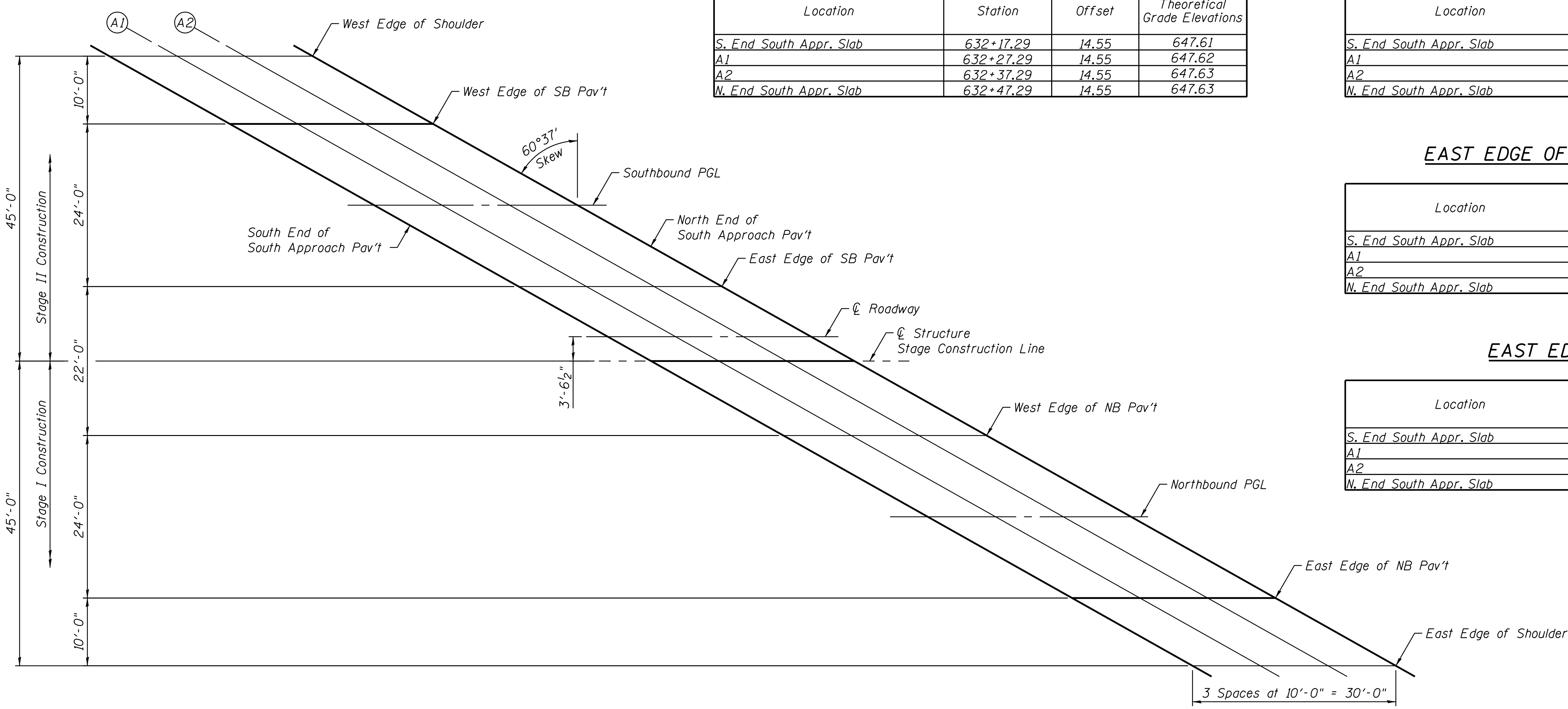
Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	632+38.60	26.55	647.39
A1	632+48.60	26.55	647.39
A2	632+58.60	26.55	647.39
N. End South Appr. Slab	632+68.60	26.55	647.38

EAST EDGE OF NORTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	632+59.91	38.55	647.15
A1	632+69.91	38.55	647.14
A2	632+79.91	38.55	647.12
N. End South Appr. Slab	632+89.91	38.55	647.09

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	632+77.67	48.55	646.92
A1	632+87.67	48.55	646.90
A2	632+97.67	48.55	646.87
N. End South Appr. Slab	633+07.67	48.55	646.83



PLAN

South Approach

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	632+25.11	-41.45	646.94
A3	632+35.11	-41.45	646.95
A4	632+45.11	-41.45	646.95
N. End North Appr. Slab	632+55.11	-41.45	646.95

WEST EDGE OF SOUTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	632+42.86	-31.45	647.15
A3	632+52.86	-31.45	647.15
A4	632+62.86	-31.45	647.14
N. End North Appr. Slab	632+72.86	-31.45	647.13

SOUTHBOUND PGL

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	632+64.18	-19.45	647.38
A3	632+74.18	-19.45	647.37
A4	632+84.18	-19.45	647.35
N. End North Appr. Slab	632+94.18	-19.45	647.32

EAST EDGE OF SOUTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	632+85.49	-7.45	647.58
A3	632+95.49	-7.45	647.55
A4	633+05.49	-7.45	647.52
N. End North Appr. Slab	633+15.49	-7.45	647.48

CENTERLINE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	632+98.72	0.00	647.69
A3	633+08.72	0.00	647.65
A4	633+18.72	0.00	647.61
N. End North Appr. Slab	633+28.72	0.00	647.56

CENTERLINE OF STRUCTURE/ STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	633+05.02	3.55	647.74
A3	633+15.02	3.55	647.70
A4	633+25.02	3.55	647.65
N. End North Appr. Slab	633+35.02	3.55	647.59

WEST EDGE OF NORTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	633+24.56	14.55	647.43
A3	633+34.56	14.55	647.38
A4	633+44.56	14.55	647.32
N. End North Appr. Slab	633+54.56	14.55	647.25

NORTHBOUND PGL

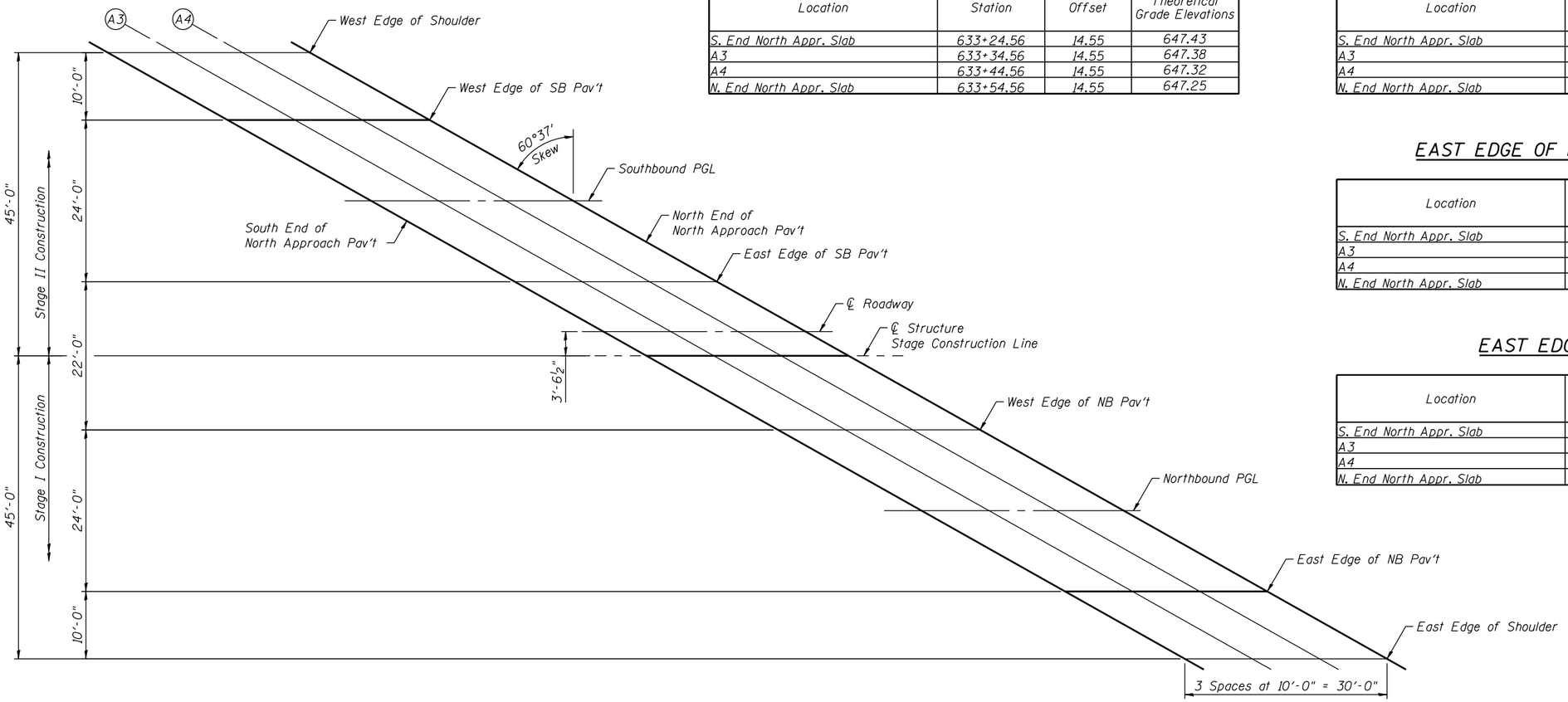
Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	633+45.87	26.55	647.07
A3	633+55.87	26.55	647.00
A4	633+65.87	26.55	646.92
N. End North Appr. Slab	633+75.87	26.55	646.84

EAST EDGE OF NORTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	633+67.18	38.55	646.67
A3	633+77.18	38.55	646.59
A4	633+87.18	38.55	646.50
N. End North Appr. Slab	633+97.18	38.55	646.41

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Slab	633+84.94	48.55	646.32
A3	633+94.94	48.55	646.23
A4	634+04.94	48.55	646.13
N. End North Appr. Slab	634+14.94	48.55	646.02



PLAN

North Approach

FILE NAME = s:\pw\16300--6399\6346\025\Marcus\Shts\Structural Plans\098D015-64C17-009-ASE.dgn

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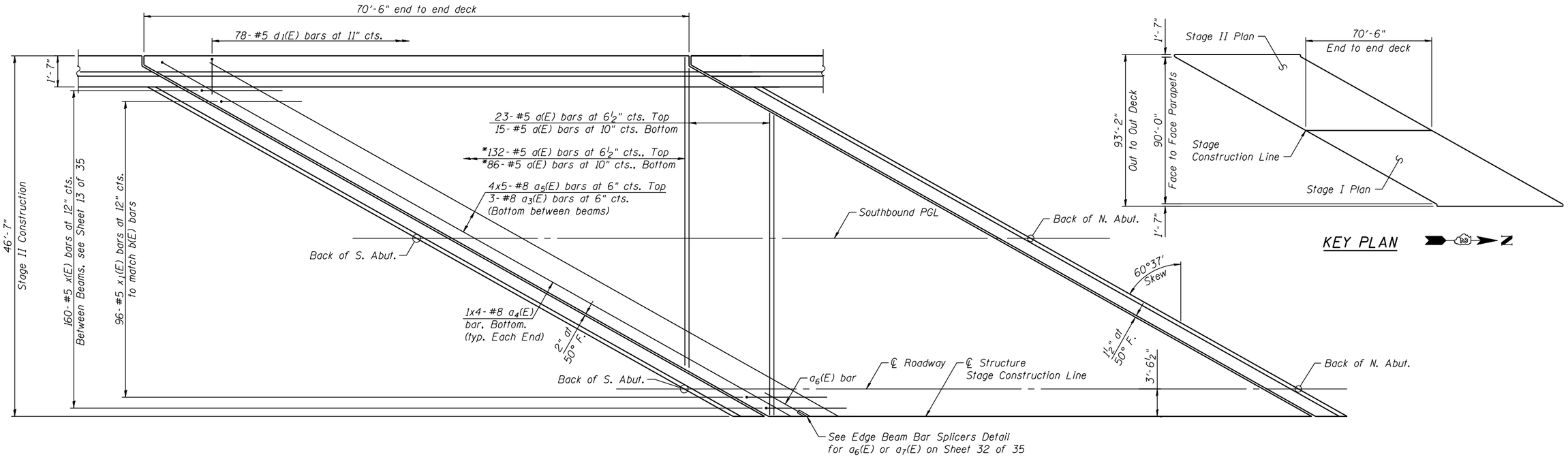
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = brianf	DESIGNED - RRD	REVISED	
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

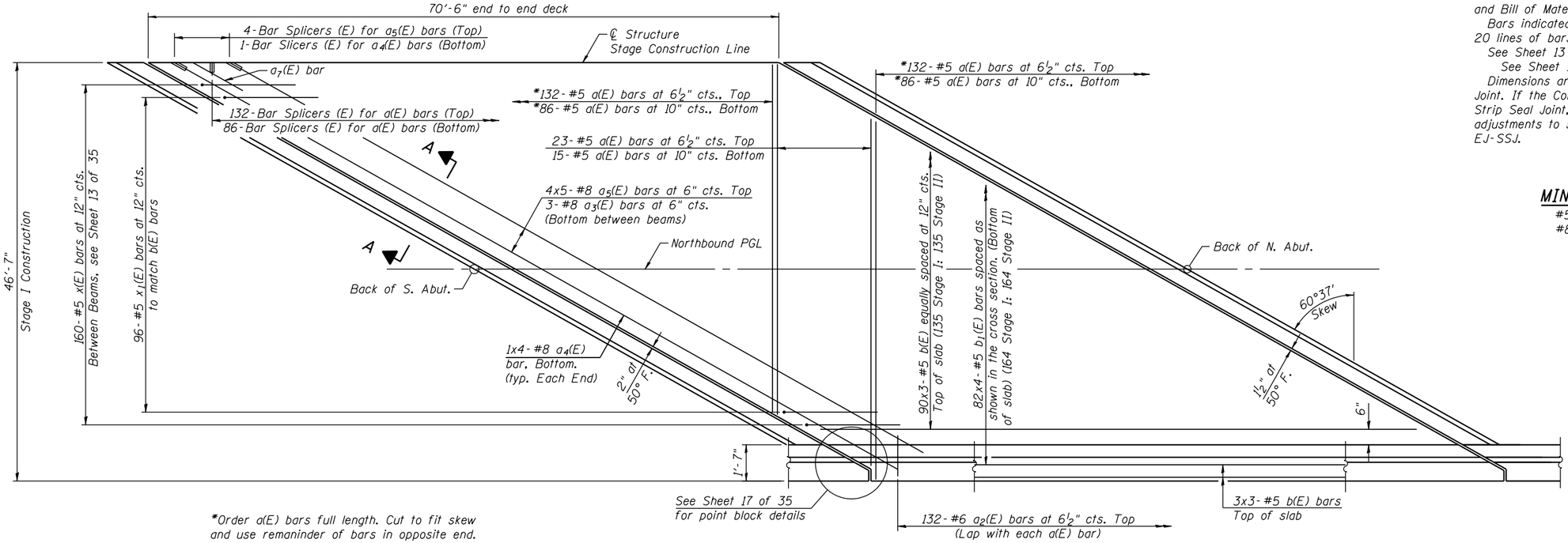
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 098-0015
SHEET NO. 10 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	66
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



STAGE II PLAN



*Order a(E) bars full length. Cut to fit skew and use remaninder of bars in opposite end.

STAGE I PLAN

Notes:

See Sheet 13 of 35 for Superstructure Details and Bill of Material.

Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

See Sheet 13 of 35 for parapet reinforcement.

See Sheet 13 of 35 for Section A-A.

Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SSJ.

MIN. BAR LAP

#5 bar = 3'-3"
#8 bar = 6'-9"

FILE NAME = s:\jol\6300-6399\6346\025\Micros\Sht\Structural Plans\098001564C17-011-SUP.dgn

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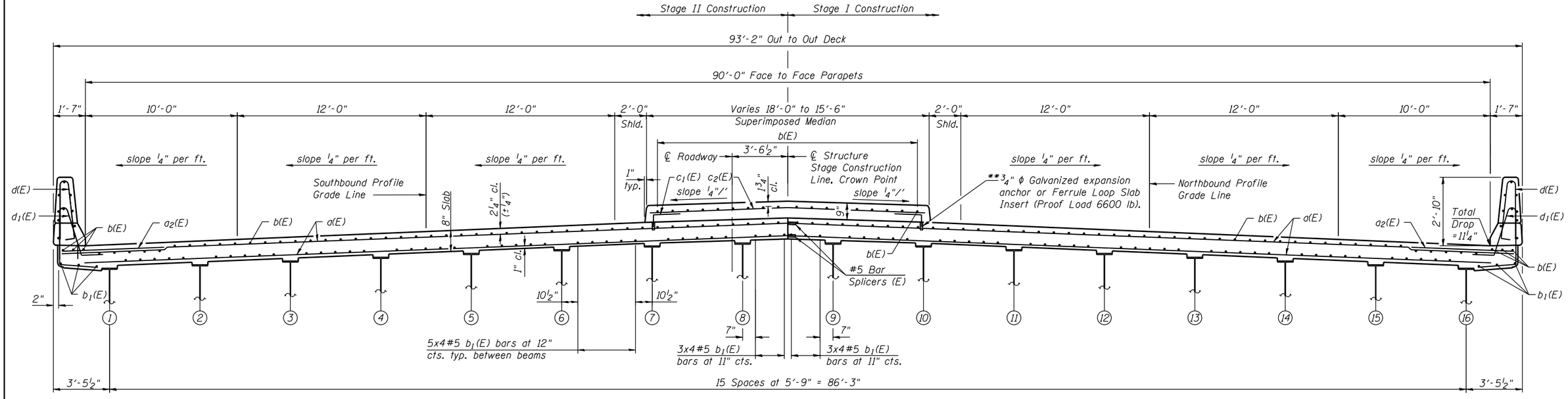
USER NAME = brianf	DESIGNED - RRD	REVISED
	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE (1 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 11 OF 35 SHEETS

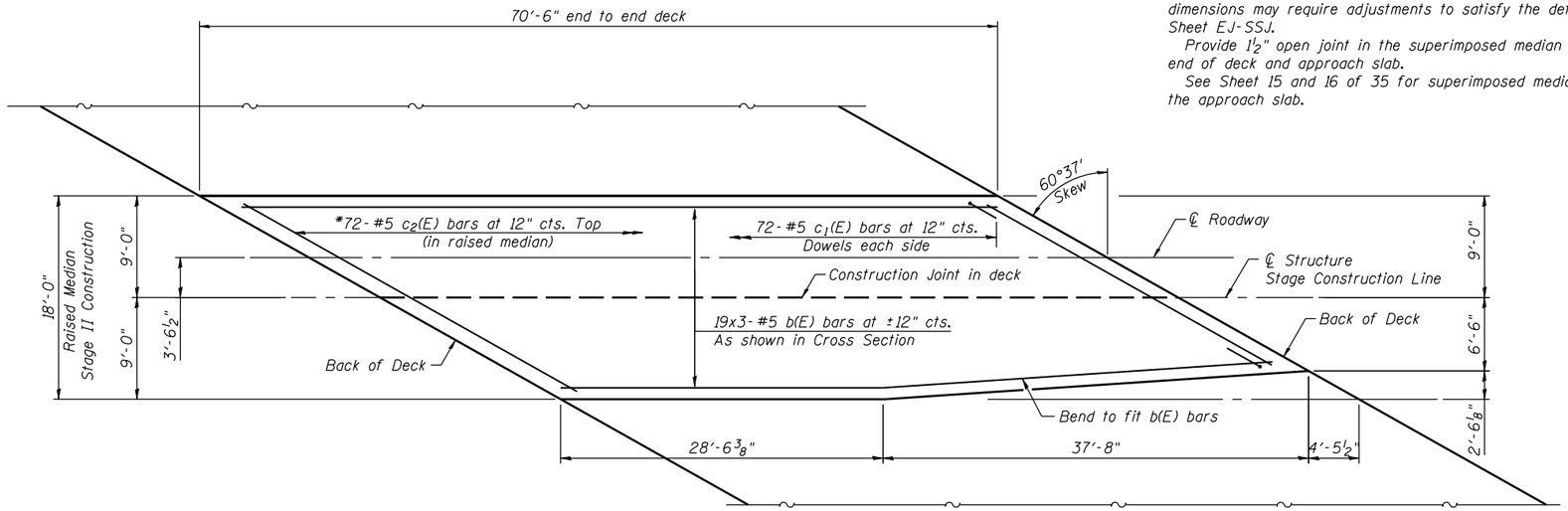
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	67
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



**The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.

CROSS SECTION
(Looking North)

Note:
Median shall be constructed in Stage II Construction.
Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SSJ.
Provide 1½" open joint in the superimposed median between the end of deck and approach slab.
See Sheet 15 and 16 of 35 for superimposed median details on the approach slab.



*Cut to fit c2(E) bars in skew

SUPERIMPOSED MEDIAN PLAN

MIN. BAR LAP
#5 Bar = 3'-3"

FILE NAME = s:\pl\6300-6399\6346\025\Micros\Sht\Structural Plans\P980815-64C17-811-SUP.dgn

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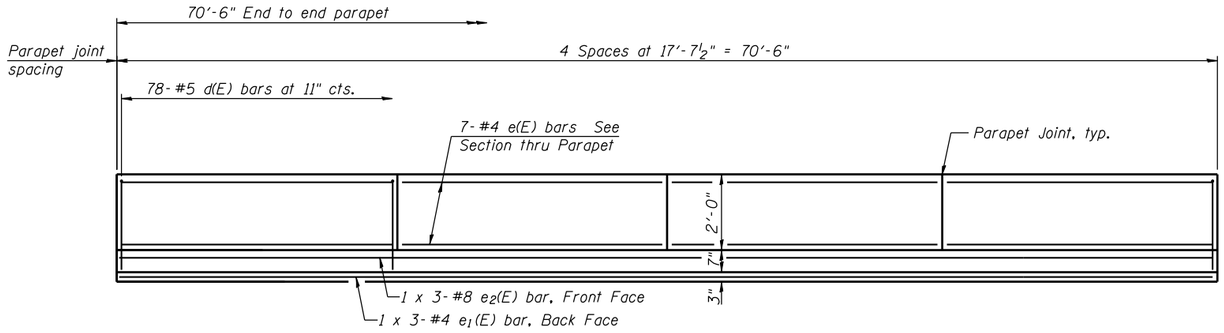
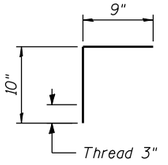
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

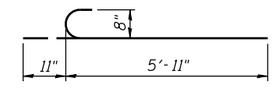
SUPERSTRUCTURE (2 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 12 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	68
		CONTRACT NO. 64C17		
	ILLINOIS	FED. AID PROJECT		

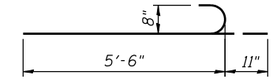




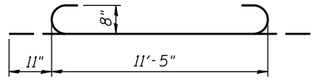
BAR $c_1(E)$



$a_6(E)$ BAR



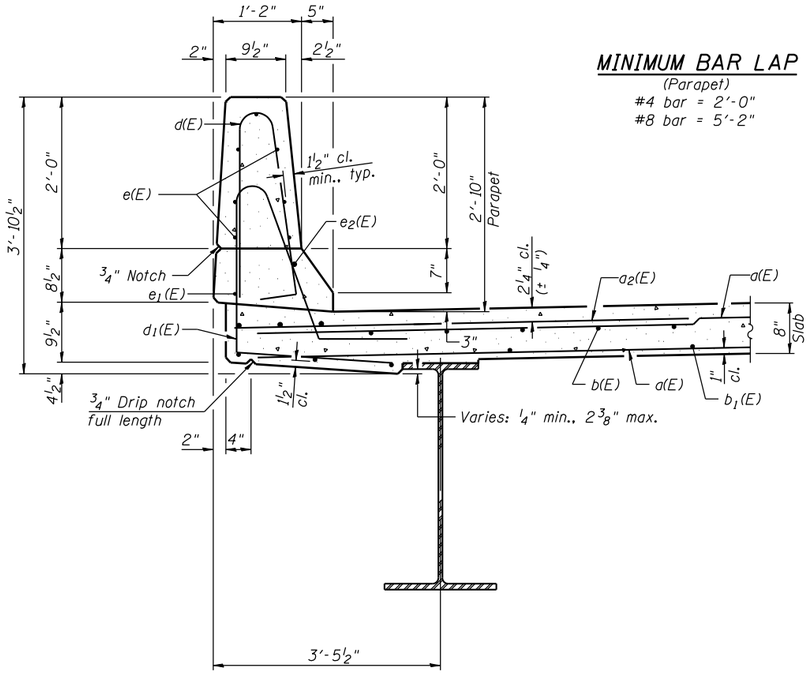
$a_7(E)$ BAR



$a_3(E)$ BAR

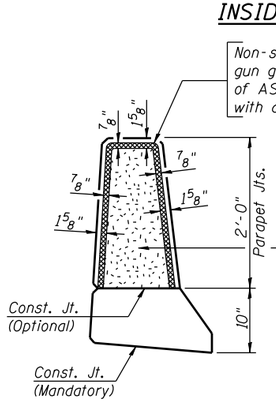
MINIMUM BAR LAP

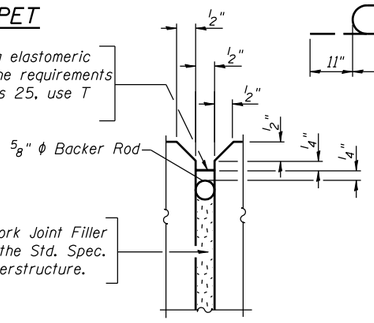
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"



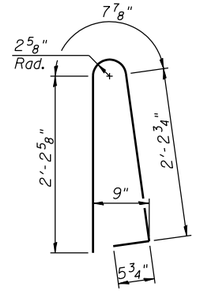
SECTION THRU PARAPET

INSIDE ELEVATION OF PARAPET





PARAPET JOINT DETAILS

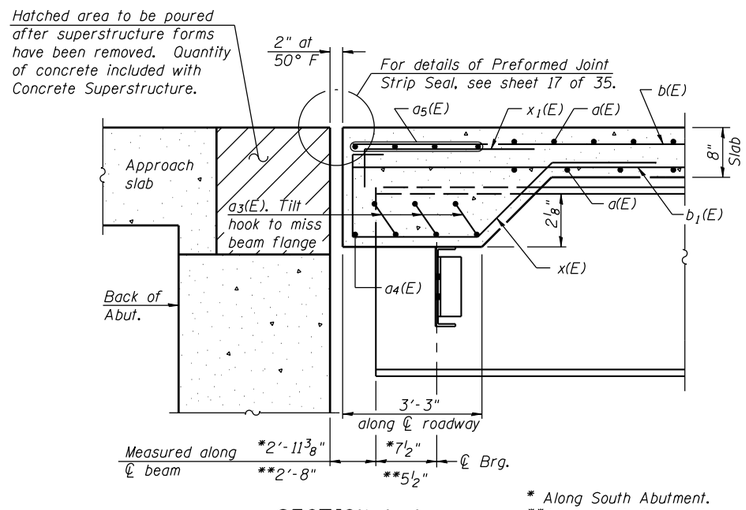


BAR d(E)

SUPERSTRUCTURE BILL OF MATERIAL

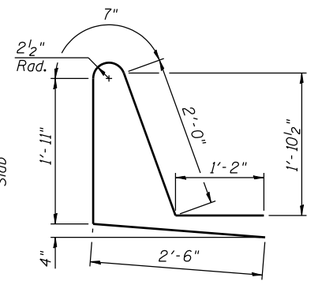
Bar	No.	Size	Length	Shape
d(E)	512	#5	39'-5"	
$a_2(E)$	264	#6	6'-6"	
$a_3(E)$	84	#8	13'-3"	
$a_4(E)$	16	#8	28'-9"	
$a_5(E)$	80	#5	21'-11"	
$a_6(E)$	3	#5	6'-10"	
$a_7(E)$	3	#5	6'-5"	
b(E)	345	#5	25'-8"	
$b_1(E)$	328	#5	20'-2"	
$c_1(E)$	144	#5	1'-7"	
$c_2(E)$	72	#5	35'-8"	
d(E)	156	#5	5'-7"	
$d_1(E)$	156	#5	8'-2"	
e(E)	56	#4	17'-3"	
$e_1(E)$	6	#4	25'-0"	
$e_2(E)$	6	#8	27'-0"	
x(E)	320	#5	7'-11"	
$x_1(E)$	192	#5	4'-1"	
Concrete Superstructure		Cu. Yd.	260	
Reinforcement Bars, Epoxy Coated		Pound	55,600	

Bars indicated thus 1 x3 - #8 etc. indicates 1 line of bars with 3 lengths per line.

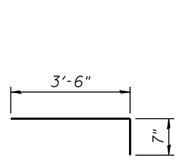


SECTION A-A

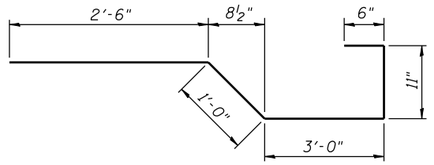
* Along South Abutment.
** Along North Abutment.



BAR $d_1(E)$



BAR $x_1(E)$



BAR x(E)

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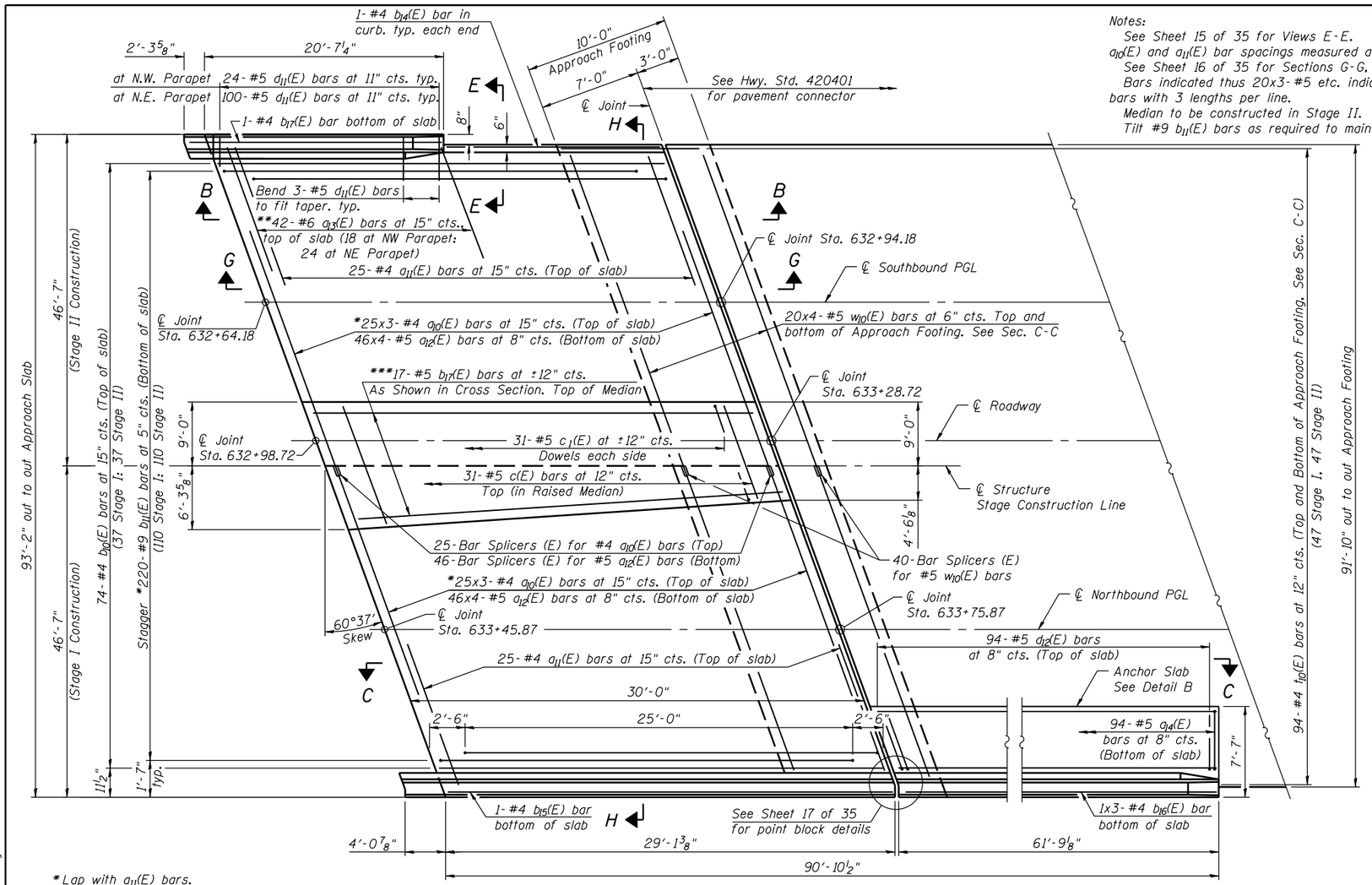
STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED - RRD	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DETAILS STRUCTURE NO. 098-0015
		CHECKED - AJS	REVISED		
	PLOT SCALE =	DRAWN - BJF	REVISED		SHEET NO. 13 OF 35 SHEETS
	PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED		

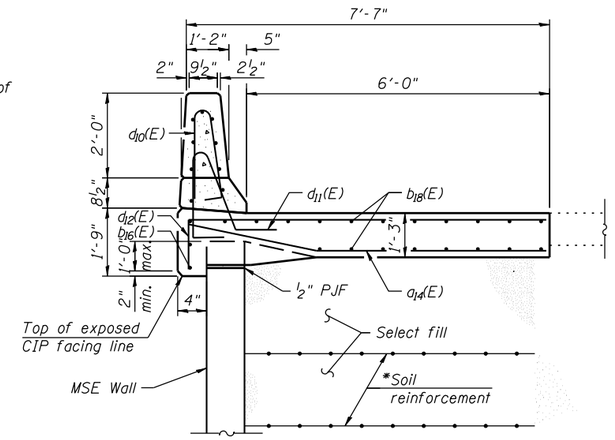
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	69
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



* Lap with a_{11}(E) bars.
** Space between a_{10}(E) and a_{11}(E) bars, typ. each parapet.
*** Rotate to fit b_{17}(E) bars.

NORTH PLAN

Notes:
See Sheet 15 of 35 for Views E-E.
a_{10}(E) and a_{11}(E) bar spacings measured along ℄ Rdwy.
See Sheet 16 of 35 for Sections G-G, H-H, and I-I.
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Median to be constructed in Stage II.
Tilt #9 b_{11}(E) bars as required to maintain clearance.



DETAIL B

*The MSE Wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kips/ft. of wall

MIN. BAR LAP

(Approach Slab)
#4 bar = 2'-4"
#5 bar = 2'-7"

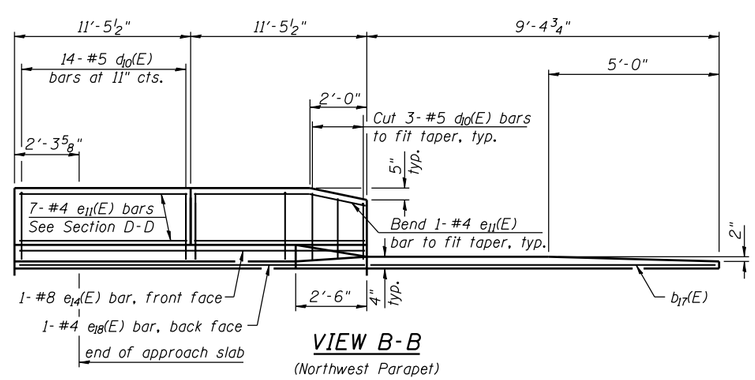
MIN. BAR LAP

(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"

NORTH APPROACH BILL OF MATERIAL

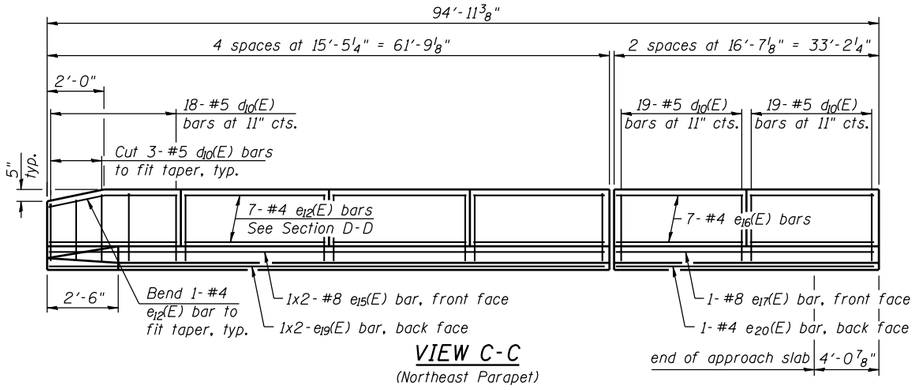
Bar	No.	Size	Length	Shape	
a_{10}(E)	150	#4	25'-6"		
a_{11}(E)	50	#4	25'-11"		
a_{12}(E)	368	#5	25'-9"		
a_{13}(E)	42	#6	6'-6"		
a_{14}(E)	94	#5	7'-3"		
b_{10}(E)	74	#4	29'-8"		
b_{11}(E)	220	#9	29'-9"		
b_{14}(E)	1	#4	20'-3"		
b_{15}(E)	1	#4	28'-9"		
b_{16}(E)	3	#4	21'-11"		
b_{17}(E)	1	#5	9'-1"		
b_{18}(E)	48	#4	26'-6"		
c(E)	31	#5	31'-6"		
c_1(E)	62	#5	1'-7"		
d_{10}(E)	132	#5	5'-7"		
d_{11}(E)	124	#5	7'-11"		
d_{12}(E)	94	#5	8'-6"		
e_{11}(E)	14	#4	11'-1"		
e_{12}(E)	28	#4	15'-0"		
e_{14}(E)	1	#8	22'-7"		
e_{15}(E)	2	#8	33'-4"		
e_{16}(E)	14	#4	16'-3"		
e_{17}(E)	1	#8	32'-10"		
e_{18}(E)	1	#4	22'-7"		
e_{19}(E)	2	#4	31'-9"		
e_{20}(E)	1	#4	32'-10"		
t_{10}(E)	188	#4	20'-0"		
w_{10}(E)	320	#5	25'-6"		
Concrete Superstructure		Cu. Yd.	207		
Concrete Structures		Cu. Yd.	58		
Reinforcement Bars, Epoxy Coated		Pound	43,780	****	
Reinforcement Bars, Epoxy Coated		Pound	11,030	*****	

**** Included in Superstructure quantity
***** Included in Substructure quantity



VIEW B-B

(Northwest Parapet)



VIEW C-C

(Northeast Parapet)

FILE NAME = S:\IDL\63080-6399\63460925\Micros\Sht\Structural Plans\P0880815-64C17-BAP.dgn

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

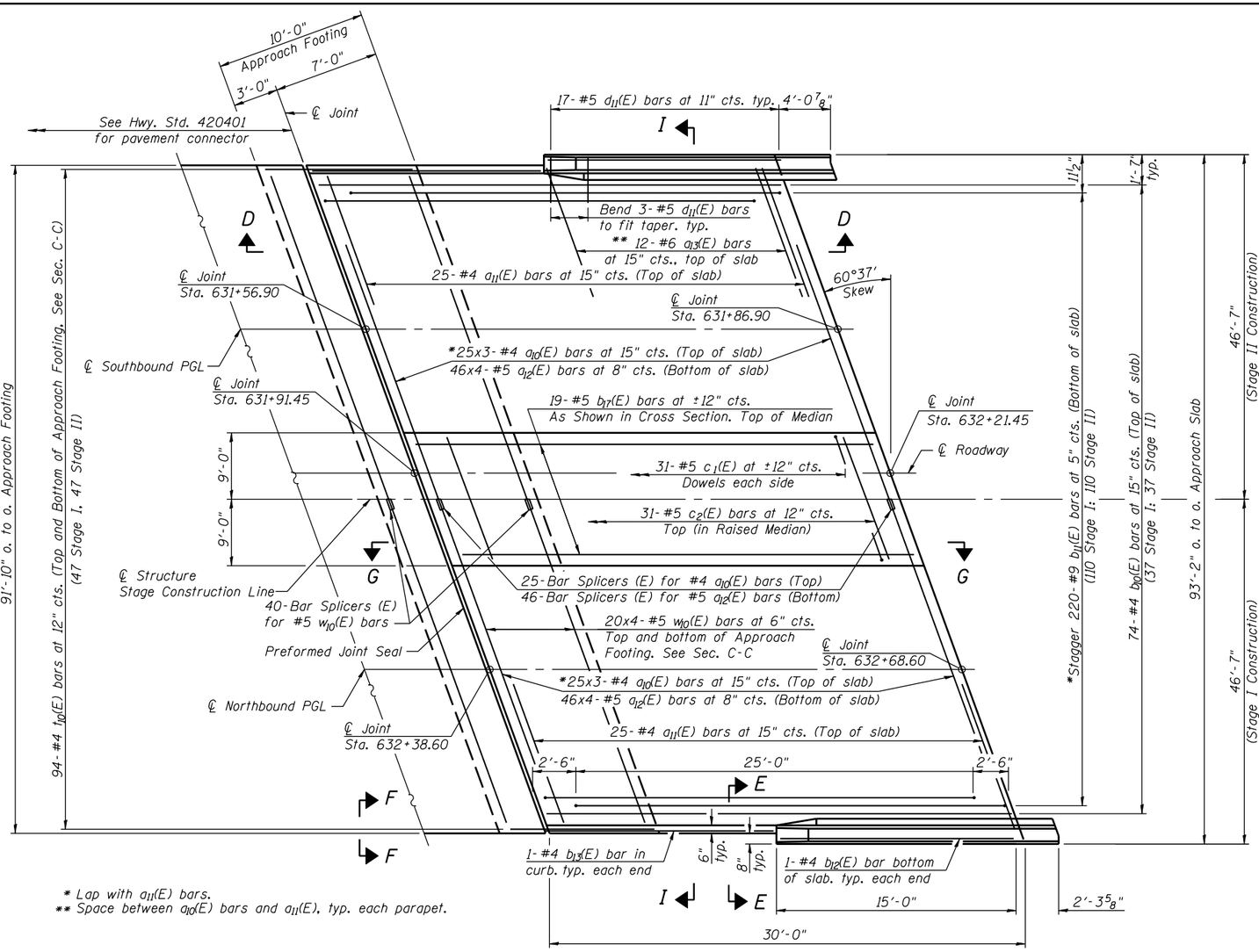
USER NAME = ryand	DESIGNED - MJD	REVISED
	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 12/11/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH PAVEMENT (1 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 14 OF 35 SHEETS

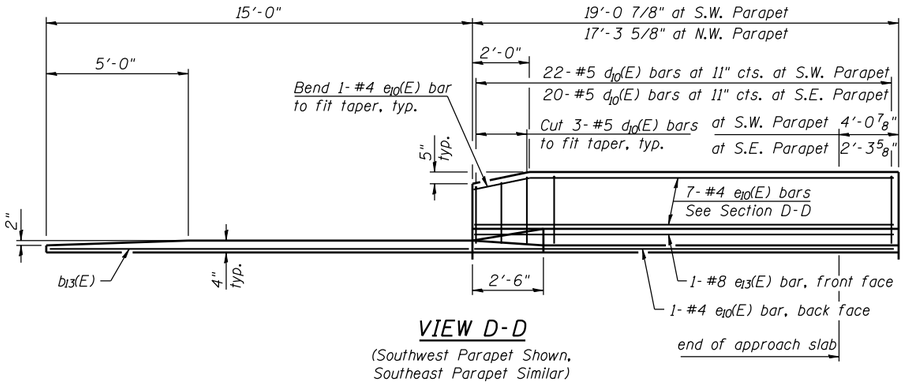
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	70
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

Notes:
See Sheet 16 of 35 for Sections G-G, H-H and I-I.
$a_{10}(E)$ and $a_{11}(E)$ bar spacings measured along ℄ Rdwy.
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Tilt #9 $b_{11}(E)$ bars as required to maintain clearance.
See Sheet 14 of 35 for bar lap requirements.



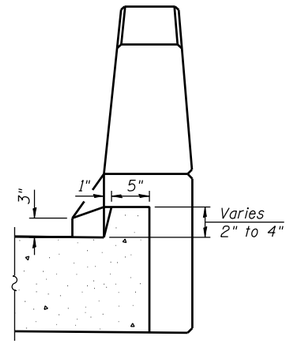
* Lap with $a_{11}(E)$ bars.
** Space between $a_{10}(E)$ bars and $a_{11}(E)$, typ. each parapet.

SOUTH PLAN



VIEW D-D

(Southwest Parapet Shown, Southeast Parapet Similar)

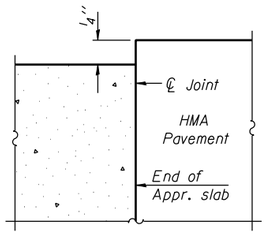


VIEW E-E

SOUTH APPROACH BILL OF MATERIAL

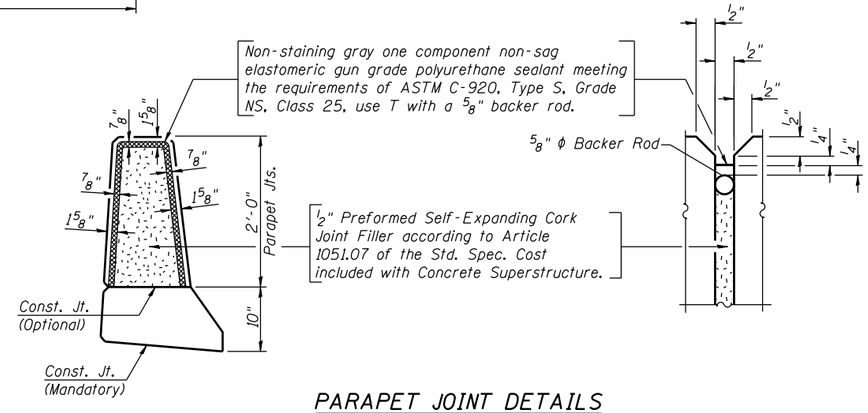
Bar	No.	Size	Length	Shape	
$a_{10}(E)$	150	#4	25'-6"		
$a_{11}(E)$	50	#4	25'-11"		
$a_{12}(E)$	368	#5	25'-9"		
$a_{13}(E)$	24	#6	6'-6"		
$b_{10}(E)$	74	#4	29'-8"		
$b_{11}(E)$	220	#9	29'-9"		
$b_{12}(E)$	2	#4	14'-8"		
$b_{13}(E)$	2	#4	15'-10"		
$b_{17}(E)$	19	#5	9'-1"		
$c_1(E)$	62	#5	1'-7"		
$c_2(E)$	31	#5	36'-4"		
$d_{10}(E)$	42	#5	5'-7"		
$d_{11}(E)$	34	#5	7'-11"		
$e_{10}(E)$	16	#4	14'-8"		
$e_{13}(E)$	2	#8	14'-8"		
$t_{10}(E)$	188	#4	20'-0"		
$w_{10}(E)$	320	#5	25'-6"		
Concrete Superstructure			Cu. Yd.	176	
Concrete Structures			Cu. Yd.	58	
Reinforcement Bars, Epoxy Coated			Pound	39,520	***
Reinforcement Bars, Epoxy Coated			Pound	11,030	****

*** Included in Superstructure quantity
**** Included in Substructure quantity



FLEXIBLE PAVEMENT

DETAIL A



PARAPET JOINT DETAILS

FILE NAME = s:\pl\6300-6399\6346\025\Micros\Sht\Structural Plans\098D015-64C17-BIA-BAP.dgn

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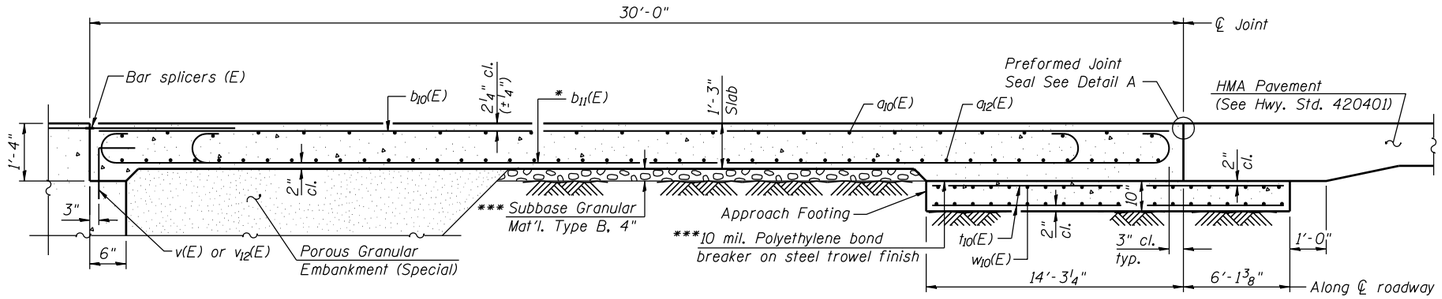
USER NAME = brianf	DESIGNED - MJD	REVISED	
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

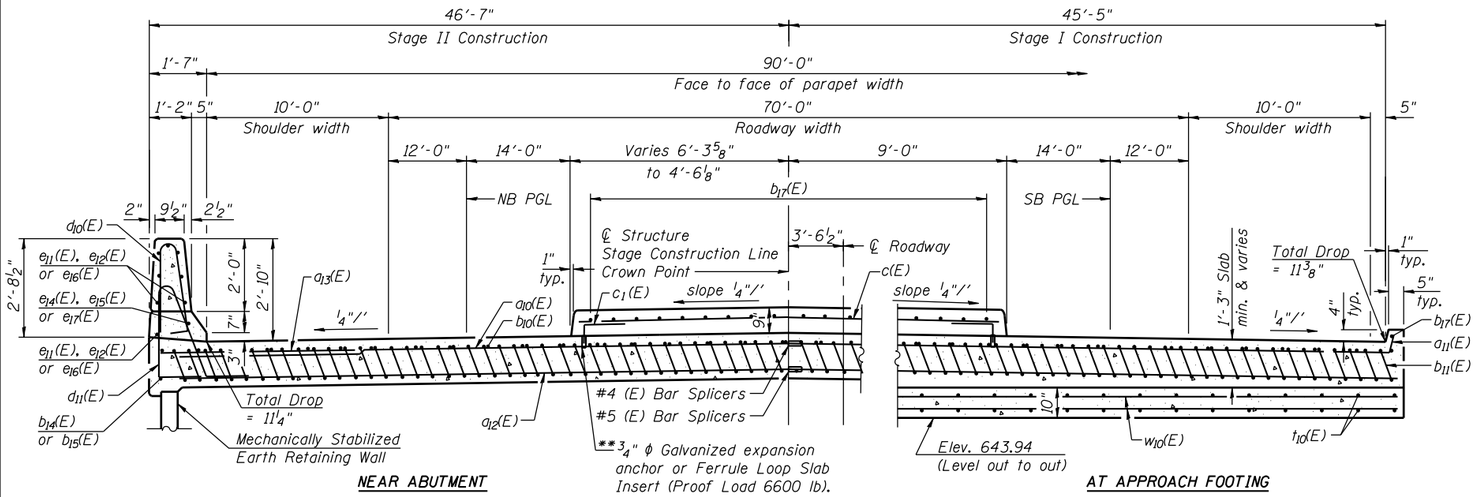
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH PAVEMENT (2 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 15 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	71
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



SECTION G-G

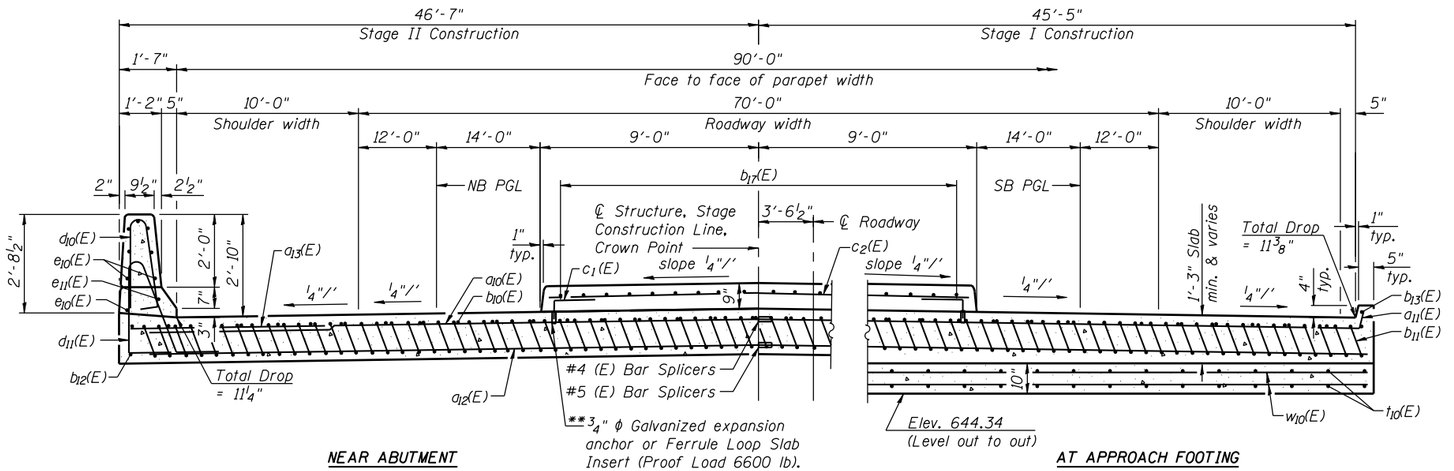


NEAR ABUTMENT

AT APPROACH FOOTING

SECTION H-H

(North Approach - Looking South)



NEAR ABUTMENT

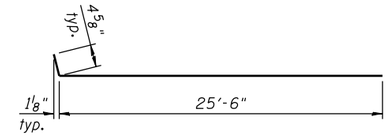
AT APPROACH FOOTING

SECTION I-I

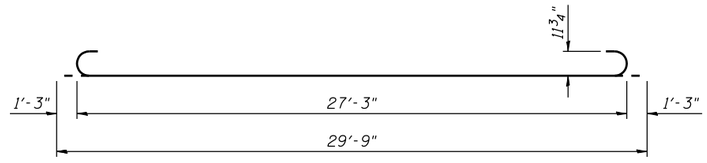
(South Approach - Looking South)

Notes:

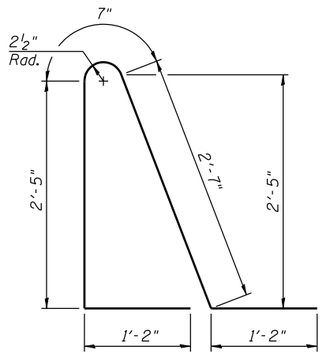
See Sheet 15 of 35 for Detail A.
Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For $v_{12}(E)$ bar details, See Sheet 28 of 35.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, See Sheet 32 of 35.
Cost of excavation for approach footing included with Concrete Structures.
For Porous Granular Embankment (Special) and drainage treatment details, See Sheet 28 of 35.
For additional parapet details, See Sheet 14 and 15 of 35.
See Sheet 13 of 35 for $d(E)$ and $c_1(E)$ bend diagrams.



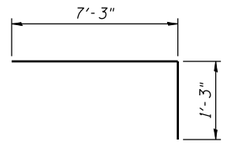
BAR $a_{11}(E)$



BAR $b_{11}(E)$



BAR $d_{11}(E)$



BAR $d_{12}(E)$

*Tilt #9 $b_{11}(E)$ bars as required to maintain clearance.

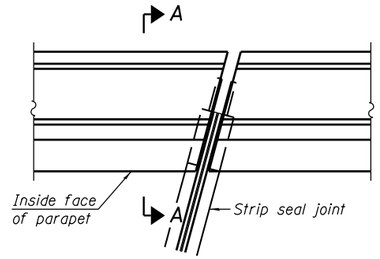
**The cost of expansion anchors/inserts is included in the cost of Reinforcement Bars, Epoxy Coated.

***Cost included with Concrete Superstructure.

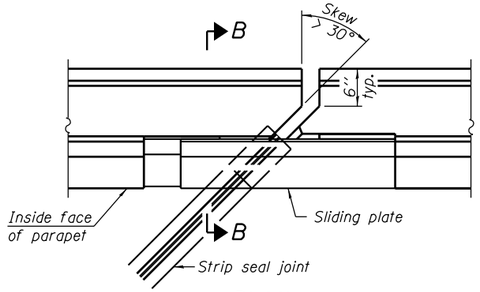
FILE NAME = s:\pd\6300-6399\6346\025\Micros\Sht\Structural Plans\0980015-64C17-014-BAP.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED - RRD	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH PAVEMENT (3 OF 3) STRUCTURE NO. 098-0015
		CHECKED - AJS	REVISED		
	PLOT SCALE =	DRAWN - BJF	REVISED		
	PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED		SHEET NO. 16 OF 35 SHEETS

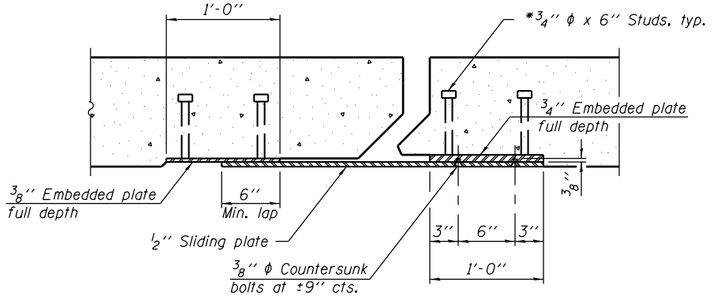
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	72
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



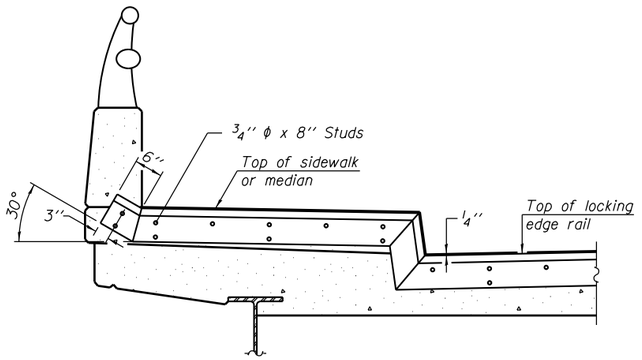
PLAN
(For skews ≤ 30°)



PLAN
(For skews > 30°)
Showing point block

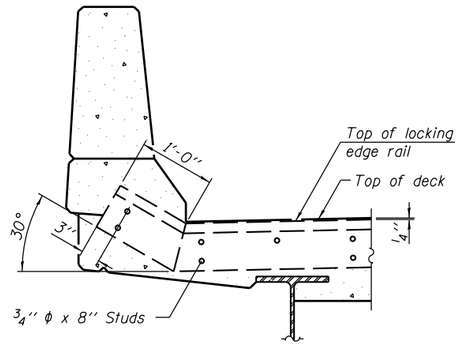


SECTION C-C

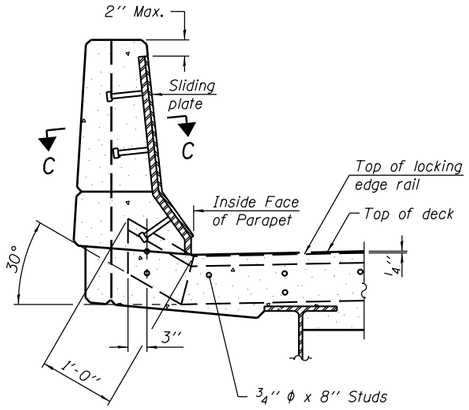


TYPICAL END TREATMENT AT SIDEWALK OR MEDIAN

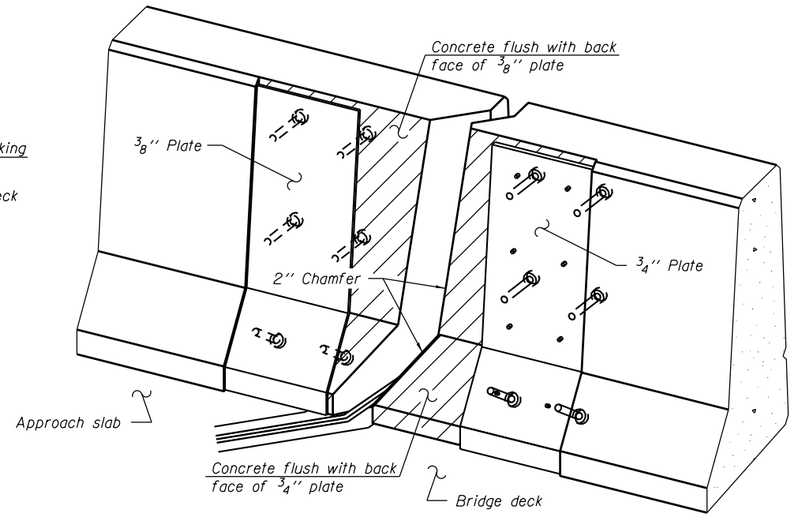
Shorter plates with a single row of studs at 12'' cts. may be necessary on medians which are shallower than 9''. See manufacturer's recommendation.



SECTION A-A



SECTION B-B



TRIMETRIC VIEW
(Showing back plates only)

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of 1/4''. The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.

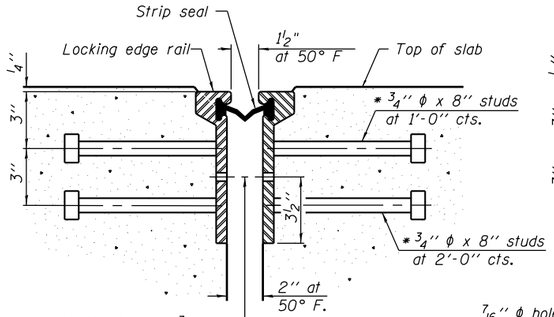
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

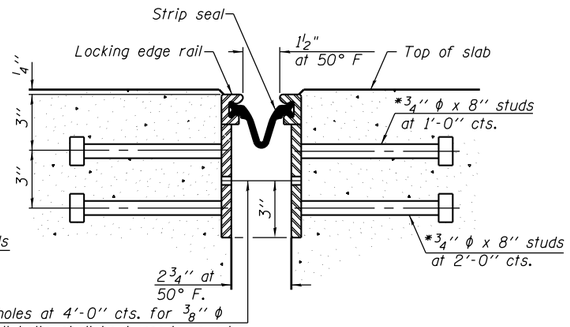
Maximum space between rail segments shall be 3/16'', sealed with a suitable sealant. Joints in rails within 10 ft. of curbs shall be welded.

Parapet plates and anchorage studs for skews > 30° included in the cost of Preformed Joint Strip Seal.



7/16'' ϕ holes at 4'-0'' cts. for 3/8'' ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

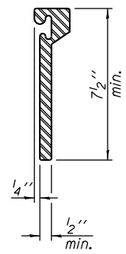
SECTION THRU ROLLED RAIL JOINT



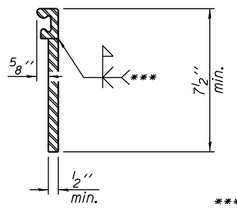
7/16'' ϕ holes at 4'-0'' cts. for 3/8'' ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

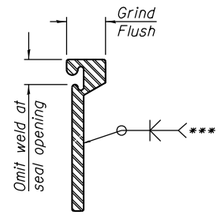
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED EXTRUDED RAIL



WELDED RAIL



*** Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue.

Rolled rail shown, welded rail similar.

LOCKING EDGE RAILS

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	378

EJ-SSJ 1-27-12

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273

USER NAME = dennisw	DESIGNED - RRD	REVISED	
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 12/3/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 098-0015
SHEET NO. 17 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	73
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

* TOP OF WEB ELEVATIONS		
Beam Number	℄ Brg. S. Abut.	℄ Brg. N. Abut.
1	645.83	646.07
2	646.00	646.20
3	646.16	646.32
4	646.32	646.43
5	646.47	646.54
6	646.62	646.64
7	646.75	646.73
8	646.88	646.81
9	646.88	646.81
10	646.78	646.62
11	646.65	646.46
12	646.53	646.29
13	646.39	646.11
14	646.25	645.92
15	646.10	645.73
16	645.95	645.53

* For Fabrication Only

INTERIOR GIRDER REACTION TABLE		
		Abutment
R_{DC1}	(k)	26.08
R_{DC2}	(k)	10.10
R_{DW}	(k)	8.60
R_{L+IM}	(k)	103.15
R_{Total}	(k)	147.92

INTERIOR GIRDER MOMENT TABLE		
		0.5 Sp.
I_s	(in^4)	7,246
$I_c(n)$	(in^4)	25,684
$I_c(3n)$	(in^4)	16,956
S_s	(in^3)	714
$S_c(n)$	(in^3)	1,064
$S_c(3n)$	(in^3)	965
DC1	(k/')	0.775
M_{DC1}	('k)	404
DC2	(k/')	0.338
M_{DC2}	('k)	158
DW	(k/')	0.288
M_{DW}	('k)	134
M_{L+IM}	('k)	721
M_u (Strength I)	('k)	2,165
$\phi_f M_n$	('k)	4,293
f_s DC1	(ksi)	6.78
f_s DC2	(ksi)	1.96
f_s DW	(ksi)	1.67
f_s (L+IM)	(ksi)	8.13
f_s (Service II)	(ksi)	20.98
$0.95R_hF_{yf}$	(ksi)	47.5
f_s (Total)(Strength I)	(ksi)	27.7
$\phi_f F_n$	(ksi)	-
V_f	(k)	42.98

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads ($in.^4$ and $in.^3$).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25\ (M_{DC1} + M_{DC2}) + 1.5\ M_{DW} + 1.75\ M_{L+IM}$

$\phi_f M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_s

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
$M_{DC2} / S_c(3n)$.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
$M_{DW} / S_c(3n)$.

f_s (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
$M_{L+IM} / S_c(n)$.

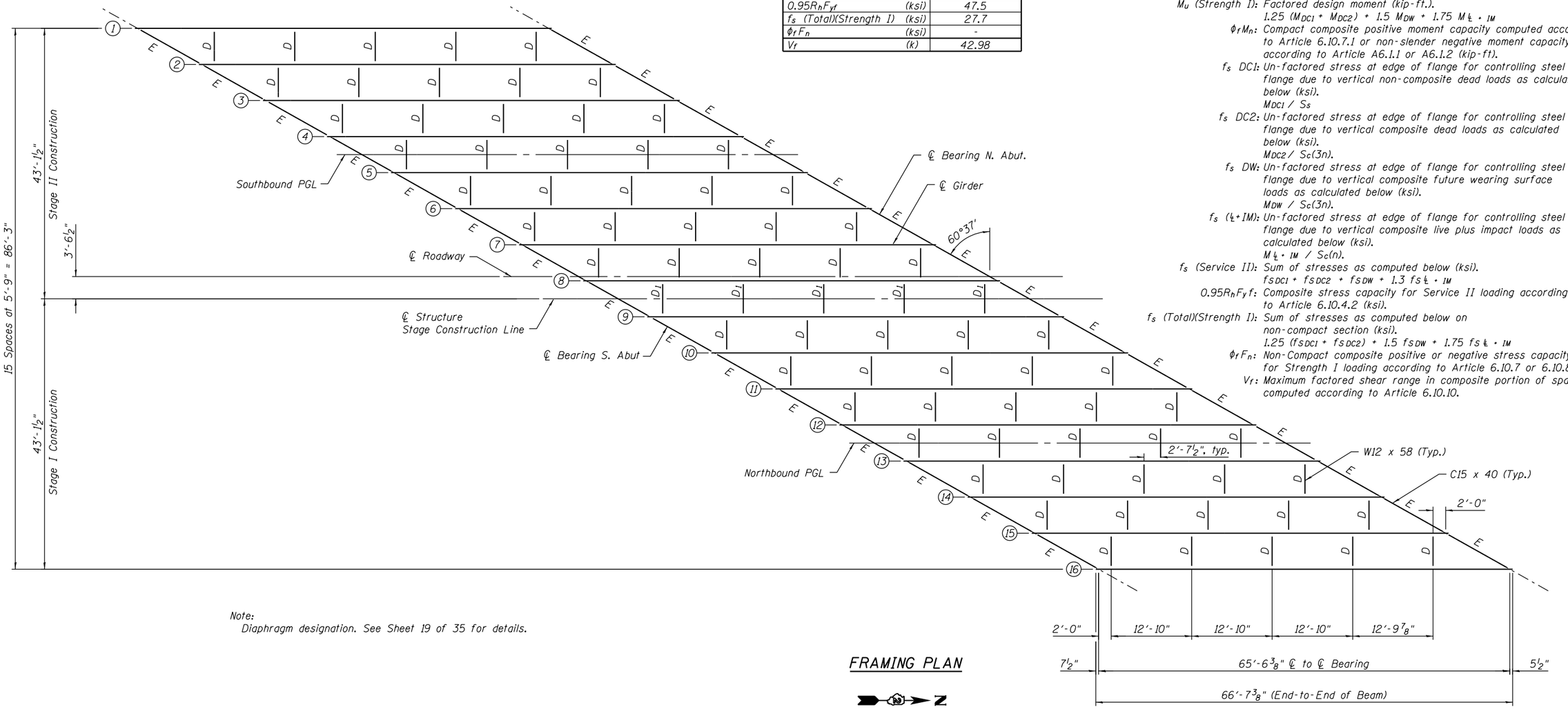
f_s (Service II): Sum of stresses as computed below (ksi).
$f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3\ f_{sL+IM}$

$0.95R_hF_yf$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\ (f_{sDC1} + f_{sDC2}) + 1.5\ f_{sDW} + 1.75\ f_{sL+IM}$

$\phi_f F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

V_f: Maximum factored shear range in composite portion of span computed according to Article 6.10.10.



Note:
Diaphragm designation. See Sheet 19 of 35 for details.

FRAMING PLAN

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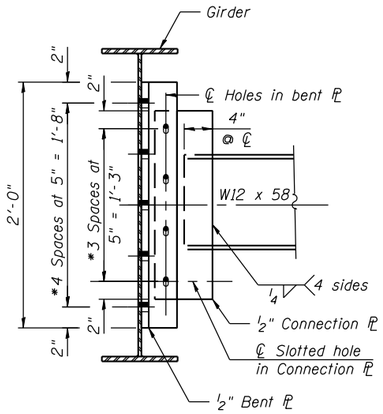
STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = brianf	DESIGNED - MJD	REVISED	
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 12/6/2012	CHECKED - RRD	REVISED	

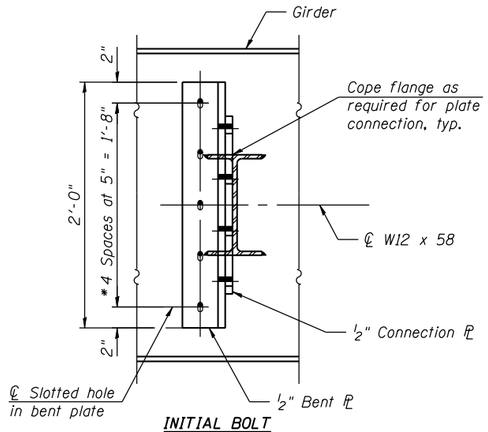
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL FRAMING PLAN
STRUCTURE NO. 098-0015
SHEET NO. 18 OF 35 SHEETS

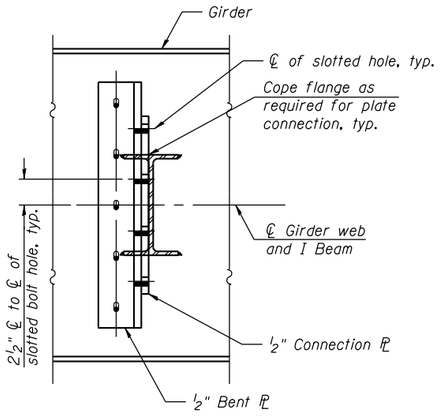
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	74
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



INITIAL BOLT ERECTION POSITION



INITIAL BOLT ERECTION POSITION



FINAL ERECTION POSITION AFTER STAGE II DECK POUR

INTERIOR DIAPHRAGM D_1

*Use $^{13}/_{16}$"x$1^{7}/_{8}$" long-slotted vertical holes for the diaphragms along the Stage Construction Line at beam 8. Long-slotted holes shall be utilized in the bent plate at the web and in the connection plate. Slotted holes shall not be used in the beam web.

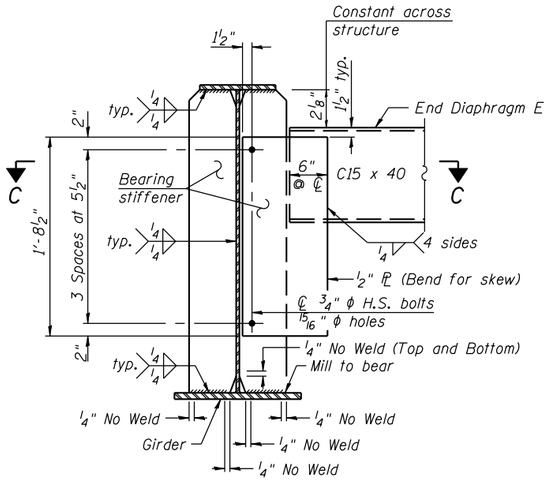
GENERAL NOTES

All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

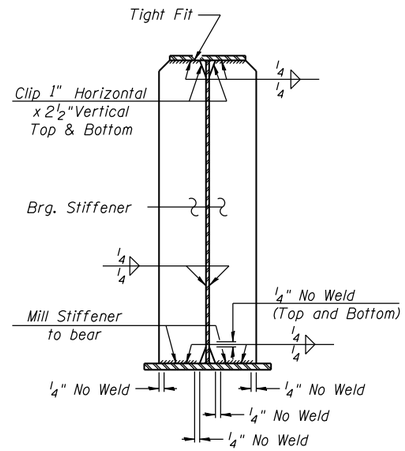
Load carrying components designated "NTR" shall conform to the "Impact Testing Requirements, Zone 2".

Two hardened washers required for each set of oversized holes.

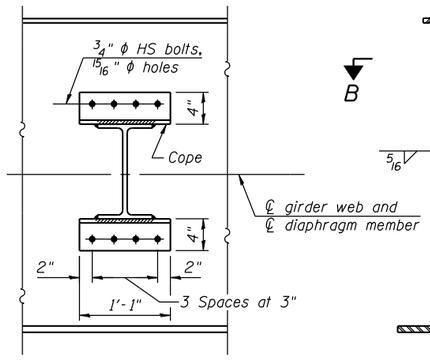
Bolts in slots shall be finger tight until the second stage pour is complete and fully tightened after completion of the deck pour for Stage II Construction. Position slots so bolts start at the end with no concrete load and finish near the opposite end under deck load, allowing maximum displacement without laterally stressing main members.

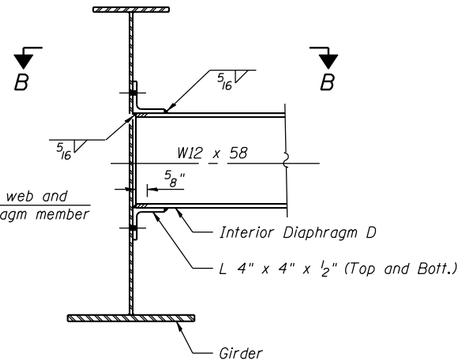


END DIAPHRAGM E

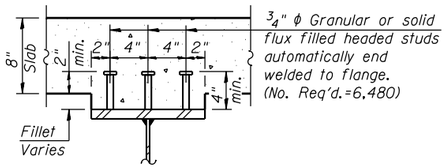


SECTION AT ABUTMENT

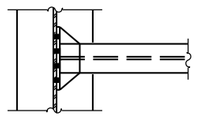




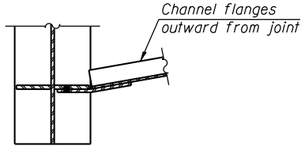
INTERIOR DIAPHRAGM D



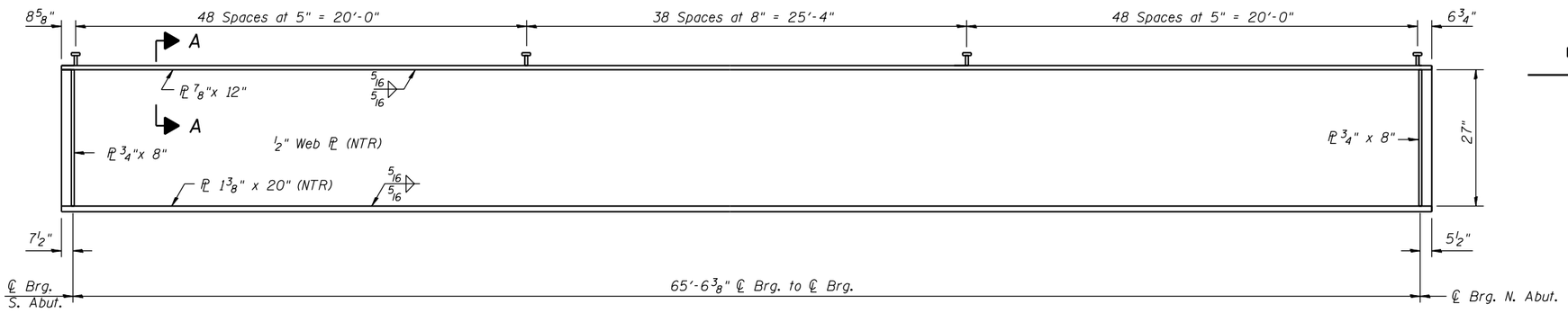
SECTION A-A



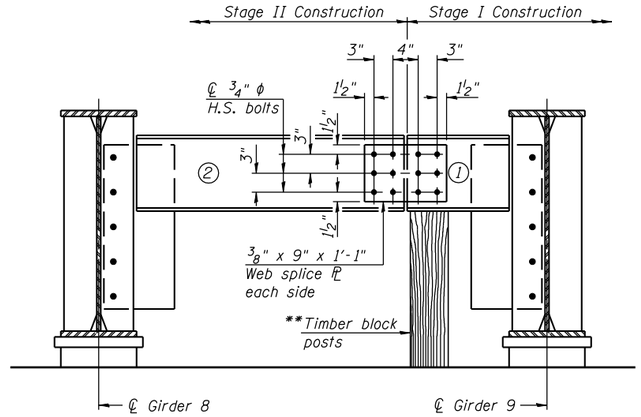
SECTION B-B



SECTION C-C



GIRDER ELEVATION



END DIAPHRAGM

**Cost of Timber Block Posts is included with Structural Steel.

END DIAPHRAGM STAGE CONSTRUCTION SEQUENCE

1.) Order diaphragm in two sections.
2.) Attach section (1) of diaphragm to girder.
3.) Place timber block posts between section (1) of diaphragm and abutment bearing section.
4.) Attach section (2) of diaphragm to both girder 8 and section (1) of diaphragm during stage II construction with splice plates.
5.) Remove timber block posts.

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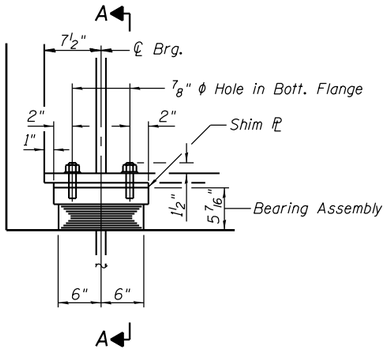
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 12/10/2012	CHECKED - RRD	REVISED

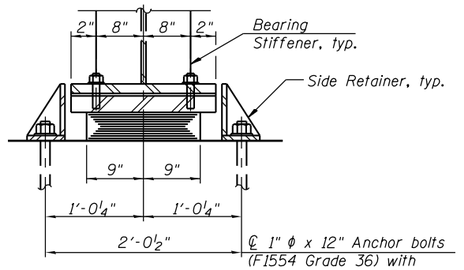
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM DETAILS
STRUCTURE NO. 098-0015
SHEET NO. 19 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	75
		CONTRACT NO. 64C17		
ILLINOIS	FED. AID PROJECT			

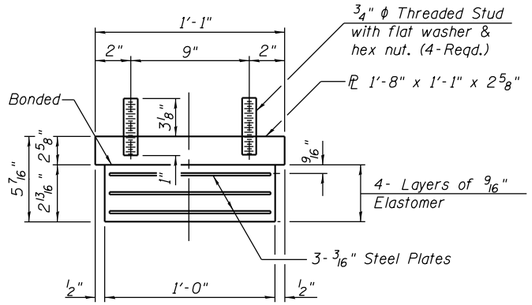


ELEVATION AT SOUTH ABUTMENT



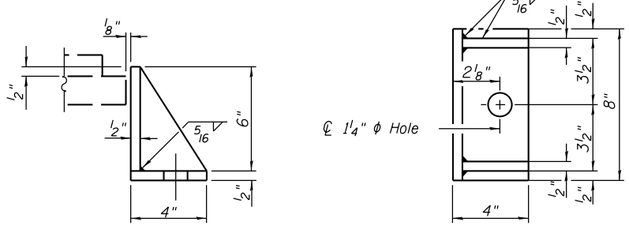
SECTION A-A

SOUTH ABUTMENT TYPE I ELASTOMERIC EXP. BRG.



SOUTH ABUTMENT BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.



SOUTH ABUTMENT SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

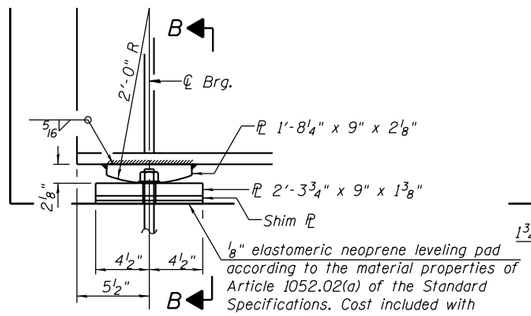
Notes:
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

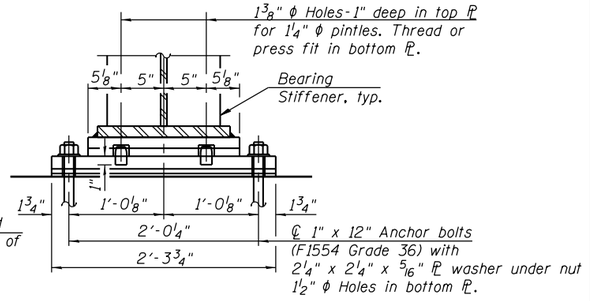
Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

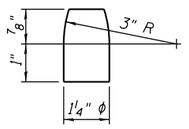


ELEVATION AT NORTH ABUTMENT



SECTION B-B

NORTH ABUTMENT FIXED BEARING



PINTLE

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	16
Anchor Bolts, 1"	Each	64

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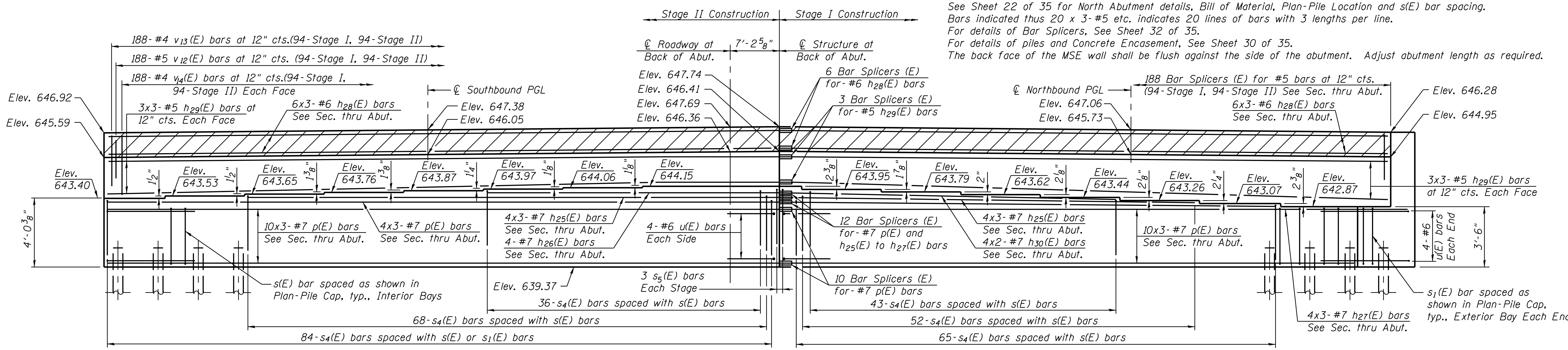
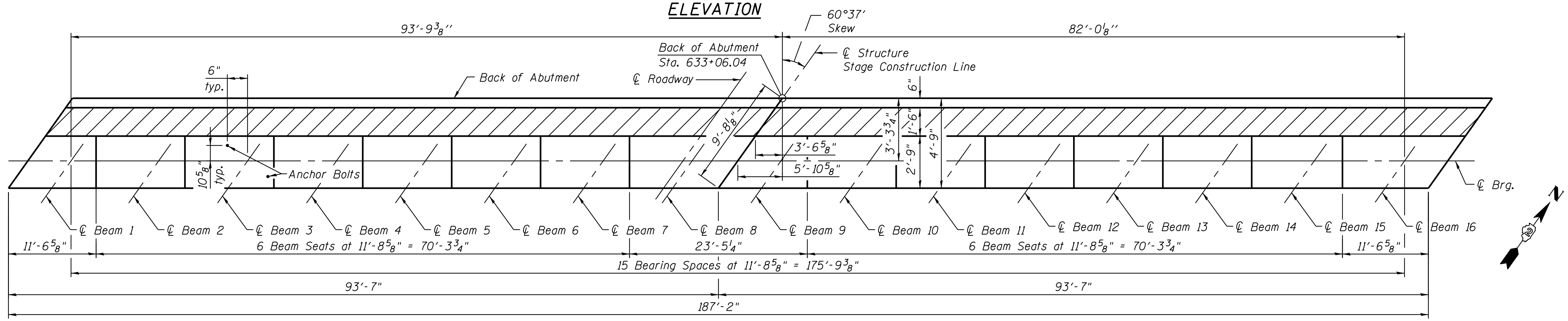
		CHECKED - AJS	REVISED							
	PLOT SCALE =	DRAWN - BJF	REVISED						CONTRACT NO. 64C17	
	PLOT DATE = 12/3/2012	CHECKED - RRD	REVISED		SHEET NO. 20 OF 35 SHEETS			ILLINOIS	FED. AID PROJECT	

Notes:

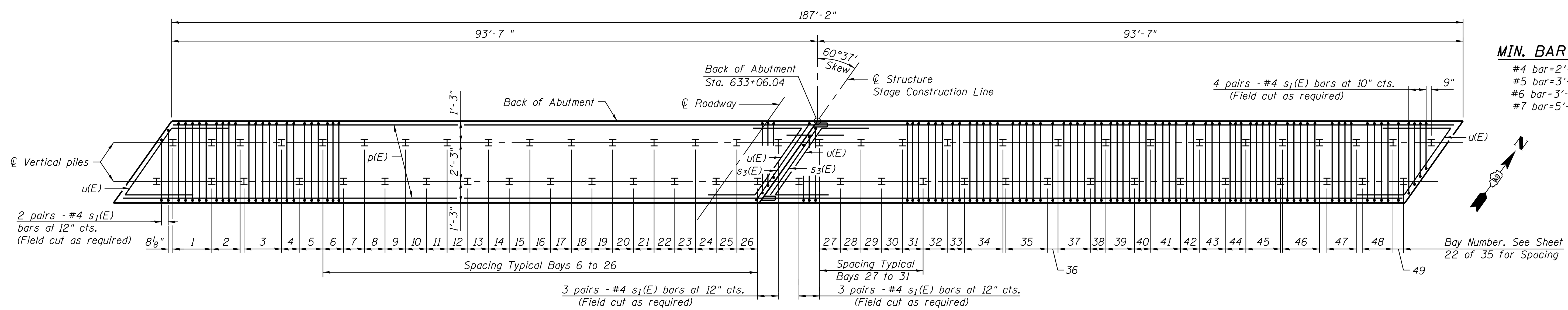
See Sheet 22 of 35 for North Abutment details, Bill of Material, Plan-Pile Location and s(E) bar spacing.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
For details of Bar Splicers, See Sheet 32 of 35.
For details of piles and Concrete Encasement, See Sheet 30 of 35.
The back face of the MSE wall shall be flush against the side of the abutment. Adjust abutment length as required.



ELEVATION



TOP VIEW



PLAN-PILE CAP

Note: Step Reinforcement Not Shown

MIN. BAR LAP

#4 bar=2'-0"
#5 bar=3'-3"
#6 bar=3'-10"
#7 bar=5'-2"

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PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
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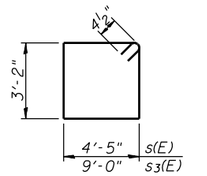
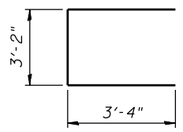
NORTH ABUTMENT DETAILS (1 OF 2)
STRUCTURE NO. 098-0015

SHEET NO. 21 OF 35 SHEETS

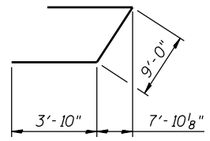
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	77
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		



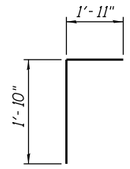
BARS s(E) & s3(E)



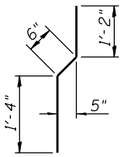
BARS s1(E)



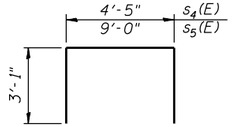
BAR u(E)



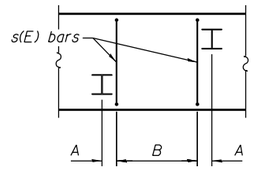
BAR v12(E)



BAR v13(E)

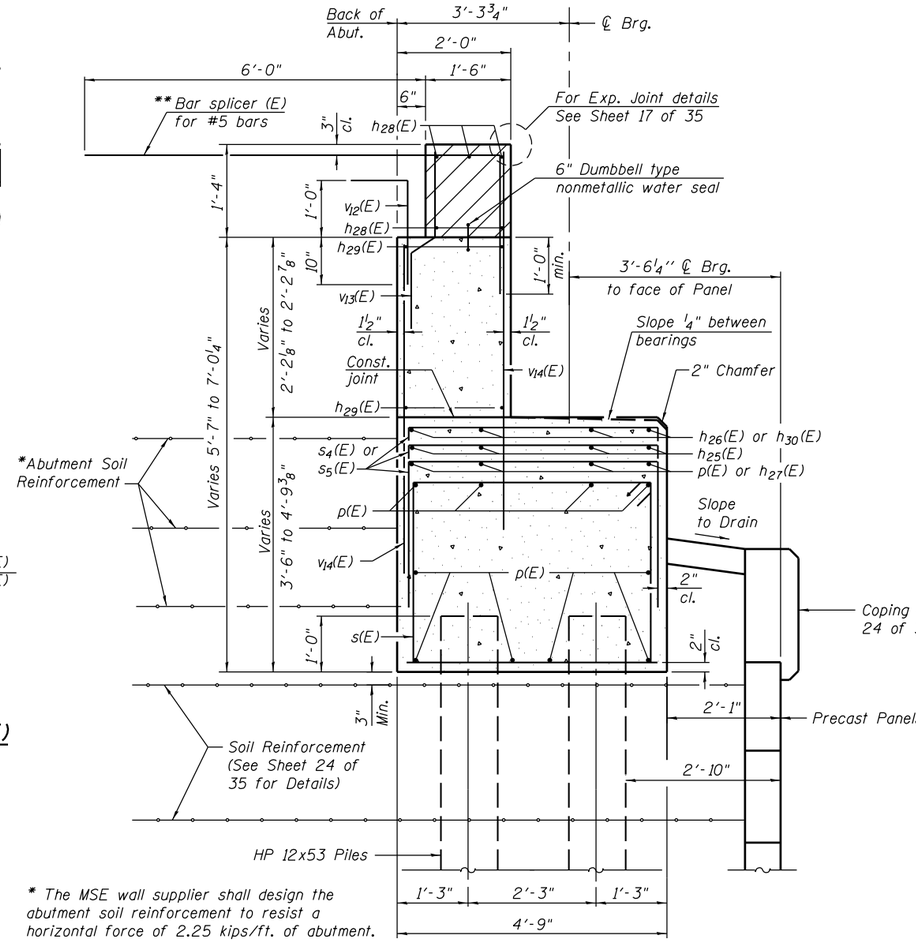


BARS s4(E) & s5(E)



PILE BAY BAR SPACING PLAN

See Pile Bay Bar Spacing Table



SEC. THRU ABUT.

* The MSE wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 2.25 kips/ft. of abutment.

**Align Bar Splicer parallel to approach slab reinforcement.

PILE BAY BAR SPACING TABLE

Bay	A	B
1	9 7/8"	5 bars at 12" cts.
2	8 1/8"	4 bars at 11" cts.
3	8 5/8"	5 bars at 12" cts.
4	9 3/8"	2 bars at 12" cts.
5	8 5/8"	3 bars at 12" cts.
6 to 26	8"	3 bars at 10" cts.
27 to 31	8"	3 bars at 10" cts.
32	9 3/8"	3 bars at 12" cts.
33	8 5/8"	2 bars at 12" cts.
34	9 3/8"	5 bars at 12" cts.
35	12"	5 bars at 12" cts.
36	9 3/8"	1 bar
37	10"	4 bars at 12" cts.
38	8 1/8"	2 bars at 11" cts.
39	8 1/4"	4 bars at 11" cts.
40	8 1/4"	2 bars at 12" cts.
41	7 3/4"	4 bars at 12" cts.
42	10 3/4"	2 bars at 12" cts.
43	10 1/4"	3 bars at 12" cts.
44	8 3/4"	3 bars at 9½" cts.
45	8 1/8"	5 bars at 11" cts.
46	8"	5 bars at 12" cts.
47	9"	4 bars at 11" cts.
48	8 3/4"	4 bars at 12" cts.
49	9 1/4"	1 bar

For Numbering of Bays See Sheet 21 of 35.
See Pile Bay Bar Spacing Plan for dimensions.

Notes:

Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.

Pour steps monolithically with cap.

For details of Bar Splicers, see sheet 32 of 35.

Piles shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal tar epoxy coating shall be included with the cost of the Furnishing Piles.

Pile shall be driven through 1'-6" min. diameter precored holes extending to elevation 632.8 according to Article 512.09(c) of the Standard Specifications and includes coring thru existing reinforce concrete footing. Proposed pile locations are to be located by the contractor to avoid interference with the existing piling. Cost included in Driving Piles.

For the Limits of Removal and Disposal of Unsuitable Material for Structures and Porous Gradual Embankment, see Sheet 24 of 35.

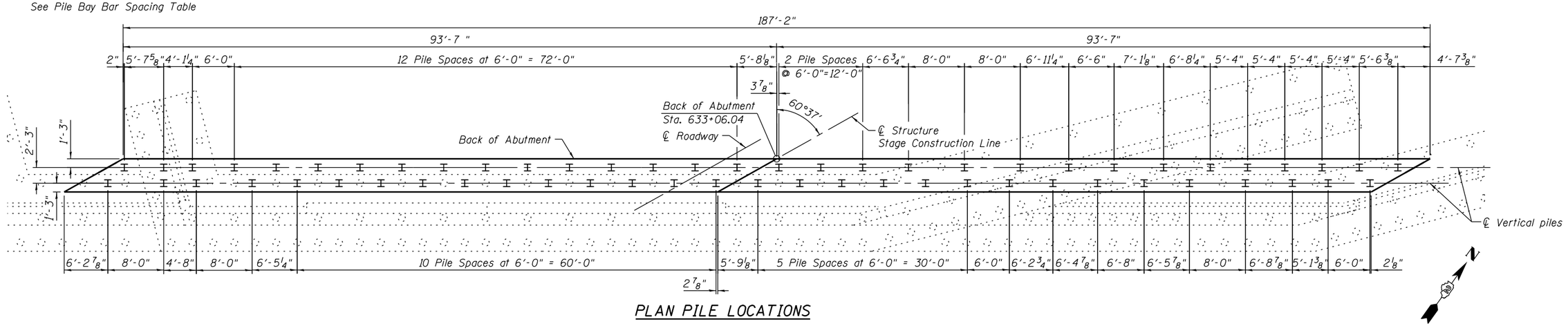
NORTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
p(E)	72	#7	34'-8"	
s(E)	156	#4	15'-11"	
s1(E)	24	#4	9'-10"	
s3(E)	2	#6	25'-1"	
s4(E)	348	#4	10'-7"	
s5(E)	6	#4	15'-1"	
h25(E)	24	#7	28'-6"	
h26(E)	8	#7	22'-7"	
h27(E)	12	#7	30'-10"	
h28(E)	36	#6	33'-9"	
h29(E)	36	#5	33'-5"	
h30(E)	8	#7	31'-11"	
u(E)	16	#6	16'-8"	
v12(E)	188	#5	3'-9"	
v13(E)	188	#4	3'-0"	
v14(E)	376	#4	5'-0"	
Porous Granular Embankment		Cu. Yd.	448	
Structure Excavation		Cu. Yd.	973	
Removal and Disposa of Unsuitable Material for Structures		Cu. Yd.	448	
Concrete Structures		Cu. Yd.	173	
Reinforcement Bars, Epoxy Coated		Pound	18,410	
Furnishing Steel Piles, HP 12x53		Foot	3,540	
Driving Piles		Foot	3,540	
Test Pile, Steel HP 12x53		Each	1	
Concrete Sealer		Sq. Ft.	2,110	

Structure Excavation quantity includes excavation for MSE Wall.

PILE DATA

Type: HP 12x53
Nominal Required Bearing: 145 Kips
Factored Resistance Available: 80 Kips
Est. Length: 59 Feet per Pile
No. Production Piles: 60
No. Test Piles: 1



PLAN PILE LOCATIONS

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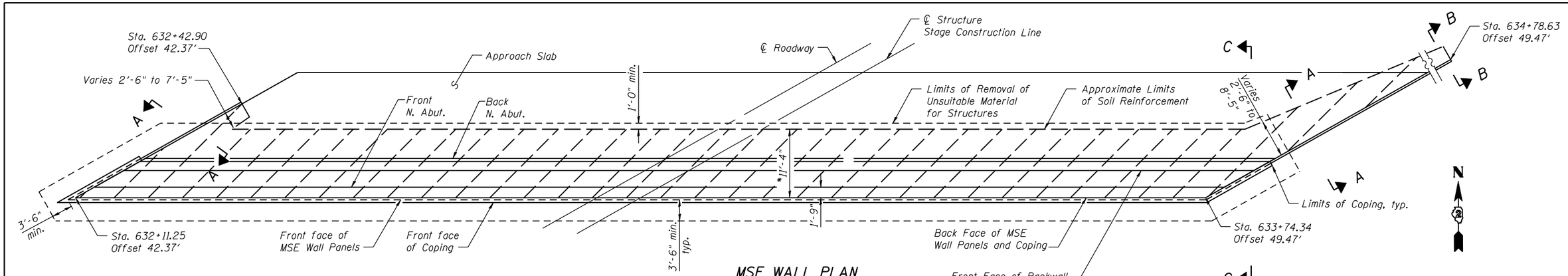
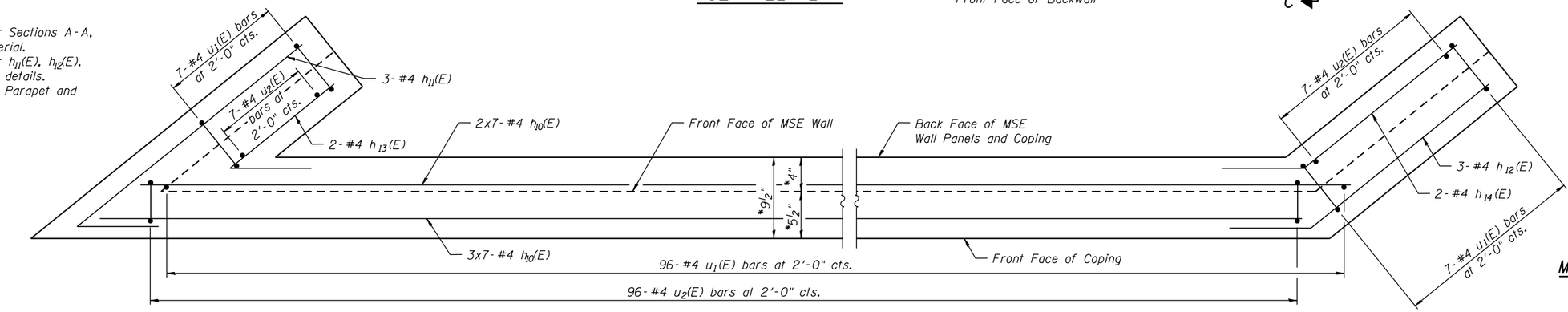
		CHECKED - AJS	REVISED			646	101 BR-3	WHITESIDE	113	78
	PLOT SCALE =	DRAWN - BJF	REVISED					CONTRACT NO. 64C17		
	PLOT DATE = 12/3/2012	CHECKED - RRD	REVISED		SHEET NO. 22 OF 35 SHEETS			ILLINOIS FED. AID PROJECT		



MSE WALL PLAN

Note:
See Sheet 24 of 35 for Sections A-A, B-B, C-C, and Bill of Material.
See Sheet 24 of 35 for $h_{11}(E)$, $h_{12}(E)$, $h_{13}(E)$, $h_{14}(E)$ and $u_1(E)$ bar details.
See Sheet 14 of 35 for Parapet and Anchor Slab details.

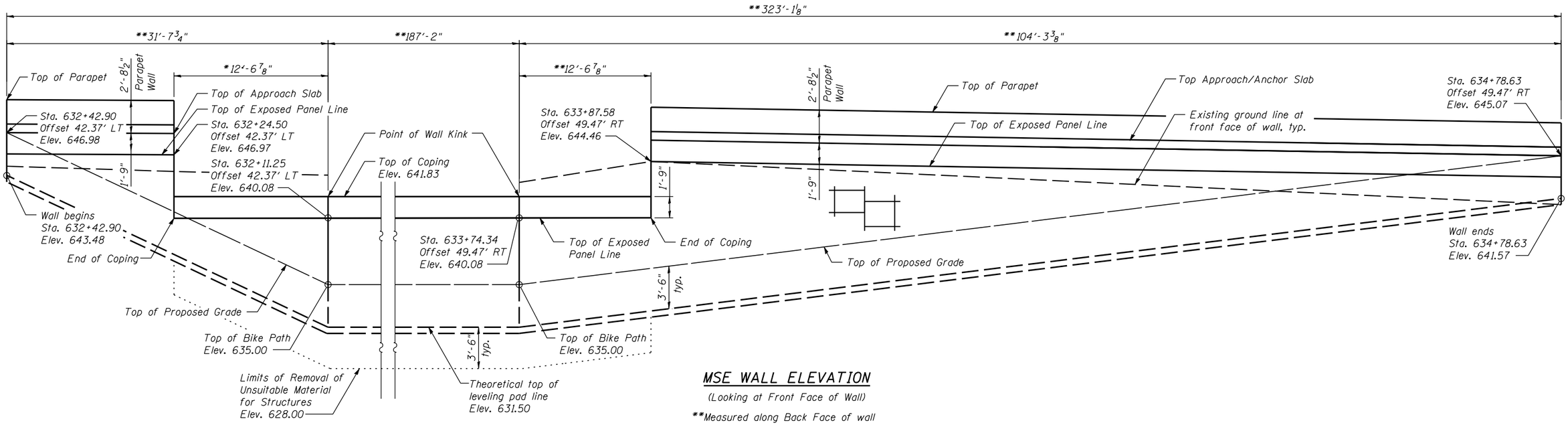


COPING REINFORCEMENT PLAN

MIN. BAR LAP

#4 bar = 2'-11"

*Dimensions to be verified by MSE Wall Manufacturer.



MSE WALL ELEVATION

(Looking at Front Face of Wall)

**Measured along Back Face of wall

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PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

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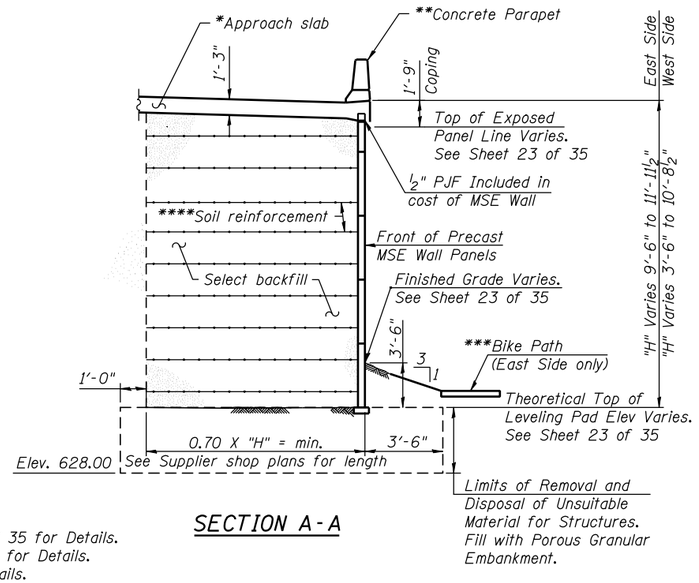
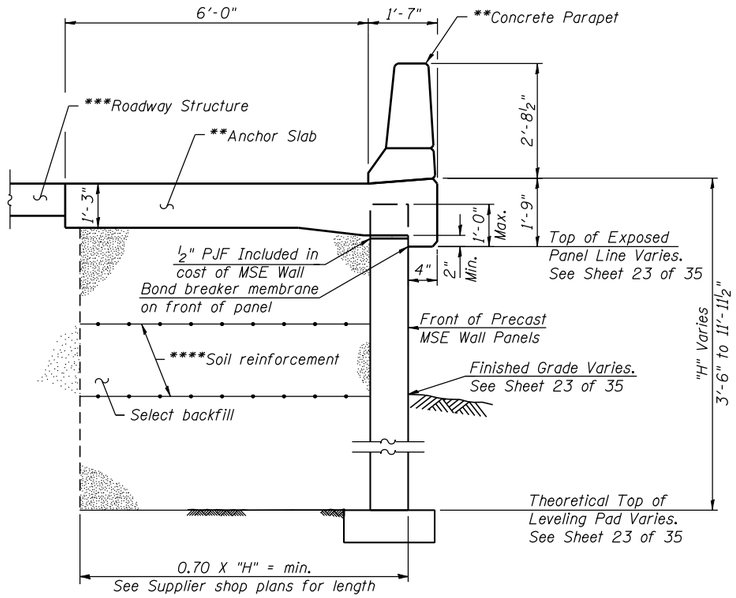
DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS (1 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 23 OF 35 SHEETS

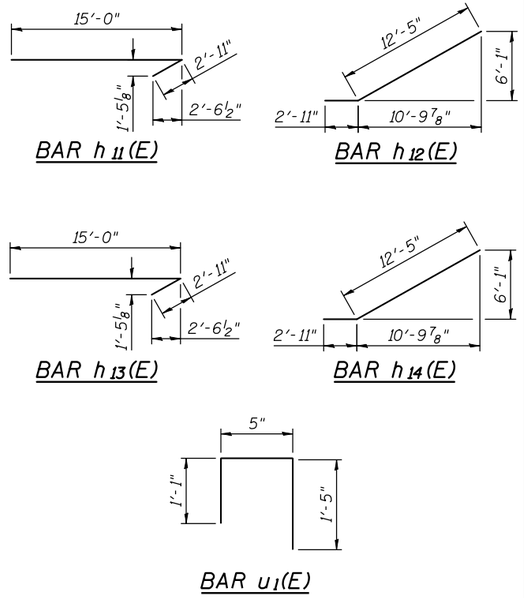
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	79
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



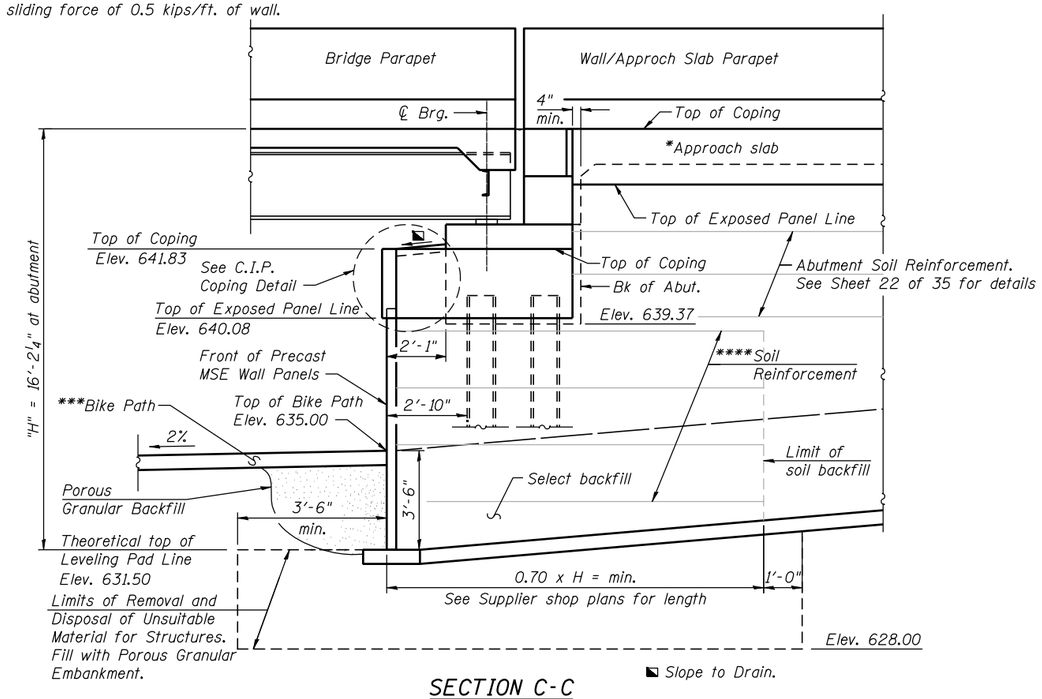
SECTION A-A



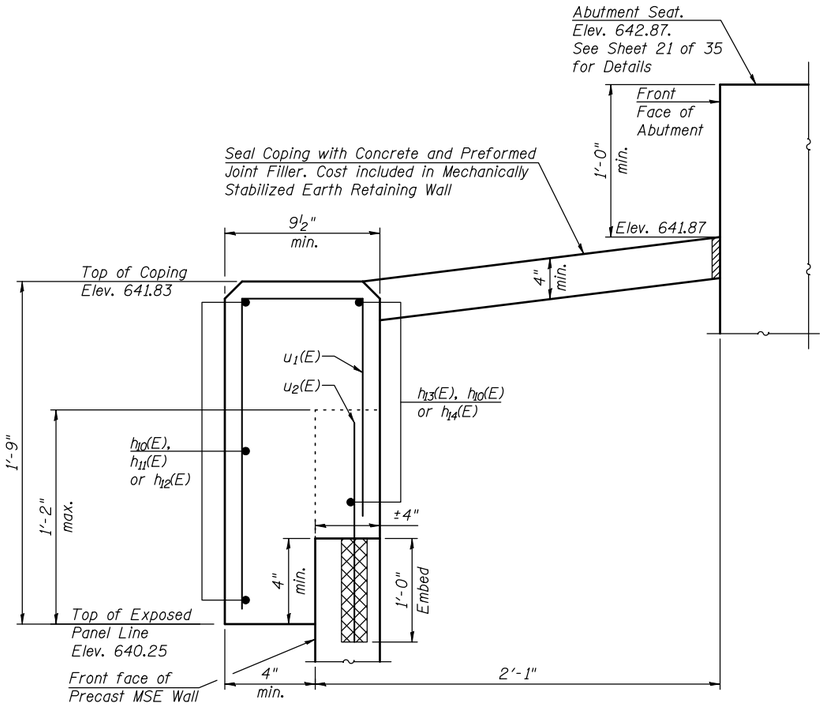
SECTION B-B



* See Sheet 14, 15 and 16 of 35 for Details.
** See Sheet 14 and 15 of 35 for Details.
*** See Roadway Plans for Details.
**** The MSE wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kips/ft. of wall.



SECTION C-C
(Looking West)
(Horizontal Dimensions @ Rt. ∠'s)
Note: Existing Foundation not shown for clarity.



C.I.P. COPING DETAIL

BILL OF MATERIAL

Item	Unit	Total
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	2,472

C.I.P. COPING BILL OF MATERIAL*****

Bar	No.	Size	Length	Shape
h10(E)	35	#4	29'-8"	
h11(E)	3	#4	17'-11"	
h12(E)	3	#4	15'-4"	
h13(E)	2	#4	15'-6"	
h14(E)	2	#4	15'-1"	
u1(E)	110	#4	2'-11"	
u2(E)	110	#4	1'-5"	
Concrete Structures			Cu. Yd.	13.7
Reinforcement Bars, Epoxy Coated			Pound	1,120
Concrete Sealer			Sq. Ft.	836

***** For information only. Cost of C.I.P. Coping and Coping Seal Concrete including: Concrete Structures, Reinforcing Bars, Epoxy Coated, and Concrete Sealer will be included for payment in the contract unit price for Mechanically Stabilized Earth Retaining Walls.

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PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

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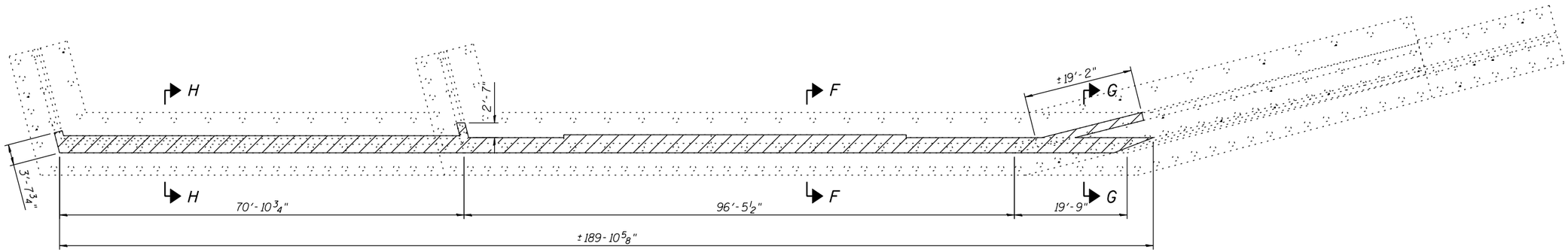
MSE WALL DETAILS (2 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 24 OF 35 SHEETS

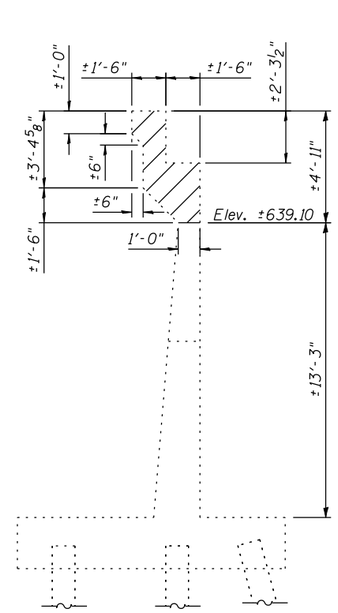
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	80
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



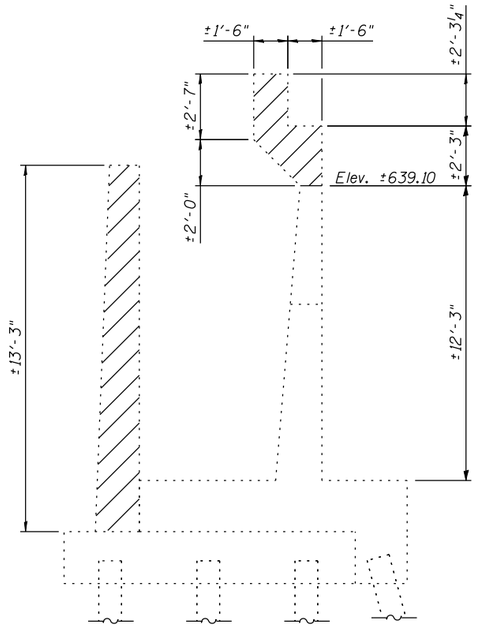
Legend

Concrete Removal

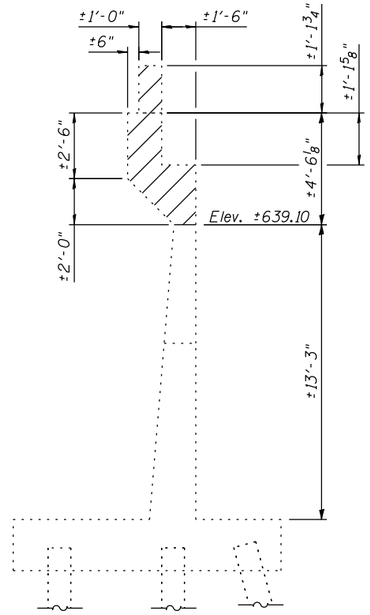
SOUTH ABUTMENT REMOVAL PLAN



SECTION F-F
(Looking West)



SECTION G-G
(Looking West)



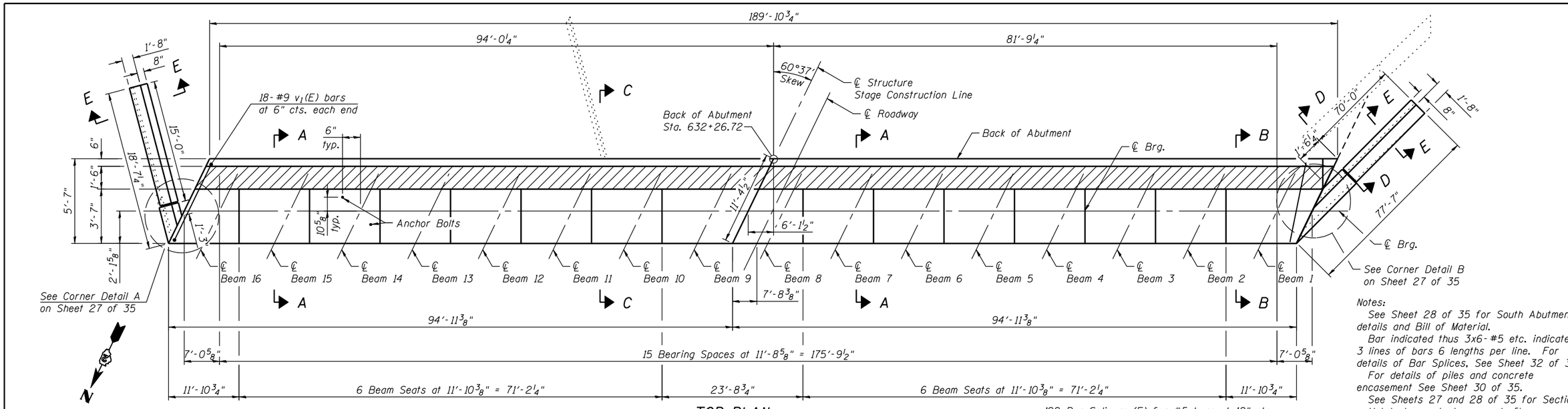
SECTION H-H
(Looking West)

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	82

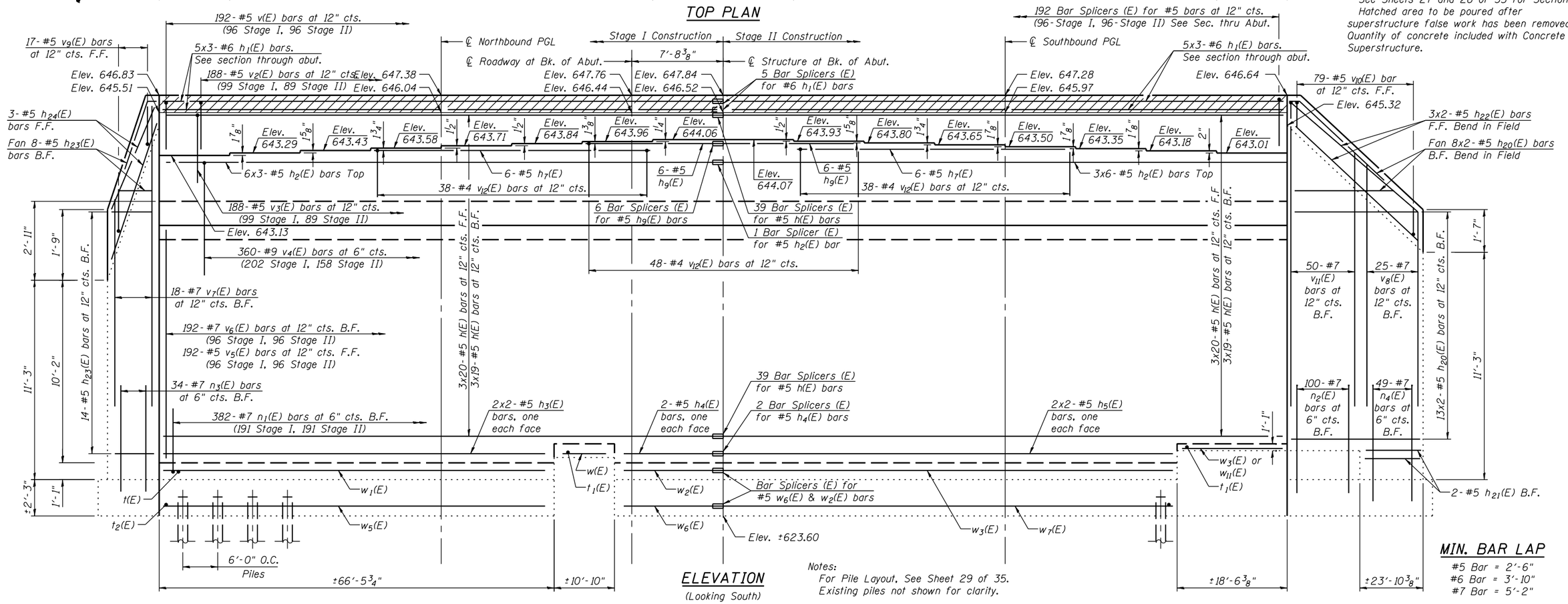
FILE NAME = s:\pl\6300-6399\6346\025\Micros\Sht\Structural Plans\P980015-64C17-024-SAREM.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED - KJL	REVISED	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**SOUTH ABUTMENT REMOVAL DETAILS STRUCTURE NO. 098-0015**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - AJS	REVISED			646	101 BR-3	WHITESIDE	113	81
	PLOT SCALE =	DRAWN - BJF	REVISED					CONTRACT NO. 64C17		
	PLOT DATE = 10/12/2012	CHECKED - KJL	REVISED		SHEET NO. 25 OF 35 SHEETS			ILLINOIS FED. AID PROJECT		



TOP PLAN

Notes:
See Sheet 28 of 35 for South Abutment details and Bill of Material.
Bar indicated thus 3x6-#5 etc. indicates 3 lines of bars 6 lengths per line. For details of Bar Splices, See Sheet 32 of 35.
For details of piles and concrete encasement See Sheet 30 of 35.
See Sheets 27 and 28 of 35 for Sections.
Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.



ELEVATION
(Looking South)

Notes:
For Pile Layout, See Sheet 29 of 35.
Existing piles not shown for clarity.

MIN. BAR LAP

#5 Bar = 2'-6"
#6 Bar = 3'-10"
#7 Bar = 5'-2"

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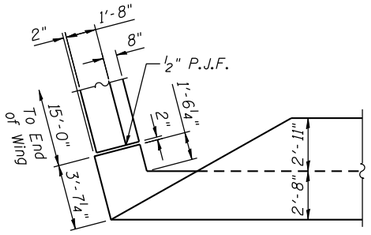
SA STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD, JOLIET, ILLINOIS 60431, (815) 744-4200, IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED - KJL	REVISED
		CHECKED - AJS	REVISED
	PLOT SCALE =	DRAWN - BJF	REVISED
	PLOT DATE = 10/12/2012	CHECKED - KJL	REVISED

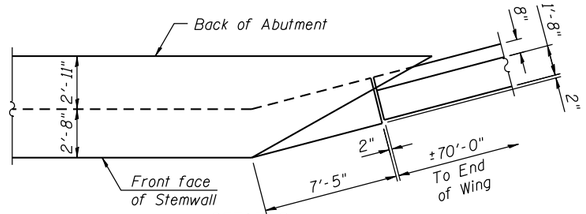
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT DETAILS (1 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 26 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	82
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



DETAIL A

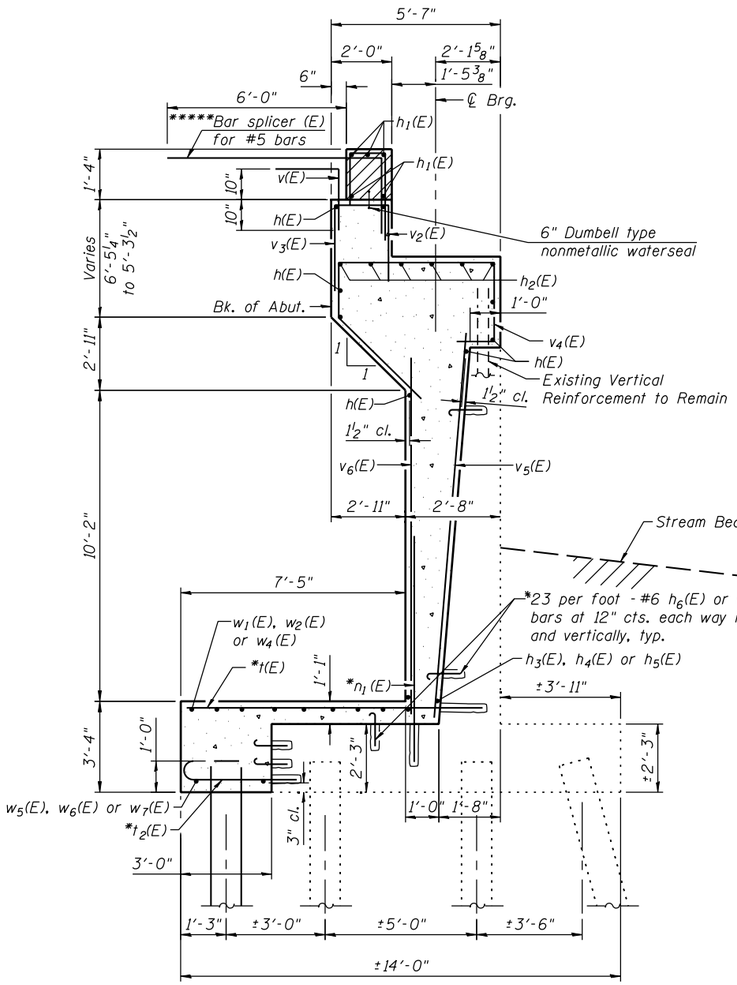


DETAIL B

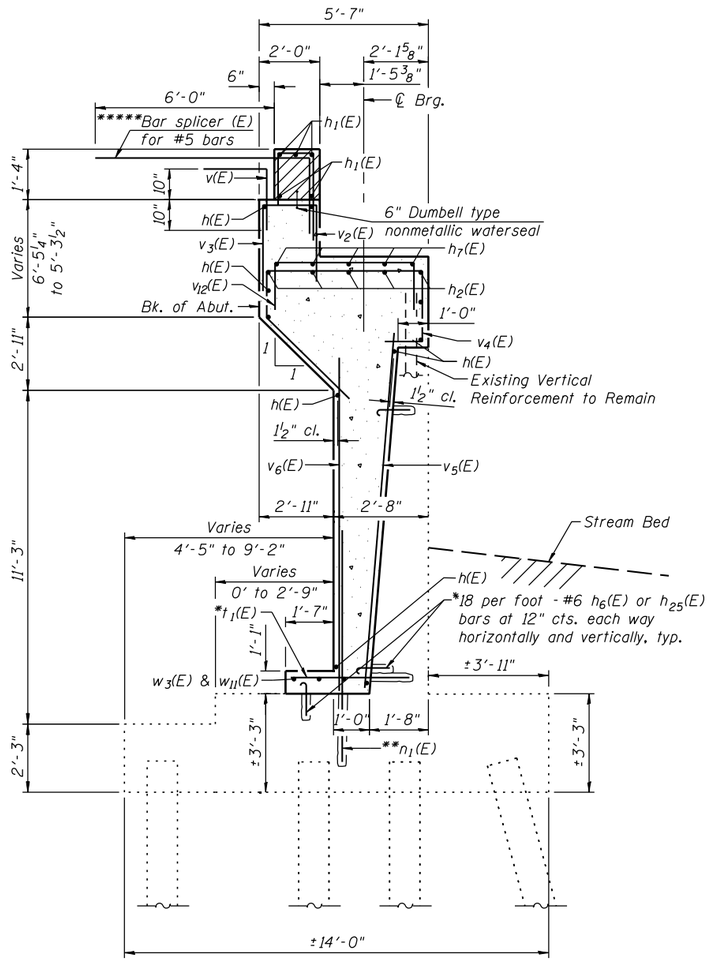
Note:
Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
On all sections, horizontal dimensions at right angles.

*****Align Bar Splicer parallel to approach slab reinforcement.

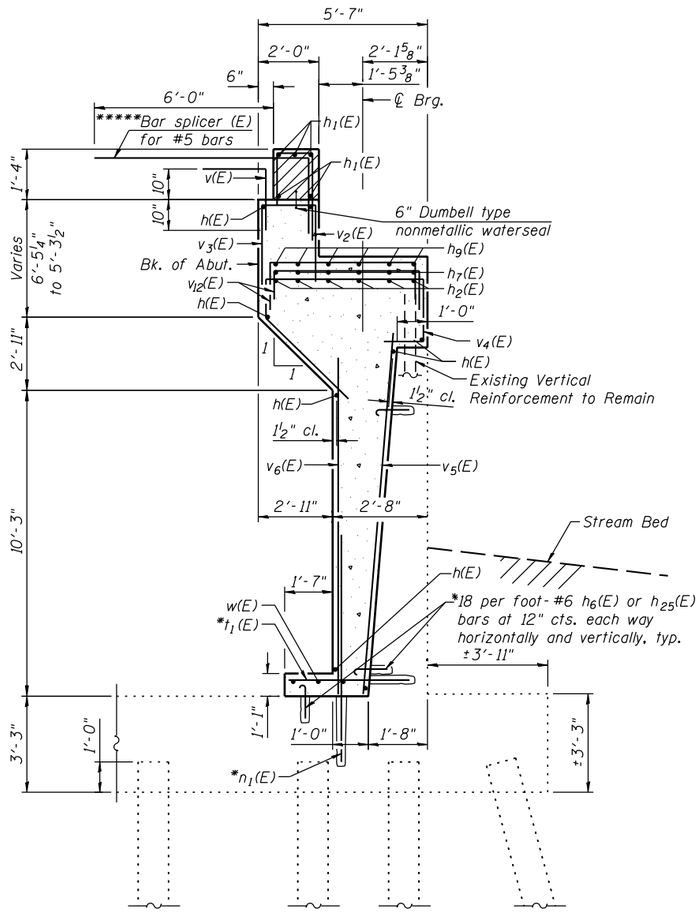
CORNER DETAILS



SECTION A-A



SECTION B-B



SECTION C-C

* Epoxy grout $h_6(E)$, $h_{25}(E)$, $t(E)$, $t_1(E)$, $t_2(E)$ and $n_1(E)$ bars in drilled holes of the depth specified by the manufacturer to achieve full tension capacity and according to Article 584 of the Standard Specifications. Bar lengths shown are based on 9 inch min. drilled holes. Actual bar lengths are required to be adjusted by the contractor before ordering of material.

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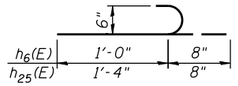
STRAND ASSOCIATES® IDFPR NO. 184-001273
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED - KJL	REVISED
	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - KJL	REVISED

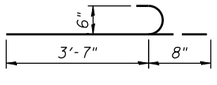
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT DETAILS (2 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 27 OF 35 SHEETS

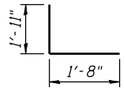
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	83
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



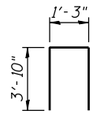
BAR $h_6(E)$ & $h_{25}(E)$



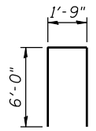
$t_2(E)$ BAR



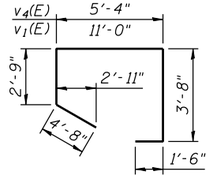
BAR v(E)



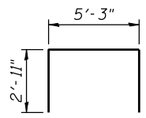
BAR $v_2(E)$



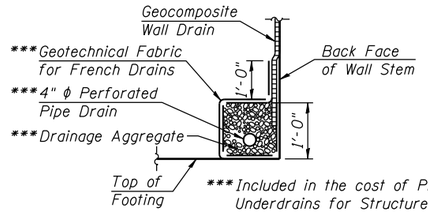
BAR $v_3(E)$



BAR $v_1(E)$ & $v_4(E)$



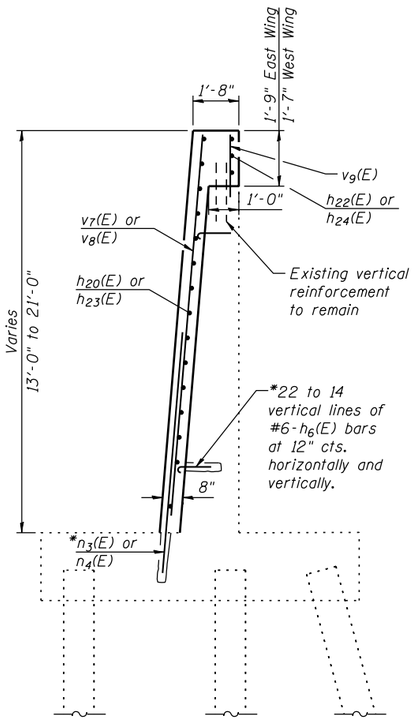
BAR $v_{12}(E)$



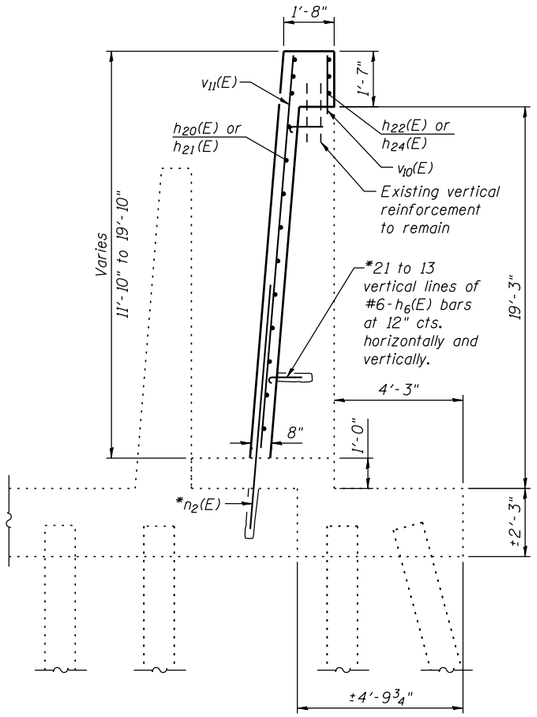
PIPE UNDERDRAIN DETAIL

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 6011101).

Note:
Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
On all sections, horizontal dimensions at right angles.

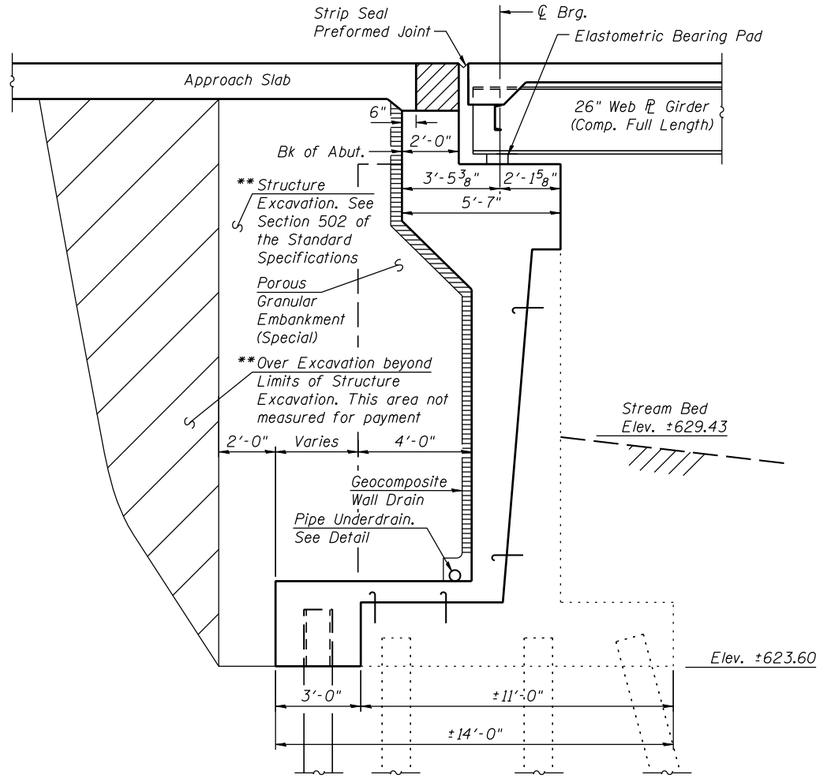


SECTION E-E



SECTION D-D

*Epoxy grout $h_6(E)$, $n_2(E)$, $n_3(E)$ and $n_4(E)$ bars in drilled holes of the depth specified by the manufacturer to achieve full tension capacity and according to Article 584 of the Standard Specifications. Bar lengths shown are based on 9 inch min. drilled holes. Actual bar lengths are required to be adjusted by the contractor before ordering of material.



SECTION THRU SOUTH ABUTMENT

**Backfil remainder of structure excavation and over excavation with same material specified for roadway embankment

SOUTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	234	#5	33'-3"	straight
$h_1(E)$	30	#6	34'-1"	straight
$h_2(E)$	36	#5	33'-3"	straight
$h_3(E)$	4	#5	34'-4"	straight
$h_4(E)$	2	#5	17'-3"	straight
$h_5(E)$	4	#5	39'-3"	straight
$h_6(E)$	1360	#6	1'-8"	U
$h_7(E)$	12	#5	37'-11"	straight
$h_9(E)$	12	#5	23'-5"	straight
$h_{20}(E)$	42	#5	36'-1"	straight
$h_{21}(E)$	2	#5	23'-6"	straight
$h_{22}(E)$	6	#5	36'-5"	straight
$h_{23}(E)$	22	#5	14'-8"	straight
$h_{24}(E)$	3	#5	16'-8"	straight
$h_{25}(E)$	4261	#6	2'-0"	U
$n_1(E)$	382	#7	7'-0"	straight
$n_2(E)$	100	#7	9'-2"	straight
$n_3(E)$	34	#7	13'-5"	straight
$n_4(E)$	49	#7	11'-7"	straight
t(E)	364	#6	9'-0"	straight
$t_1(E)$	40	#6	3'-2"	straight
$t_2(E)$	113	#6	4'-3"	U
v(E)	192	#5	3'-7"	L
$v_1(E)$	36	#9	23-7"	C
$v_2(E)$	188	#5	8'-11"	n
$v_3(E)$	188	#5	13'-9"	n
$v_4(E)$	360	#9	17'-11"	C
$v_5(E)$	192	#5	15'-7"	straight
$v_6(E)$	192	#7	14'-6"	straight
$v_7(E)$	18	#7	12'-8"	straight
$v_8(E)$	25	#7	12'-6"	straight
$v_9(E)$	17	#5	1'-5"	straight
$v_{10}(E)$	79	#5	1'-3"	straight
$v_{11}(E)$	50	#7	17'-8"	straight
$v_{12}(E)$	124	#4	11'-1"	n
w(E)	4	#5	10'-6"	straight
$w_1(E)$	20	#5	33'-11"	straight
$w_2(E)$	10	#5	36'-10"	straight
$w_3(E)$	4	#5	18'-2"	straight
$w_4(E)$	20	#5	36'-4"	straight
$w_5(E)$	4	#5	36'-1"	straight
$w_6(E)$	2	#5	36'-10"	straight
$w_7(E)$	6	#5	25'-3"	straight
$w_{11}(E)$	6	#5	11'-7"	straight
Reinforcement Bars, Epoxy Coated	Pound		90,900	
Concrete Structures	Cu. Yd.		489	
Furnishing Steel Piles HP12x53	Foot		1,161	
Driving Piles	Foot		1,161	
Test Pile HP12x53	Each		1	
Structure Excavation	Cu. Yd.		340	
Concrete Sealer	Sq. Ft.		1,811	
Geocomposite Wall Drain	Sq. Yd.		409	

For Bar Splicer Details See Sheet 32 of 35.
For Details of Piles and Concrete Encasement See Sheet 30 of 35.

FILE NAME = s:\pl\6300-6399\6346\025\Micros\Sht\Structural Plans\0980015-64C17-027-SHBUT3.dgn

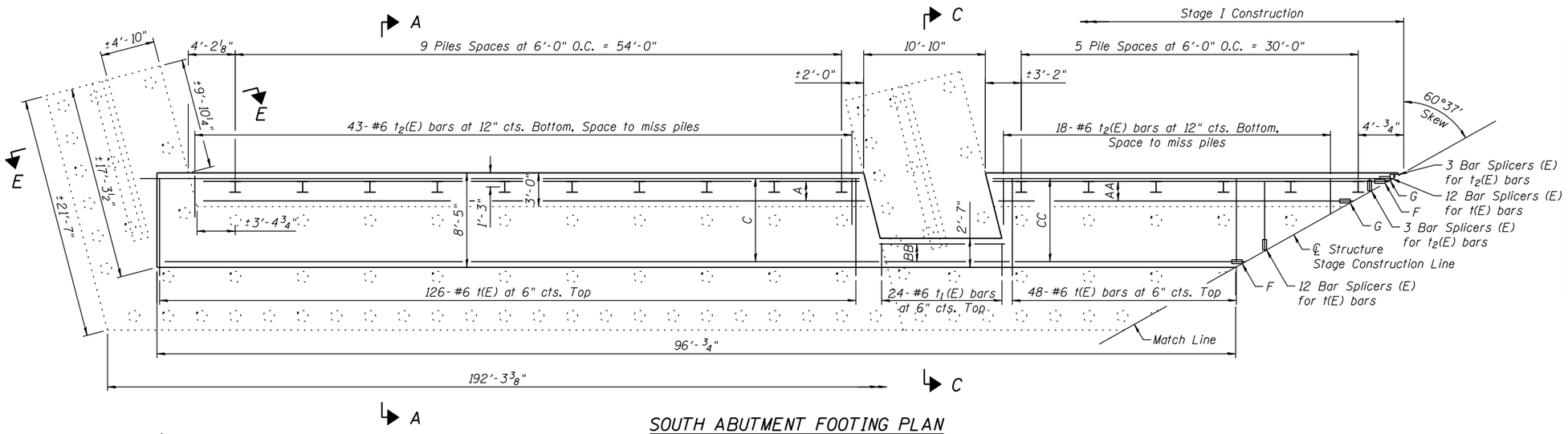
STRAND ASSOCIATES® IDFPR NO. 184-001273
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = brianf	DESIGNED - KJL	REVISED	
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - KJL	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT DETAILS (3 OF 3)
STRUCTURE NO. 098-0015
SHEET NO. 28 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	84
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



SOUTH ABUTMENT FOOTING PLAN

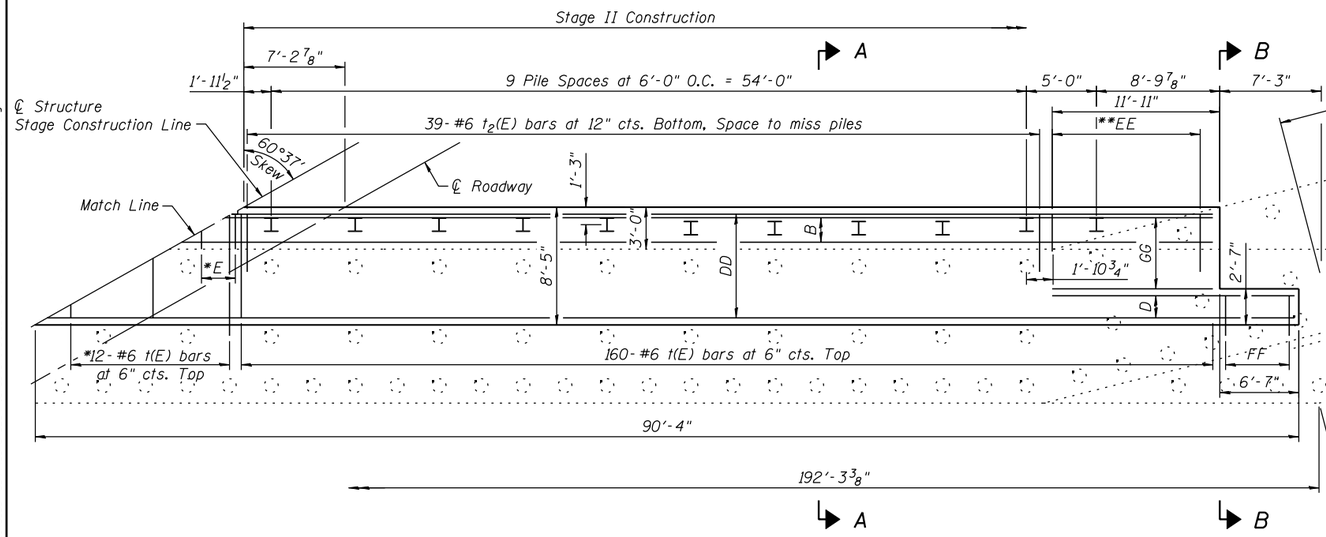
Notes:
See Sheet 28 of 35 for South Abutment details and Bill of Material.
Bar indicated thus 3x6-#5 etc. indicates 3 lines of bars 6 lengths per line. For details of Bar Splices, See Sheet 32 of 35.
For details of piles and concrete encasement See Sheet 30 of 35.

Designation	Note
A	2x2-#5 w_5(E) bars at 12" cts. Bottom
AA	2-#5 w_6(E) bars at 12" cts. Bottom
B	3x2 w_7(E) bars at 12" cts. Bottom
BB	4-#5 w(E) at 12" cts. Top
C	10x2-#5 w_1(E) bars at 12" cts. Top
CC	10-#5 w_2(E) Bars at 12" cts. Top. Cut in field to fit skew
D	4-#5 w_3(E) bars at 12" cts. Top
DD	10x2-#5 w_4(E) bars at 12" cts. Top
E	3-#6 t_2(E) bars at 12" cts. Bottom
EE	10-#6 t_2(E) bars at 12" cts. Bottom. Space to miss piles.
F	10 Bar Splicers (E) for w_2(E) bars
FF	16-#6 t_1(E) bars at 6" cts. Top
G	2 Bar Splicers (E) for w_6(E) bars
GG	6-#5 w_{11}(E) bars at 12" cts. Top

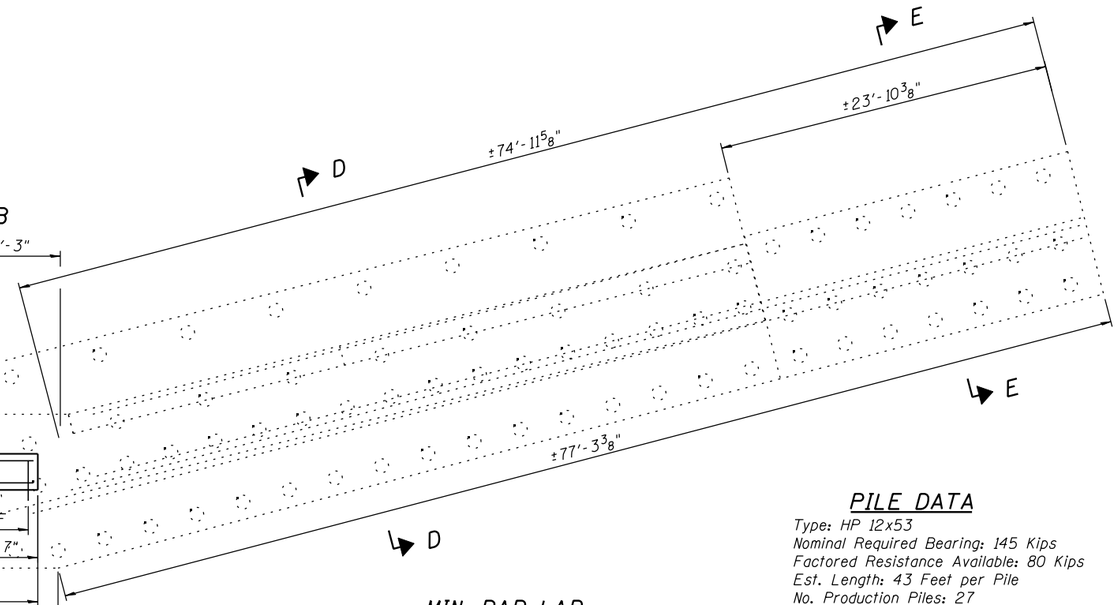
N

* Order t(E) and t_2(E) bars full length cut to fit skew and use remainder of bars in opposite end.

** Field cut as required



SOUTH ABUTMENT FOOTING PLAN



MIN. BAR LAP

#5 bars = 3'-3"

PILE DATA

Type: HP 12x53
Nominal Required Bearing: 145 Kips
Factored Resistance Available: 80 Kips
Est. Length: 43 Feet per Pile
No. Production Piles: 27
No. Test Piles: 1

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED - KJL	REVISED
		CHECKED - AJS	REVISED
	PLOT SCALE =	DRAWN - BJF	REVISED
	PLOT DATE = 10/12/2012	CHECKED - KJL	REVISED

STATE OF ILLINOIS
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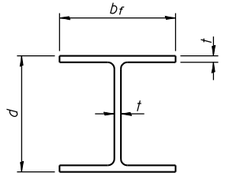
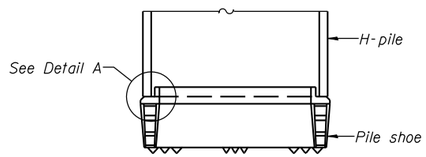
SOUTH ABUTMENT FOOTING PLAN
STRUCTURE NO. 098-0015
SHEET NO. 29 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	85
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

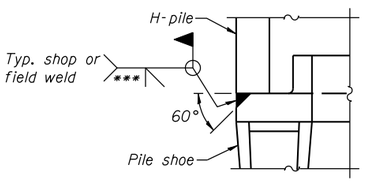


STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

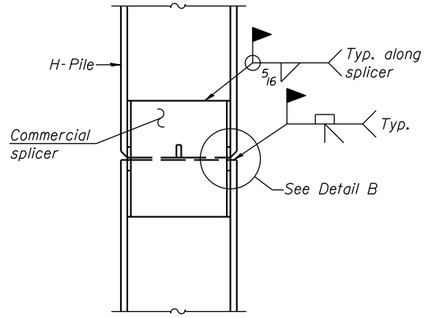


ELEVATION

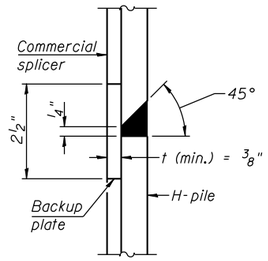


DETAIL A

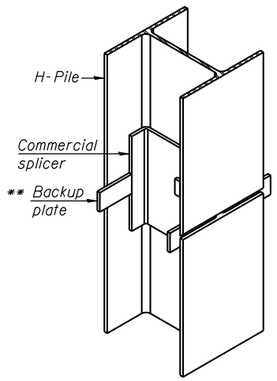
H-PILE SHOE ATTACHMENT



ELEVATION

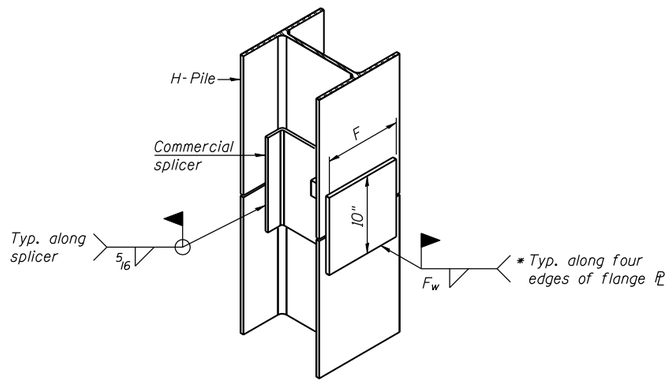


DETAIL "B"

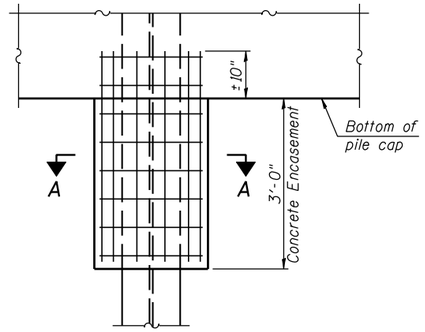


ISOMETRIC VIEW

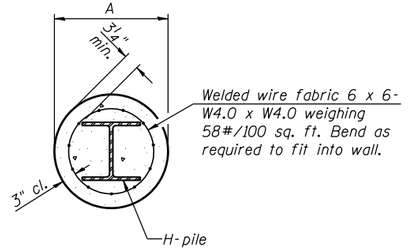
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW



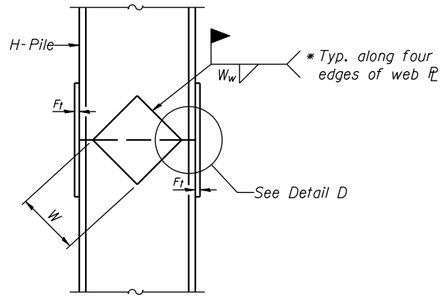
ELEVATION



Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION A-A

PILE ENCASEMENT



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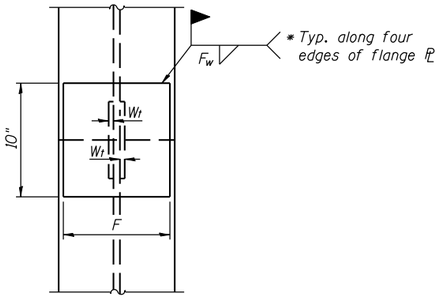
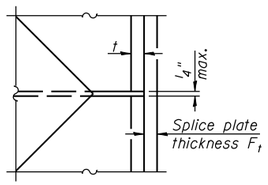


END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_t	W_w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds 1/4" 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" min.).

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

F-HP 1-27-12

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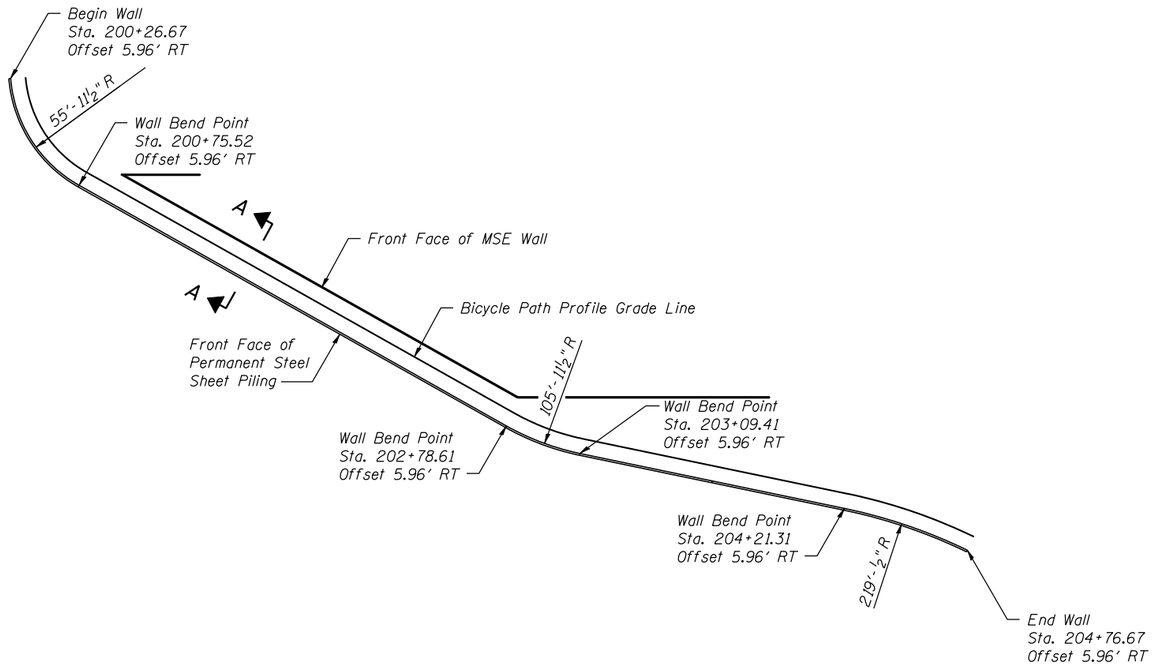
	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

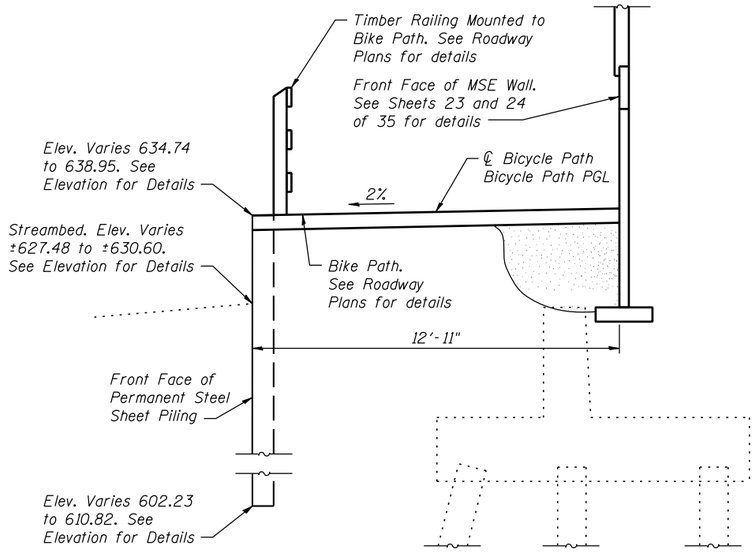
HP PILE DETAILS
STRUCTURE NO. 098-0015
SHEET NO. 30 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	86
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

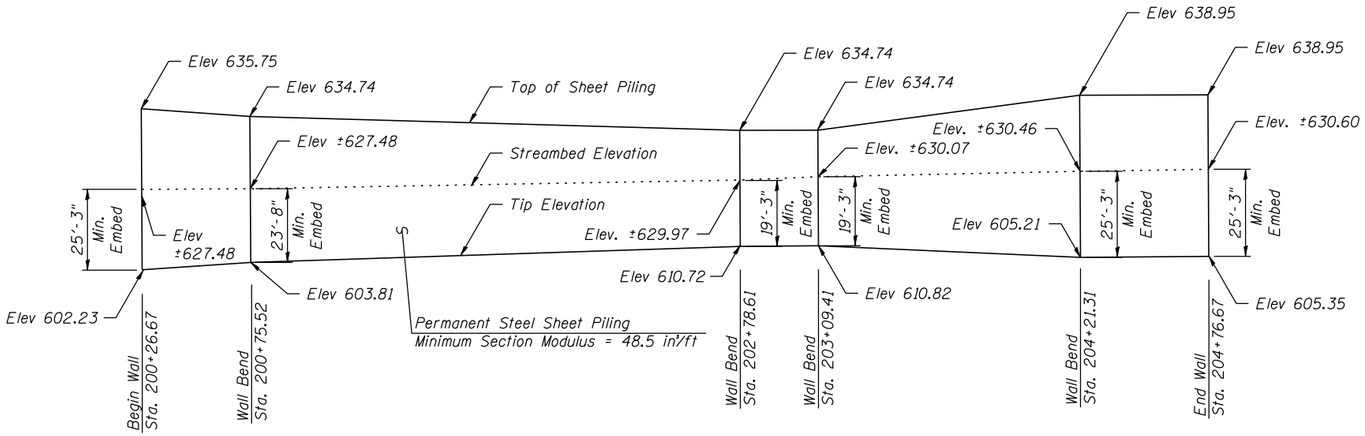
FILE NAME = s:\pw\6300-6399\6346\025\Micros\Sht\Structural Plans\0980015-64C17-028-HPILE.dgn



PLAN



SECTION A-A
(Looking East)
(Horizontal Dimensions @ Rt. ∠'s)



ELEVATION

BILL OF MATERIAL

Item	Unit	Total
Permanent Steel Sheet Piling	Sq Ft.	12,893

FILE NAME = s:\pol\6300-6399\6346\025\Micros\Shts\Structural Plans\09000815-64C17-029-SPILE.dgn

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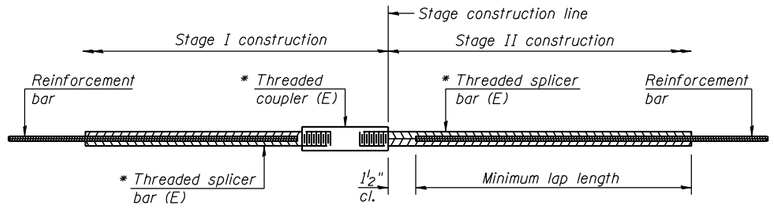
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT SHEET PILE WALL
STRUCTURE NO. 098-0015
SHEET NO. 31 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	87
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			



STANDARD BAR SPLICER ASSEMBLY

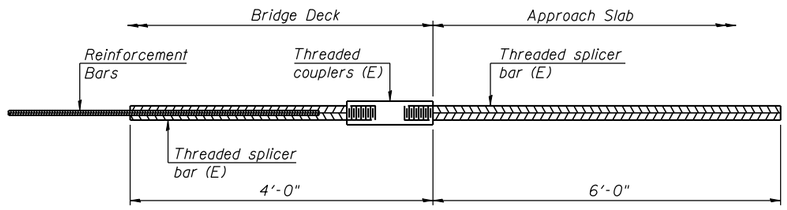
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"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

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, Class C
Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1½" + thread length

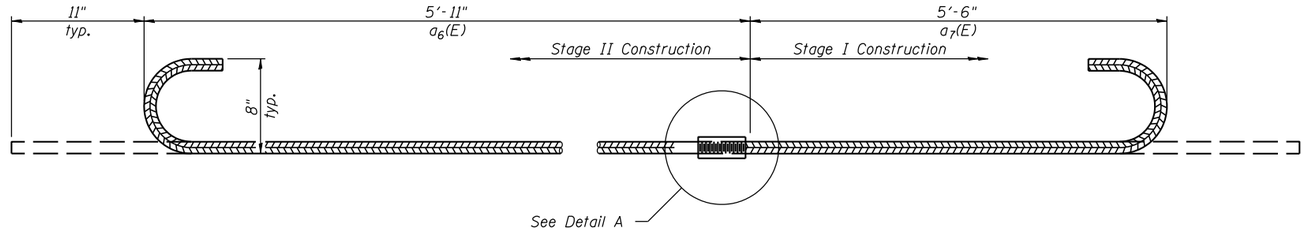
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	223	Table 3
North Abutment	#5	3	Table 5
North Abutment	#6	6	Table 5
North Abutment	#7	22	Table 5
South Abutment	#5	53	Table 5
South Abutment	#6	26	Table 5
North Approach Slab	#4	71	Table 3
North Approach Slab	#5	40	Table 3
South Approach Slab	#4	71	Table 3
South Approach Slab	#5	40	Table 3



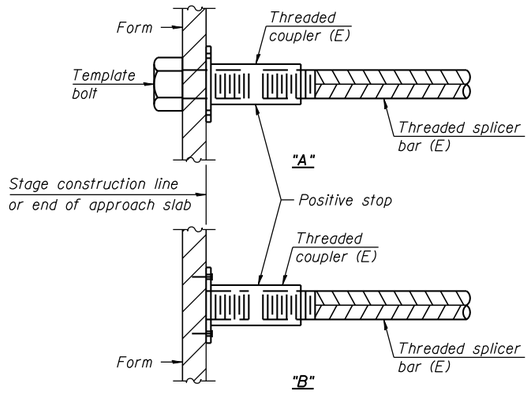
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



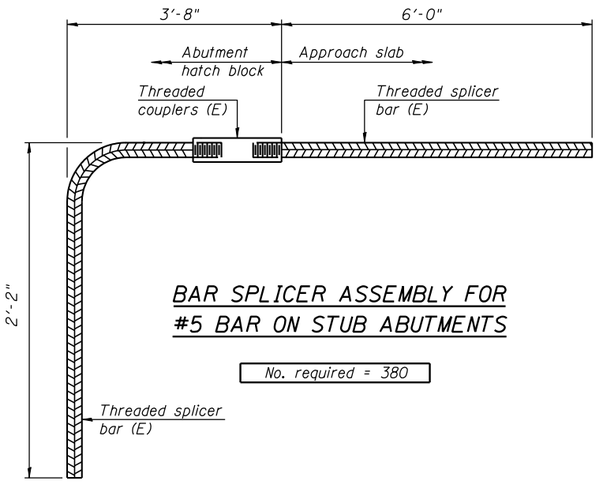
#8-a6(E) & a7(E) BAR SPLICER ASSEMBLY FOR EDGE BEAMS AT STAGE CONSTRUCTION JOINT

No. required = 6



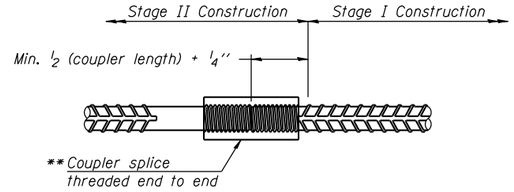
INSTALLATION AND SETTING METHODS

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



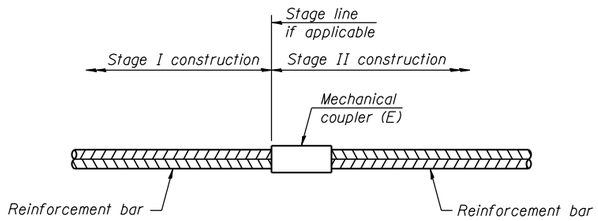
BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = 380



DETAIL A

** The bar splicer assembly shall allow completion of the splice without turning of the hook bars. The stage II splice bar shall be threaded such that the entire coupler can be threaded onto the splice bar.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies 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 approved list of bar splicer assemblies and mechanical splicers for alternatives.

FILE NAME = s:\jol\6388-6399\6396\025\Micros\Sht\Structural Plans\98000015-64C17-038-SPLICE.dgn

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	CHECKED - AJS	REVISED
PLOT SCALE =	DRAWN - BJF	REVISED
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER AND ASSEMBLY DETAILS
STRUCTURE NO. 098-0015
SHEET NO. 32 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	88
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

Boring Information taken from Design Drawings:
Elevation 645.20 feet, Station 633+02.28, Offset 10.1 LT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 1/4/07

ROUTE FAP 646 DESCRIPTION P92-045-06 Bridge over I & M Feeder Canal, IL 40 LOGGED BY Wally Garza

SECTION 101 BR-3 LOCATION Coloma Twp. - 33 SE, SEC. , TWP. 21N, RNG. 7E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 098-0015
Station

BORING NO. B-1
Station 78+02
Offset 10.00ft Lt Med. CL
Ground Surface Elev. 99.20 ft

Surface Water Elev. ft
Stream Bed Elev. 82.00 ft

Groundwater Elev.:
First Encounter 81.7 ft ▼
Upon Completion Wash ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark gray LOAM			0.5	15.0
	96.70	6		
MEDIUM/STIFF black LOAM		6	1.0	11.0
	95.20	8	S	
	-5			
STIFF dark brown SANDY LOAM		8		
		8	1.1	11.0
	92.70	9	S	
STIFF dark brown SANDY LOAM		3		
		4	1.5	15.0
	90.20	6	S	
	-10			
STIFF dark gray LOAM		3		
		7	1.9	15.0
	87.70	9	P	
STIFF dark gray SANDY LOAM		2		
		5	1.2	18.0
	85.20	7	S	
	-15			
MEDIUM gray SILTY LOAM with 12% ORGANICS		1		
		2	0.9	53.0
		3	B	
	82.20			
MEDIUM gray fine SAND	▼	3		
		8		
	80.20	6		
	-20			
LOOSE gray fine SAND		0		
		2		
	77.70	4		
LOOSE gray fine SAND		0		
		2		
	75.20	3		
	-25			
LOOSE gray dirty SAND & GRAVEL		2		
		2		
	72.70	4		
MEDIUM gray SAND & GRAVEL		13		
		11		
	70.20	7		
	-30			
Wash MEDIUM gray SAND & GRAVEL		5		
		7		
	67.70	8		
Wash MEDIUM gray clean medium coarse SAND		3		
		6		
	65.20	7		
	-35			
MEDIUM gray clean medium coarse SAND with medium GRAVEL		3		
		5		
	62.70	6		
LOOSE/MEDIUM gray clean medium coarse SAND with medium GRAVEL		3		
		4		
	60.20	6		
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 1/4/07

ROUTE FAP 646 DESCRIPTION P92-045-06 Bridge over I & M Feeder Canal, IL 40 LOGGED BY Wally Garza

SECTION 101 BR-3 LOCATION Coloma Twp. - 33 SE, SEC. , TWP. 21N, RNG. 7E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 098-0015
Station

BORING NO. B-1
Station 78+02
Offset 10.00ft Lt Med. CL
Ground Surface Elev. 99.20 ft

Surface Water Elev. ft
Stream Bed Elev. 82.00 ft

Groundwater Elev.:
First Encounter 81.7 ft ▼
Upon Completion Wash ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM gray clean medium coarse SAND		3		
		6		
	57.70	10		
Wash		5		
MEDIUM gray clean medium coarse SAND		8		
	55.20	14		
	-45			
Wash MEDIUM gray fine SAND		5		
		12		
	52.70	14		
Wash MEDIUM gray fine SAND		1		
		5		
	50.20	8		
	-50			
Wash MEDIUM gray medium clean SAND		4		
		9		
	47.70	14		
Wash MEDIUM gray medium clean SAND		3		
		4		
	45.20	7		
	-55			
Wash MEDIUM gray medium clean SAND		2		
		3		
	42.70	7		
Wash DENSE gray fine SAND		7		
		12		
	40.20	32		
	-60			
Wash		16		
MEDIUM gray fine SAND		10		
	37.70	10		
Wash		3		
MEDIUM gray SAND & GRAVEL		7		
	35.20	7		
	-65			
MEDIUM tan fine SAND		7		
		6		
	32.70	12		
MEDIUM tan fine SAND		11		
		12		
	30.20	16		
	-70			
VERY DENSE tan fine SAND with LIMESTONE fragments		40		
		35		
	27.20	35		
DENSE tan weathered LIMESTONE		20		
		17		
	25.20	21		
	-75			
VERY DENSE tan weathered LIMESTONE		18		
		100/9"		
	22.70			
End of Boring				
	-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

FILE NAME = s:\pl\6300-6399\6346\025\Micros\Sht\Structural Plans\P980015-64C17-031-SBL.dgn

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	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (1 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 33 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	89
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

Boring Information taken from Design Drawings:
Elevation 646.0 feet, Station 631+82.00, Offset 4.0 RT

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 1/4/07

ROUTE FAP 646 DESCRIPTION P92-045-06 Bridge over I & M Feeder Canal, IL 40 LOGGED BY Wally Garza

SECTION 101 BR-3 LOCATION Coloma Twp. - 33 SE, SEC. , TWP. 21N, RNG. 7E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 098-0015
Station

BORING NO. B-2
Station 79+50
Offset 0.00ft Ctr. of Median
Ground Surface Elev. 100.00 ft

Surface Water Elev. ft
Stream Bed Elev. 82.00 ft

Groundwater Elev.:
First Encounter 82.5 ft ▼
Upon Completion 94.0 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Auger boring completed due to presence of high-power lines.				
BROWN sandy ROAD ROCK				
	97.00			
VERY STIFF dark brown SANDY CLAY LOAM			2.3 P	22.0
	95.00 -5			
VERY STIFF dark brown SANDY LOAM ▽			2.0 P	13.0
	92.50			
STIFF dark brown SANDY LOAM			1.3 P	19.0
	90.00 -10			
MEDIUM dark brown SANDY LOAM			0.5 P	14.0
	87.50			
MEDIUM dark brown SANDY LOAM			0.5 P	20.0
	-15			
LOOSE dark gray dirty medium SAND	84.50			
LOOSE gray fluid medium SAND ▼	82.50			
	80.00 -20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan clean medium SAND				
	75.00 -25			
MEDIUM tan gray clean medium SAND with GRAVEL				
	70.00 -30			
MEDIUM tan-gray, clean, medium SAND with GRAVEL				
Smooth, easy drilling down to 58'.				
	-35			
	-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 1/4/07

ROUTE FAP 646 DESCRIPTION P92-045-06 Bridge over I & M Feeder Canal, IL 40 LOGGED BY Wally Garza

SECTION 101 BR-3 LOCATION Coloma Twp. - 33 SE, SEC. , TWP. 21N, RNG. 7E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 098-0015
Station

BORING NO. B-2
Station 79+50
Offset 0.00ft Ctr. of Median
Ground Surface Elev. 100.00 ft

Surface Water Elev. ft
Stream Bed Elev. 82.00 ft

Groundwater Elev.:
First Encounter 82.5 ft ▼
Upon Completion 94.0 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM tan-gray, clean, medium SAND with GRAVEL				
Smooth, easy drilling down to 58'. *(continued)*				
	-45			
	-50			
	47.00			
Rough Med Drilling to 60'				
	-55			
	40.00 -60			
End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

FILE NAME = s:\pl\6300-6399\6346\025\Micros\Sht\Structural Plans\098015-64C17-031-SBL.dgn

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	CHECKED - AJS	REVISED	
PLOT SCALE =	DRAWN - BJF	REVISED	
PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG (2 OF 2)
STRUCTURE NO. 098-0015
SHEET NO. 34 OF 35 SHEETS

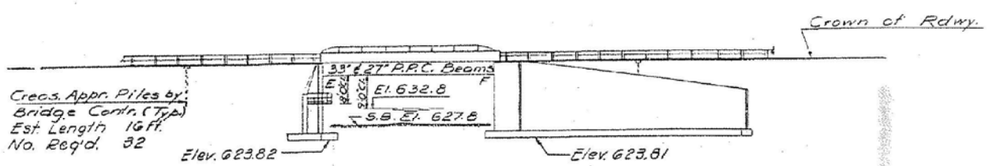
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	90
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

Existing Structure: Built as S.B.I. Rte. 88 Sec. 101 B-1 at Sta. 78+50 in 1964. Existing spread P.P.C. Bms. with 7" concrete slab superstructure and R.C. abuts. will be widened in kind. Traffic shall be maintained over the existing structure during construction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

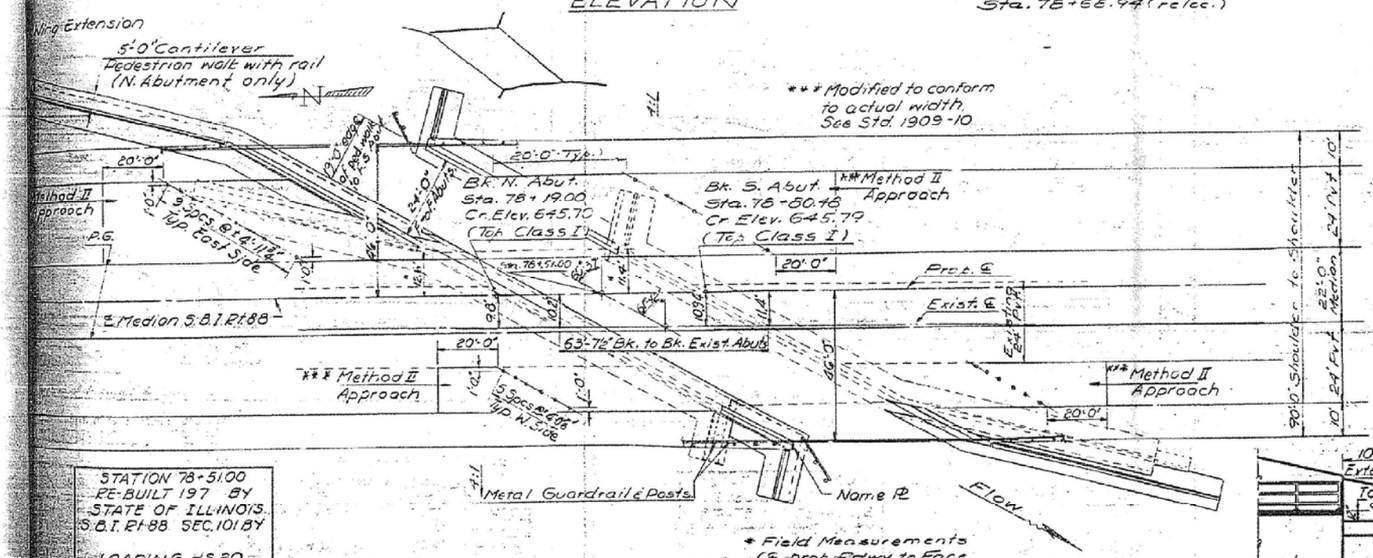
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. Rt. 403	101 BY	WHITESIDE	589	270
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
11 SHEETS



ELEVATION

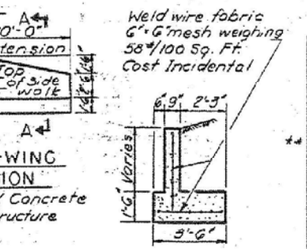
STA EQN:
Sta. 78+50 (exist) = Sta. 78+66.94 (reloc.)



STATION 78+51.00
RE-BUILT 197 BY
STATE OF ILLINOIS
S.B.I. RT. 88 SEC. 101 BY
LOADING HS 20

NAME PLATE
See Std. 2113

PLAN



SEC. A-A

ELEVATION-WING EXTENSION
2.9 Cu. Yds. Class X Concrete included in Substructure Quantities.

PRECAST PRESTRESSED UNITS

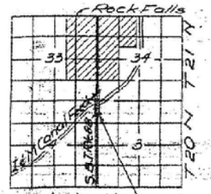
f'c = 5,000 psi
f'ci = 4,000 psi
fs = 248,000 psi (7/16" Strands)
fsi = 173,600 psi (7/16" Strands)

FIELD UNITS

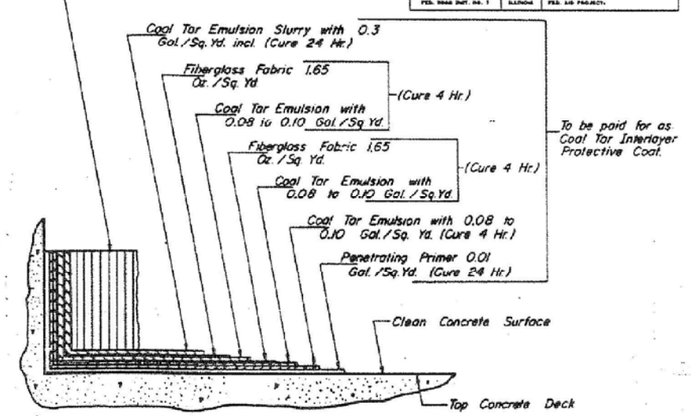
f'c = 1200 psi (super)
f'c = 1000 psi (sub)
fs = 20000 psi (Reinf.)
n = 10

New Constr. Loading HS 20-44

PROFILE S.B.I. RTE 88
Top of Class I @ edge of pavement



LOCATION SKETCH



DETAIL OF DECK SURFACING

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

An alternate strand pattern using Extra High Strength Prestressing strand (270 k.s.i.) is permitted.

Expansion bolts shall consist of self drilling expansion anchors and ¾"ø hooked bolts. Hooked bolts shall extend a minimum of 12" into new concrete unless otherwise shown.

The concrete rail section above the mandatory construction joint at the top of the slab, top of P.P.C. Bms. shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

The Basic Lead Silico Chromate paint system shall be used for shop painting of structural steel.

Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.

Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

BILL OF MATERIALS

Item	Unit	Super	Sub	Total
Timber Buffers Complete	L Sum.			L Sum.
Structure Excavation	Cu. Yds.			760
Bituminous Concrete Surf. Cse. Class I	Tons	45		45
Concrete Removal	Cu. Yds.	11	34.4	45.4
Expansion Bolts (¾"ø)	Each	111	511	622
Class X Concrete	Cu. Yds.	64.2	657.6	721.8
P.P.C. Deck Bms. (27")	Sq. Ft.	1483		1483
P.P.C. Deck Bms. (33")	Sq. Ft.	494		494
Aluminum Railing	Lin. Ft.	112		112
Reinforcement Bars	Lbs.	8540	71470	80010
Coal Tar Interlayer Protect Coat	Sq. Yds.	448		448
Name Plates	Each		1	1
Preformed Joint Sealer	Lin. Ft.	184		184
Structural Steel	Lbs.	3580		3580
Untreated Piles (Up to 30')	Lin. Ft.		5628	5628
Test Piles (Timber)	Each		4	4
Protective Coat	Sq. Yds.	42		42
Creosoted Piles (Up to 20')	Lin. Ft.			512

** Includes 2.9 Cu. Yds. Wing Extension.

RUNWAY INFORMATION
Not controlled and W.W. opening has been determined by navigation & recreational requirements.

DESIGNED Hui-Yuan Lee
CHECKED A. Gutowski
DRAWN F. Mercado
CHECKED H.Y. Lee

EXAMINED Feb 17 1971
PASSED
APPROVED

GENERAL PLAN & ELEVATION
S.B.I. RT. 88 OVER I.M. CANAL
S.B.I. RT. 88 (F.A. 40) SEC. 101 BY
WHITESIDE COUNTY
STA. 78+51.00

For Information only

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD, JOLIET, ILLINOIS 60431, (815) 744-4200, IDFPR NO. 184-001273	USER NAME = brianf	DESIGNED - RRD	REVISED
		CHECKED - AJS	REVISED
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	PLOT DATE = 10/12/2012	CHECKED - RRD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET NO. 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	91
		CONTRACT NO. 64C17		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SCALES:
- PLAN 1 INCH 50 FT.
- PROFILE, HOR. 1 INCH 50 FT.
- PROFILE, VERT. 1 INCH 5 FT.
- CROSS-SECTIONS 1 INCH 5 FT.

SBI ROUTE 88 SECTION 101B-1
(FA ROUTE 40) PROJECT F-126(5)
WHITESIDE COUNTY

117-A

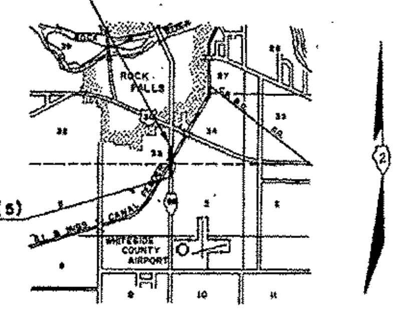
FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 88 FA 40	101B-1	WHITESIDE	31	1
		PROJECT	F-126(5)	

P-92-013-63

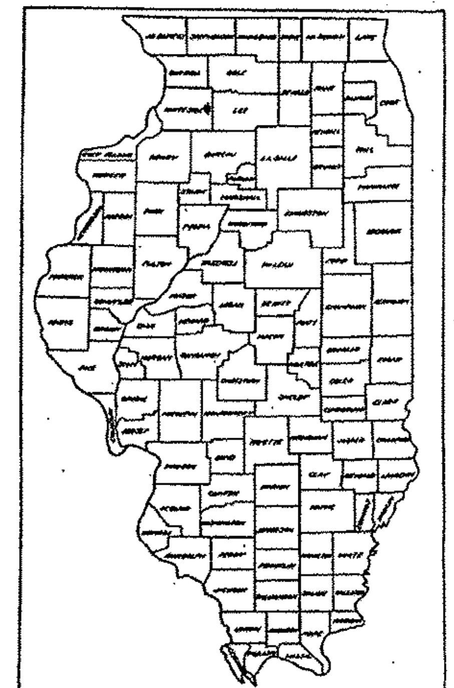
INDEX OF SHEETS

SUMMARY OF QUANTITIES

010001	TREE REMOVAL (6 TO 15 INCH DIAMETER)	IN. DIA.	195
010002	TREE REMOVAL (OVER 15 INCH DIAMETER)	IN. DIA.	703
010005	TREE REMOVAL, ACRES	ACRE	1.0
011001	EARTH EXCAVATION	CU. YDS.	29,646
013001	BORROW EXCAVATION	CU. YDS.	16,814
024001	SUB-BASE --- GRANULAR MATERIAL, TYPE A	TON	2897
029005	GRAVEL OR CRUSHED STONE BASE COURSE TYPE B	TON	3536
046001	BITUMINOUS MATERIALS, (PRIME COAT)	GALLON	2500
046007	BITUMINOUS CONCRETE SURFACE COURSE SUB-CLASS I-11	TON	724
048008	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ. YDS.	5648.7
048011	PORTLAND CEMENT CONCRETE PAVEMENT 16½-10½-16½	SQ. YDS.	382.
048019	PAVEMENT FABRIC	SQ. YDS.	6046.
045002	REMOVAL OF EXISTING STRUCTURES	L. SUM	1
050002	CLASS B EXCAVATION FOR STRUCTURES	CU. YDS.	950
052001	HANDRAIL CONCRETE	CU. YDS.	3.1
052003	CLASS X CONRETE	CU. YDS.	765.3
052016	CLASS X CONREIE (HEADWALL)	CU. YDS.	43.2
052021	PROTECTIVE COAT.	SQ. YDS.	5912.
054001	FURNISHING AND ERECTING STRUCTRUAL STEEL	POUND	2500
056036	PIPE CULVERTS, TYPE 2A, 48"	LIN. FT.	158
056059	PIPE CULVERTS, TYPE 3A, 48"	LIN. FT.	196
056231	PIPE CULVERT, TYPE 2 48"	LIN. FT.	206
058199	PIPE CULVERT, TYPE 1 15"	LIN. FT.	194
058555	REMOVE AND RELAY PIPE CULVERTS 15"	LIN. FT.	28
058758	REMOVE AND RELAY PIPE CULVERTS 48"	LIN. FT.	30
059001	REINFORCEMENT BARS	POUND	108,150
060001	FURNISHING UNTREATED PILES UP TO 30 FEET	LIN. FT.	3904
060004	FURNISHING CREOSOTED PILES UP TO 20 FEET	LIN. FT.	406
060007	TEST PILE TIMBER	EACH	2
061001	NAME PLATES	EACH	1
062001	PAVEMENT REMOVAL	SQ. YDS.	3765
099002	WOOD GUARD RAIL REMOVAL	LIN. FT.	812
100001	PIPE HANDRAIL	LIN. FT.	360
101007	STOCK-PILING SALVAGE AGGREGATE	CU. YDS.	7181
101006	SALVAGED AGGREGATE	CU. YDS.	273
103001	TEMPORARY BRIDGE COMPLETE	EACH	1
104001	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	6
104002	RE-ERECTING RIGHT OF WAY MARKERS	EACH	8
110001	TEMPORARY SEEDING	ACRE	4.6
110004	COMPLETE SEEDING	ACRE	4.6
110006	FERTILIZER NUTRIENTS	TON	0.7
111002	STRAW FOR ASPHALT-COATED MULCH	TON	23
111003	EMULSIFIED ASPHALT	GALLON	1955
201028	WOVEN WIRE FENCE	LIN. FT.	870
051036	PRECAST PRESTRESSED CONCRETE BRIDGE BEAMS	LIN. FT.	454
201320	CONSTRUCTION IDENTIFICATION SIGNS	EACH	2
057010	TIMBER BUFFERS COMPLETE	L. SUM	1
201204	PREFORMED JOINT SEALER	LIN. FT.	93
060006	DRIVING TIMBER PILES	LIN. FT.	4310



PROJECT TOTAL LENGTH = 2304 FT. = 0.436 MI.



LOCATION OF SECTION INDICATED THUS:—

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
SUBMITTED Feb 5 64
CHECKED March 10 64
PASSED March 10 64
APPROVED March 10 64
APPROVED March 10 64

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
DIVISION ENGINEER DATE

ROAD CLASSIFICATION
3300-T-70

CONTRACT NO. 29542

ADDED 36 L.F. ITEM 058199

Added Sheet 2-20-13

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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015

SHEET 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 88-3	WHITESIDE	113	91A
		CONTRACT NO. 64C17		

ILLINOIS FED. AID PROJECT

D-M5

CONTRACT NO. 64C67

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	***	37	1

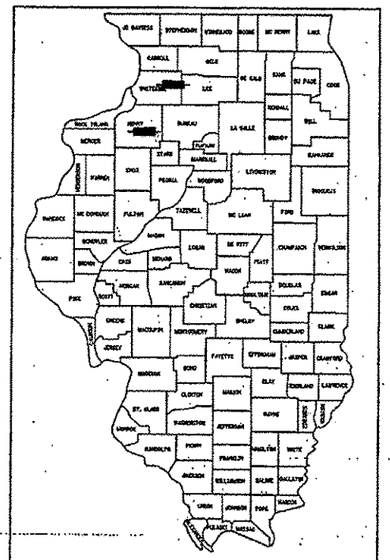
*FAP 646 & FAP 638
**101BY-D & 137-1B-D
***WHITESIDE & HENRY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP ROUTE 646 (IL 40) & FAP 638 (IL 82)
SECTION 101BY-D & 137-1B-D
WHITESIDE & HENRY COUNTY
C-92-151-06

D-92-116-06



PROJECT ENGINEER
MAHMOUD ETEMADI
PHONE: (815) 284-5393

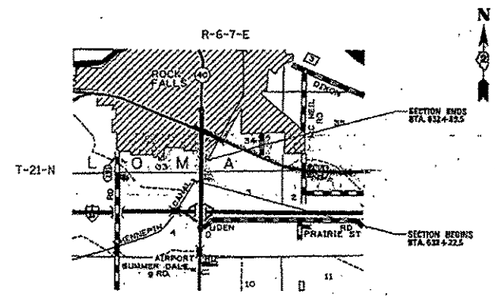
SQUAD LEADER
AHMAD EL-AHMAD
PHONE: (815) 284-5994

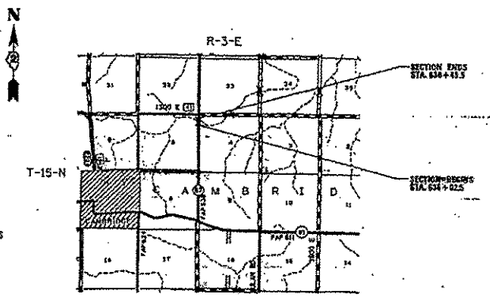
FOR INFORMATION ONLY

INDEX OF SHEETS

STATE STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701423-01	LANE CLOSURE, MULTILANE, WITH BARRIERS, FOR > 45 MPH TO 55 MPH
702001-06	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS





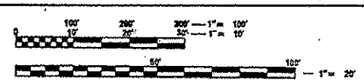
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

WHITESIDE COUNTY
STERLING & COLOMA, SECTION 30 & 31, T. 21-N. & R-6-7-E.
HENRY COUNTY
CAMBRIDGE, SECTION 15, T. 15-N. & R-3-E.

CONTRACT NO. 64C67

GROSS LENGTH OF SECTION = 63 FEET = 0.0119 MILES (WHITESIDE)
GROSS LENGTH OF SECTION = 43 FEET = 0.008 MILES (HENRY)
NET LENGTH OF SECTION = 63 FEET = 0.0119 MILES (WHITESIDE)
NET LENGTH OF SECTION = 43 FEET = 0.008 MILES (HENRY)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED July 10 20 06
Deputy Director of Highways, Region Engineer
August 15, 20 06
Mike Hine P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
August 15 20 06
Milton R. Sees P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

DISTRICT 2, DIXON

Δ Added Sheet 2-20-13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

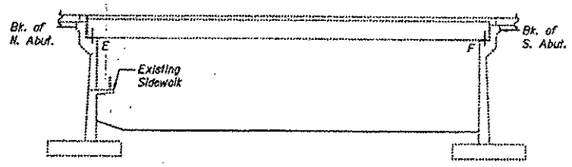
EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BB-3	WHITESIDE	113	91
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

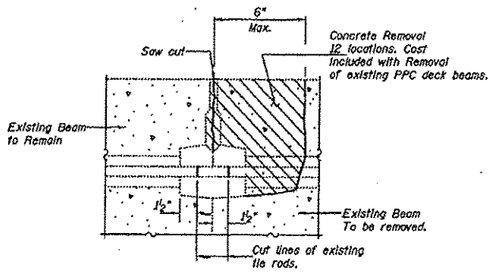
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

		Whiteside	-	7-	SHEET NO. 1
					3 SHEETS

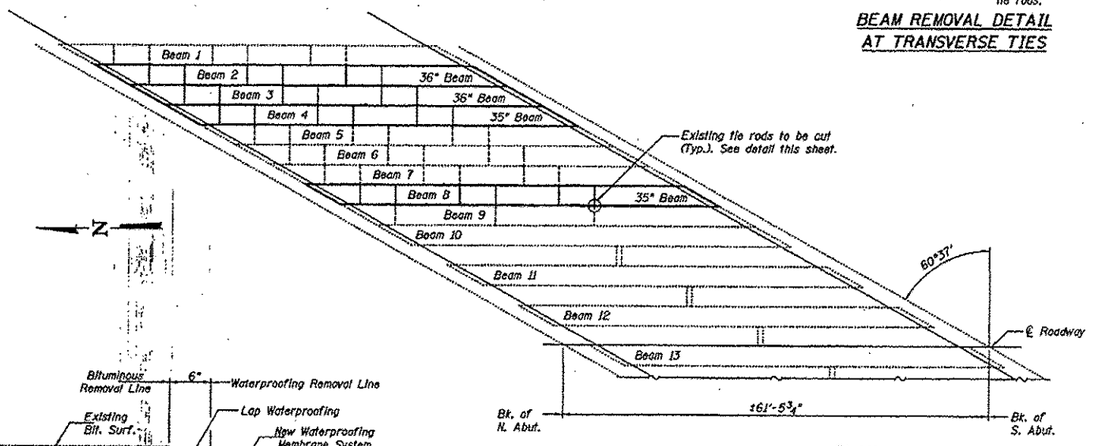
Contract Number: 64C67



ELEVATION

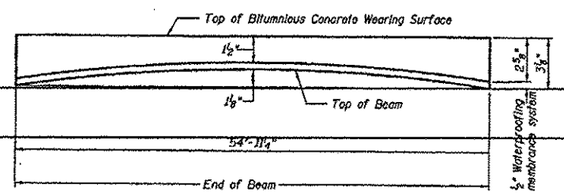


BEAM REMOVAL DETAIL AT TRANSVERSE TIES



PLAN

WATERPROOFING TREATMENT



ANTICIPATED INITIAL CAMBER DIAGRAM

GENERAL NOTES

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to normal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to manufacturer's specifications prior to another coat of zinc. This work shall be performed by the producer and included with the cost of the beam.

Any damage done to the bridge during beam removal shall be repaird by the Contractor. Cost to be included in the cost of Removal of Existing PPC Deck Beams.

The top surface of the beams shall be finished in accordance with Article 504.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of ¼".

If required to be anchored, temporary concrete barrier shall only be anchored into the overlay and not the PPC Deck Beams.

All construction joints shall be bonded.

See Roadway Plans for Stage Construction Details.

The minimum thickness of the Bituminous concrete overlay shall be ½" and varies as required to adjust for the existing profile grade and beam camber.

All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Removal of Existing PPC Deck Beams	Sq. Ft.	659
PPC Deck Beams (27" Depth)	Sq. Ft.	650
PC Mortar Fairing Course	Foot	330
Waterproofing Membrane System	Sq. Yd.	917
Asbestos Bearing Pad Removal	Each	4
Bituminous Concrete Surface Course, Superpave Mix "D" N50	Ton	10.3
Furnishing and Erecting Structural Steel	Pound	210
Bituminous Concrete Surface Removal	Sq. Yd.	18.5
Silicone Joint Sealer, ½"	Foot	25

DESIGN STRESSES

PRECAST UNITS

f'c = 5,000 psi
f'ci = 4,000 psi
f's = 270,000 psi (½" ϕ low lax strands)
f'si = 201,960 psi (½" ϕ low lax strands)

DESIGNED Paul S. Thrun
CHECKED Paul S. Thrun
DRAWN
CHECKED S.T.B. / PSS

August 4, 2006
EXAMINED John A. Mouis
PASSED Robert E. Adams
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
061-004625
REGISTERED STRUCTURAL ENGINEER

Expires November 30, 2006

SLT-92-001-06

PLAN AND ELEVATION
IL 40 / HENNEPIN CANAL FEEDER
WHITESIDE COUNTY
SN 098-0015

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

Added Sheet 2-20-13

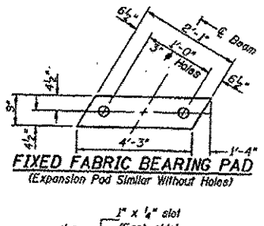
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	91K
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

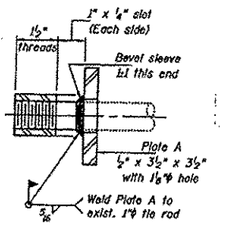
			Whiteside	-	8

SHEET NO. 2
3 SHEETS

Contract Number: 64C67

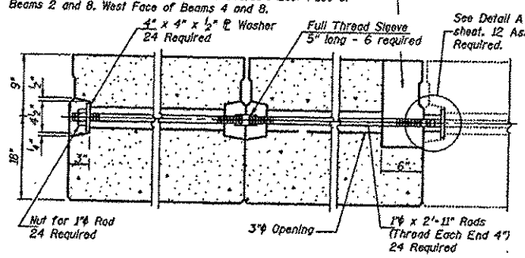


FIXED FABRIC BEARING PAD
(Expansion Pad Similar Without Holes)

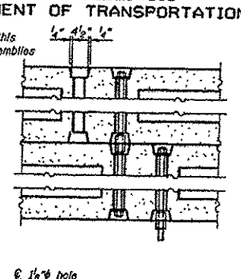


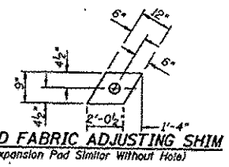
SECTION A-A

6" x 6" x 11½" Blockout to be filled with Class BD Concrete after Beams have been installed. Cost shall be included in the cost of "Bituminous Concrete Surface Course". East Face of Beams 2 and 8. West Face of Beams 4 and 8.



TYPICAL TRANSVERSE TIE ASSEMBLY





FIXED FABRIC ADJUSTING SHIM
(Expansion Pad Similar Without Holes)

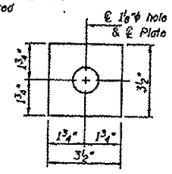
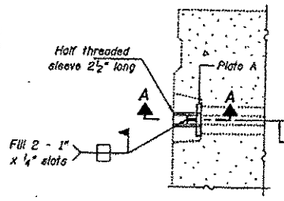
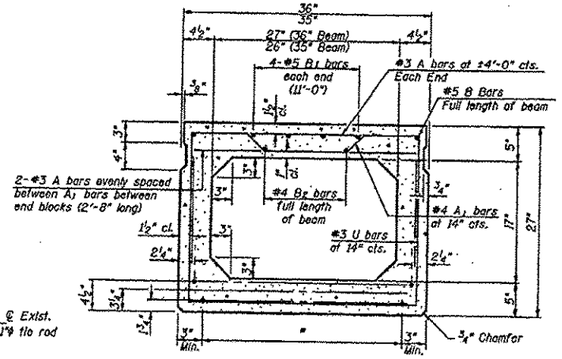


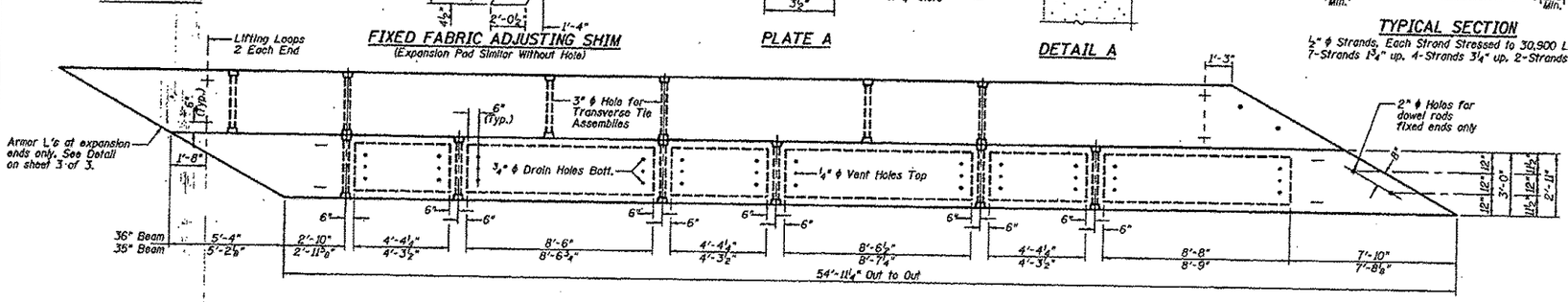
PLATE A



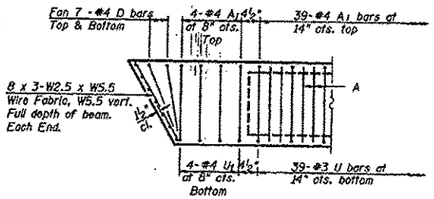
DETAIL A



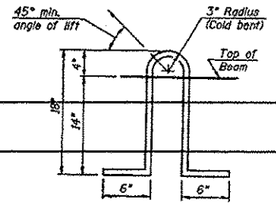
TYPICAL SECTION
½" ϕ Strands, Each Strand Stressed to 30,900 Lbs.
7-Strands 1¾" up, 4-Strands ¾" up, 2-Strands 4½" up



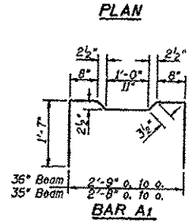
PLAN



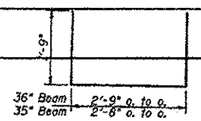
END PLAN



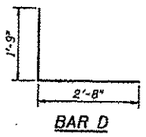
LIFTING LOOP DETAIL



BAR A1



BARS U & U1



BAR D

* TRANSVERSE PLACEMENT GUIDELINES

1. Place strands symmetrically about centerline of beam.
2. The minimum distance from center to center of strands in all directions shall be 2".
3. The minimum clearance from strand to dowel hole shall be ½".
4. The minimum clearance from strand to void shall be 1½".

Vertical placement of strands shall not be adjusted to satisfy the above guidelines.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in. Lifting loops shall be 2 - ½" ϕ-270 ksi strands, as shown.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two ⅛" fabric adjusting shims of the dimensions shown shall be provided for each bearing.

Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of the beam and the bottom edge of the key.

Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

Required Release Strength, f'ci, shall be 4,000 p.s.i.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms.	Sq. Ft.	650

DESIGNED	S.J.B.
CHECKED	P.S.J.
DRAWN	Drew Christopher
CHECKED	S.J.B. P.S.J.

August 3, 2006

EXAMINED John A. Morris
ENGINEER OF STRUCTURAL SERVICES

PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

PD-5-R 10-22-04

SLT-92-001-06

BEAM DETAILS
IL 40 / HENNEPIN CANAL FEEDER CANAL BRIDGE 45
WHITESIDE COUNTY
SN 098-0015

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

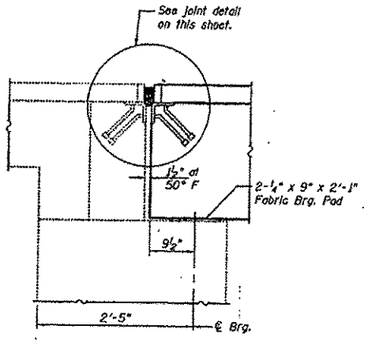
Δ Added Sheet 2-20-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	91
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

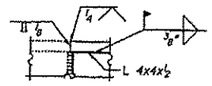
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
		Whiteside	-	9

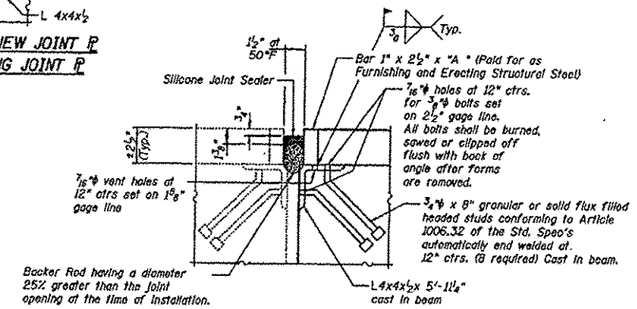
SHEET NO. 3
3 SHEETS
Contract Number: 64C67



TYPICAL NORTH ABUTMENT SECTION
(Dimensions at Rt. L's)

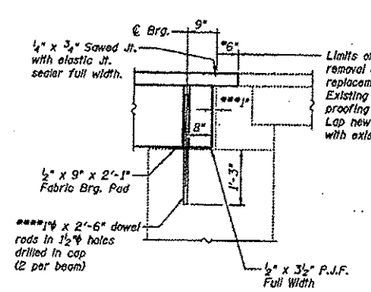


ELEVATION NEW JOINT TO EXISTING JOINT



WEST ABUTMENT JOINT DETAIL
(Cost included with PPC Deck Beams, except as noted)

Beam	Length "A"
2 - 4	18'-4"
8	6'-1¼"

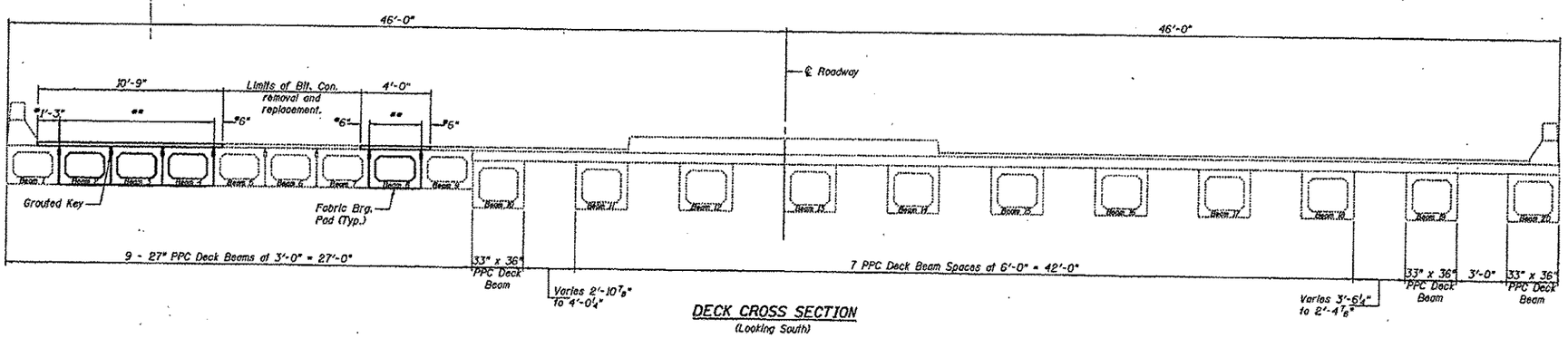


TYPICAL SOUTH ABUTMENT SECTION
(Dimensions at Rt. L's)

*Limits of existing waterproofing to remain. The bituminous concrete removal in these areas shall be paid for as Bituminous Concrete Surface Removal.
**Cost of removal in these areas is included with Removal of Existing PPC Deck Beams.

****Existing dowel rods are to be burned off, ground flush, and sealed with epoxy prior to placement of new beams. Cost included in Removal of Existing PPC Deck Beams. After beams have been erected holes shall be drilled into cap and dowel rods placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a minimum of 24 hours prior to grouting the shear keys.

***Existing joint filler to be removed. Cost included with removal of PPC deck beams. 1" Joint shall be filled with non-shrink grout. Dimension may vary to accommodate tolerance in beam lengths.



DECK CROSS SECTION
(Looking South)

DESIGNED	S.J.B.
CHECKED	P.S.J.
DRAWN	Drew Christopher
CHECKED	S.J.B. P.S.J.

August 3, 2006
EXAMINED: John A. Morris, Bureau of Structural Services
PASSED: Ralph E. Anderson, Engineer of Bridges and Structures

JOINT AND DECK DETAILS
IL 40 / HENNEPIN CANAL
FEEDER CANAL BRIDGE 45
WHITESIDE COUNTY
SN 098-0015

SLT-92-001-06

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

Added Sheet 2-20-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101.88-3	WHITESIDE	12	9M
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

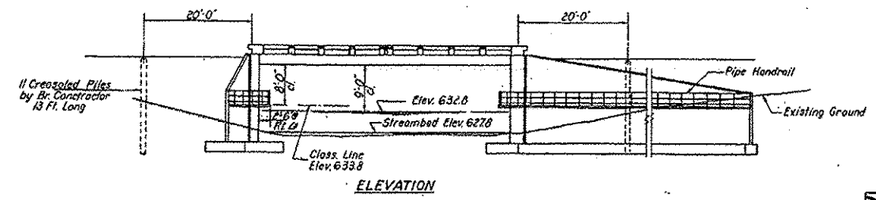
B.M.: Bronze tablet in N.W. cor. Canal Bridge
Rt. Sta. 77+68 El. 647.96
Existing Structure: 110'-7" through Truss & 2 @ 21'-0" I-Bm. Approach, Conc. Abuts, Piers & Columns, 16'-6" Rdwy. width, timber floor. To be removed by Bridge Contractor before construction of new Bridge. No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

F.A.P. 40 / S.B.I.	101B-1	WHITESIDE	31	3

SHEET NO. 1
10 SHEETS

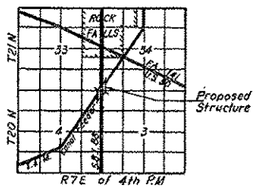
FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT F-126(5)



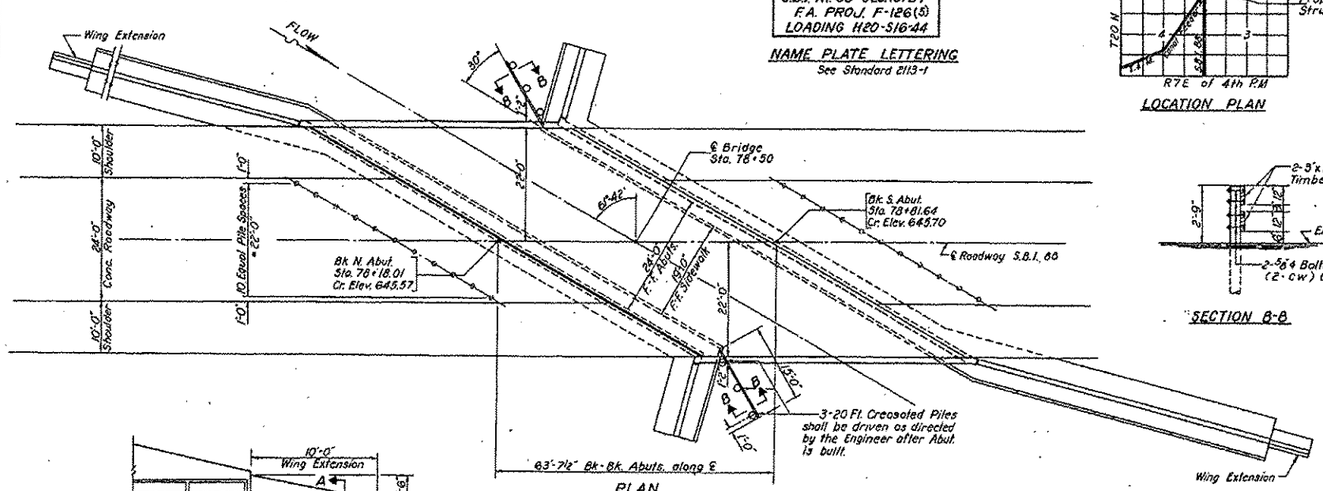
ELEVATION

STATION 78+50
BUILT 196 BY
STATE OF ILLINOIS
S.B.I. RT. 88 SEC. 101B-1
F.A. PROJ. F-126(5)
LOADING H20-S16-44

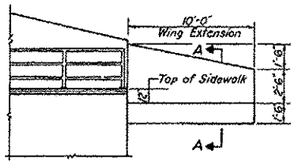
NAME PLATE LETTERING
See Standard 2113-1



LOCATION PLAN

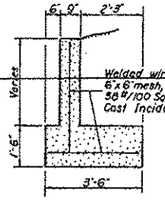


PLAN

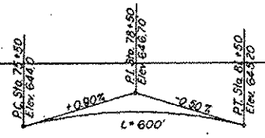


ELEVATION - WING EXTENSION

5.7 Cu. Yds. Class X Concrete included in Substructure Quantities.



SECTION A-A



PROFILE S.B.I. 88

SECTION B-B

WATERWAY INFORMATION
Flow controlled and W.W. opening has been determined by navigation & recreational requirements.

DESIGN STRESSES FOR PRESTRESSED BOX BEAMS
f'c = 5,000 psi.
fci = 4,000 psi.
fs = 248,000 psi. (Cables 7/16")
fsi = 173,600 psi.

DESIGN STRESSES
fc = 1,400 psi. Super
fc = 1,000 psi. Sub
fs = 20,000 psi. Reinf.
v = 75 psi. Pfgs.
n = 10

LOADING H20-S16-44

GENERAL NOTES

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

The sidewalk shall be finished in accordance with Article 51.17 of the Standard Specifications.

The handrail concrete in the rail posts and railing shall be poured in separate operations.

All reinforcement bars shall be lapped 20 diameters unless otherwise shown.

For item "Precast Prestressed Concrete Bridge Beams" see Special Provisions.

Strand used as prestressing element shall be non-galvanized high strength, stress-relieved 7-wire strand. The nominal diameter of the strand shall not exceed 7/16" and the nominal cross-sectional area shall be 0.1089 square inch.

The horizontal exposed surfaces of the expansion guards shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs and vertical faces shall not be painted.

Expansion guards are included in quantity of Structural Steel. Estimated Weight = 2600 Lbs.

The Contractor shall drive one timber test pile in a permanent location at each abutment as directed by the Engineer before ordering the remainder of piles.

The following surfaces of the abutments shall be waterproofed; the backs of the exterior walls above the lower construction joint and the backs of the wings above the tops of the footings.

The cost of all timber buffers, connecting hardware, and luminous paint shall be included in the lump sum price bid for Timber Buffers Complete.

Permanent forms will not be permitted in forming the concrete floor.

Except as otherwise provided, all structural steel and pipe handrail shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 of the Standard Specifications.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Removal of Existing Structures	Each			1
Class B Excavation for Structures	Cu. Yds.		930	930
Structural Steel	Lbs.	2600		2600
Precast Prestressed Concrete Bridge Beams	Lin. Ft.	454		454
Handrail Concrete	Cu. Yds.	3.1		3.1
Class X Concrete	Cu. Yds.	77.8	683.7	761.5
Reinforcement Bars	Lbs.	9680	74,890	84,570
Untreated Piles	Lin. Ft.		3904	3904
Creosoted Piles	Lin. Ft.		406	406
Test Piles (Timber)	Each		2	2
Name Plates	Each	1		1
Protective Coat	Sq. Yds.	332		332
Pipe Handrail	Lin. Ft.		380	380
Temporary Bridge Complete	Each			1
Timber Buffers Complete	Lump Sum			L.S.
Preformed Joint Sealer	Lin. Ft.	98		98

* See Sheets 9 and 10 for details of Temporary Bridge.

DESIGNED	Walter Rinne	EXAMINED	JAN 31 1944 W. G. Baumann
CHECKED	A. Colwell	PASSED	
DRAWN	J.L. Armstrong	APPROVED	
CHECKED			

PROJ. F-126(5)
GENERAL PLAN & ELEVATION
ILLINOIS & MISSISSIPPI CANAL FEEDER
S.B.I. RT. 88 (FA 40) SEC. 101B-1
WHITESIDE COUNTY
STA. 78+50

FOR INFORMATION ONLY

Added Sheet 2-20-13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

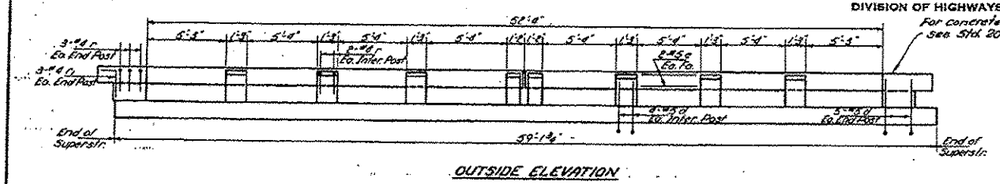
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101.88-3	WHITESIDE	113	918

CONTRACT NO. 64C12
ILLINOIS FED. AID PROJECT

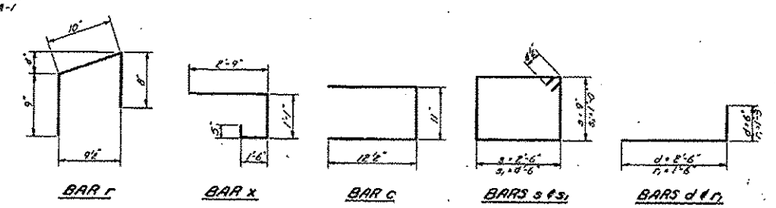
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

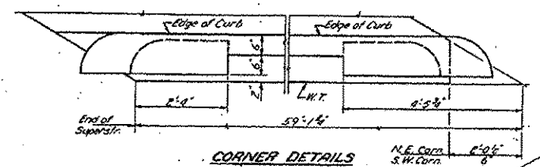
65	101 B-1	WHITESIDE	51	5

SHEET NO. 2
10 SHEETS



OUTSIDE ELEVATION

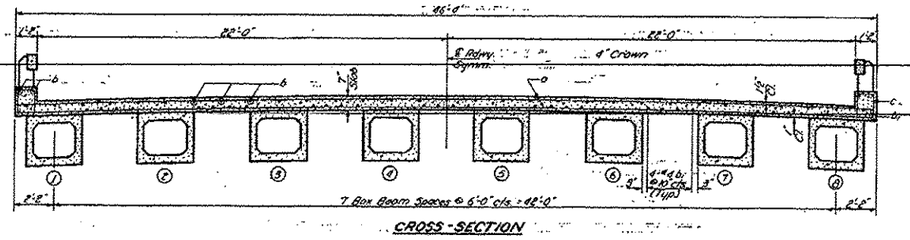




CORNER DETAILS

PLAN

CURB DETAIL



CROSS-SECTION

BILL OF MATERIAL

Bar	No	Size	Length	Shape
a	144	#5	27'-9"	——
a₁	42	#5	6'-0"	——
a₂	18	#5	95'-6"	——
b	62	#5	30'-0"	——
b₁	60	#4	30'-0"	——
c	118	#4	3'-0"	⊔
d	84	#5	3'-0"	⊔
e	16	#5	89'-0"	——
r	48	#4	2'-3"	⊓
r₁	12	#4	2'-9"	⊓
s	21	#4	7'-3"	⊐
s₁	21	#4	11'-9"	⊐
y	24	#5	5'-0"	⊔

Item	Unit	Quant.
Class Y Concrete	Cu.Yds.	77.0
Reinforcement Bars	Lbs.	9680
Handrail Concrete	Cu.Yds.	3.1
Precast Prestressed Concrete Bridge Beams	Lin. Ft.	954'
Structural Steel	Lbs.	2600
Preformed Jt. Sealer	Lin. Ft.	89

SUPERSTRUCTURE
S. B. I. Rt. 88 - Sec. 1018-1
WHITESIDE COUNTY
STA. 78+50

DESIGNED	W. Walter Perry	
CHECKED	Allen Aldwell	
DRAWN	A. Wanless	
CHECKED		

Jan 31 1964

EXAMINED	H. G. Bunnell
PASSED	
APPROVED	H. E. Bleuft

FOR INFORMATION ONLY

Added Sheet 2-20-13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

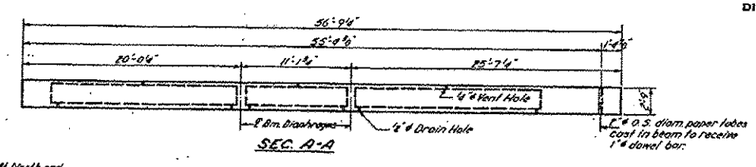
EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101-B8-3	WHITESIDE	113	912
		CONTRACT NO. 64C17		
	ILLINOIS FED. AID PROJECT			

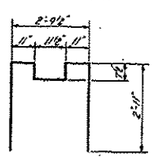
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

A.A.R. 86	1018-I	WHITESIDE	31	9

SHEET NO. 9
10 SHEETS

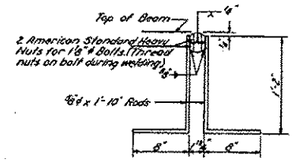


SEC. A-A

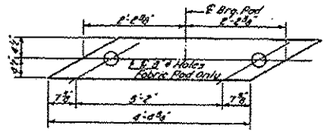


BAR A

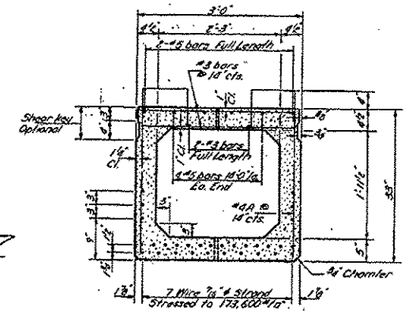
Note: Bars in beam included in unit price bid for "Precast Prestressed Concrete Bridge Beams"



LIFTING INSERT DETAIL
(Required as shown or approved equal)



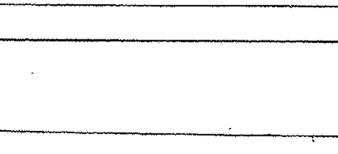
PLAN OF BEARING PADS



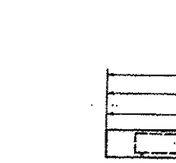
TYPICAL SECTION THRU 33" BEAM

℄ Area = 3,267.2"
10 Strands 1½" ø Bottom Row
1ø Strands 3" ø Top Row
2 Strands 9" Up
2 Strands 12" Up
2 Strands 15" Up

PLAN



SEC. B-B (Typ.)



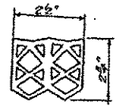
SEC. C-C

SEC. THRU N. ABUT

SEC. THRU S. ABUT
(Over Beam)

SEC. THRU S. ABUT
(Between Beams)

Note: Cost of furnishing and grouting dowel bars and threaded inserts with ¾" ø x 2'-0" lg. bars is included in unit price bid for P.P. Concrete Bridge Beams



DETAIL PREFORMED JOINT SEALER

DESIGNED	Walter Berry	JAN 31 1964	
CHECKED	A. Bidwell	EXAMINED	M. G. Baumann
DRAWN	L. Wankes	PASSED	
CHECKED		APPROVED	

SUPERSTRUCTURE DETAILS
S. B. I. RT. 88 - SEC. 1018-I
WHITESIDE COUNTY
STA. 78+50

FOR INFORMATION ONLY

Added Sheet 2-20-13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

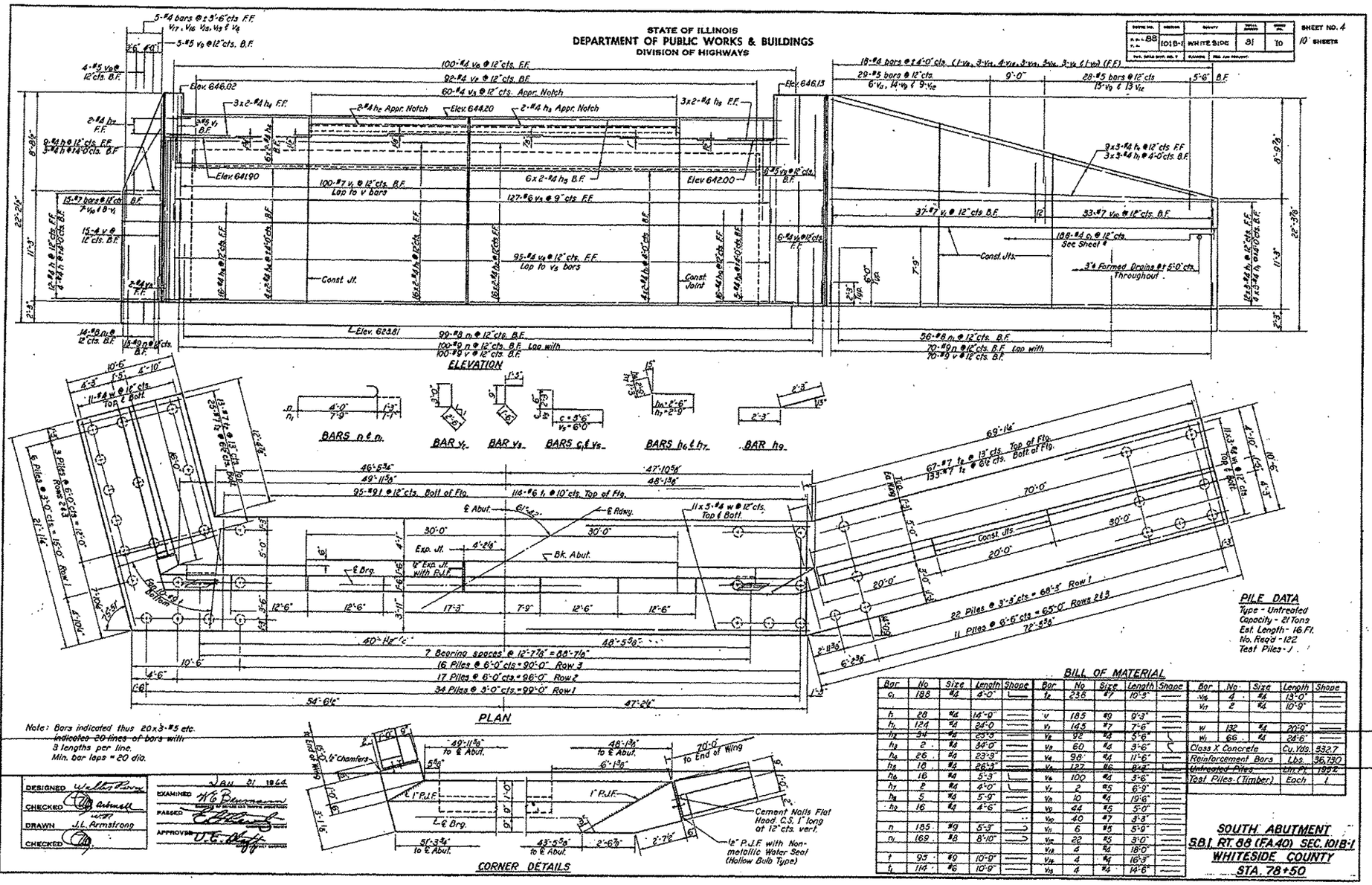
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	11	3 9 10

CONTRACT NO. 69C17
ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 88	101B-1	WHITE SIDE	81	10
STATE SHEET NO. 7	PLANNING	FED. AID PROJECT		

SHEET NO. 4
10 SHEETS



PILE DATA
Type - Untreated
Capacity - 21 Tons
Est. Length - 16 Ft.
No. Req'd - 122
Test Piles - 1

BILL OF MATERIAL

Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape
c_1	188	#8	4'-0"		t_2	238	#7	10'-5"		v_6	4	#8	13'-0"	
										v_{17}	2	#4	10'-9"	
h	28	#8	14'-0"		v	185	#9	9'-3"						
h_1	124	#8	24'-0"		v_1	145	#7	7'-6"		w	132	#4	20'-0"	
h_2	94	#8	23'-9"		v_2	98	#4	5'-6"		w_1	66	#4	24'-6"	
h_3	2	#8	34'-0"		v_3	60	#4	3'-6"		Class X Concrete			Cu. Yds.	332.7
h_4	26	#8	23'-9"		v_4	98	#4	11'-6"		Reinforcement Bars			Lbs.	36,780
h_5	18	#8	26'-3"		v_5	127	#6	8'-9"		Untreated Piles			Lin. Ft.	1922
h_6	16	#8	5'-3"		v_6	100	#4	3'-6"		Test Piles (Timber)			Each	1
h_7	2	#8	4'-0"		v_7	2	#5	6'-9"						
h_8	5	#8	5'-9"		v_8	10	#4	19'-6"						
h_9	16	#8	4'-6"		v_9	44	#5	5'-0"						
					v_{10}	40	#7	3'-8"						
n	185	#9	5'-3"		v_{11}	6	#5	5'-9"						
n_1	169	#8	8'-10"		v_{12}	22	#5	3'-0"						
					v_{13}	4	#4	18'-0"						
t	93	#9	10'-9"		v_{14}	4	#4	16'-3"						
t_1	114	#6	10'-9"		v_{15}	4	#4	14'-6"						

SOUTH ABUTMENT
SBI. RT. 88 (F.A.40) SEC. 101B-1
WHITESIDE COUNTY
STA. 78+50

DESIGNED — CHECKED — DRAWN J.L. Armstrong — CHECKED

EXAMINED JAN 21 1964 — PASSED — APPROVED

FOR INFORMATION ONLY

Added Sheet 2-2013

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

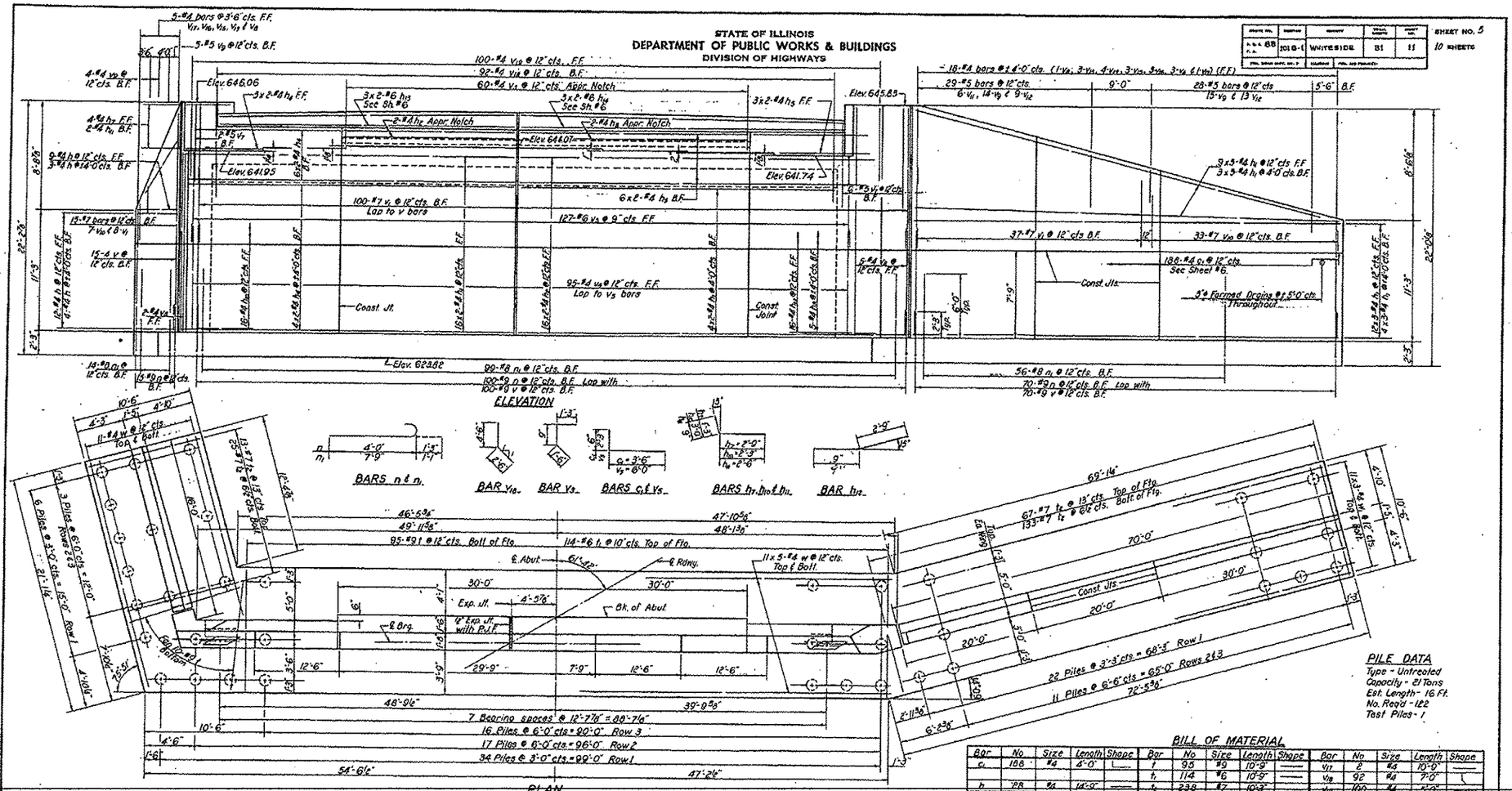
EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101B8-3	WHITESIDE	113	91E
		CONTRACT NO. 64C12		
		ILLINOIS FED. AID PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

STATION NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 68	101B-1	WHITESIDE	81	11
FED. ROAD PROJ. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 5
10 SHEETS



Note: Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 20 dia.

DESIGNED	Walter Berg	EXAMINED	JAN 31 1964
CHECKED		PASSED	
DRAWN	J.L. Armstrong	APPROVED	
CHECKED			

PILE DATA
Type - Untreated
Capacity - 21 Tons
Est. Length - 16 Ft.
No. Reqd - 122
Test Piles - 1

BILL OF MATERIAL

Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape
c1	188	#8	4'-0"		f1	95	#9	10'-9"		V17	2	#6	10'-0"	
h	PR	#6	14'-0"		f2	238	#7	10'-9"		V16	92	#6	21'-0"	
h1	124	#6	24'-0"		V	185	#9	9'-3"		V17	100	#6	5'-0"	
h2	54	#6	25'-3"		V1	145	#7	7'-6"		V18	132	#6	20'-9"	
h3	2	#6	34'-0"		V2	60	#6	8'-6"		W	66	#6	24'-6"	
h4	69	#5	23'-9"		V3	98	#6	11'-6"		Class X Concrete			Cu Yds	3826
h5	18	#6	26'-3"		V5	127	#6	8'-3"		Reinforcement Bars			Lbs.	317,380
h7	4	#6	4'-0"		V7	8	#5	6'-9"		Untreated Piles			Lin. Ft.	1952
h8	5	#6	5'-6"		V8	9	#6	19'-6"		Test Piles (Timber)			Each	1
h9	16	#6	5'-3"		V9	38	#5	5'-0"						
h10	2	#6	3'-3"		V10	40	#7	3'-3"						
h11	16	#6	3'-6"		V11	6	#5	5'-9"						
h13	6	#6	22'-6"		V14	22	#5	3'-0"						
h14	6	#6	25'-6"		V15	4	#4	18'-0"						
					V16	4	#4	16'-3"						
n	185	#9	5'-3"		V18	4	#4	14'-6"						
n1	169	#8	8'-10"		V19	4	#4	13'-0"						

NORTH ABUTMENT
S.B.I. RT. 88 (F.A.40) SEC. 101B-1
WHITESIDE COUNTY
STA. 78+50

FOR INFORMATION ONLY

Δ Added Sheet 2-20-13

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

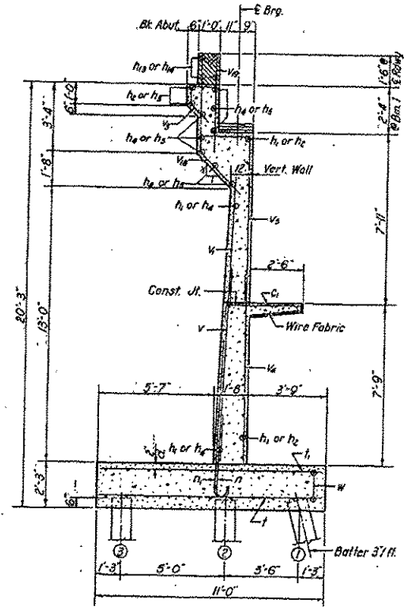
EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101-BR-3	WHITESIDE	113	91F
		CONTRACT NO. 64C12		
		ILLINOIS FED. AID PROJECT		

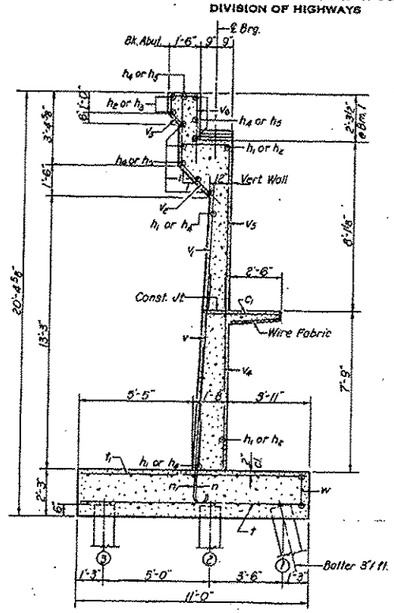
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
A.B.S. 68 A.S.	(2)18-1	WHITESIDE	31	12
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

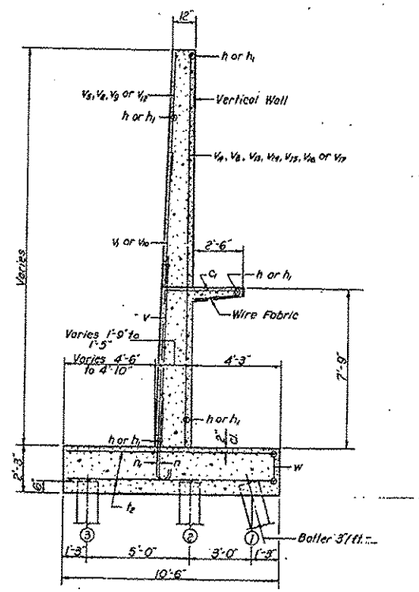
SHEET NO. 6
10 SHEETS



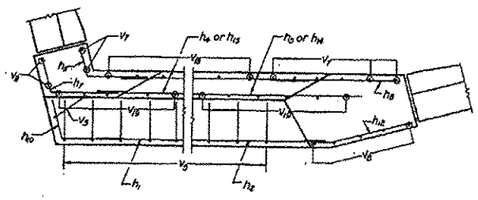
SECTION THRU N. ABUT



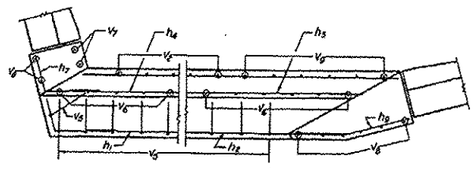
SECTION THRU S. ABUT



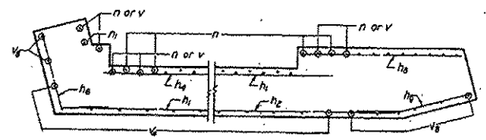
SECTION THRU WINGS



CORNER REINF.
Top N. Abut.



CORNER REINF.
(Top S. Abut.)



CORNER REINF.
(Bottom)

DESIGNED	Walter Berger	Jan. 31 1966
CHECKED	Albarell	
DRAWN	J.L. Armstrong	
CHECKED		
EXAMINED	H.G. Benneson	
PASSED		
APPROVED	H.E. Wolff	

Note:
All bars shall have 1½" clearance except as noted.
Pour sidewalk monolithically with stem.

ABUTMENT DETAILS
S.B.I. RT. 88 (F.A. 40) SEC. 101B-1
WHITESIDE COUNTY
STA. 78+50

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

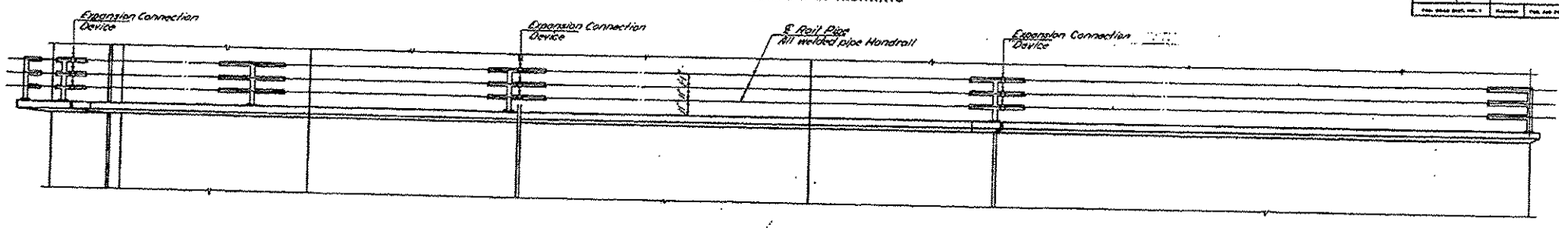
Δ Added Sheet 2-20-13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101.88-3	WHITESIDE	113	97G
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		

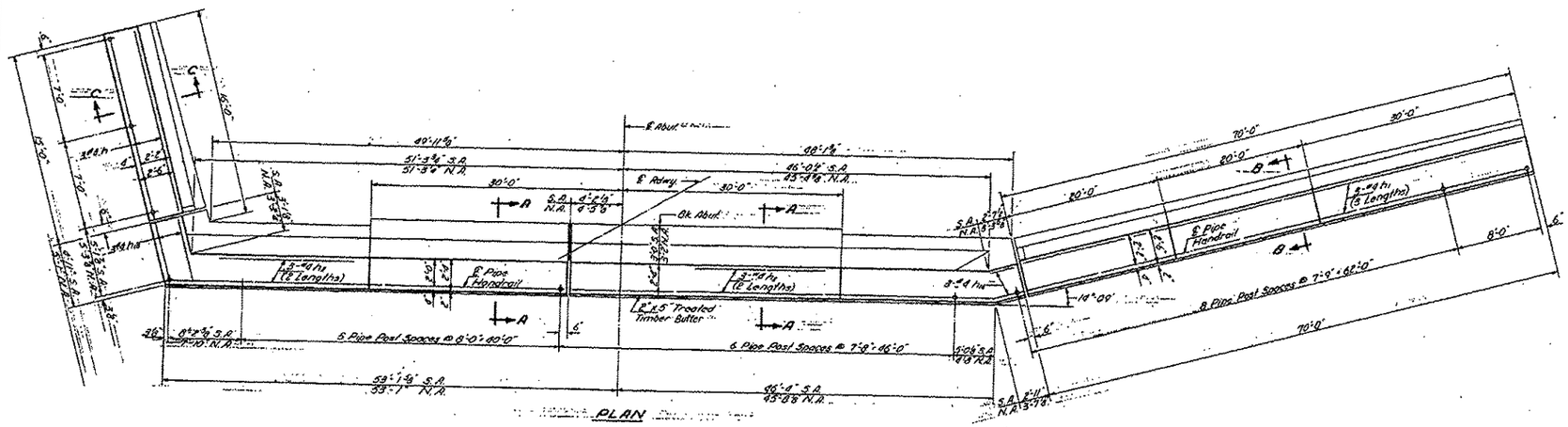
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D.A.I. 88	1018-1	WHITESIDE	51	13
D.A.				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

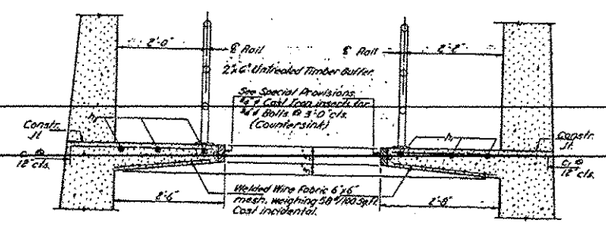
SHEET NO. 7
10 SHEETS



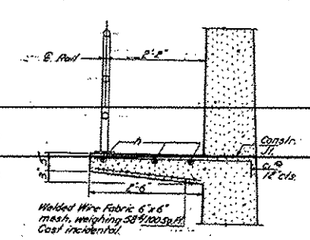
ELEVATION



PLAN

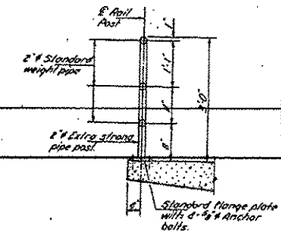


SEC. A-A



SEC. B-B

SEC. C-C



PIPE HANDRAIL DETAILS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	6	#8	14'-9"	—
h1	18	#8	28'-0"	—
h2	24	#8	25'-3"	—
h3	6	#8	8'-6"	—
h4	6	#8	2'-9"	—
Class X Concrete			Cu.Yds.	18.0
Reinforcement Bars			Lbs.	720.
Pipe Handrail			Lin.Ft.	380

Note: c bar billed in Abutment bill of material.

SIDEWALK & PIPE HANDRAIL
S.B.I. RT. 88 - SEC. 1018-1
WHITESIDE COUNTY
STA. 78+50

DESIGNED	Walter Berg	JAN 31 1964
CHECKED	A. Schmidt	EXAMINED
DRAWN	L. Wanless	PASSED
CHECKED		APPROVED

FOR INFORMATION ONLY

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

Added Sheet 2-20-13

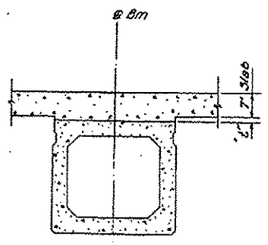
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
696	101.88.3	WHITESIDE	11	3 7A
		CONTRACT NO. 69CI2		
ILLINOIS	FED. AID PROJECT			

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

68	101B-1	WHITESIDE	31	14

SHEET NO. 8
10 SHEETS

Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut	7779.000	21.000	645.137	645.137
	7790.102	15.000	645.301	645.301
	7801.295	9.000	645.455	645.455
	7812.631	3.000	645.551	645.551
	7818.010	.000	645.574	645.574
	7823.582	3.000	645.581	645.581
	7834.725	9.000	645.546	645.546
	7845.984	15.000	645.454	645.454
	7857.911	21.000	645.321	645.321
℄ Brg N. Abut	7784.106	21.000	645.155	645.155
	7795.248	15.000	645.318	645.318
	7806.393	9.000	645.470	645.470
	7817.536	3.000	645.565	645.565
	7823.108	.000	645.588	645.588
	7828.679	3.000	645.594	645.594
	7839.822	9.000	645.558	645.558
	7850.965	15.000	645.485	645.485
	7862.109	21.000	645.360	645.360
	7794.106	21.000	645.190	645.190
	7805.249	15.000	645.350	645.350
	7816.393	9.000	645.498	645.498
	7827.536	3.000	645.591	645.605
	7833.108	.000	645.613	645.626
	7838.679	3.000	645.619	645.631
	7849.822	9.000	645.579	645.593
	7860.966	15.000	645.483	645.497
	7872.109	21.000	645.378	645.390
	7804.106	21.000	645.221	645.248
	7815.249	15.000	645.379	645.400
	7826.393	9.000	645.525	645.547
	7837.536	3.000	645.615	645.637
	7843.108	.000	645.636	645.657
	7848.679	3.000	645.640	645.661
	7859.822	9.000	645.598	645.620
	7870.966	15.000	645.499	645.521
	7882.109	21.000	645.390	645.411
	7814.106	21.000	645.251	645.274
	7825.249	15.000	645.406	645.429
	7836.393	9.000	645.550	645.574
	7847.536	3.000	645.635	645.661
	7853.108	.000	645.656	645.679
	7858.679	3.000	645.658	645.682
	7869.822	9.000	645.615	645.638
	7880.966	15.000	645.515	645.537
	7892.109	21.000	645.401	645.424
	7824.106	21.000	645.278	645.296
	7835.249	15.000	645.431	645.449
	7846.393	9.000	645.572	645.591
	7857.536	3.000	645.657	645.675
	7863.108	.000	645.674	645.692
	7868.679	3.000	645.675	645.694
	7879.822	9.000	645.622	645.647
	7890.966	15.000	645.525	645.543
	7902.109	21.000	645.410	645.429
℄ Brg S Abut.	7837.694	21.000	645.312	645.312
	7849.037	15.000	645.461	645.461
	7860.180	9.000	645.598	645.598
	7871.323	3.000	645.680	645.680
	7876.894	.000	645.695	645.695
	7882.466	3.000	645.695	645.695
	7893.610	9.000	645.645	645.645
	7904.753	15.000	645.537	645.537
	7915.896	21.000	645.419	645.419
Bk. N. Abut.	7842.694	21.000	645.322	645.322
	7853.777	15.000	645.470	645.470
	7864.920	9.000	645.607	645.607
	7876.063	3.000	645.686	645.686
	7881.635	.000	645.702	645.702
	7887.207	3.000	645.700	645.700
	7898.350	9.000	645.649	645.649
	7909.493	15.000	645.540	645.540
	7920.635	21.000	645.421	645.421



METHOD OF DETERMINING FILLET HEIGHTS "t"

After all prestressed beams have been erected, center line top of beam elevations shall be taken at the stations shown in the chart. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection", minus the slab thickness, equals the fillet heights above top of beams.

N. Abt. Boring No. 1 Station 77+00 Offset 13' Lt. ℄

Ground Surface 659.2

Surface Water El.
Groundwater El. at Completion 630 ±
After Hours

Elevation	N	Qu-t/s.f.	w (%)
0			
Augered 4" to next Auger Boring on Levee - west side of canal.			
-5	2		
Very loose, black, silty sand			
Loose, Dark Grey, Fine Sand upp 2" Soft Grey Clay Layer	6		
Medium Grey, Sand and Gravel	-10 19		
Same as above	21		
Same as above	-15 25		
Same as above	23		
Same as above	-20 24		
Same as above	19		
Same as above	-25 14		
Same as above	20		
Same as above	-30 21		
Same as above	18		
Same as above	-35 12		
Same as above	23		
At 38' hit brown, silty fine sand. 39.5 to 39.7' Soft tan Clay Layer. 39.7 to 40.8 Brown "Silty Fine Sand"	-40 32		
41.8 to 43' No Sample or Blow Count			
Dense, Fine Sand with Gravel	-45 38		
Dense, Brown Sand - Some Fine Gravel			
Same as above	50 -50 40		
Finished Boring at 50.5'			

S. Abt. Boring No. 2 Station 77+50 Offset 2' ℄

Ground Surface 659.0

Elevation	N	Qu-t/s.f.	w (%)
0			
Augered 4" through Canal Levee to Next Auger			
-5 4		S. 10	
Soft, Black, Clayey Sand		K	
Loose to Medium Grey Clayey Sand	10		
Medium, Grey, Sand	-10 23		
Medium Grey, Sand & Gravel	26		
Same as above	-15 22		
Same as above	20		
Same as above	-20 21		
Same as above	19		
Same as above	-25 19		
Same as above	25		
Same as above	-30 30		
Same as above	33		
Same as above	-35 29		
Same as above	33		
Dense, Brown, Fine Silty Sand	-40 37		
Same as above	38		
Dense Brown, Sand and Gravel	-45 40		
Same as above	38		
Dense Brown, Sand & Gravel	-50 30		
Same as above			
Finished Boring at 50.5'			

N-Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

Qu-Unconfined Compressive Strength-t/s.f.

w-Water Content-percentage of oven dry weight-%.

Type failure.
B-Bulge Failure
S-Shear Failure
E-Estimated Value

DECK ELEVATIONS & BORINGS
SBI RT 88 SEC. 101B-1
WHITESIDE COUNTY
STATION 78+50

DESIGNED	Walt Perry	JAN 31 1964
CHECKED	Dalbrandt	EXAMINED W.E. Bimmann
DRAWN	W.P.	PASSED
CHECKED		APPROVED U.E. Duff

FOR INFORMATION ONLY

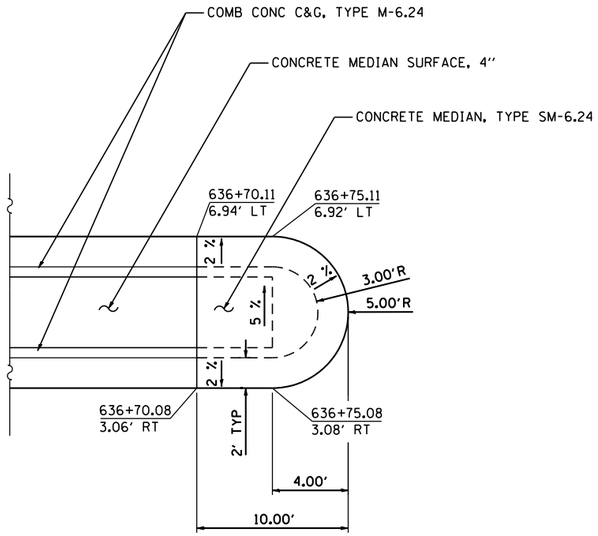
FILE NAME = c:\pw_work\pwidot\grantpm\d826127\D207111-sht-details.dgn	USER NAME = grantpm	DESIGNED -	REVISED -
	PLOT SCALE = 183.1218 '/ in.	DRAWN -	REVISED -
Default	PLOT DATE = Wed Feb 20 15:22:35 2013	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION
STRUCTURE NO. 098-0015
SHEET 35 OF 35 SHEETS

Added Sheet 2-20-13

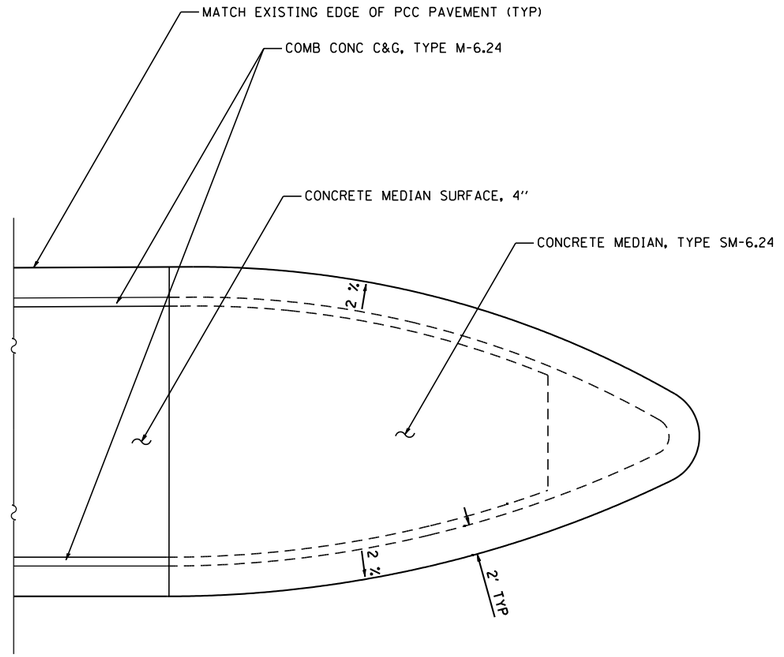
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
686	101-8B-3	WHITESIDE	113	91
		CONTRACT NO. 64C17		
		ILLINOIS FED. AID PROJECT		



PLAN

MEDIAN DETAIL

NOT TO SCALE

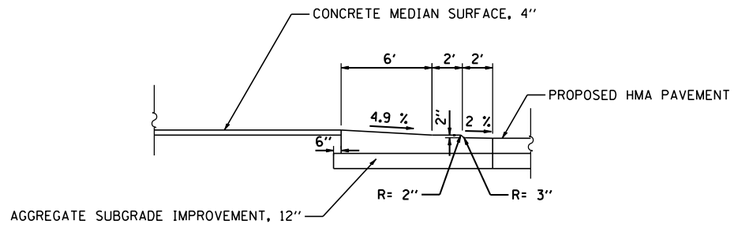


PLAN

BULLET NOSE MEDIAN LAYOUT SHALL BE CONTROLLED
BY THE LOCATION OF THE EXISTING EDGE OF PCC PAVEMENT.

BULLET NOSE MEDIAN DETAIL

NOT TO SCALE



ELEVATION

MEDIAN & BULLET NOSE DETAIL

NOT TO SCALE

FILE NAME = S:\JOL\63GG-6399\63466025\Micros\Sht\D2864C17-sht-detail01.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw	DESIGNED - VLF	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 10.0000 ' / IN.	CHECKED - MAG	REVISED -
PLOT DATE = 10/12/2012	DATE - 10-12-12	REVISED -

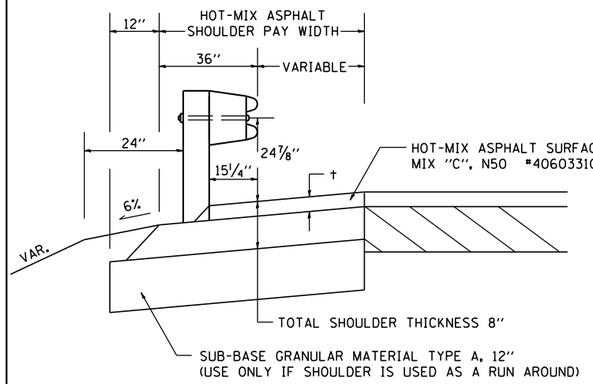
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN DETAILS

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	92
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

DETAIL OF HOT–MIX ASPHALT SHOULDER AT GUARD RAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

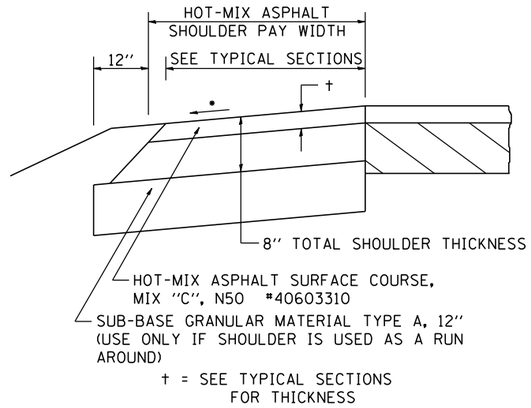
THE HEIGHT OF THE GUARD RAIL SHALL BE SET 24⅞'' FROM THE FINISHED SURFACE.

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

REVISED - 6-06-11

DETAIL OF HOT–MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

HOT–MIX ASPHALT SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 *40603310.

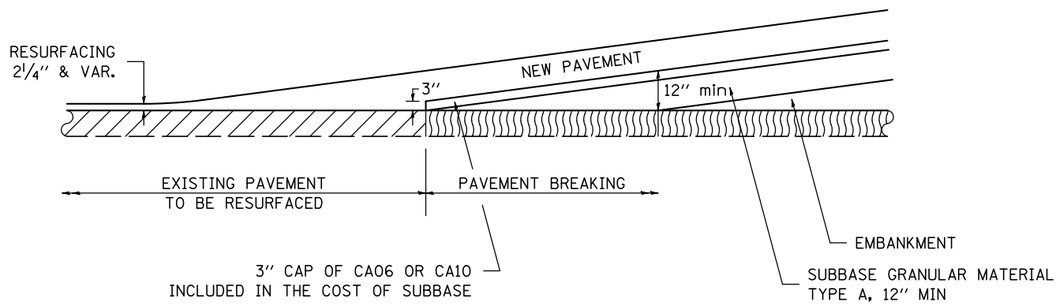
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 6-06-11

HOT–MIX ASPHALT SHOULDER 23.4a

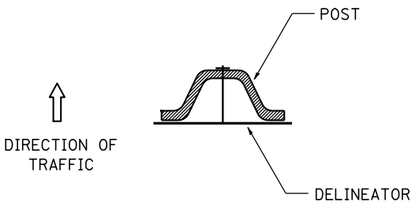
PAVEMENT BREAKING DETAIL

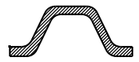


REVISED - 4-4-11

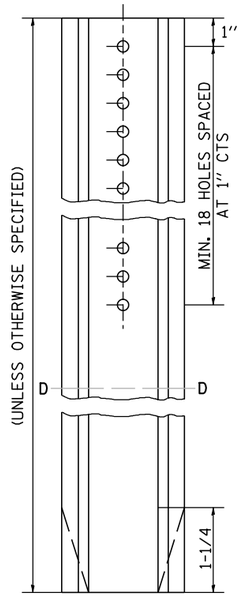
PAVEMENT BREAKING DETAIL 24.4

DELINEATOR AND POST ORIENTATION





SECTION D-D



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

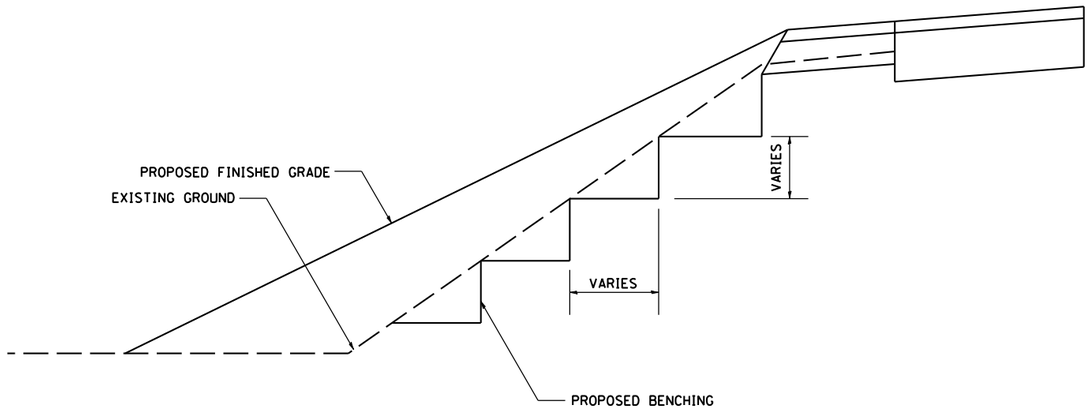
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-3-11	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		646	101 BR-3	WHITESIDE	113 / 93
REVISED -				CONTRACT NO. 64C17	
REVISED -	SCALE: 2.0000 '/ IN. | SHEET NO. OF SHEETS | STA. TO STA.	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT	

PLOT DATE = 10/12/2012

DELINEATOR AND POST ORIENTATION 37.4

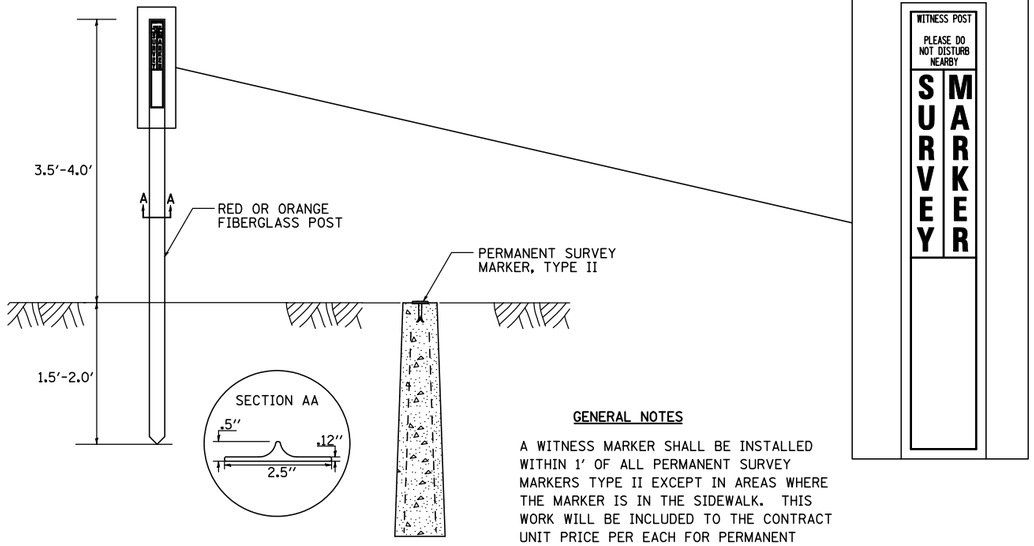
TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

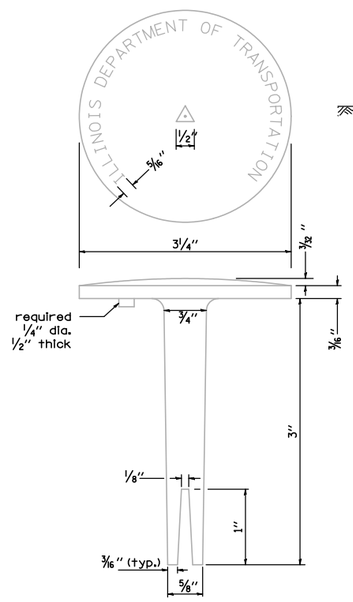
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



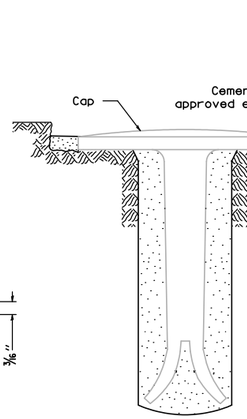
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

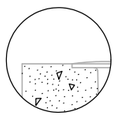
PERMANENT SURVEY MARKERS, TYPE II



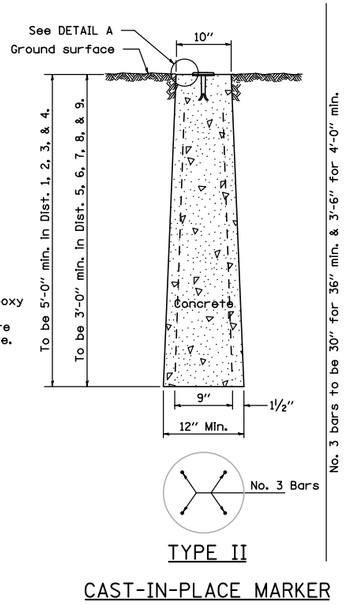
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

CAST-IN-PLACE MARKER

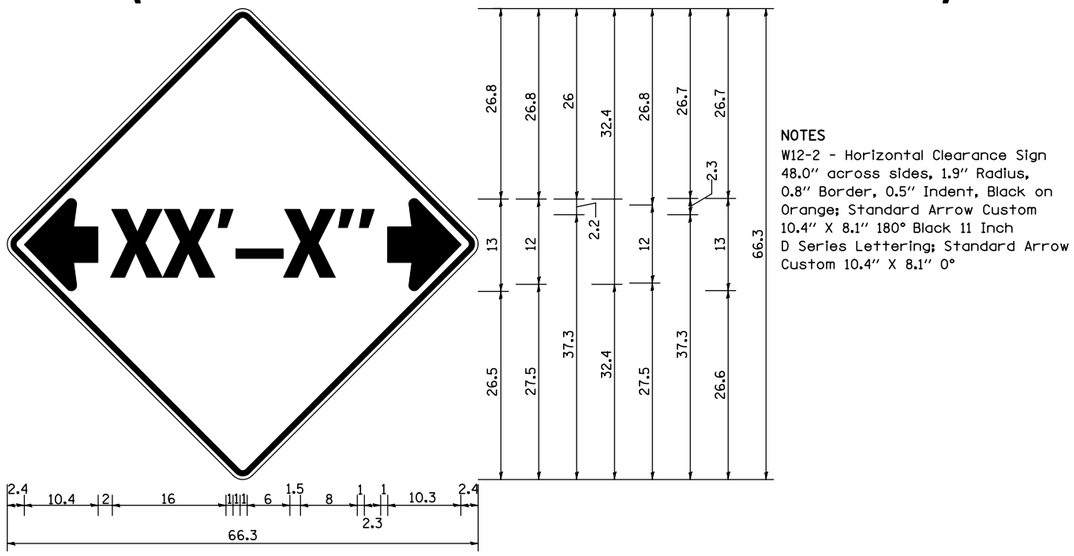
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		646	101 BR-3	WHITESIDE	113 / 94
REVISED -				CONTRACT NO.	64C17
REVISED -	SCALE: 2.0000 ' / IN. | SHEET NO. OF SHEETS | STA. TO STA.	FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT	

PLOT DATE = 10/12/2012

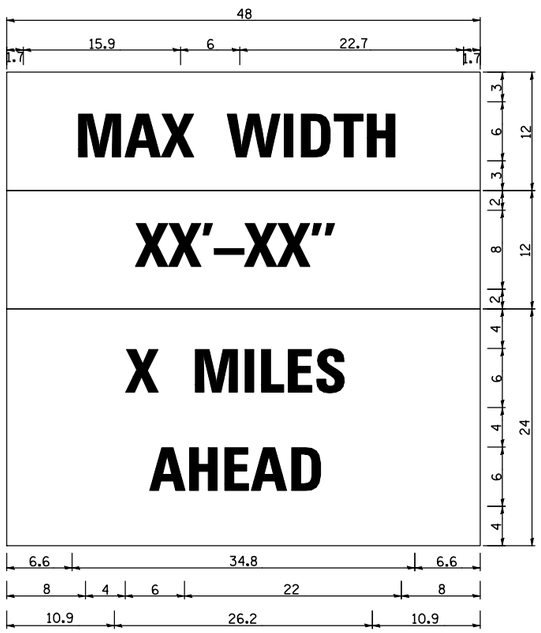
WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES

W12-2 - Horizontal Clearance Sign 48.0" across sides, 1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange; Standard Arrow Custom 10.4" X 8.1" 180° Black 11 Inch D Series Lettering; Standard Arrow Custom 10.4" X 8.1" 0°



W12-I103 (Width is 8D);
No border, Black on White;
[MAX WIDTH] D;

No border, Black on Orange;
[XX'-XX"] D;

No border, Black on White;
[X MILES] D; [AHEAD] D;

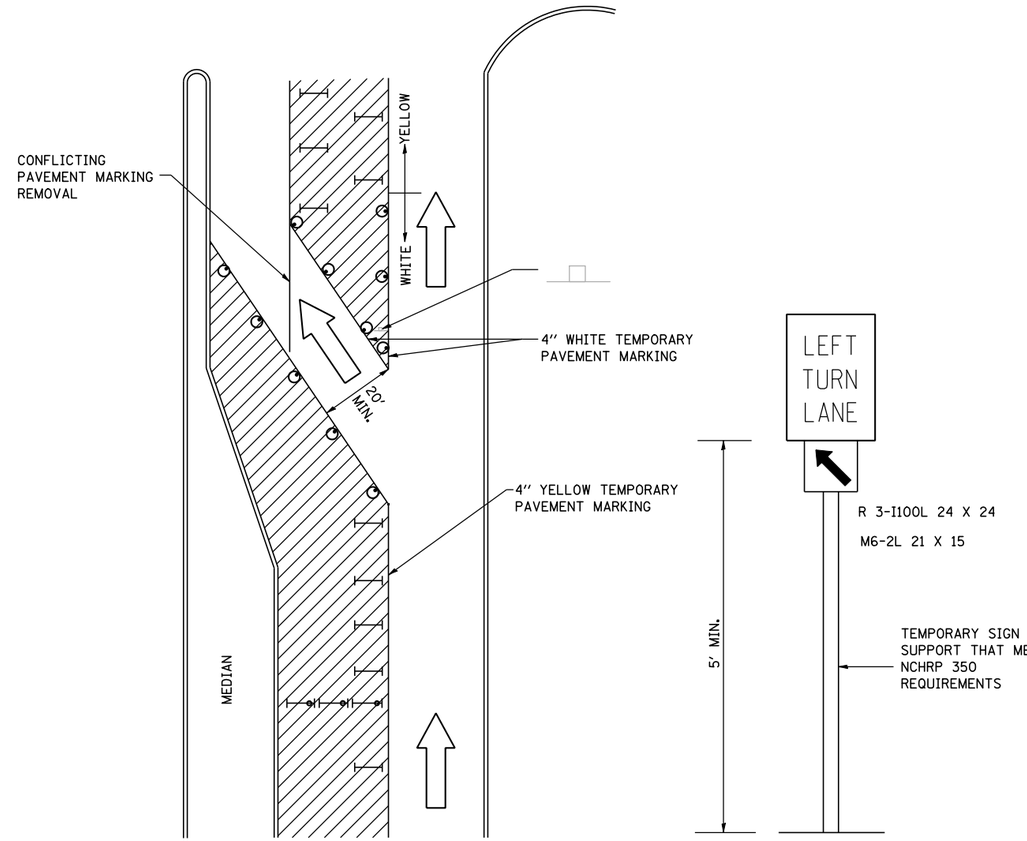
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES) 39.2

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

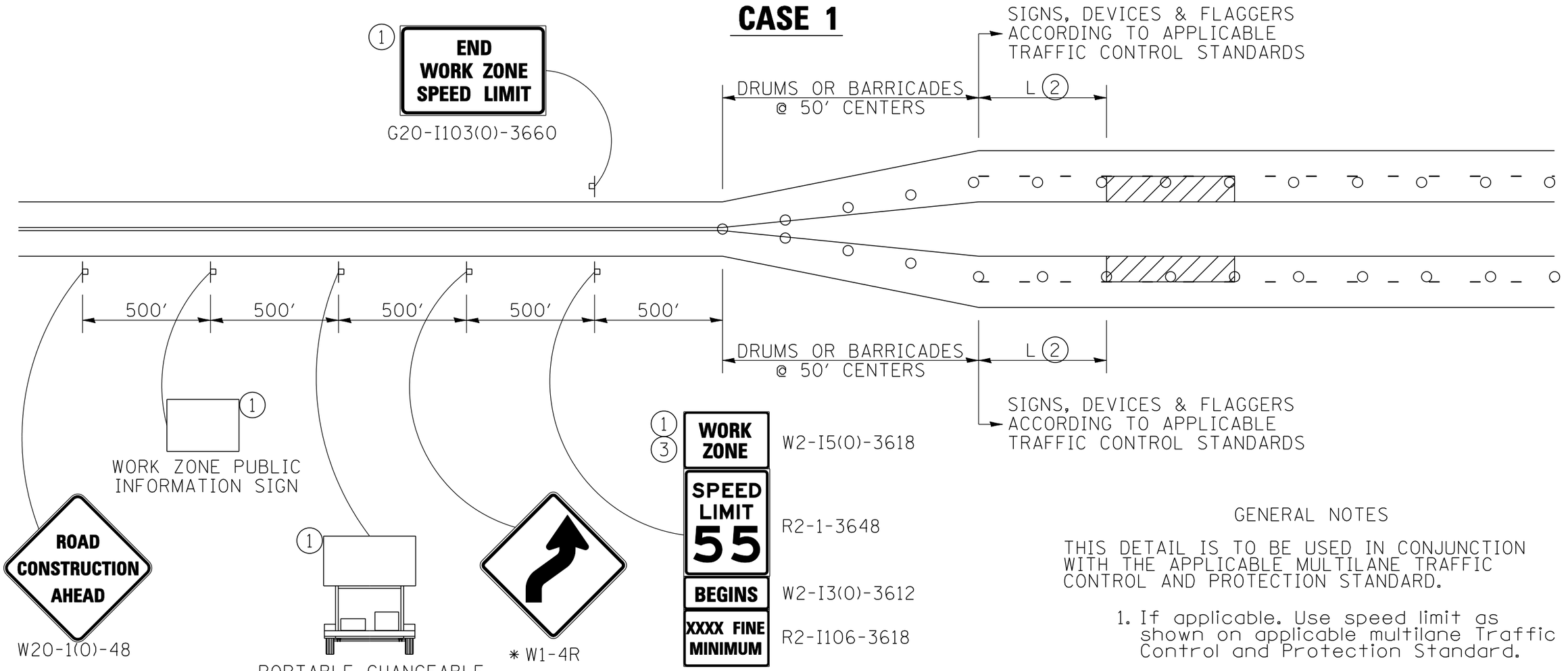
REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		646	101 BR-3	WHITESIDE	113	95
REVISED -				CONTRACT NO. 64C17		
REVISED -	SCALE: 2.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 10/18/2012

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) 94.2

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 1



GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

◯ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

* DEPENDS ON GEOMETRICS OF THE TRANSITION. MAY SWITCH THE "STAY IN YOUR LANE" AND "WEAVE SIGNS"

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/12/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

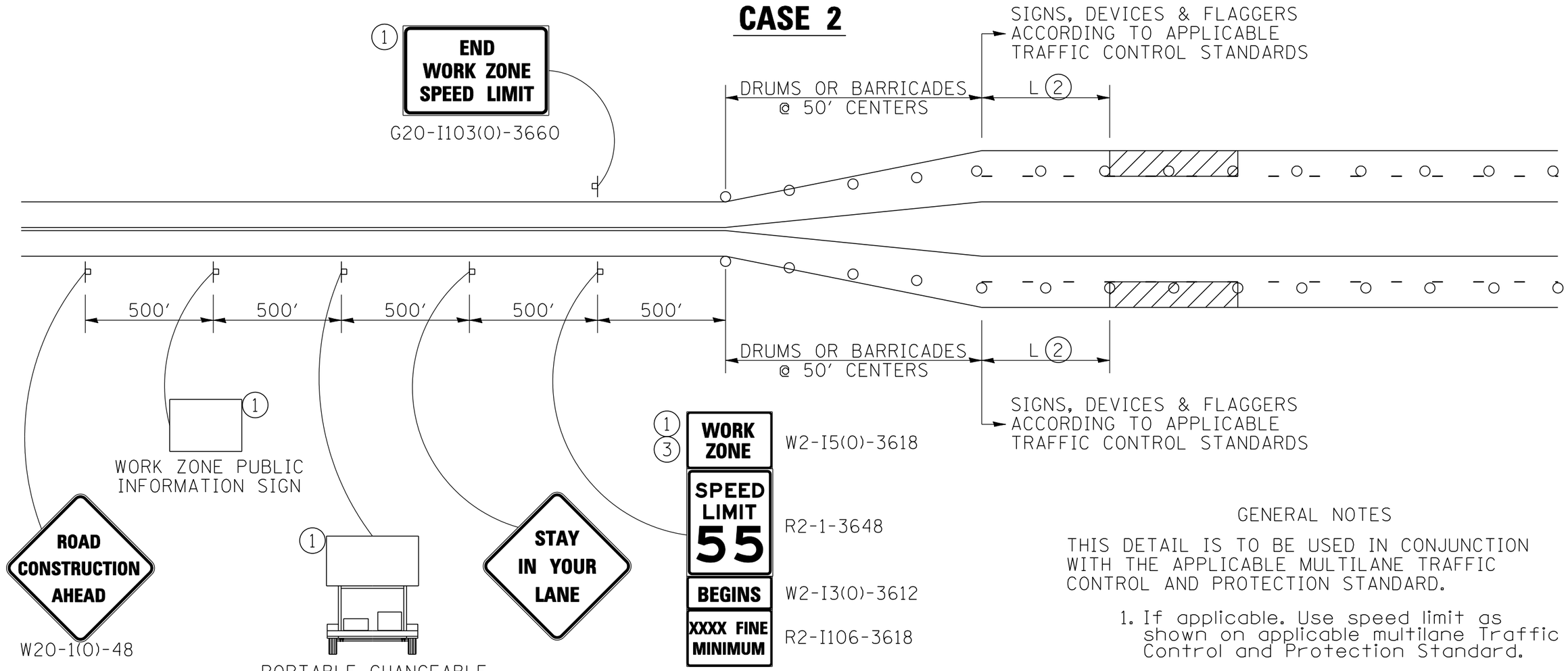
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	96
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 2



○ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/12/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

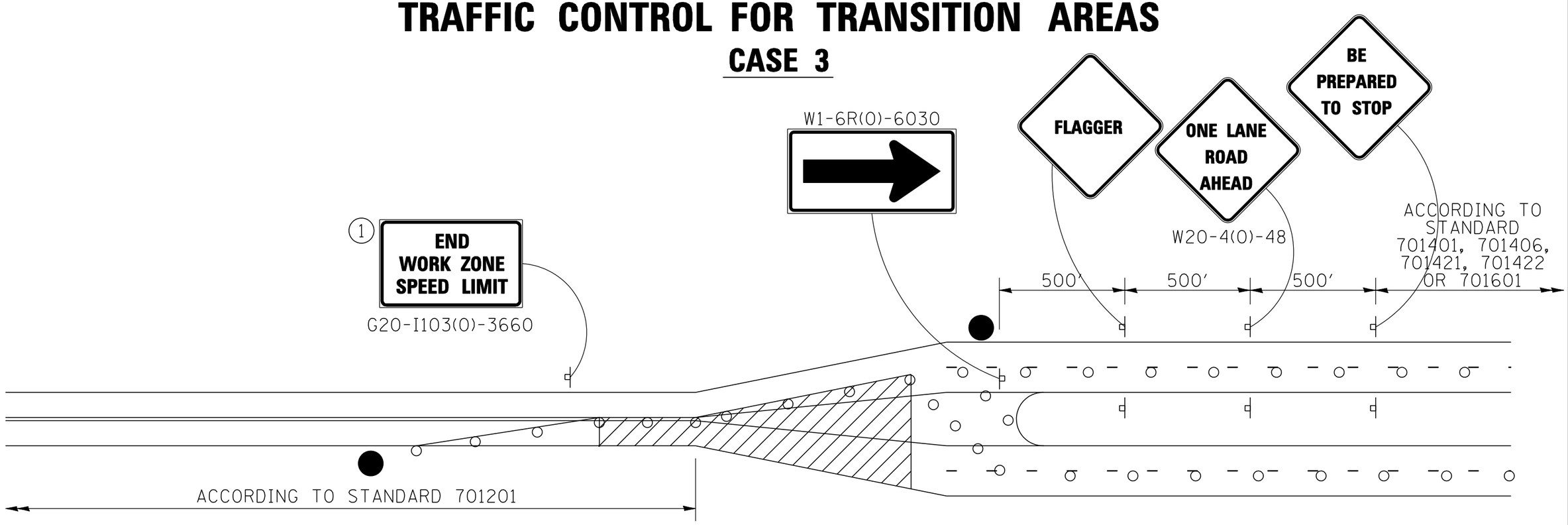
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	97
		CONTRACT NO. 64C17		

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 3



● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/12/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

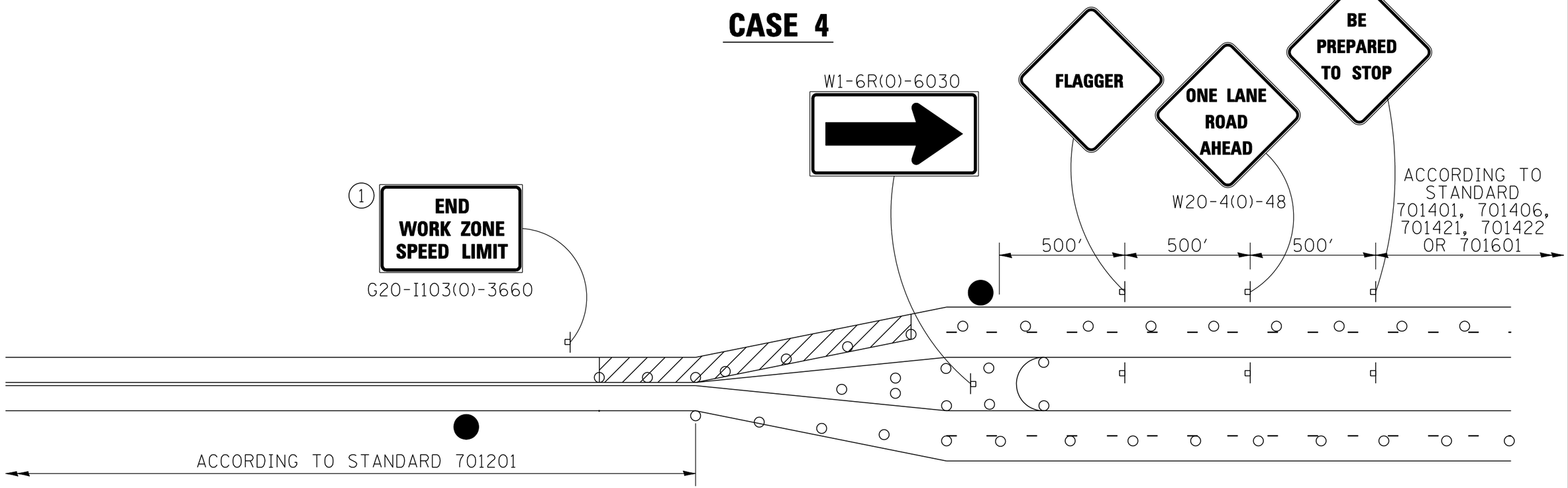
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	98
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 4



● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES

▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

GENERAL NOTES

THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use speed limit as shown on applicable multilane Traffic Control and Protection Standard.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 BEGINS shall be replaced with WORK ZONE SPEED LIMIT 45 BEGINS where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

FILE NAME = S:\JOL\6300--6399\6346\025\Micros\Sht\D264C17-sht-districtdetails.dgn	USER NAME = dennisw	DESIGNED -	REVISED - 3-5-12
		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/12/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	113	99
		CONTRACT NO. 64C17		
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT		