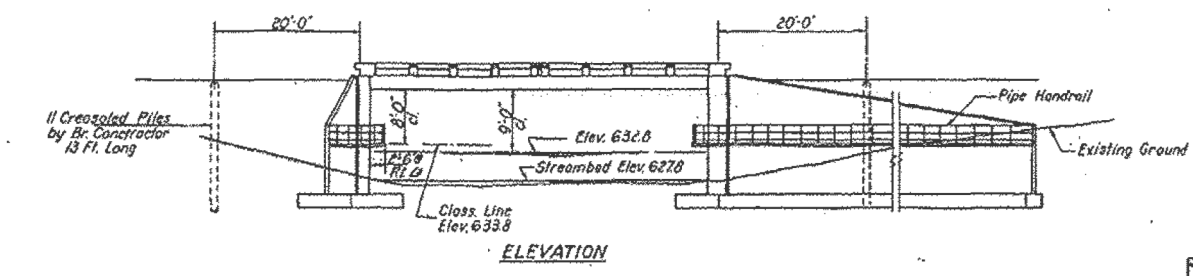


B.M.: Bronze tablet in N.W. cor. Canal Bridge  
Rt. Sta. 77+48 El. 647.96  
Existing Structure: 110' Through Truss & 2' x 21' I-Beam Approach,  
Conc. Abut., Piers & Columns, 16'-6" Rowy width, timber floor,  
to be removed by Bridge Contractor before  
construction of new Bridge. No Salvage.

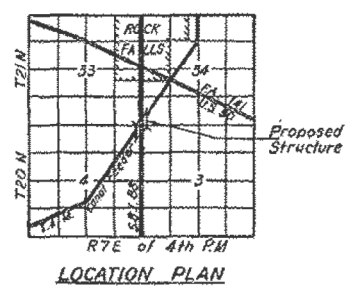
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	SHEET	TOTAL SHEETS
646	101 BR-3	31	101
PROJECT NAME: WHITESIDE COUNTY			CONTRACT NO.: F-126(5)



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



**GENERAL NOTES**

The concrete floor slab shall be finished in accordance with Article 5119 of the Standard Specifications.

The sidewalk shall be finished in accordance with Article 5117 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 7/8" 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.

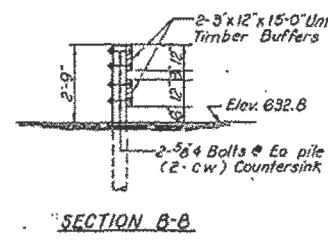
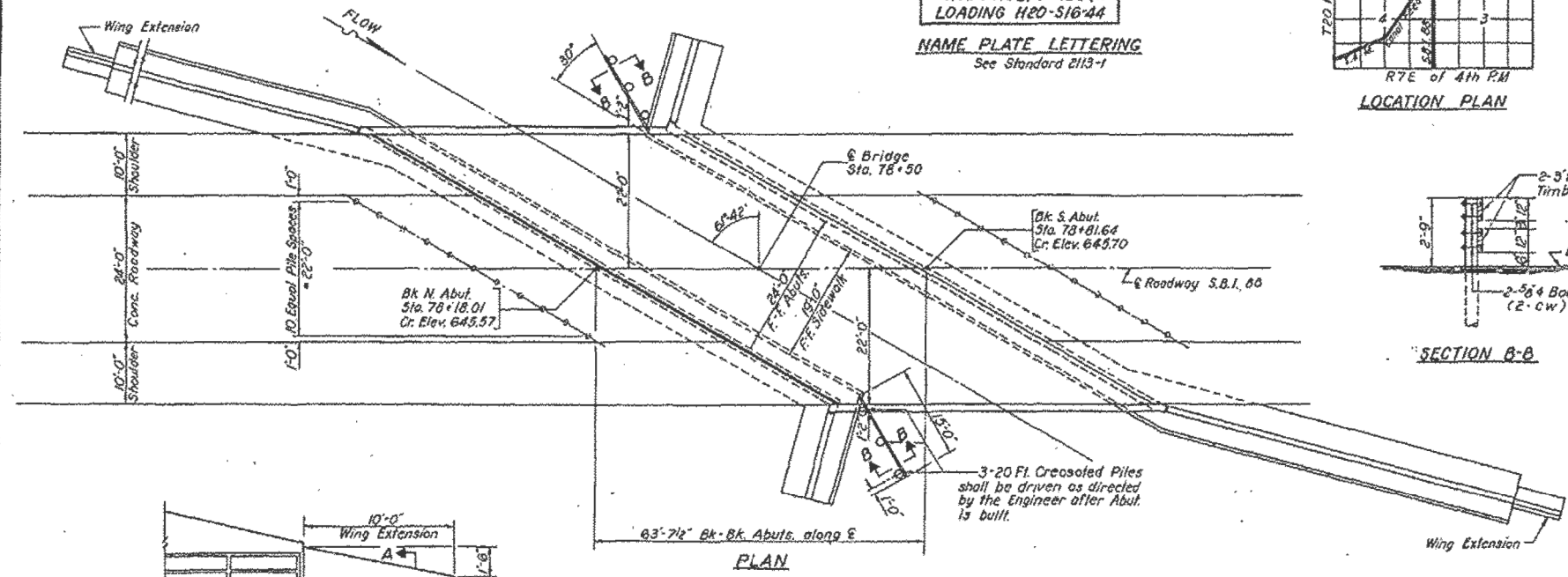
The Contractor shall drive one timber test pile in a permanent location at each abutment as directed by the Engineer before ordering the remainder of piles.

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.

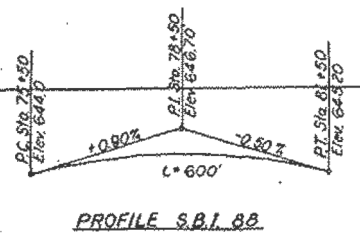
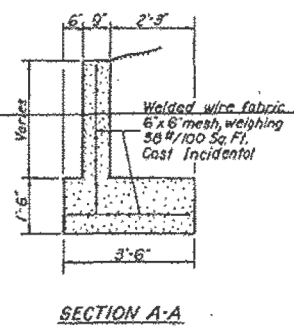
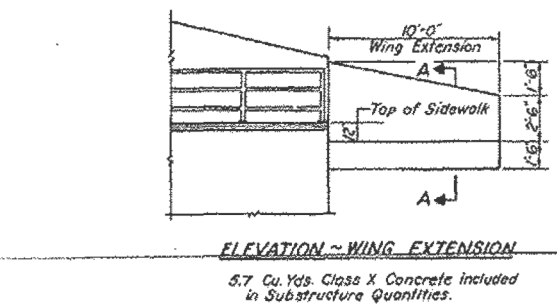
Except as otherwise provided, all structural steel and pipe handrail shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 of the Standard Specifications.



**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.	77.6	683.7	761.3
Reinforcement Bars	Lbs.	96,804	74,890	171,694
Untreated Piles	Lin. Ft.	3904		3904
Crossed 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			1.5
Preformed Joint Spaulter	Lin. Ft.	98		98

\* See Sheets 9 and 10 for details of Temporary Bridge.



**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.  
 $f_{ci} = 4,000$  psi.  
 $f_s = 248,000$  psi. (Cables 7/8")  
 $f_{si} = 175,600$  psi.

**DESIGN STRESSES**

$f_c = 1,400$  psi. Super  
 $f_c = 1,000$  psi. Sub  
 $f_s = 20,000$  psi. Reinf.  
 $v = 75$  psi. Ftgs.  
 $n = 10$

**LOADING H20-S16-44**

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

DESIGNED: Walter Perry  
CHECKED: J. L. Armstrong  
DRAWN: J. L. Armstrong  
EXAMINED: W. B. Baumann  
PASSED: J. L. Armstrong  
APPROVED: J. L. Armstrong

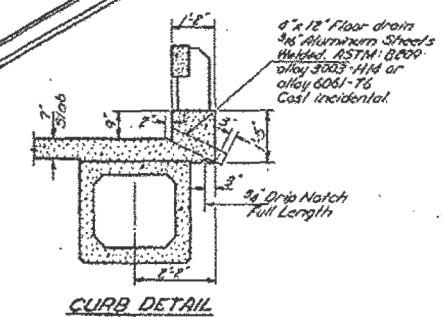
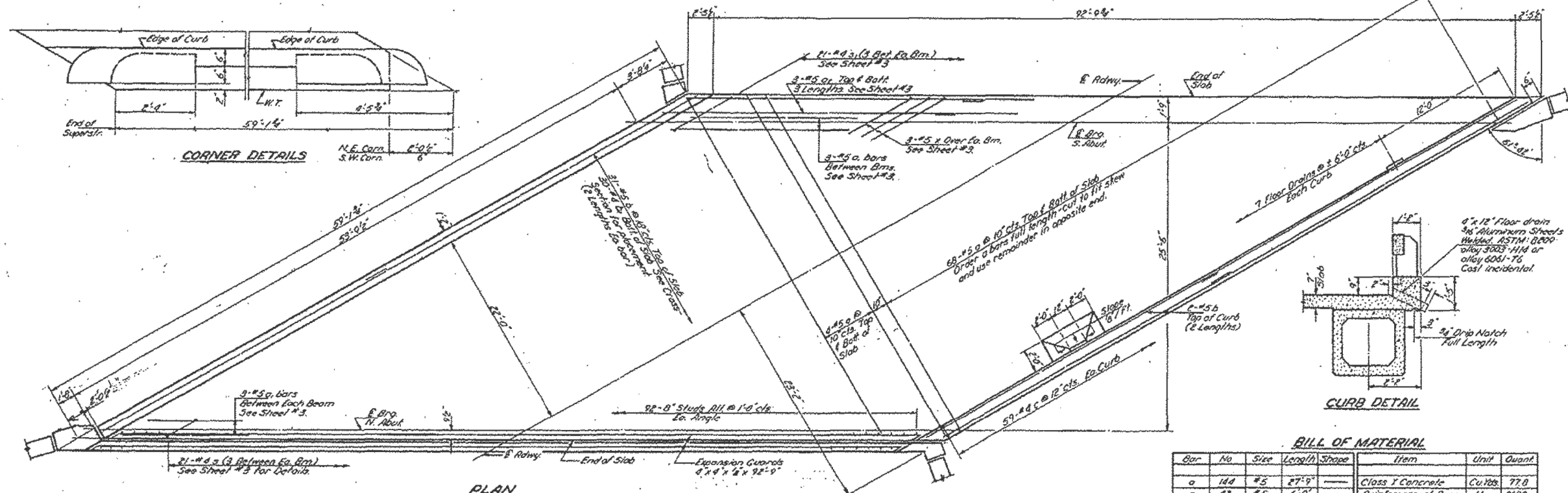
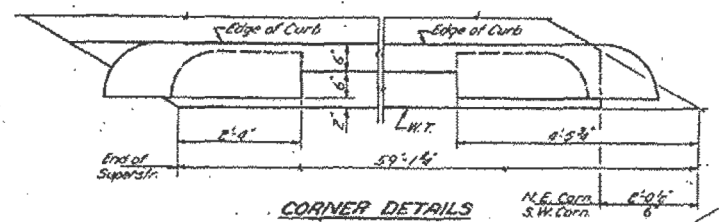
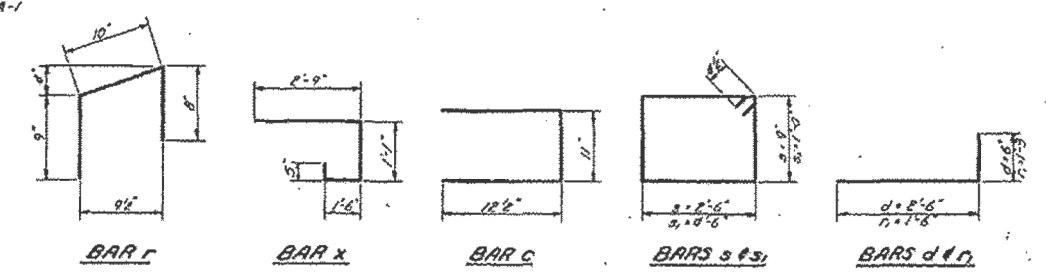
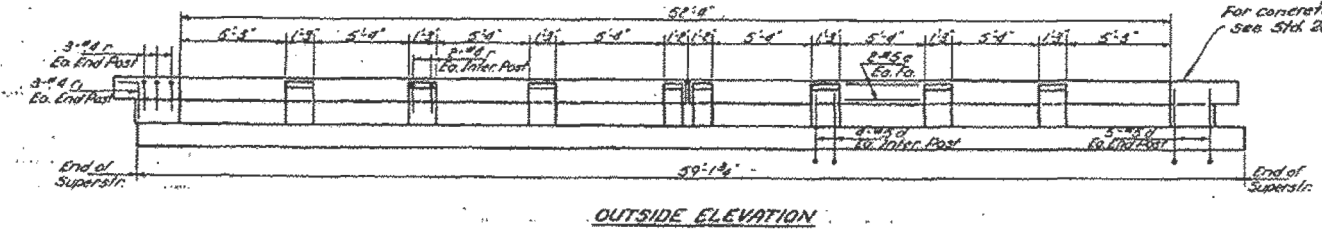
Jan 31 1964

FILE NAME = s:\p\1\6300-6395\6346\025\Micro\Struct\Structural\Plans\09580015-64C17-93-1-EPLANS.dgn

FOR INFORMATION ONLY

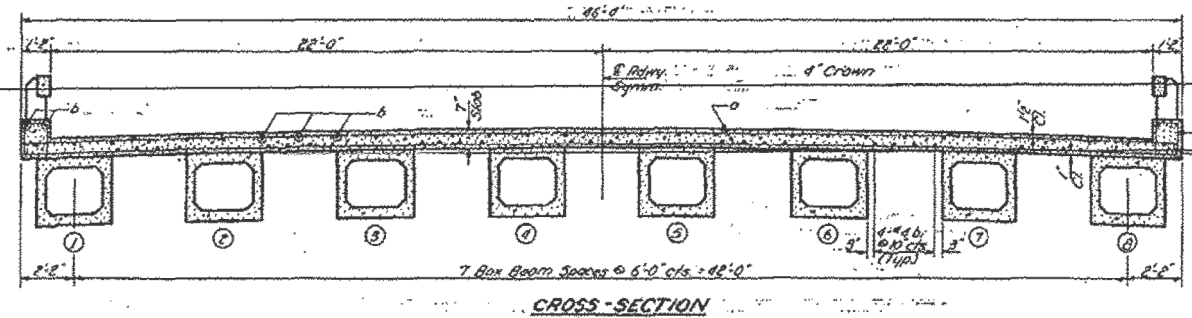
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
60	101B-1	81	8
SHEET NO. 8 10 SHEETS			



BILL OF MATERIAL

Bar	No.	Size	Length	Shape	Item	Unit	Quant.
a	144	#5	27'-9"	—	Class T Concrete	Cu Yds	77.0
a	42	#5	6'-0"	—	Reinforcement Bars	Lbs.	1680
a	18	#5	33'-6"	—	Handrail Concrete	Cu Yds	3.1
b	62	#5	30'-0"	—	Precast Prestressed Concrete Bridge Beams	Ln. Ft.	934'
b	60	#4	30'-0"	—	Structural Steel	Lbs.	2600
					Prefabricated W. Sealer	Ln. Ft.	93'
c	128	#4	3'-0"	—			
d	84	#5	3'-0"	—			
e	16	#5	29'-0"	—			
r	44	#4	2'-3"	—			
r	12	#6	2'-9"	—			
s	21	#4	7'-3"	—			
s	21	#4	11'-9"	—			
x	24	#5	5'-0"	—			



DESIGNED: *Walter Perry*  
 CHECKED: *John Asmuth*  
 DRAWN: *L. J. Worless*  
 EXAMINED: *Jan 31 1964*  
 PASSED: *H. G. Beaman*  
 APPROVED: *J. E. Pfeiffer*

SUPERSTRUCTURE  
S. B. T. RT. 89 - SEC. 101B-1  
WHITESIDE COUNTY  
STA. 7B + 50

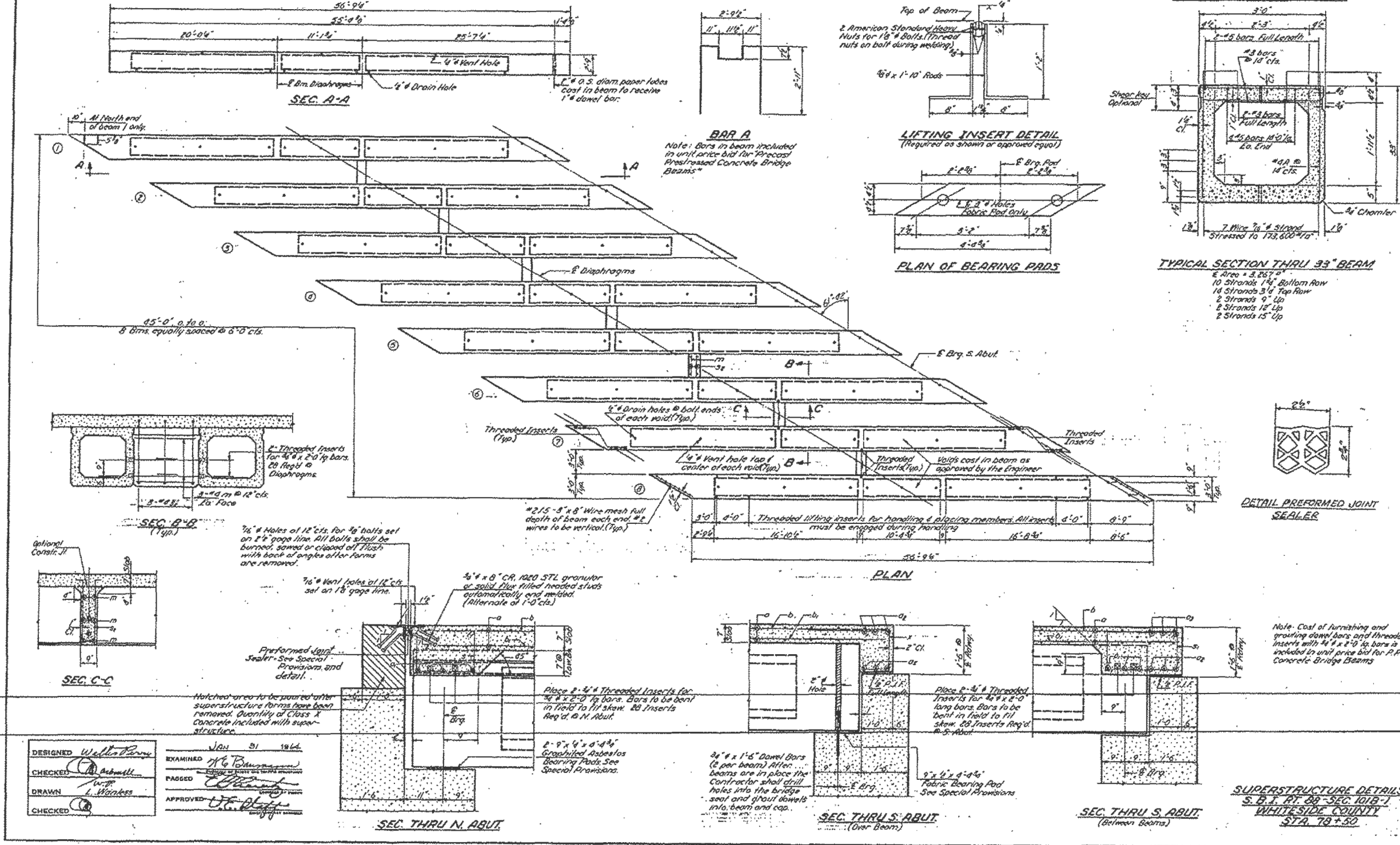
FOR INFORMATION ONLY

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STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
1018-1	WHITESIDE	51	9

SHEET NO. 5  
10 SHEETS



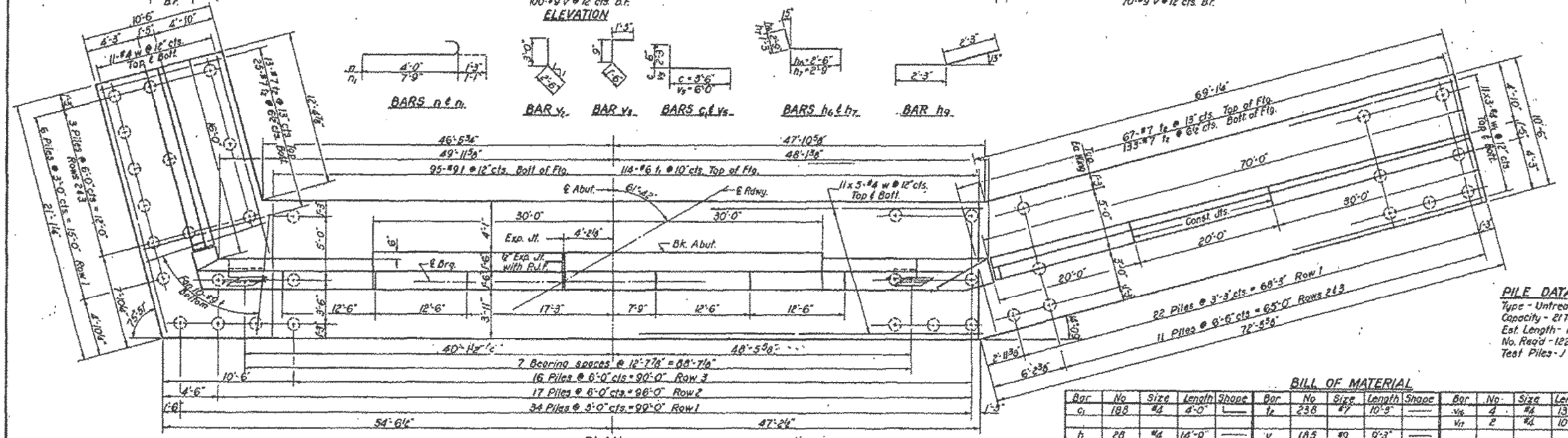
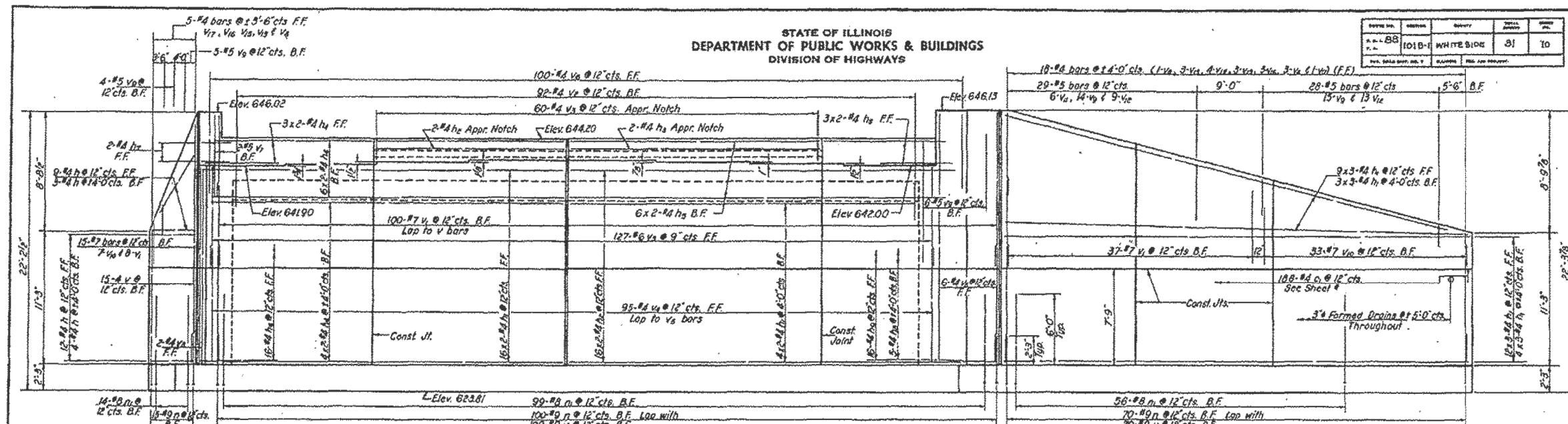
DESIGNED	Walter Perry	EXAMINED	JAN 31 1964
CHECKED	[Signature]	PASSED	[Signature]
DRAWN	[Signature]	APPROVED	[Signature]
CHECKED	[Signature]		

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FOR INFORMATION ONLY

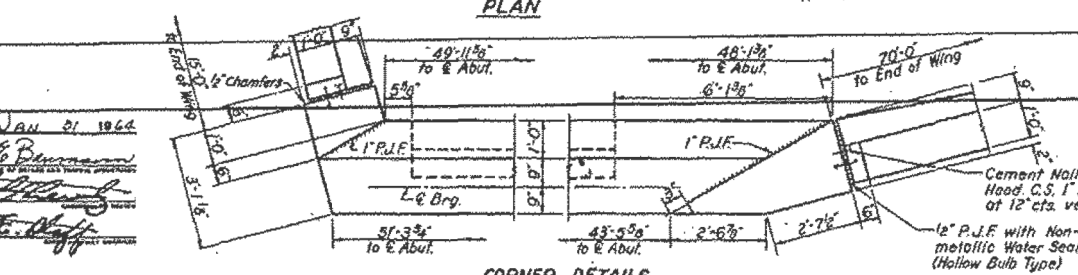
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DESIGN NO.	SECTION	SHEET NO.	TOTAL SHEETS
098-0015	101B-1	31	10



Note: Bars indicated thus 20x3-#5 etc. indicate 20 lines of bars with 3 lengths per line. Min. bar laps = 20 dia.

DESIGNED	W. J. Armstrong	EXAMINED	H. G. Brown
CHECKED	J. L. Armstrong	PASSED	J. L. Armstrong
DRAWN	J. L. Armstrong	APPROVED	J. L. Armstrong
CHECKED	J. L. Armstrong		



**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	Slope	Bar	No	Size	Length	Slope	Bar	No	Size	Length	Slope
c1	188	#4	4'-0"		1z	238	#7	10'-3"		v6	4	#4	13'-0"	
h	28	#4	14'-0"		v	185	#9	9'-3"		v7	2	#4	10'-9"	
h1	124	#4	24'-0"		v1	145	#7	7'-6"		w	182	#4	20'-9"	
h2	54	#4	23'-0"		v2	92	#4	5'-6"		w1	66	#4	24'-6"	
h3	2	#4	34'-0"		v3	60	#4	3'-6"		Class X Concrete Cu. Yds. 932.7				
h4	26	#4	23'-9"		v4	98	#4	11'-6"		Reinforcement Bars Lbs. 36,790				
h5	18	#4	26'-3"		v5	127	#6	8'-4"		Untreated Piles Lin. Ft. 1992				
h6	16	#4	5'-3"		v6	100	#4	3'-6"		Total Piles (Timber) Each 1				
h7	2	#4	4'-0"		v7	2	#5	6'-9"						
h8	5	#4	5'-9"		v8	10	#4	19'-6"						
h9	16	#4	4'-6"		v9	44	#5	5'-0"						
n	185	#9	5'-3"		v10	40	#7	3'-3"						
v	169	#8	8'-10"		v11	6	#5	5'-9"						
w	95	#9	10'-0"		v12	22	#5	3'-0"						
w1	114	#6	10'-9"		v13	4	#4	18'-0"						
					v14	4	#4	16'-3"						
					v15	4	#4	14'-6"						

**SOUTH ABUTMENT**  
S.B.I. RT. 66 (FA.40) SEC. 101B-1  
WHITESIDE COUNTY  
STA. 78+50

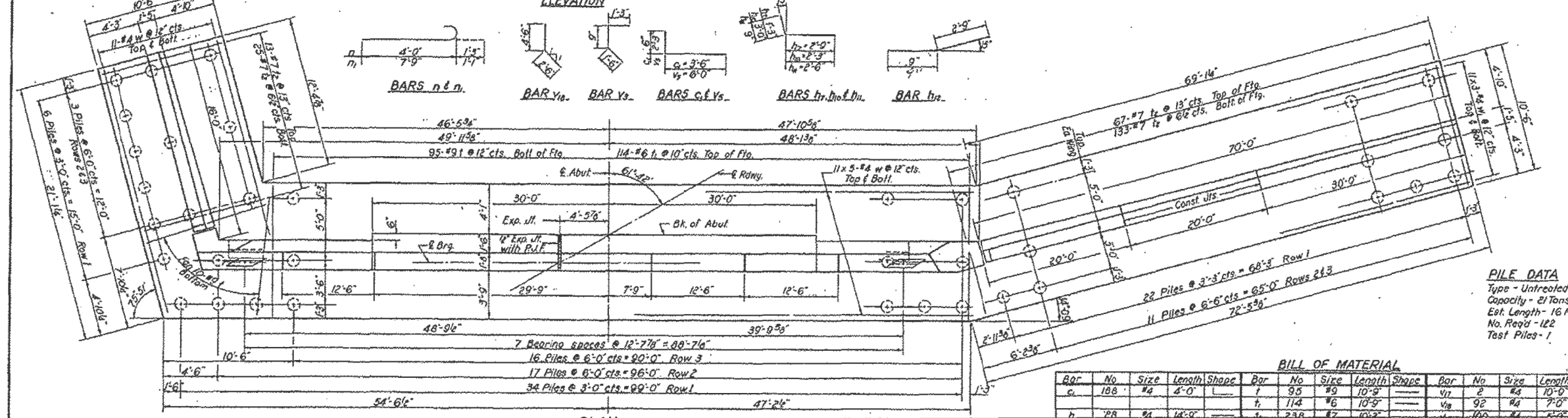
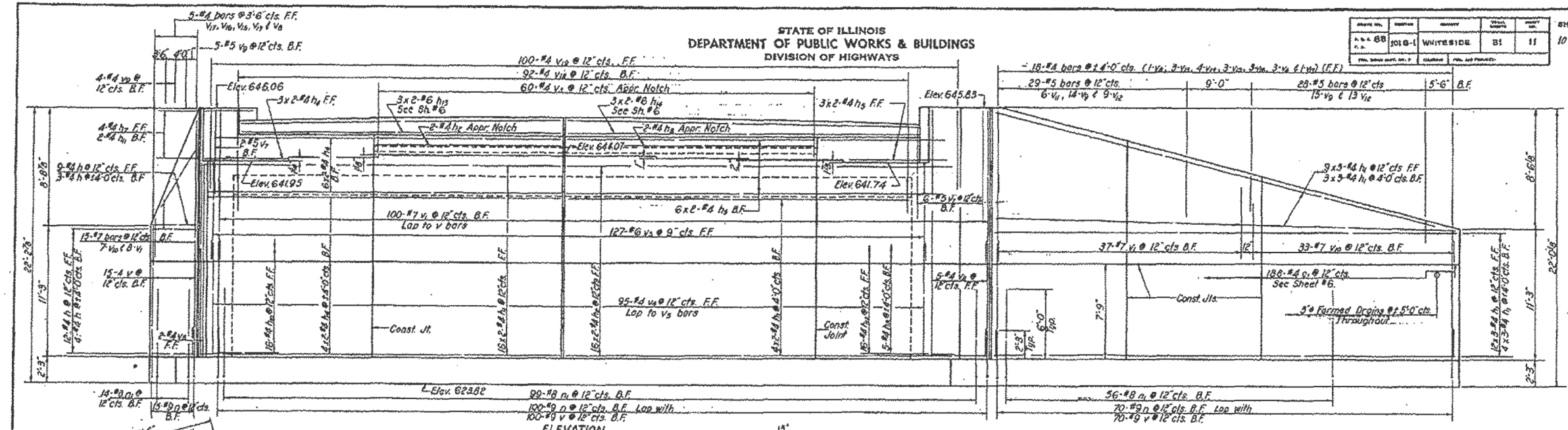
FOR INFORMATION ONLY

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STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
1018-1	WHITE SIDE	11	10 SHEETS

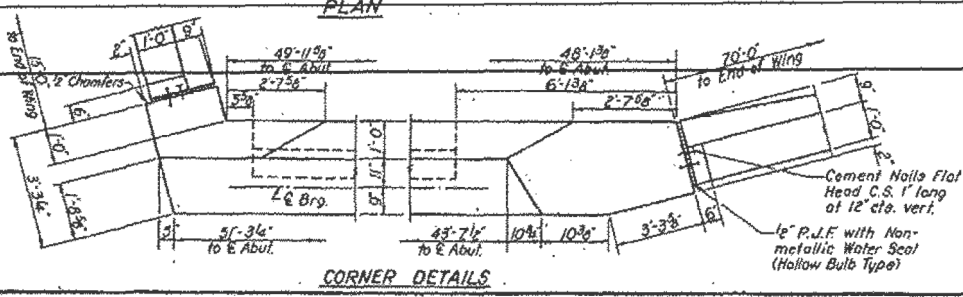


Note: Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.  
Min. bar laps = 20 dia.

DESIGNED *Walter Perry*  
CHECKED *John Caswell*  
DRAWN *J.L. Armstrong*  
APPROVED *C.E. [Signature]*

EXAMINED *H. [Signature]*  
PASSED *[Signature]*

JAN 31 1964



**PILE DATA**  
Type - Untreated  
Capacity - 21 Tons  
Est. Length - 16 Ft.  
No. Reqd - 122  
Test Piles - 1

22 Piles @ 3'-3" cts = 68'-5" Row 1  
11 Piles @ 6'-6" cts = 65'-0" Rows 2 & 3

BILL OF MATERIAL														
Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape	Bar	No	Size	Length	Shape
a	188	#4	4'-0"		f	95	#9	10'-9"		v	2	#4	10'-0"	
h	28	#4	14'-0"		t	114	#6	10'-9"		v	92	#4	7'-0"	
h	124	#4	24'-0"		u	238	#7	10'-9"		w	160	#4	5'-0"	
h	34	#4	25'-3"		v	185	#9	9'-3"		w	132	#4	20'-9"	
h	2	#4	34'-0"		v	145	#7	7'-6"		w	66	#4	24'-6"	
h	5	#4	5'-6"		v	60	#4	8'-6"		Class X Concrete			Cu Yds	3328
h	18	#4	26'-3"		v	93	#8	11'-6"		Reinforcement Bars			Lbs.	37380
h	4	#4	4'-0"		v	127	#6	8'-8"		Untreated Piles			Lin Ft.	1952
h	16	#4	5'-3"		v	8	#5	8'-9"		Test Piles (Timber)			Each	7
h	2	#4	3'-5"		v	38	#5	5'-0"						
h	16	#4	3'-5"		v	40	#7	3'-3"						
h	6	#6	22'-6"		v	6	#5	5'-9"						
h	6	#6	25'-6"		v	22	#5	3'-0"						
n	165	#9	5'-3"		v	4	#4	18'-0"						
n	169	#8	8'-10"		v	4	#4	14'-6"						
					v	4	#4	13'-0"						

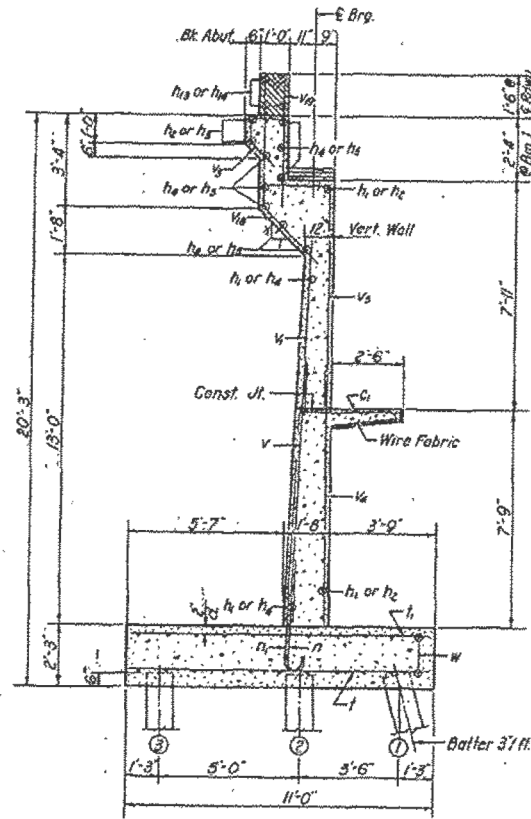
**NORTH ABUTMENT**  
S.B.I. RT. 86 (FA.40) SEC. 1018-1  
WHITESIDE COUNTY  
STA. 78+50

FOR INFORMATION ONLY

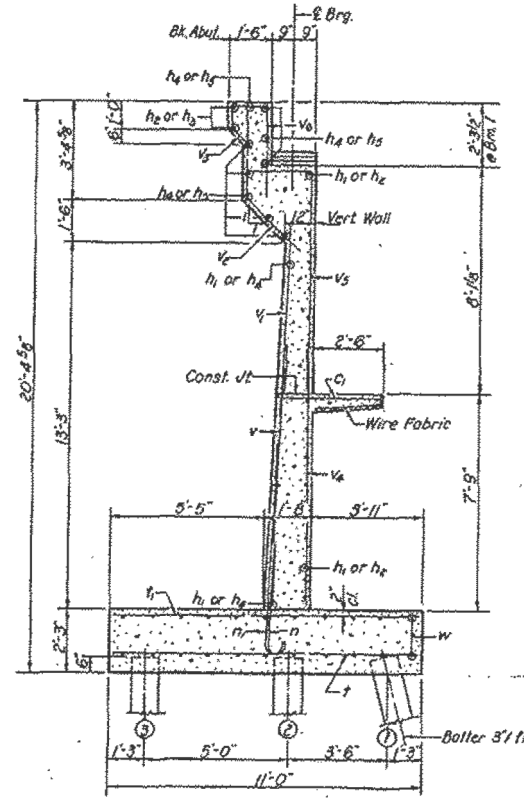
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STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

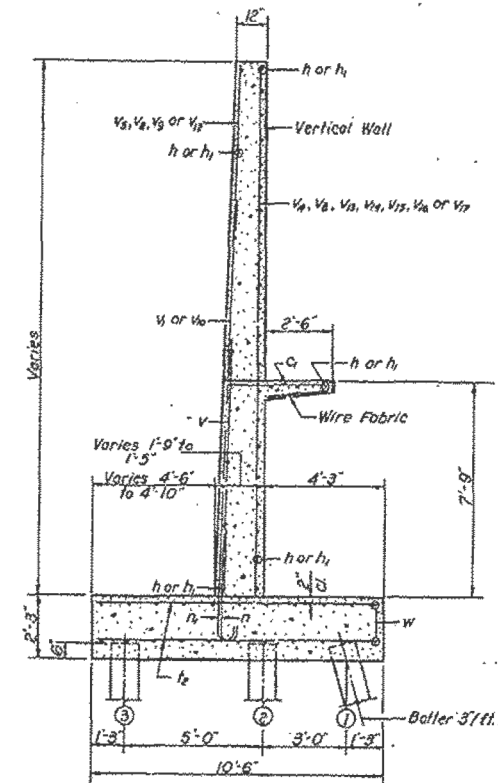
DESIGN NO.	SECTION	QUANTITY	TOTAL SHEETS	SHEET NO.
68	(D10-1)	WHITE SIDE	31	12
SHEET NO. 6 10 SHEETS				



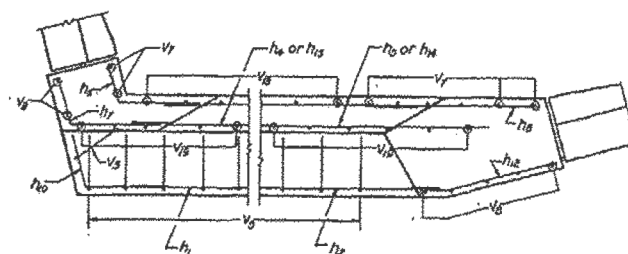
SECTION THRU N. ABUT.



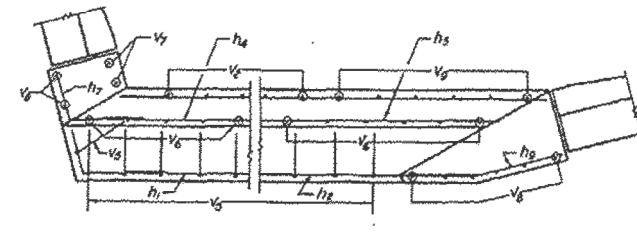
SECTION THRU S. ABUT.



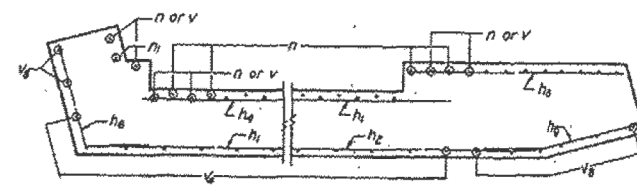
SECTION THRU WINGS



CORNER REINF.  
Top N. Abut.



CORNER REINF.  
(Top S. Abut.)



CORNER REINF.  
(Bottom)

DESIGNED	Walter Perry	EXAMINED	JAN 01 1966
CHECKED	[Signature]	PASSED	[Signature]
DRAWN	J.L. Armstrong	APPROVED	[Signature]
CHECKED	[Signature]		

Note: All bars shall have 1/2" clearance except as noted. Pour sidewalk monolithically with stem.

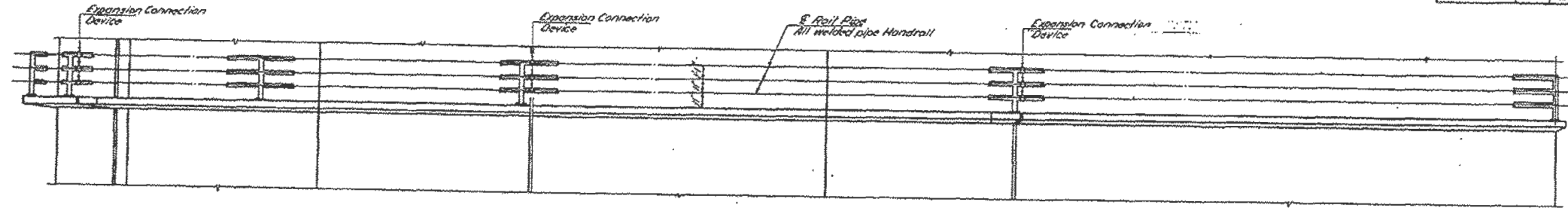
ABUTMENT DETAILS  
S.B.I. RT. 88 (FA.40) SEC. 1018-1  
WHITESIDE COUNTY  
STA. 78+50

FOR INFORMATION ONLY

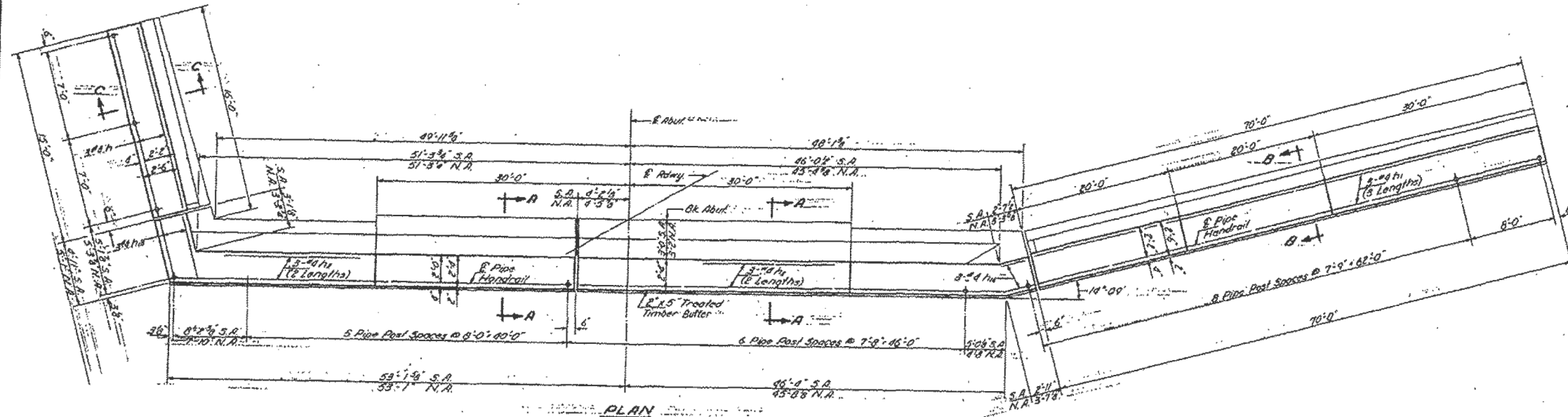
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STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64C17	101B-1	WHITESIDE	13	10
10 SHEETS				



ELEVATION

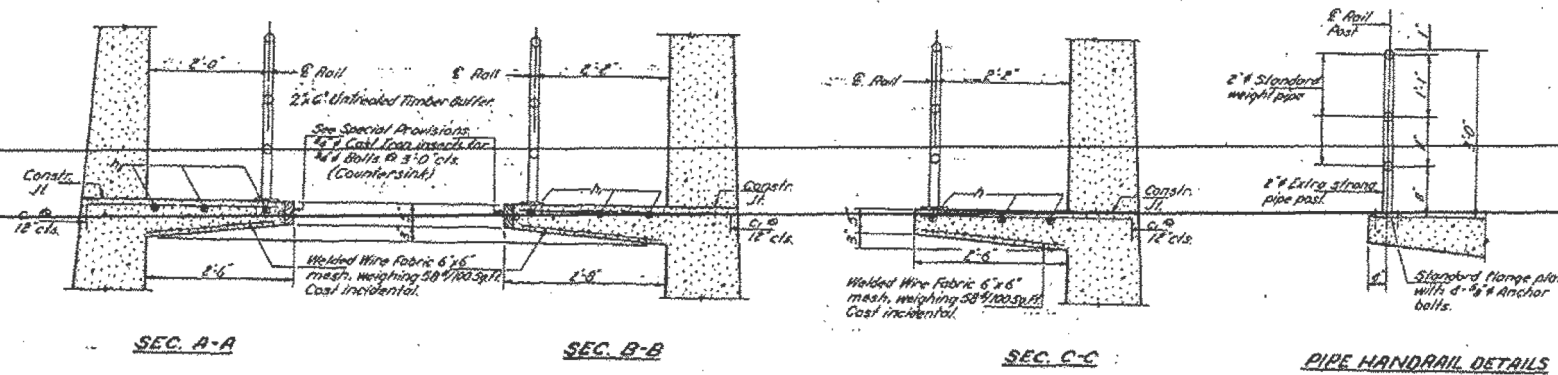


PLAN

BILL OF MATERIAL

Bar No.	Size	Length	Shape
F1	#6	14'-5"	---
F2	#6	28'-0"	---
F3	#4	25'-3"	---
F4	#4	8'-6"	---
F5	#4	2'-0"	---
Class II Concrete			Cu. Yds. 18.4
Reinforcement Bars			Lbs. 780
Pipe Handrail			Lin. Ft. 380

Note: c. bar billed in Abutment bill of material.



DESIGNED	Walt Perry
CHECKED	[Signature]
DRAWN	L. Worless
CHECKED	[Signature]

EXAMINED	[Signature]
PASSED	[Signature]
APPROVED	[Signature]

JAN 31 1966

SIDEWALK & PIPE HANDRAIL  
S. B. I. RT. 88 - SEC. 101B-1  
WHITESIDE COUNTY  
S.T.A. 78+50

FOR INFORMATION ONLY

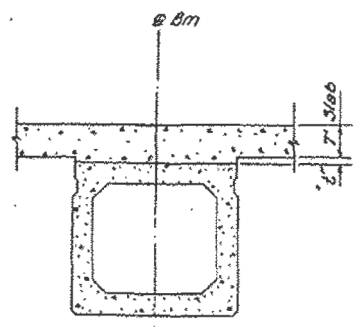
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STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
88	101B-1	WHITESIDE	130	14

10 SHEETS

Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. N. Abut	7778.009	21.000	645.137	645.137
	7780.192	15.000	645.301	645.301
	7801.235	9.000	645.455	645.455
	7812.438	3.000	645.551	645.551
	7818.510	0.000	645.574	645.574
E. Brg N. Abut	7823.582	3.000	645.581	645.581
	7834.723	9.000	645.546	645.546
	7843.588	15.000	645.454	645.454
	7852.511	21.000	645.321	645.321
	7864.106	21.000	645.155	645.155
BK. N. Abut	7865.248	15.000	645.218	645.218
	7866.393	9.000	645.470	645.470
	7877.536	3.000	645.565	645.565
	7882.109	0.000	645.588	645.588
	7889.579	3.000	645.525	645.525
E. Brg S. Abut	7899.822	9.000	645.558	645.558
	7900.965	15.000	645.162	645.162
	7902.109	21.000	645.360	645.360
	7914.106	21.000	645.190	645.190
	7925.249	15.000	645.353	645.353
BK. N. Abut	7926.393	9.000	645.455	645.455
	7937.536	3.000	645.591	645.591
	7943.510	0.000	645.613	645.613
	7952.109	3.000	645.578	645.578
	7959.822	9.000	645.493	645.493
E. Brg S. Abut	7972.109	21.000	645.370	645.370
	7984.106	21.000	645.221	645.221
	7985.249	15.000	645.378	645.378
	7986.393	9.000	645.525	645.525
	7987.536	3.000	645.615	645.615
BK. N. Abut	7993.108	0.000	645.636	645.636
	7994.279	3.000	645.640	645.640
	7999.822	9.000	645.598	645.598
	8000.965	15.000	645.393	645.393
	8002.109	21.000	645.390	645.411
E. Brg S. Abut	8014.106	21.000	645.261	645.274
	8025.249	15.000	645.406	645.429
	8036.393	9.000	645.550	645.574
	8047.536	3.000	645.632	645.661
	8052.108	0.000	645.656	645.679
BK. N. Abut	8058.679	3.000	645.658	645.682
	8069.822	9.000	645.615	645.630
	8080.965	15.000	645.513	645.537
	8082.109	21.000	645.401	645.425
	8094.106	21.000	645.278	645.296
E. Brg S. Abut	8095.249	15.000	645.431	645.448
	8106.393	9.000	645.572	645.591
	8117.536	3.000	645.657	645.675
	8123.108	0.000	645.674	645.692
	8128.679	3.000	645.625	645.644
BK. N. Abut	8139.822	9.000	645.620	645.647
	8150.965	15.000	645.525	645.543
	8152.109	21.000	645.410	645.429
	8164.106	21.000	645.312	645.312
	8175.249	15.000	645.461	645.461
E. Brg S. Abut	8186.393	9.000	645.599	645.599
	8197.536	3.000	645.680	645.690
	8208.679	0.000	645.692	645.692
	8219.822	9.000	645.650	645.650
	8230.965	15.000	645.545	645.545
BK. N. Abut	8241.109	21.000	645.432	645.432
	8252.249	15.000	645.470	645.470
	8263.393	9.000	645.607	645.607
	8274.536	3.000	645.686	645.686
	8285.679	0.000	645.700	645.700
E. Brg S. Abut	8296.822	9.000	645.649	645.649
	8307.965	15.000	645.544	645.544
	8318.109	21.000	645.421	645.421



**METHOD OF DETERMINING FILLET HEIGHTS "e"**  
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.

Station	Offset	Ground Surface	Augred 4' to 600' Auger Boring on Level - west side of canal.	Soils	Water El. at Completion	Notes
7778.009	21.000	645.137				
7780.192	15.000	645.301				
7801.235	9.000	645.455				
7812.438	3.000	645.551				
7818.510	0.000	645.574				
7823.582	3.000	645.581				
7834.723	9.000	645.546				
7843.588	15.000	645.454				
7852.511	21.000	645.321				
7864.106	21.000	645.155				
7865.248	15.000	645.218				
7866.393	9.000	645.470				
7877.536	3.000	645.565				
7882.109	0.000	645.588				
7889.579	3.000	645.525				
7899.822	9.000	645.558				
7900.965	15.000	645.162				
7902.109	21.000	645.360				
7914.106	21.000	645.190				
7925.249	15.000	645.353				
7926.393	9.000	645.455				
7937.536	3.000	645.591				
7943.510	0.000	645.613				
7952.109	3.000	645.578				
7959.822	9.000	645.493				
7972.109	21.000	645.370				
7984.106	21.000	645.221				
7985.249	15.000	645.378				
7986.393	9.000	645.525				
7987.536	3.000	645.615				
7993.108	0.000	645.636				
7994.279	3.000	645.640				
7999.822	9.000	645.598				
8000.965	15.000	645.393				
8002.109	21.000	645.390				
8014.106	21.000	645.261				
8025.249	15.000	645.406				
8036.393	9.000	645.550				
8047.536	3.000	645.632				
8052.108	0.000	645.656				
8058.679	3.000	645.658				
8069.822	9.000	645.615				
8080.965	15.000	645.513				
8082.109	21.000	645.401				
8094.106	21.000	645.278				
8095.249	15.000	645.431				
8106.393	9.000	645.572				
8117.536	3.000	645.657				
8123.108	0.000	645.674				
8128.679	3.000	645.625				
8139.822	9.000	645.620				
8150.965	15.000	645.525				
8152.109	21.000	645.410				
8164.106	21.000	645.312				
8175.249	15.000	645.461				
8186.393	9.000	645.599				
8197.536	3.000	645.680				
8208.679	0.000	645.692				
8219.822	9.000	645.650				
8230.965	15.000	645.545				
8241.109	21.000	645.432				
8252.249	15.000	645.470				
8263.393	9.000	645.607				
8274.536	3.000	645.686				
8285.679	0.000	645.700				
8296.822	9.000	645.649				
8307.965	15.000	645.544				
8318.109	21.000	645.421				

DESIGNED *Walter Perry*  
CHECKED *W.P.*  
DRAWN *W.P.*  
CHECKED *W.P.*

EXAMINED *W.C. Blum*  
PASSED *W.C. Blum*  
APPROVED *U.C. Bluff*

Jan 31 1964

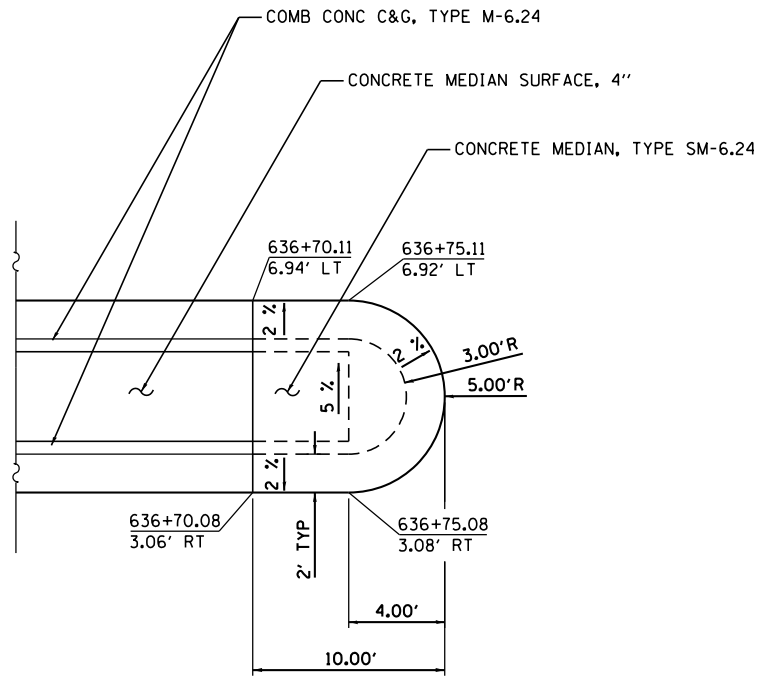
N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".  
C<sub>u</sub> - Unconfined Compressive Strength - 1/4"  
w - Water Content - percentage of oven dry weight - %  
Type failure:  
B - Bulge Failure  
S - Shear Failure  
E - Enclosed Value

DECK ELEVATIONS & BORINGS  
SBI RT 88 SEC. 101B-1  
WHITESIDE COUNTY  
STATION 78150

FOR INFORMATION ONLY

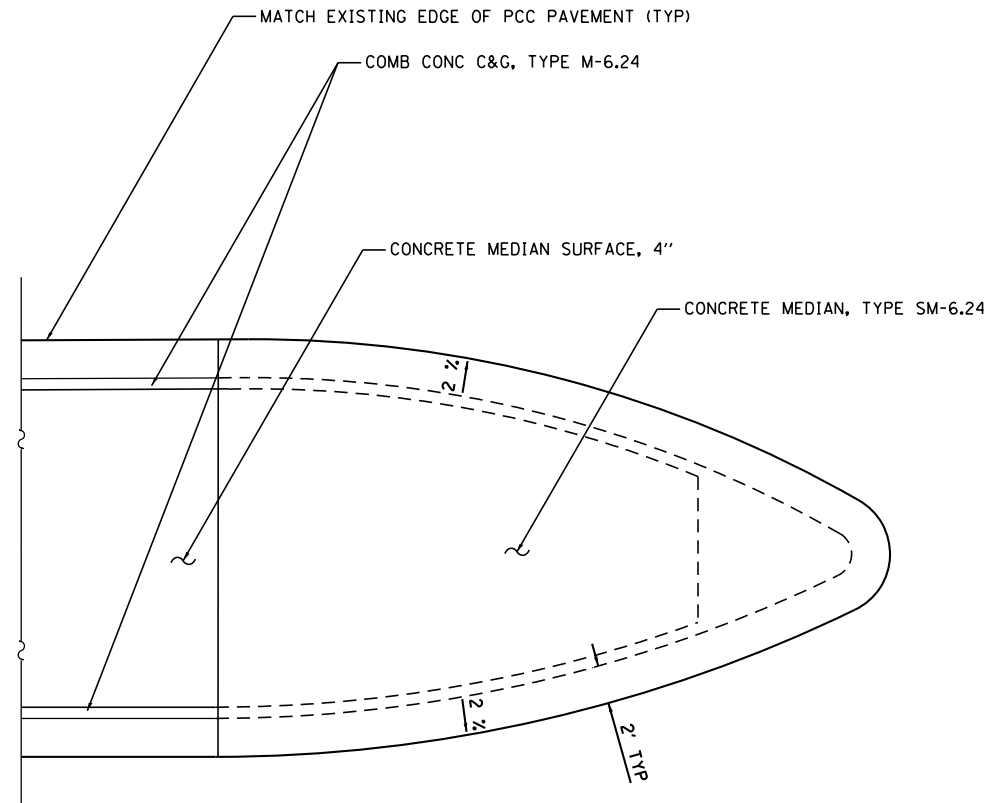
FILE NAME = s:\p\l\g\300-6399\6346\025\Micro\Struct\Struct\Plans\0980015-64C17-934-EPLANS.dgn





PLAN

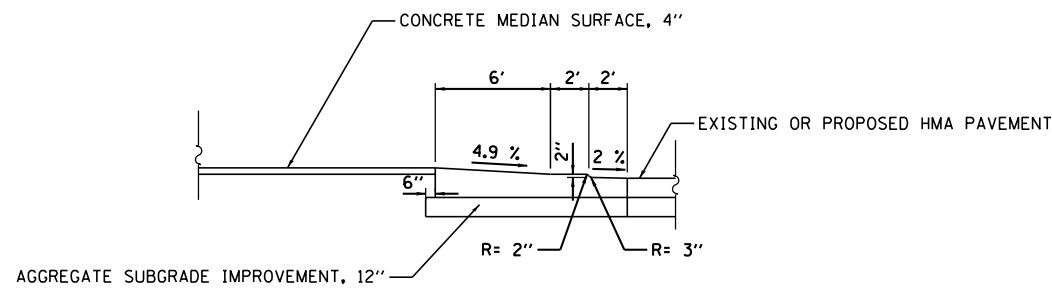
**MEDIAN DETAIL**  
NOT TO SCALE



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:\p\16380--6395\6346\025\micro\Sh\0264C17-sht-detail1.dgn



USER NAME = brianf	DESIGNED - VLF	REVISED -
	DRAWN - BJF	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MAG	REVISED -
PLOT DATE = 8/14/2014	DATE - 8-14-14	REVISED -

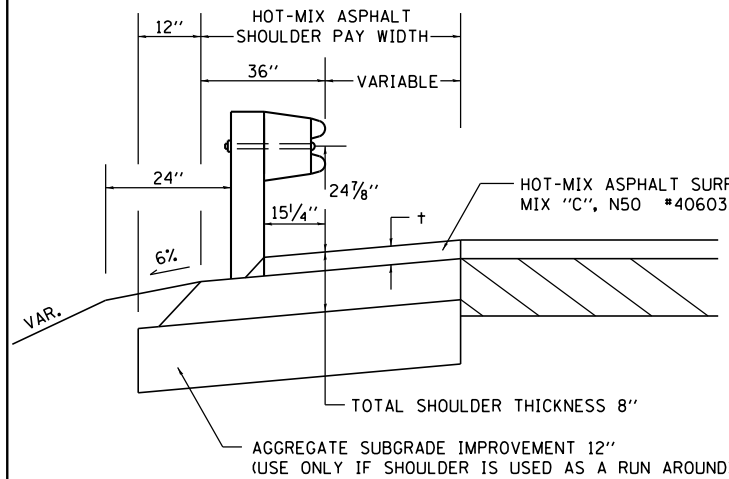
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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	130	109
FED. ROAD DIST. NO. 2   ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C17	

# 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.

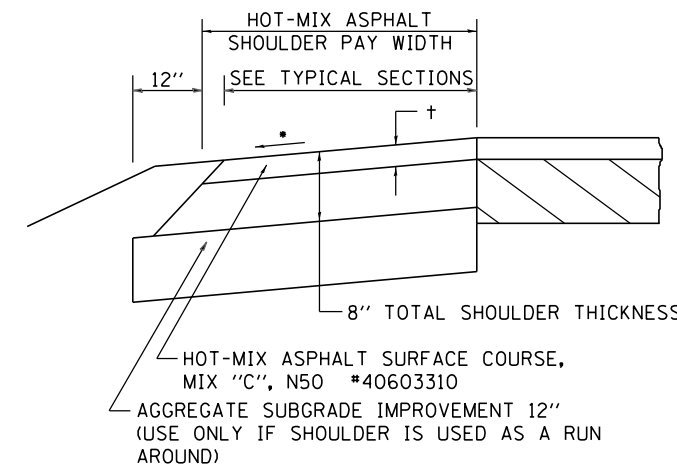
THE HEIGHT OF THE GUARD RAIL SHALL BE SET 24 7/8" FROM THE FINISHED SURFACE.

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 - 3-13-13

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

# HOT-MIX ASPHALT SHOULDER



### 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.

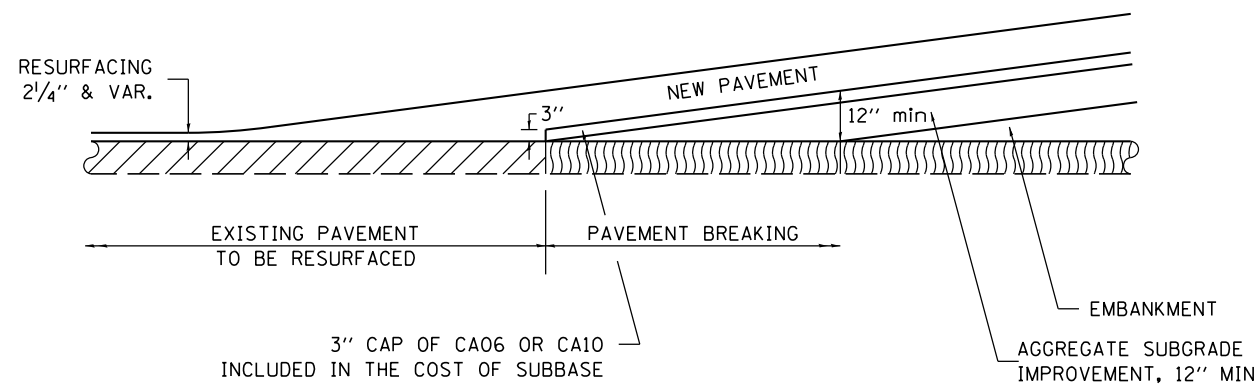
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 23.4a

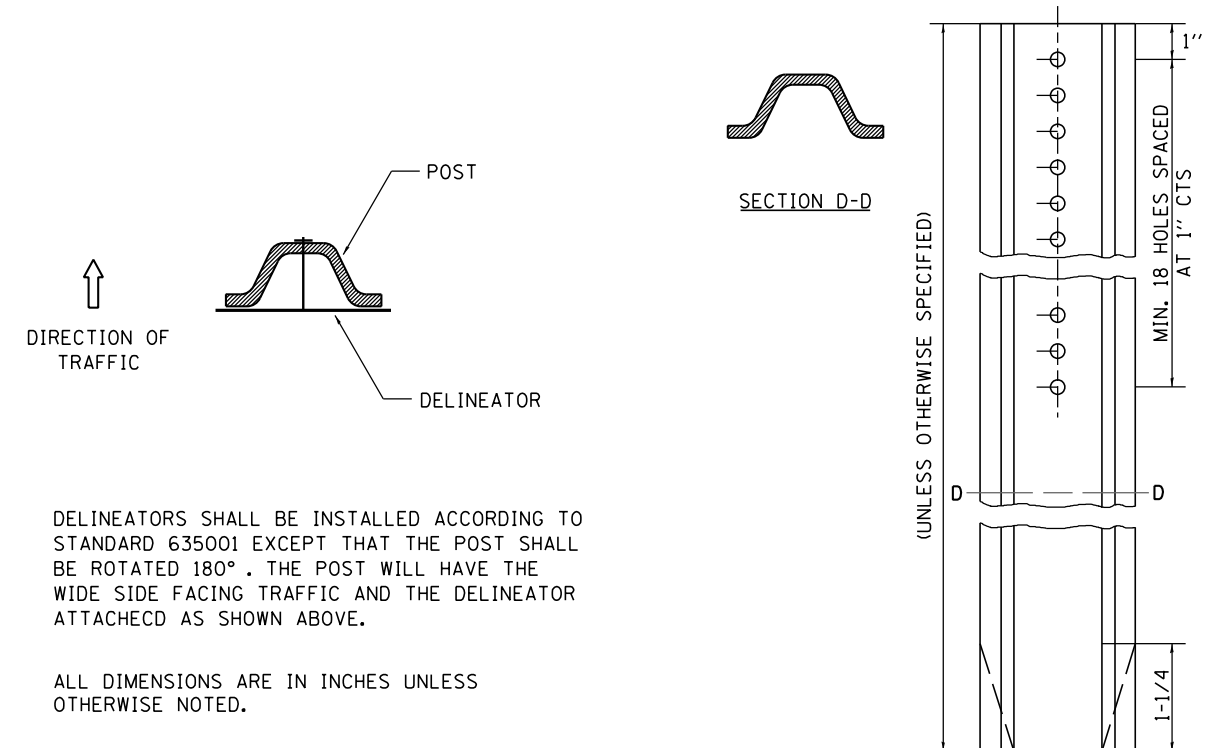
# PAVEMENT BREAKING DETAIL



REVISED - 3-19-13

PAVEMENT BREAKING DETAIL 24.4

# DELINEATOR AND POST



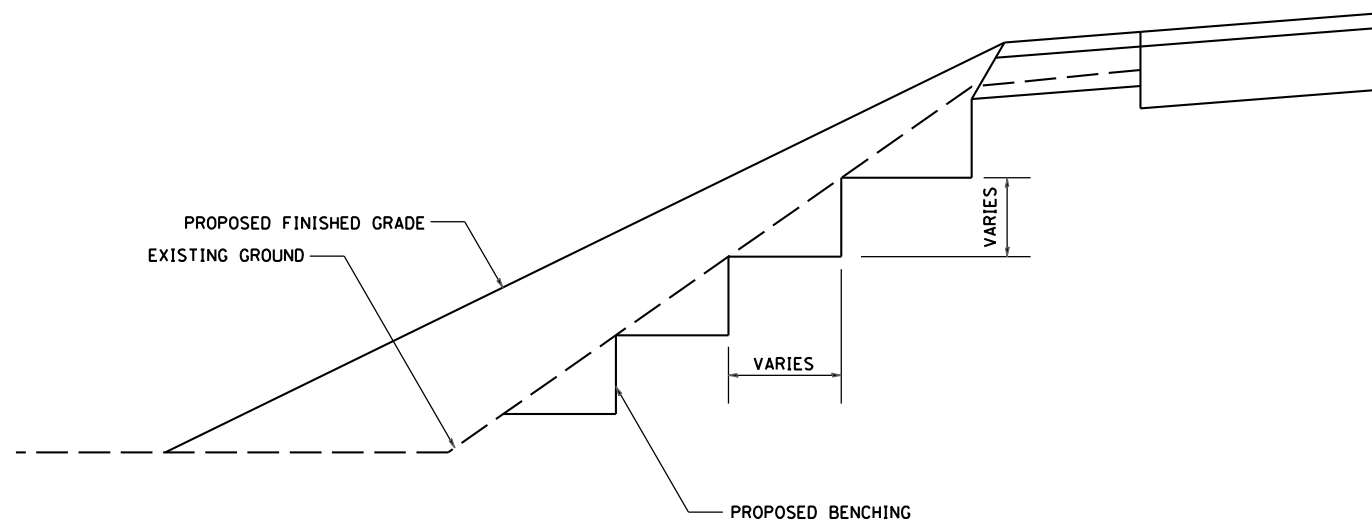
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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 -	SCALE: 2:0000' / in.	SHEET NO. OF SHEETS STA. TO STA.	646	101 BR-3	WHITESIDE	130	110
REVISED -					CONTRACT NO. 64C17		
REVISED -			FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT				

PLOT DATE = 8/14/2014

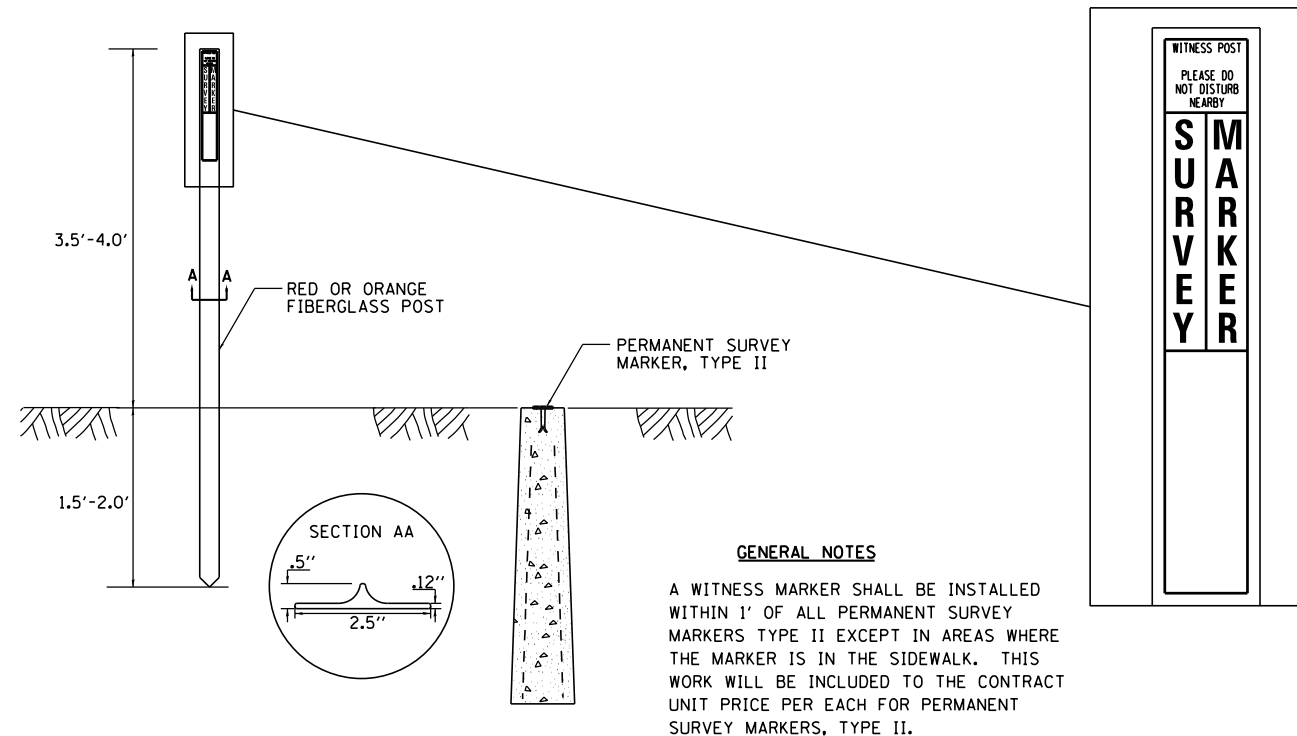
# TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT



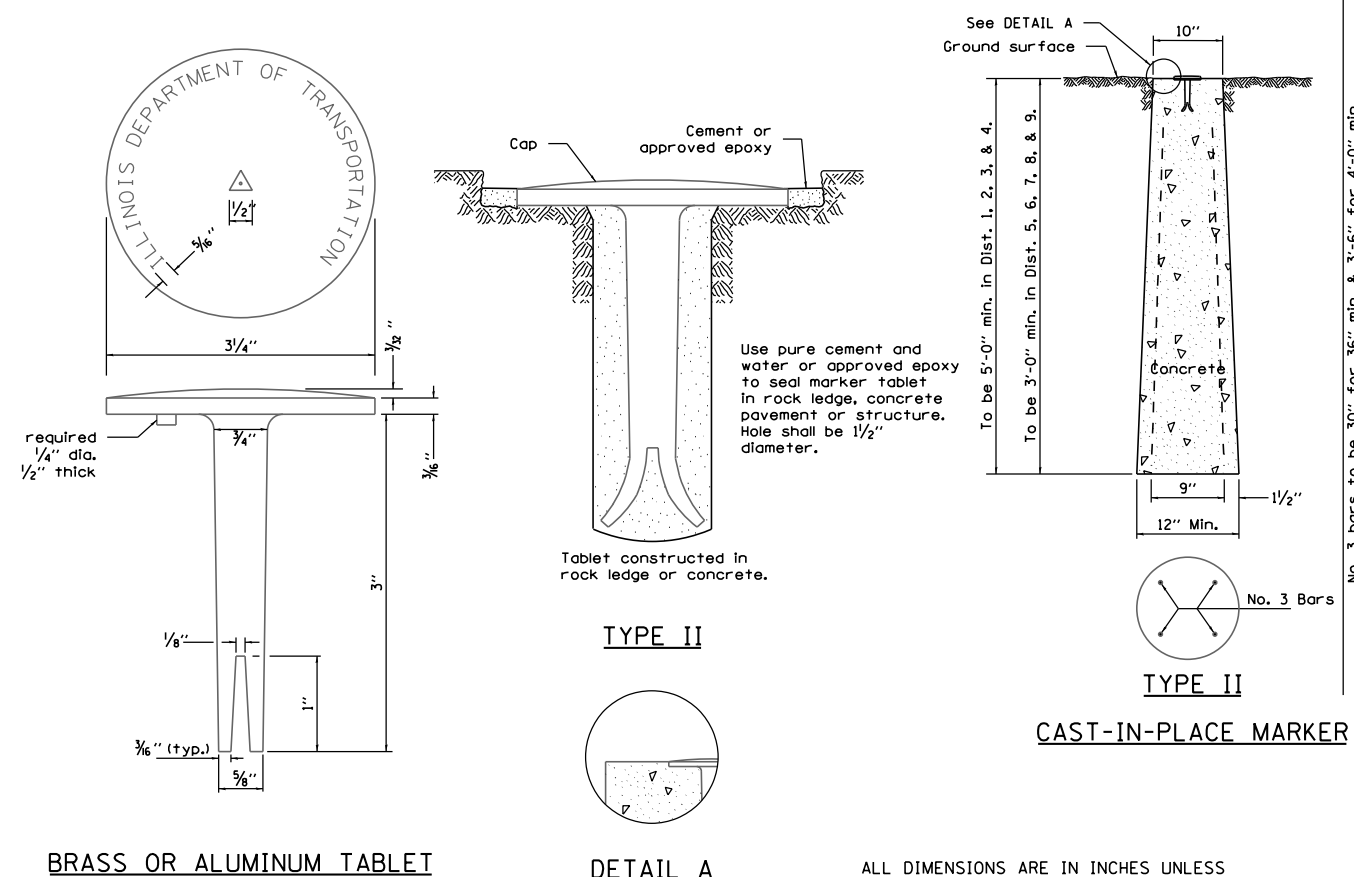
REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



# PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

DETAIL A

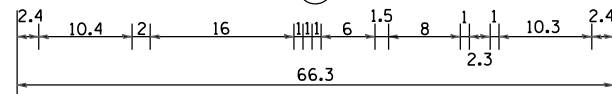
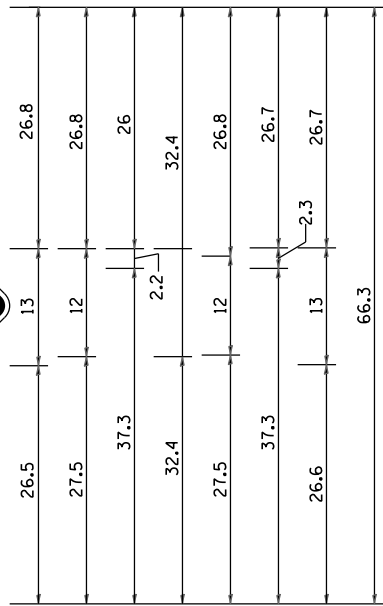
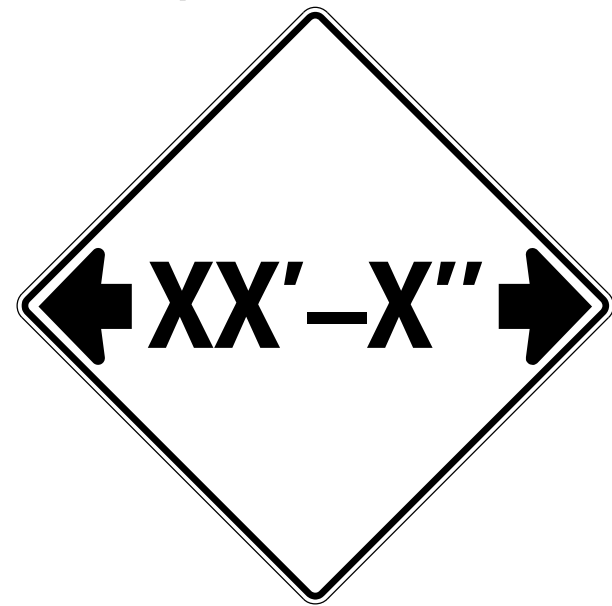
CAST-IN-PLACE MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

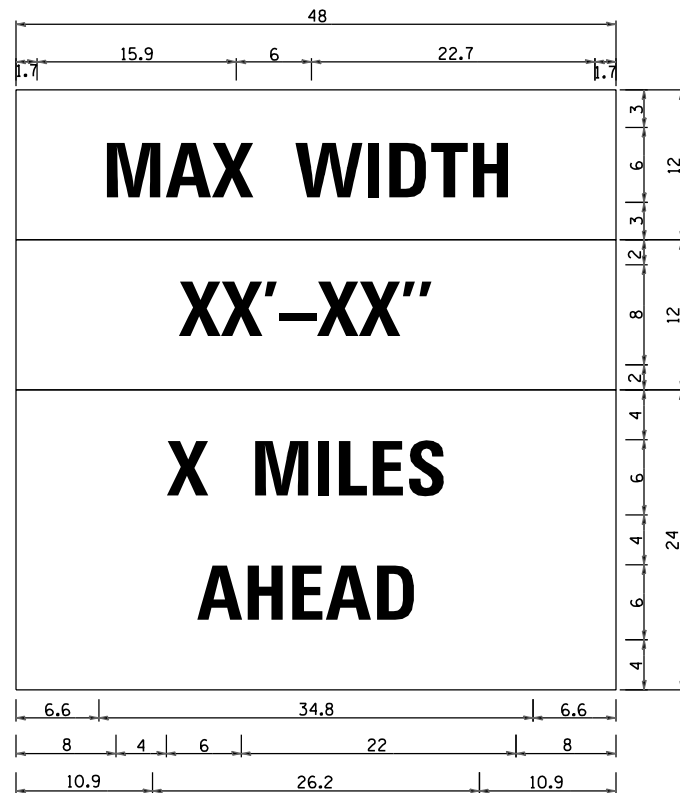
REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
REVISED -	SCALE: 2.0000' / in.	SHEET NO.	OF SHEETS	STA.	TO STA.	646	101 BR-3	WHITESIDE	130	111
REVISED -						CONTRACT NO. 64C17				
REVISED -						FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT				

PLOT DATE = 8/14/2014

# 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°



W12-1103 (Width is 8D);  
 No border, Black on White;  
 [MAX WIDTH] D;

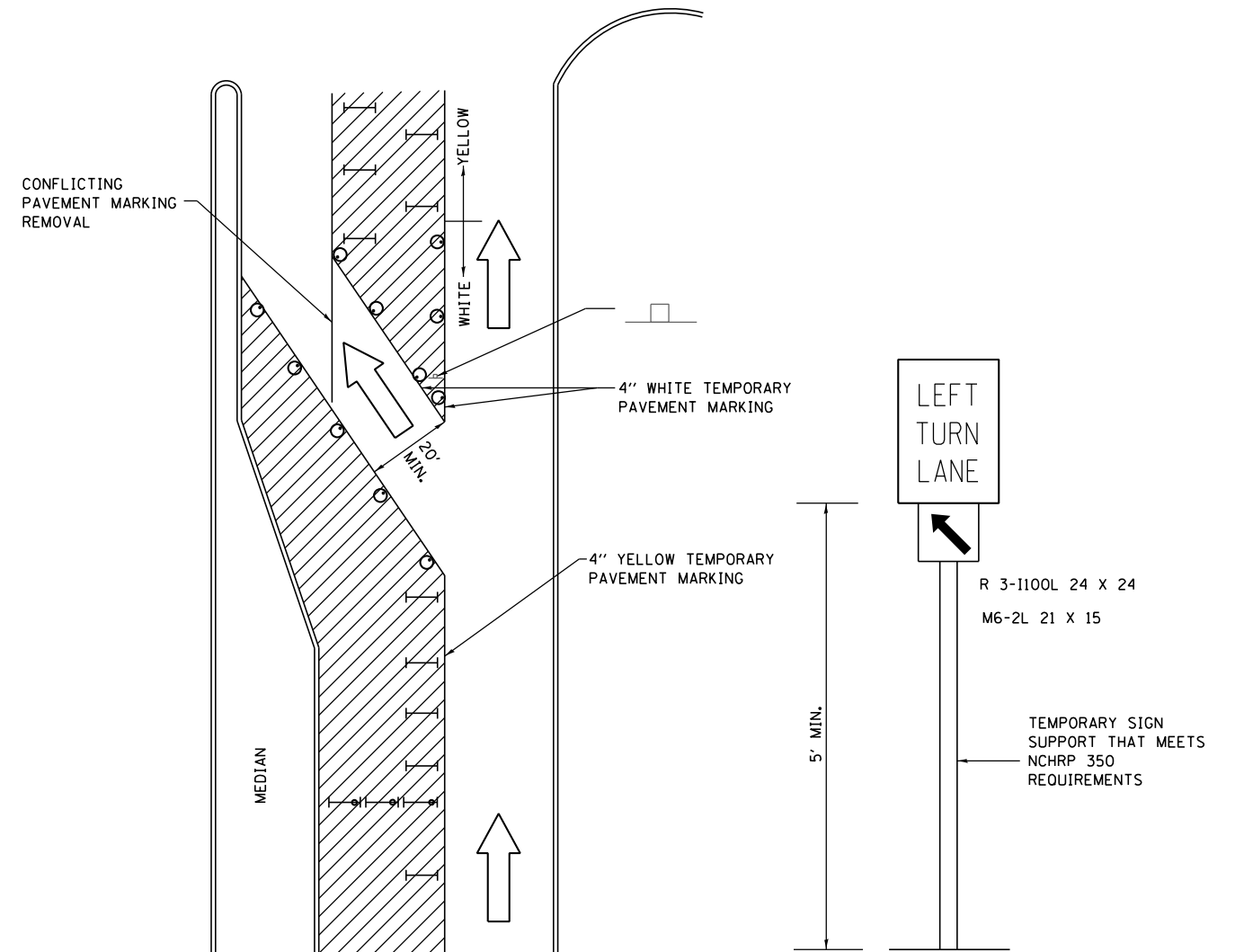
No border, Black on Orange;  
 [XX'-XX''] D;

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.

# 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 - 5-15-09

## INFORMATIONAL WARNING SIGNS (FOR NARROW TRAVEL LANES) 39.2

REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -					646	101 BR-3	WHITESIDE	130	112
REVISED -					CONTRACT NO. 64C17				
REVISED -	SCALE: 2,000' = 1" / in.	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

## TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) 94.2



# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 1

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



G20-I103(0)-3660

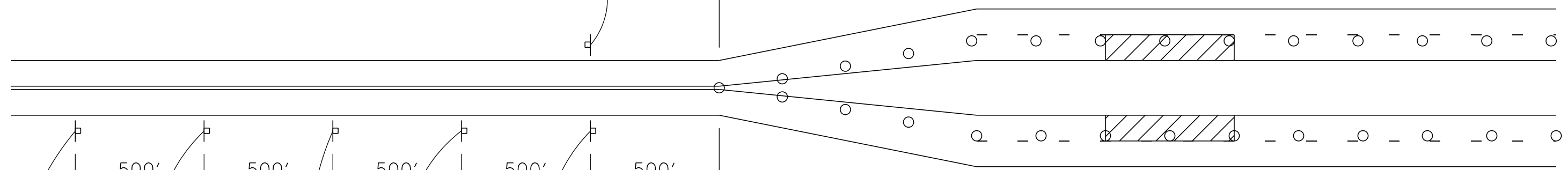
DRUMS OR BARRICADES  
@ 50' CENTERS

L (2)

DRUMS OR BARRICADES  
@ 50' CENTERS

L (2)

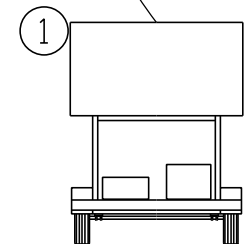
SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



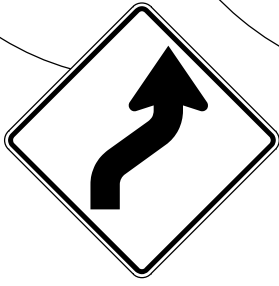
WORK ZONE PUBLIC  
INFORMATION SIGN



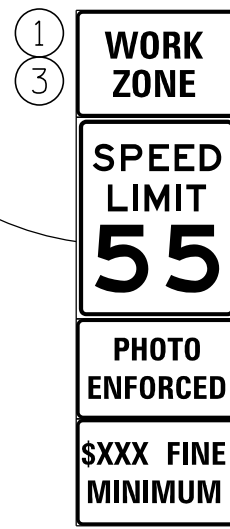
W20-1(0)-48



PORTABLE CHANGEABLE  
MESSAGE SIGN



\* W1-4R



W2-I115(0)-3618

R2-1-3648

R10-I108p-3618

R2-I106-3618

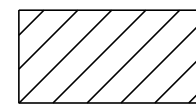
### GENERAL NOTES

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.

○ 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"

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
st\joi\6300--6399\6346\025\micros\Sh\0264C17-sht-districtdetails.dgn		DRAWN -	REVISED -					646	101 BR-3	WHITESIDE	130	113
PLOT SCALE = 2.0000' / in.		CHECKED -	REVISED -					CONTRACT NO. 64C17				
PLOT DATE = 8/14/2014		DATE -	REVISED -					FED. ROAD DIST. NO. 2 [ILLINOIS] FED. AID PROJECT				

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 2

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



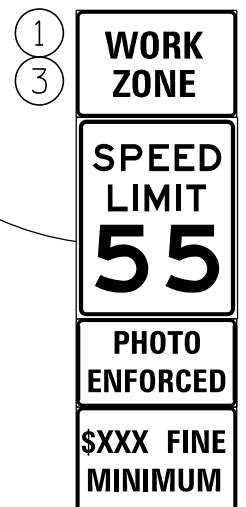
G20-I103(0)-3660

DRUMS OR BARRICADES  
@ 50' CENTERS

L (2)

DRUMS OR BARRICADES  
@ 50' CENTERS

SIGNS, DEVICES & FLAGGERS  
ACCORDING TO APPLICABLE  
TRAFFIC CONTROL STANDARDS



W2-I115(0)-3618

R2-1-3648

R10-I108p-3618

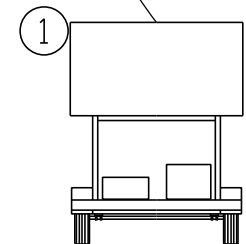
R2-I106-3618

WORK ZONE PUBLIC  
INFORMATION SIGN



W20-1(0)-48

PORTABLE CHANGEABLE  
MESSAGE SIGN



### 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.

○ DRUMS OR BARRICADES

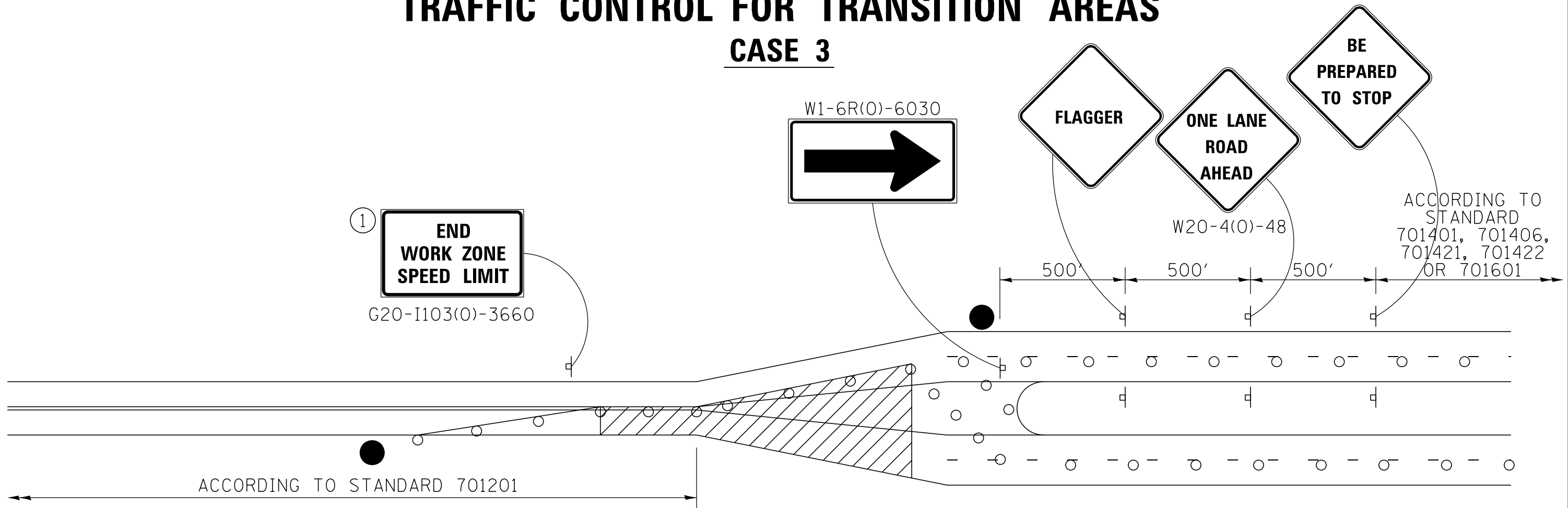
▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306  
SHALL NOT BE USED WITHIN 500 FEET  
OF THE TRANSITION.

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
st\joi\6300--6399\6346\025\micros\Sh\0264C17-sht-districtdetails.dgn		DRAWN -	REVISED -					646	101 BR-3	WHITESIDE	130	114
PLOT SCALE = 2.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64C17				
PLOT DATE = 8/14/2014		DATE -	REVISED -		FED. ROAD DIST. NO. 2 [ILLINOIS] FED. AID PROJECT							

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 3



### 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.

● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES

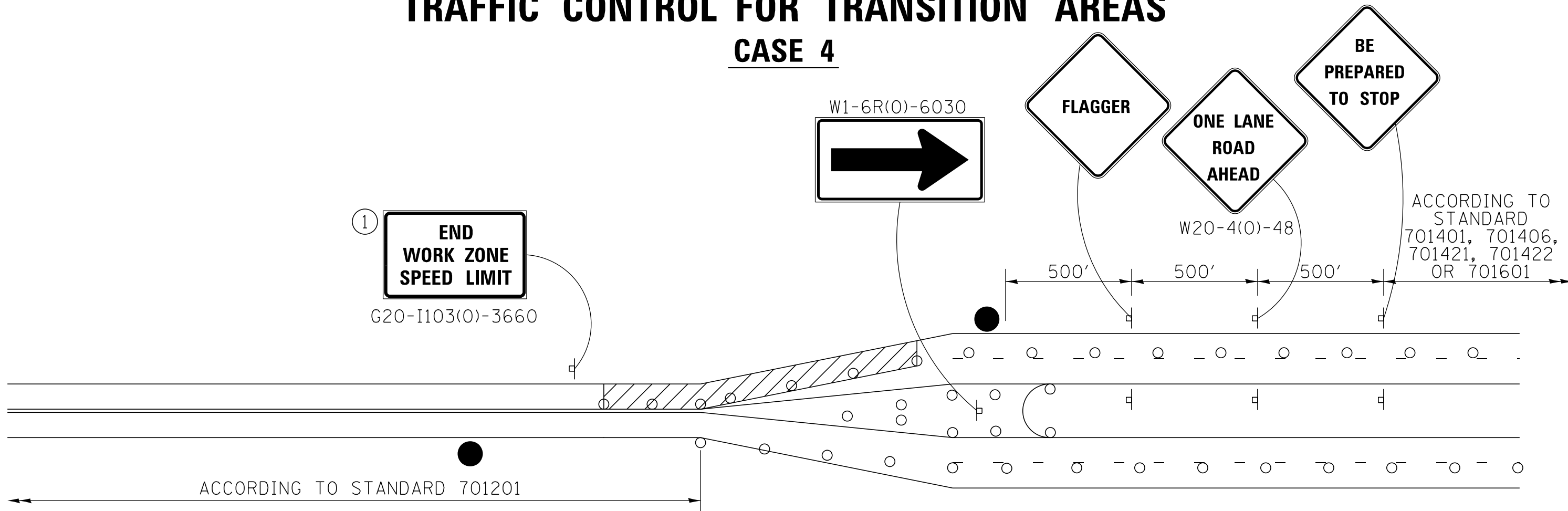
WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	st\joi\6300--6399\6346\025\micro\Sh\0264C17-sht-districtdetails.dgn	DRAWN -	REVISED -			646	101 BR-3	WHITESIDE	130	115		
	PLOT SCALE = 2.0000" / 1"	CHECKED -	REVISED -			CONTRACT NO. 64C17			FED. ROAD DIST. NO. 2 (ILLINOIS) FED. AID PROJECT			
	PLOT DATE = 8/14/2014	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.				

# TRAFFIC CONTROL FOR TRANSITION AREAS

## CASE 4



### 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.

● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES

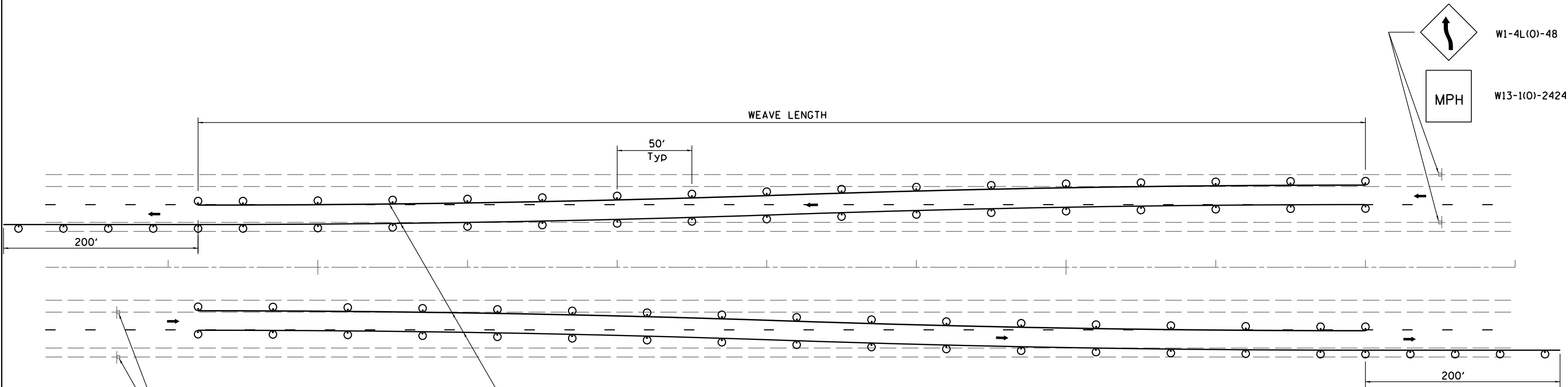
▨ WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

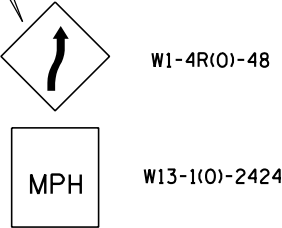
FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	st\joi\6300--6399\6346\025\micro\Sh\0264C17-sht-districtdetails.dgn	DRAWN -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	646	101 BR-3	WHITESIDE	130	116
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -								CONTRACT NO. 64C17				
	PLOT DATE = 8/14/2014	DATE -	REVISED -			FED. ROAD DIST. NO. 2 [ILLINOIS] FED. AID PROJECT									



# TRAFFIC CONTROL TYPICAL WEAVE



Temporary Pavement Marking required if Typical Weave is used for 14 days or more.



- 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**

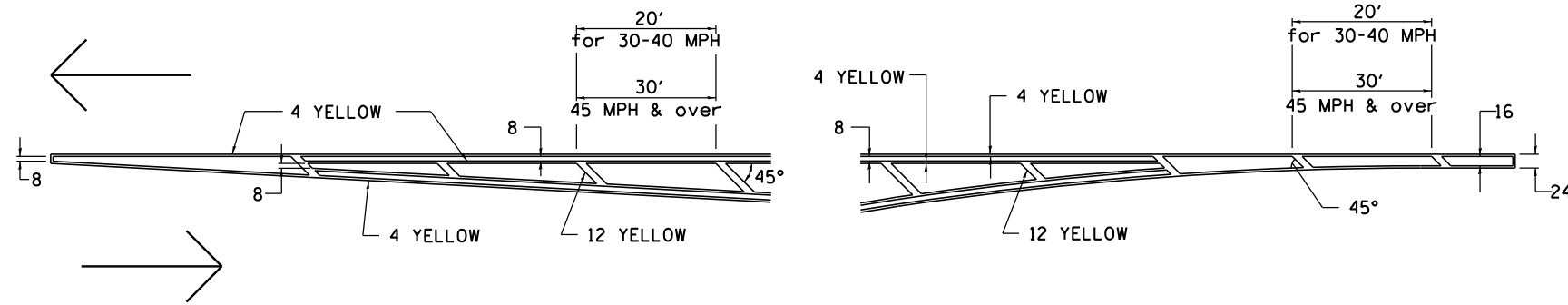
POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
65 MPH	45 MPH	780 FT.
55 MPH	35 MPH	660 FT.
45 MPH	25 MPH	540 FT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

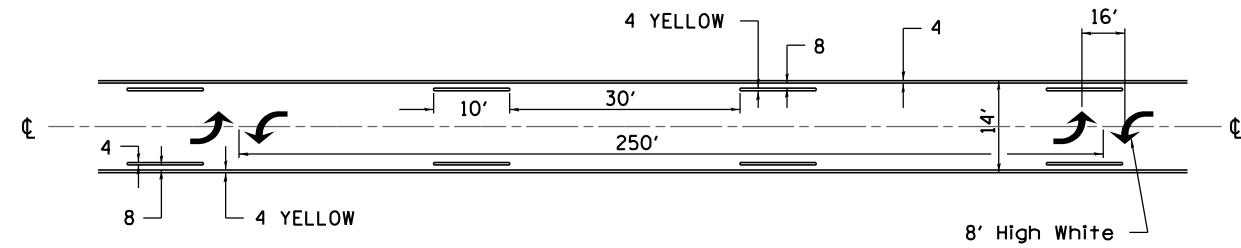
FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 8-27-13	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
st\joi\6300--6399\6346\025\micros\Sh\0264C17-sht-districtdetails.dgn	64C17-sht-districtdetails.dgn	DRAWN -	REVISED -			646	101 BR-3	WHITESIDE	130	117	
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 64C17					
PLOT DATE = 8/14/2014	DATE -	REVISED -	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

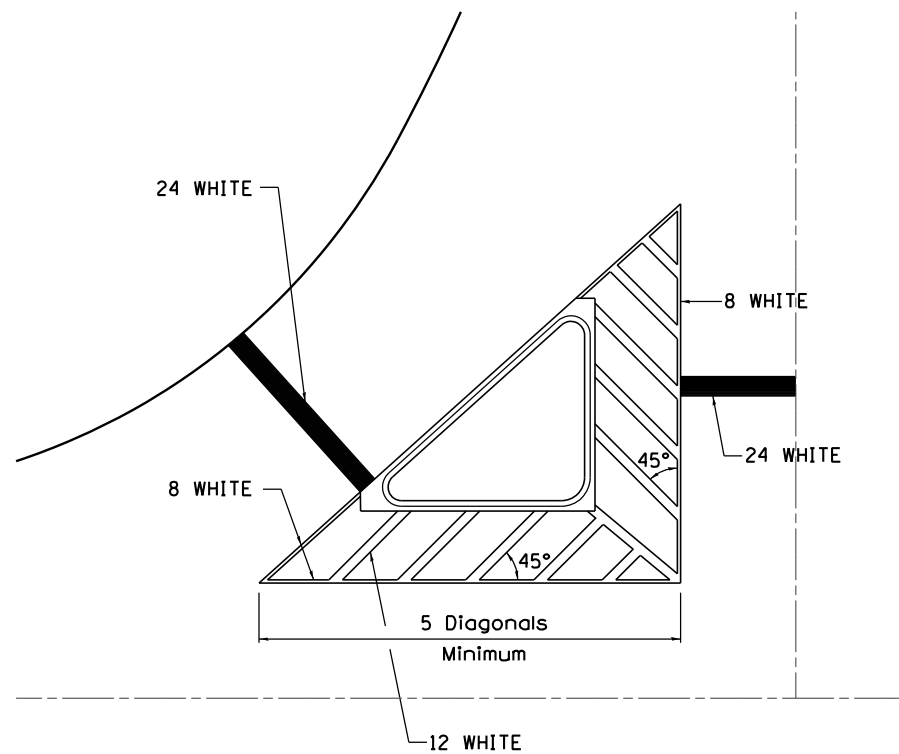


## MEDIAN PAVEMENT MARKING

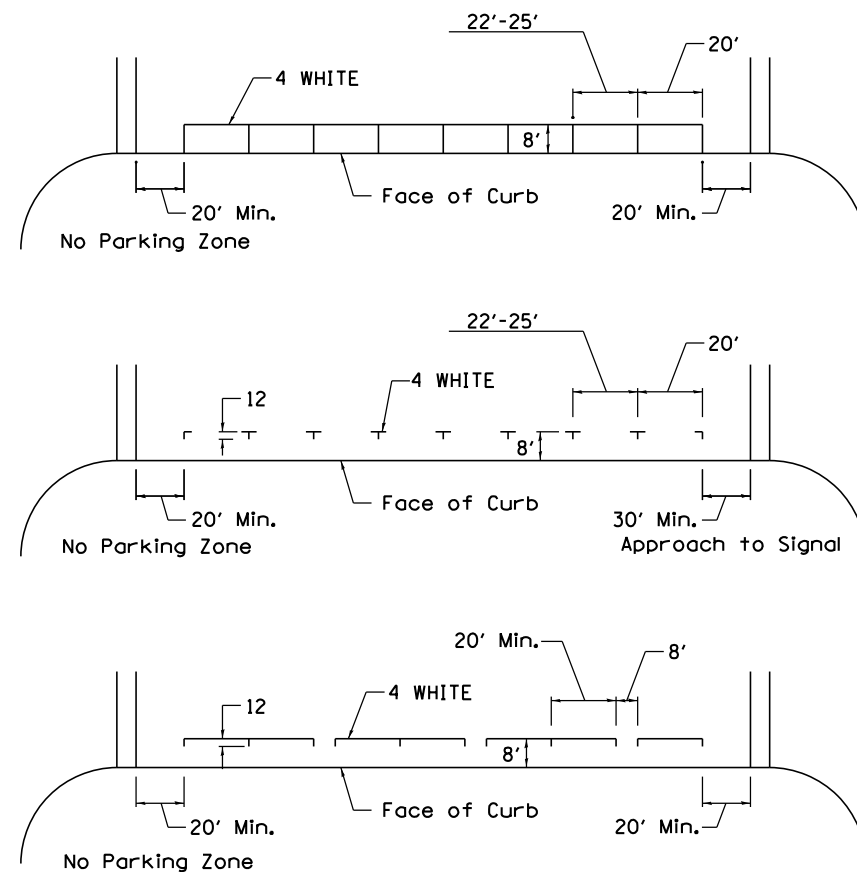


•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH

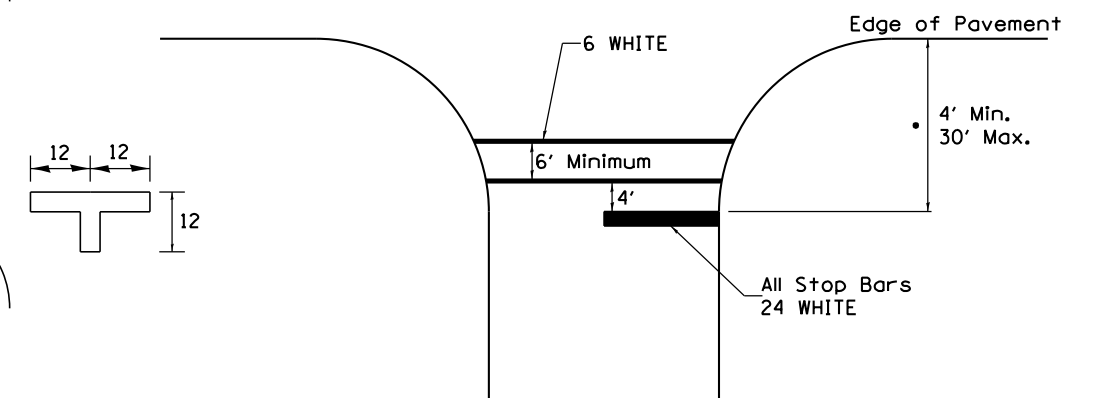


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations

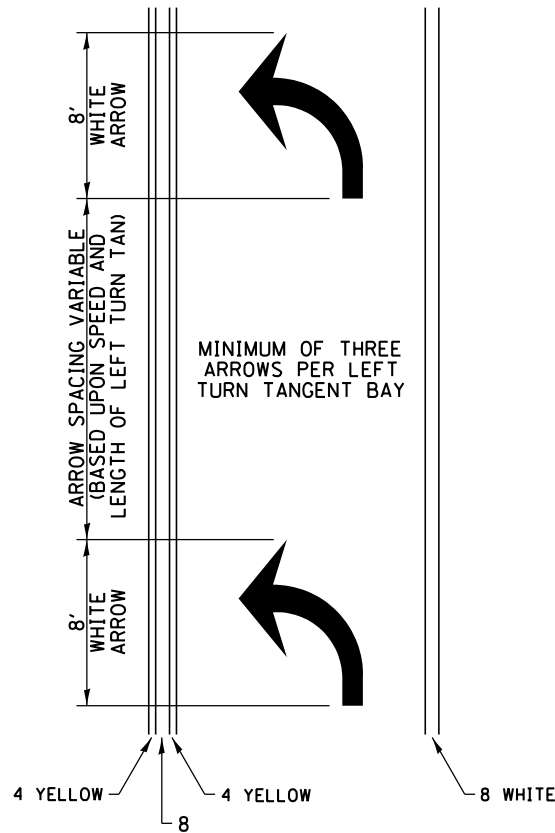


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 3-5-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
st\joi\6300--6399\6346\025\micros\Shd\064C17-sht-districtdetails.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	646	101 BR-3	WHITESIDE	130	118
		CHECKED -	REVISED -											
		DATE -	REVISED -											

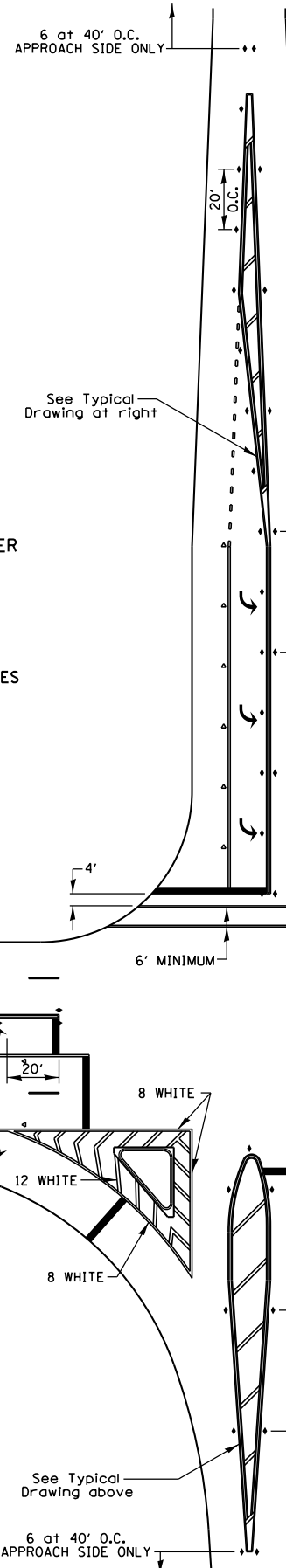
# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT

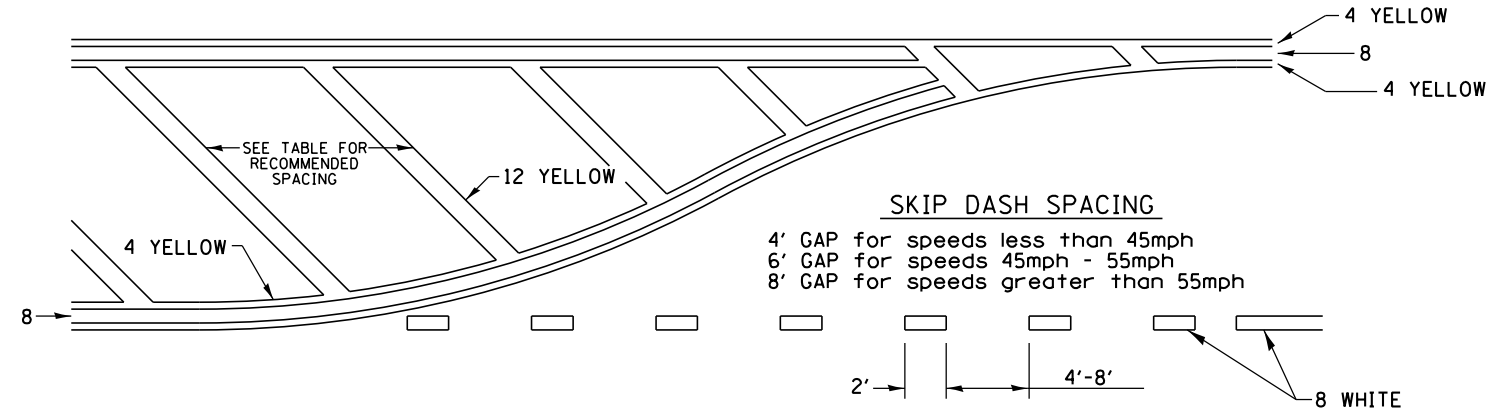


- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



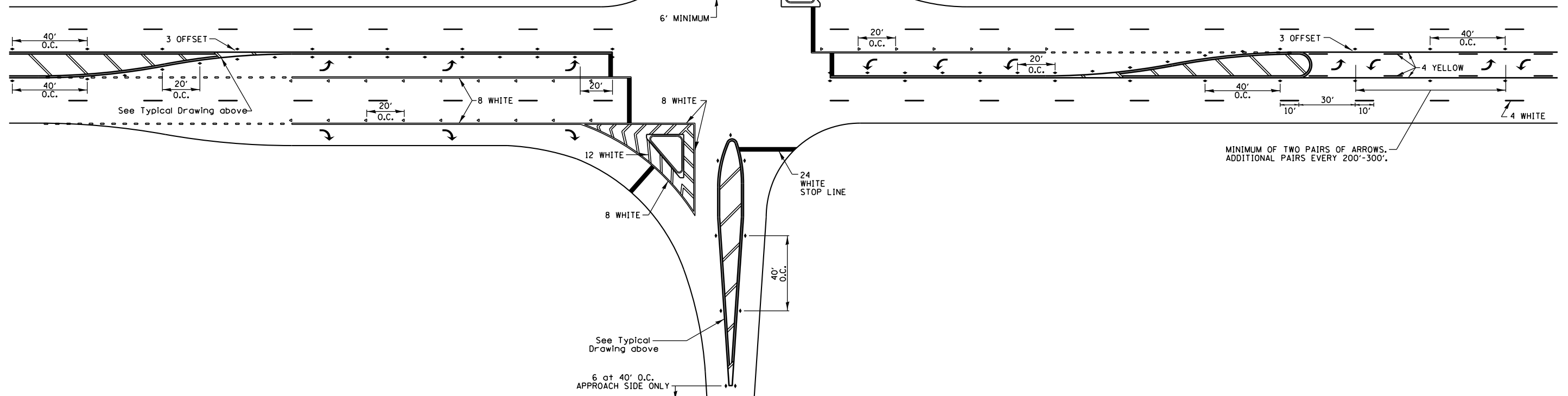
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

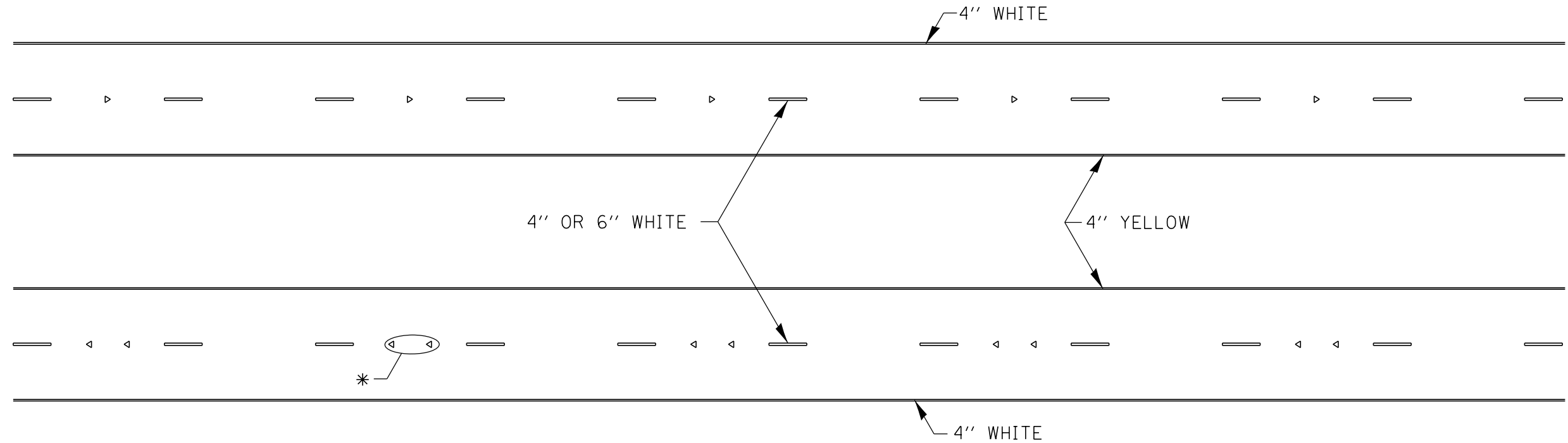
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

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.



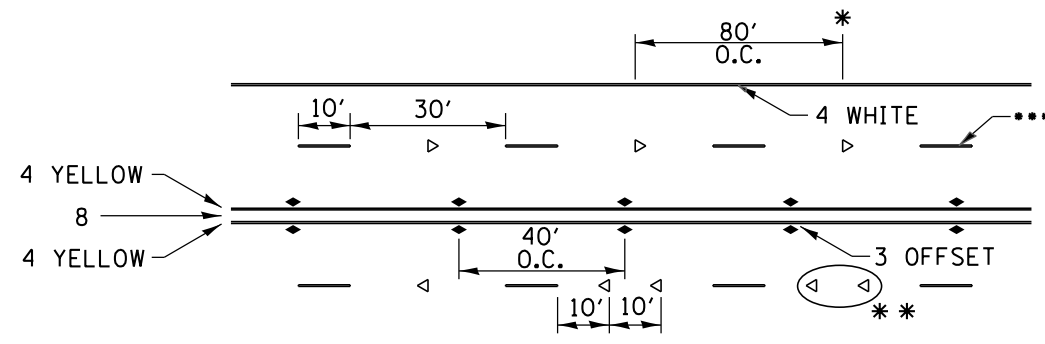
FILE NAME =	USER NAME = brianf	DESIGNED -	REVISED - 3-5-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
st\joi\6300--6399\6346\025\micros\Sh\0264C17-sht-districtdetails.dgn		DRAWN -	REVISED -					646	101 BR-3	WHITESIDE	130	119
PLOT SCALE = 2.0000' / in.		CHECKED -	REVISED -					CONTRACT NO. 64C17			FED. ROAD DIST. NO. 2   ILLINOIS   FED. AID PROJECT	
PLOT DATE = 8/14/2014		DATE -	REVISED -					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000.

## MULTI-LANE / DIVIDED



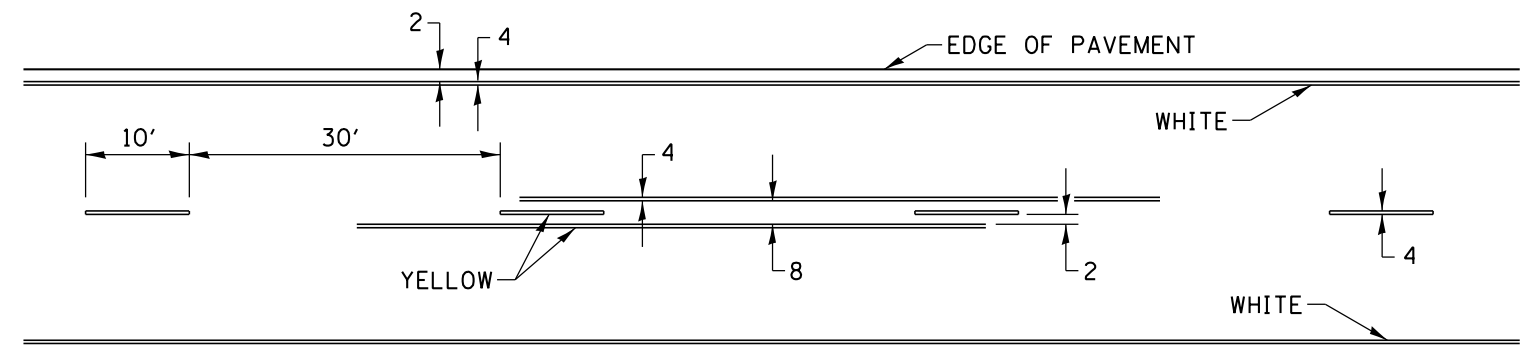
SYMBOLS

- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000
- 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



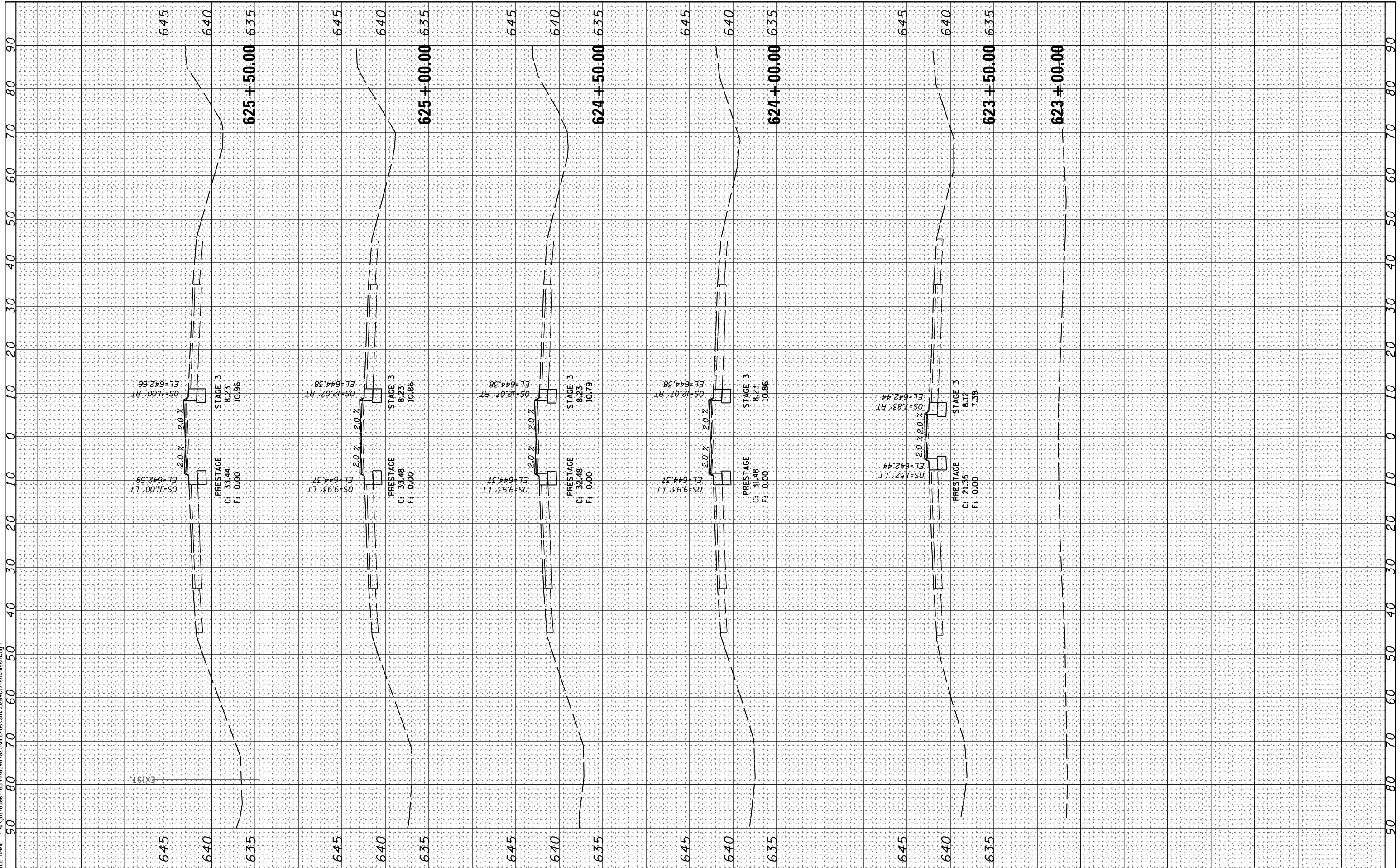
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st\joi\6300--6399\6346\025\micros\Shd\064C17-sht-districtdetails.dgn	DRAWN -	REVISED -	646					101 BR-3	WHITESIDE	130	120	
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT		
PLOT DATE = 8/14/2014	DATE -	REVISED -	<b>CONTRACT NO. 64C17</b>									



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = s:\j\162888-6399-6346\025\100\03\STA\026-6017-101-11-14.dgn



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

USER NAME = briant  
MODEL NAME = Default  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 8/14/2014

DESIGNED - VLF  
DRAWN - DJW  
CHECKED - MAG  
DATE - 8-14-14

REVISED -  
REVISED -  
REVISED -  
REVISED -

**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	130	121
CONTRACT NO. 64C17			ILLINOIS FED. AID PROJECT	

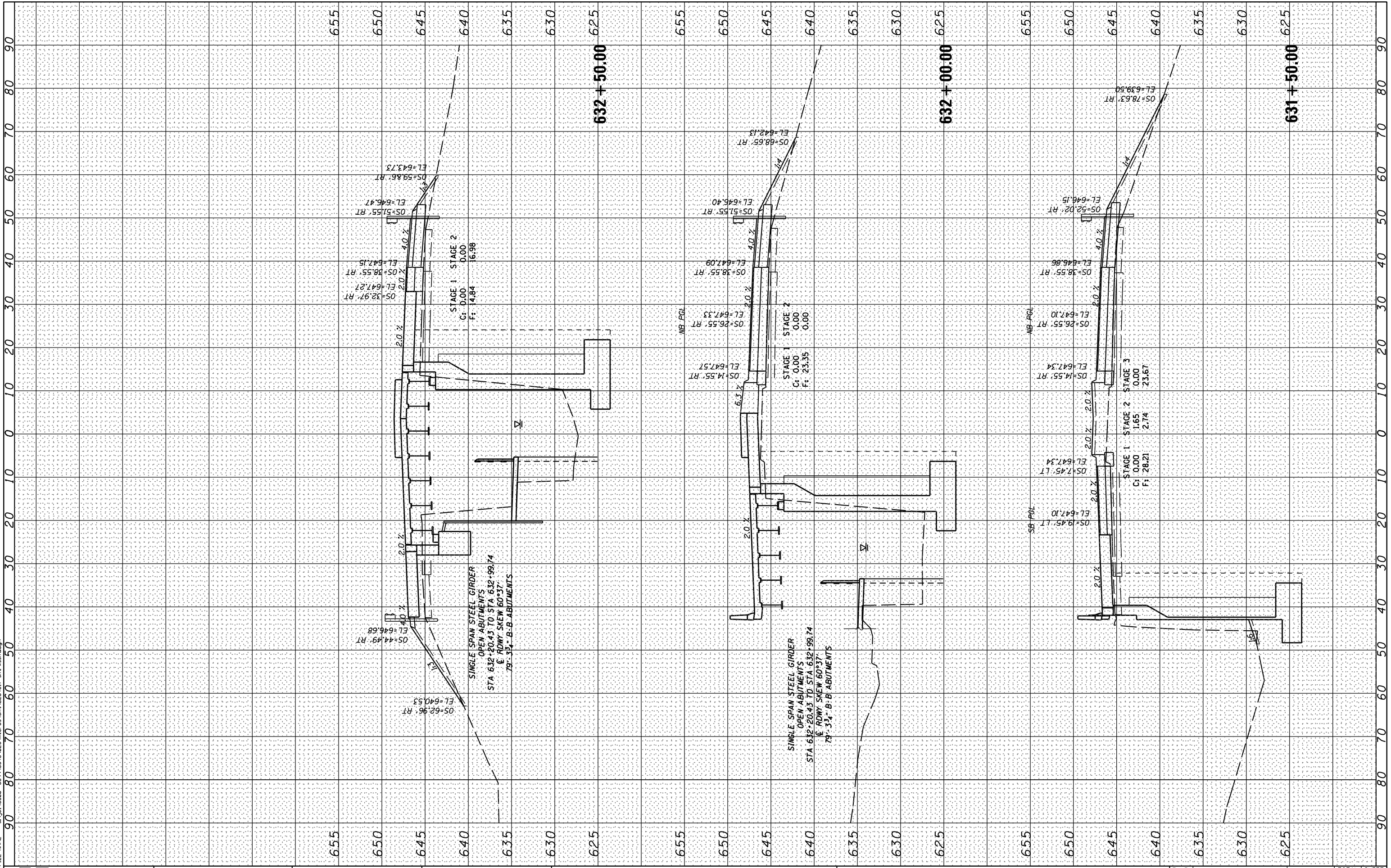




FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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

USER NAME = briant	DESIGNED - VLF	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MAG	REVISED -
PLOT DATE = 8/14/2014	DATE - 8-14-14	REVISED -

REVISED -
REVISED -
REVISED -
REVISED -

**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

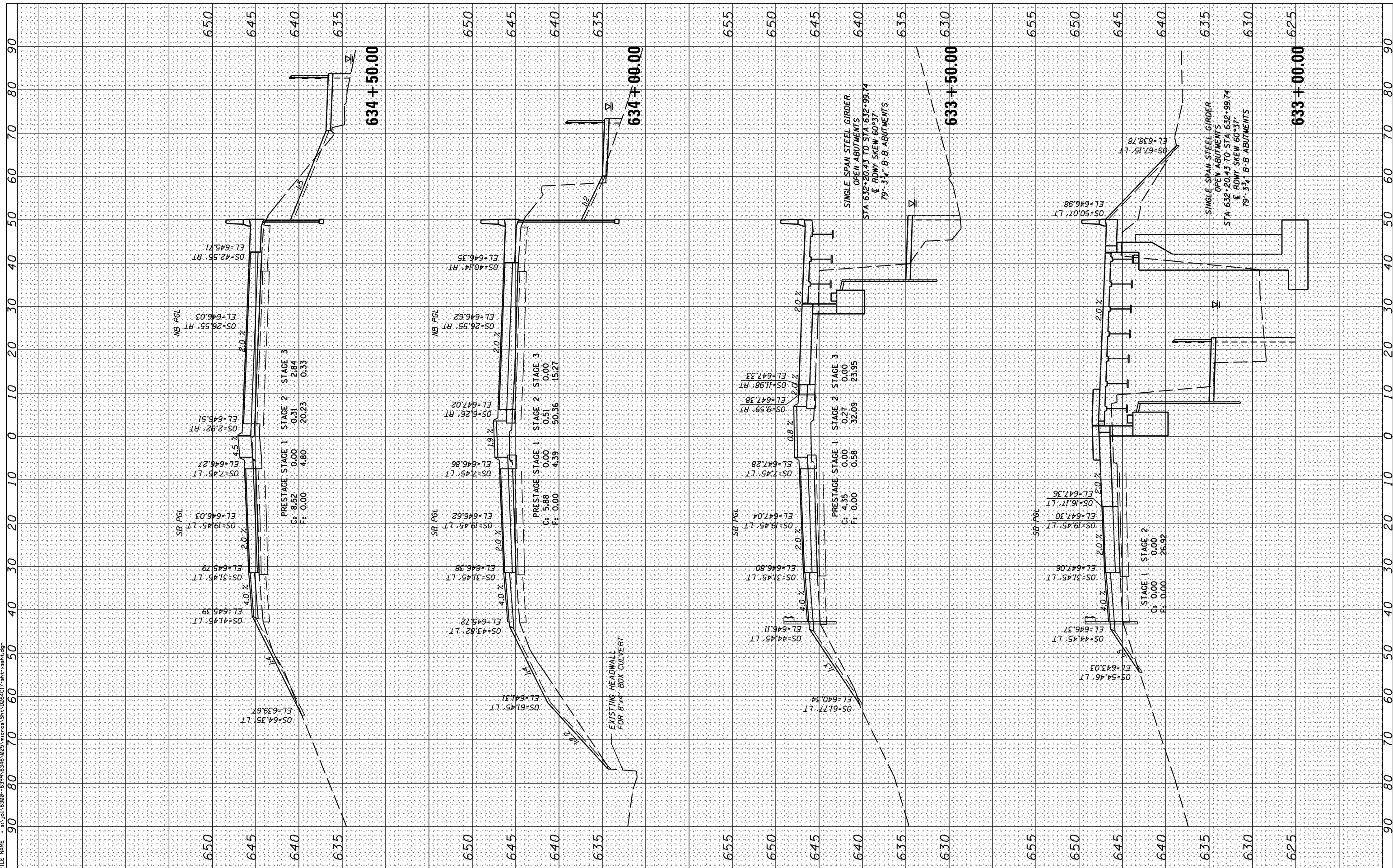
F.A.P. RTE. 646	SECTION 101 BR-3	COUNTY WHITESIDE	TOTAL SHEETS 130	SHEET NO. 124
CONTRACT NO. 64C17			ILLINOIS FED. AID PROJECT	



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

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

FILE NAME = s:\j1\6300-6399\6346\025\100\03\026\017-11t-ssht.dgn



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

USER NAME = briantf	DESIGNED - VLF	REVISED -
MODEL NAME = Default	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MAG	REVISED -
PLOT DATE = 8/14/2014	DATE - 8-14-14	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

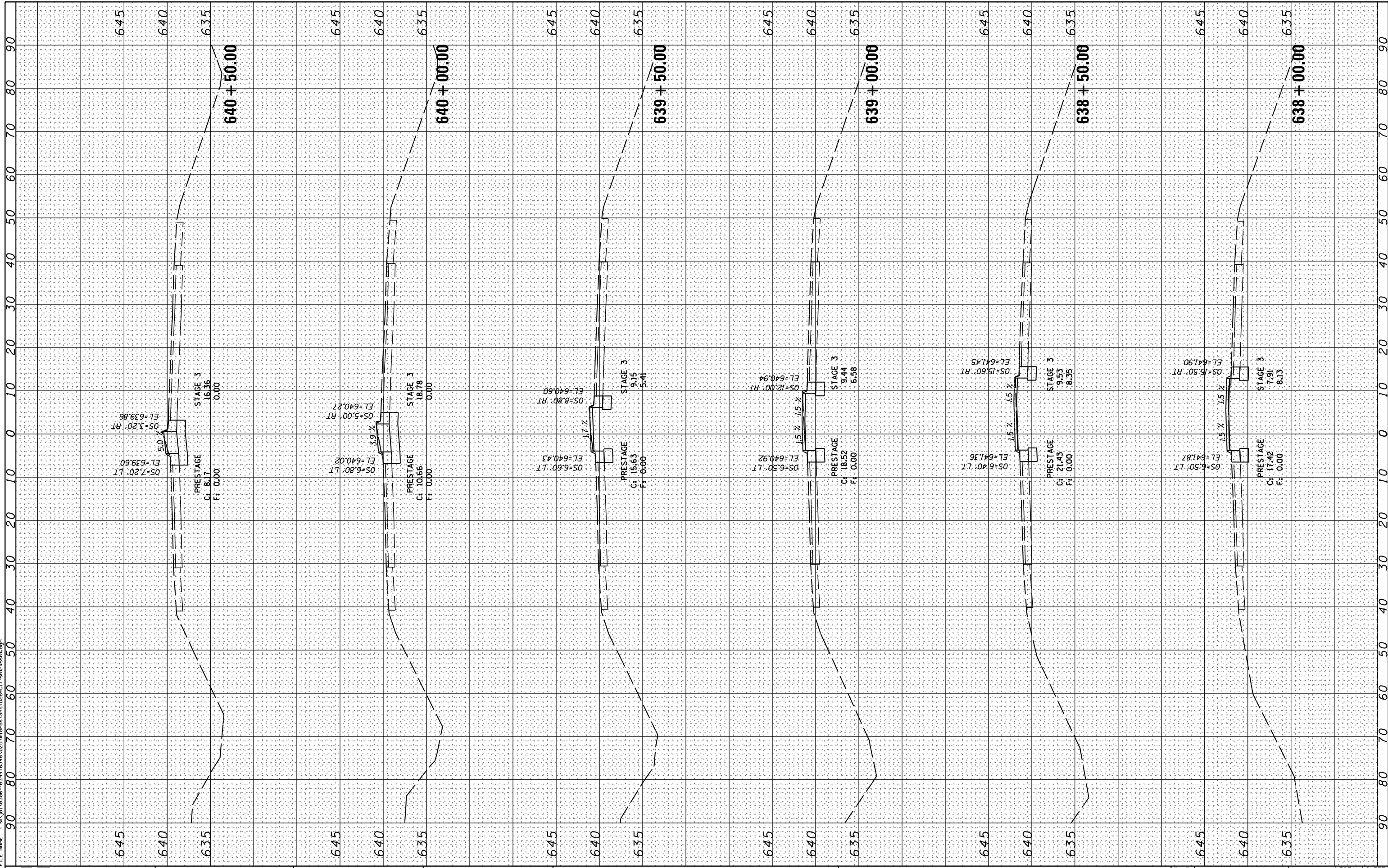
F.A.P. RTE. 646	SECTION 101 BR-3	COUNTY WHITESIDE	TOTAL SHEETS 130	SHEET NO. 125
CONTRACT NO. 64C17			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = s:\j1\6388-6399\6346\025\10101\026\017-101-ss14.dgn



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

USER NAME = briant  
MODEL NAME = Default  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 8/14/2014

DESIGNED - VLF  
DRAWN - DJW  
CHECKED - MAG  
DATE - 8-14-14

REVISED -  
REVISED -  
REVISED -  
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

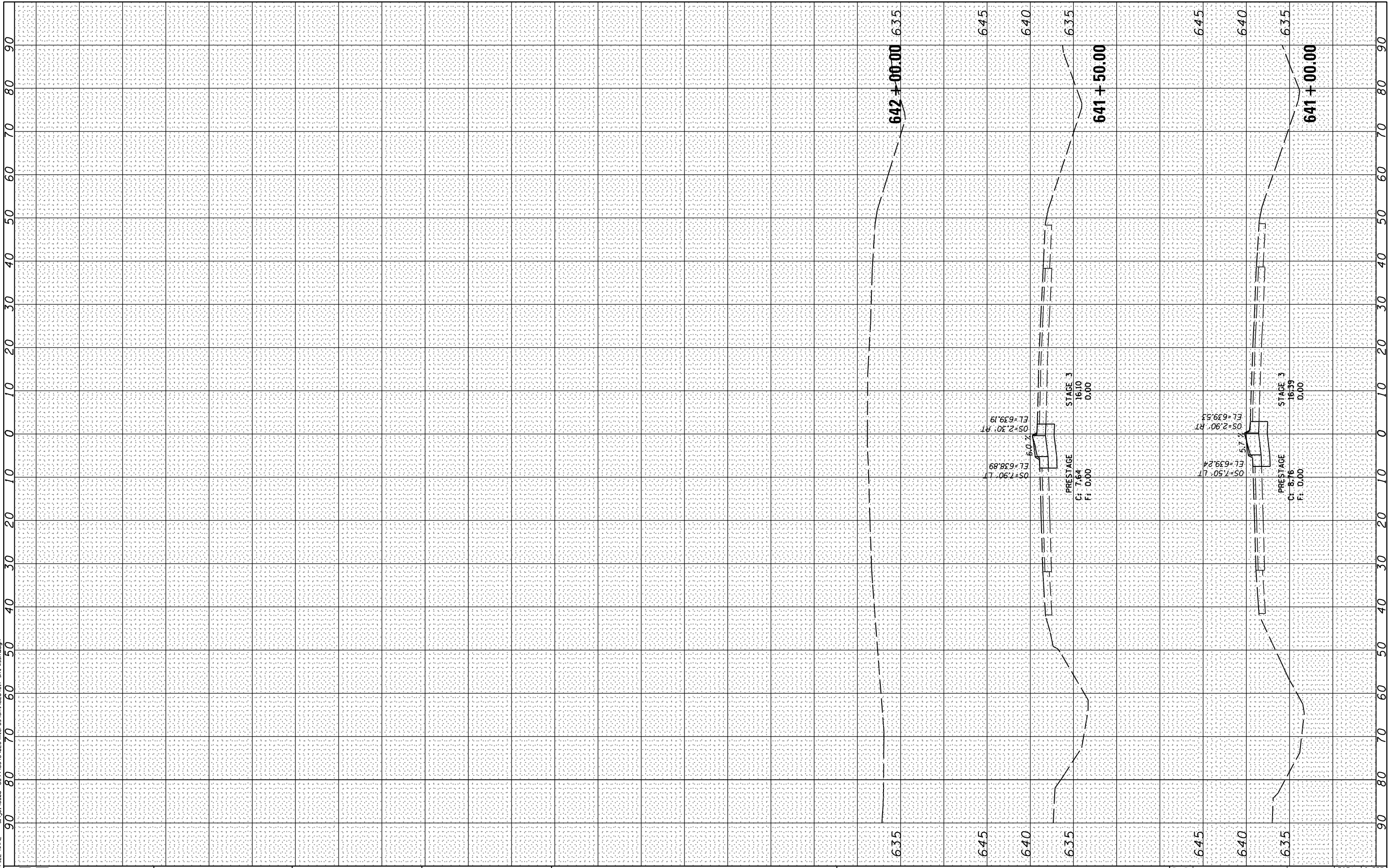
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	130	127
CONTRACT NO. 64C17				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

FILE NAME = s:\j\6300-6399\6346\025\plot\6346\025\641-642.dgn



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

USER NAME = briarf  
 MODEL NAME = Default  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 8/14/2014

DESIGNED - VLF  
 DRAWN - DJW  
 CHECKED - MAG  
 DATE - 8-14-14

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**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

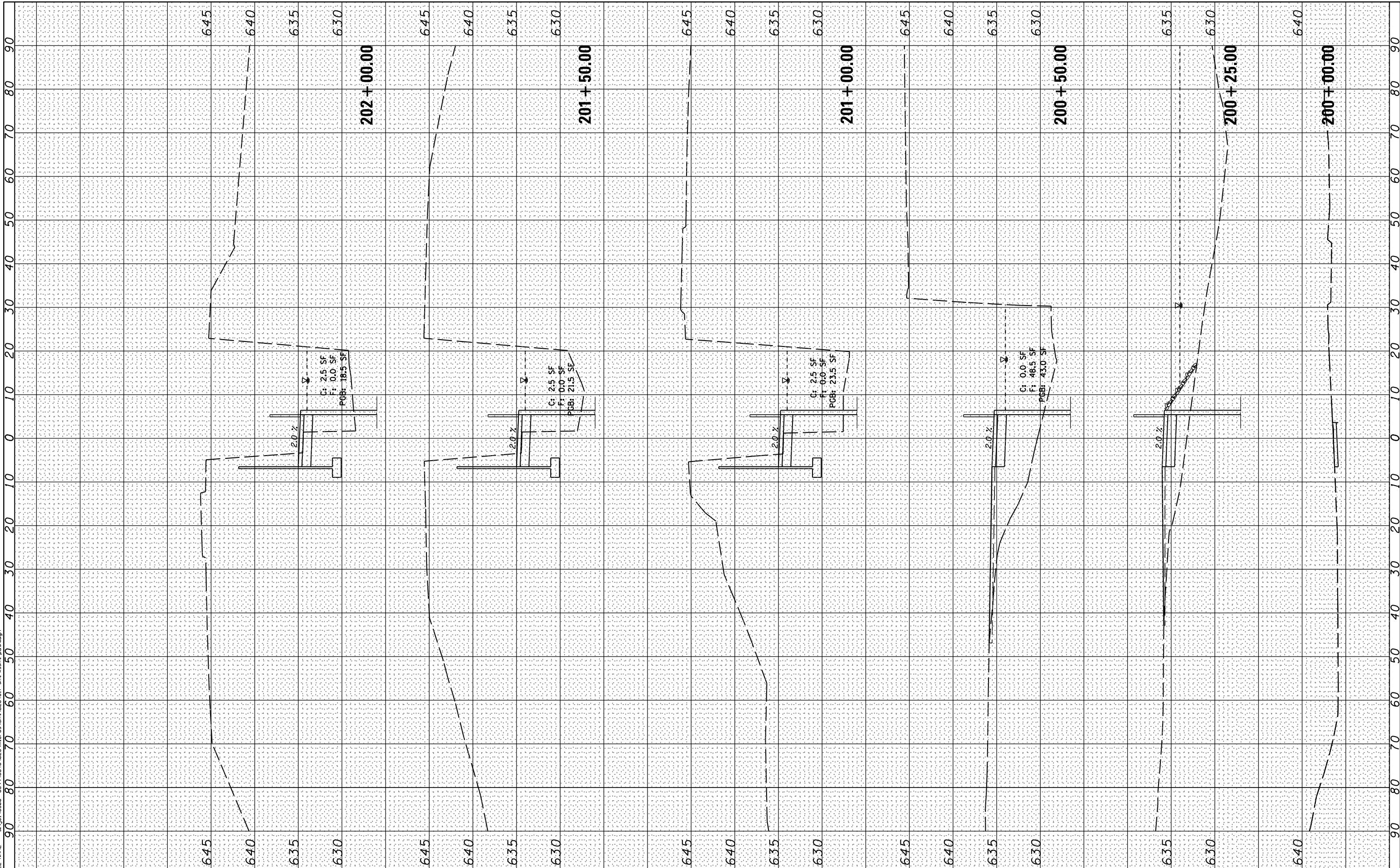
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	101 BR-3	WHITESIDE	130	128
CONTRACT NO. 64C17			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

FILE NAME = s:\j1\6300-6399\6346\025\plan\025\STA 200+00.00.dgn



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

USER NAME = briarf	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

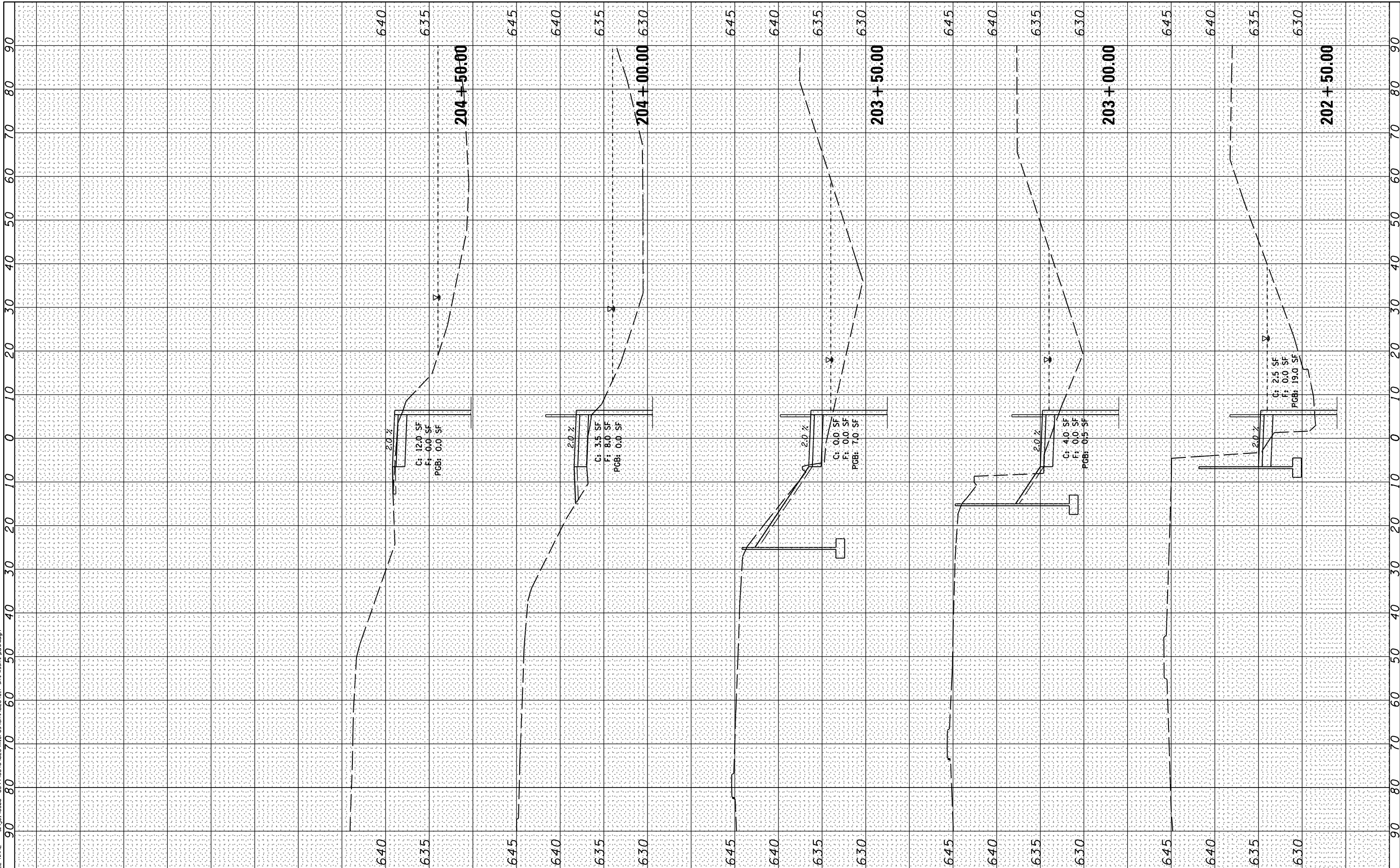
SCALE: 10H 5V    SHEET 1 OF 2 SHEETS    STA. 200+00.00 TO STA. 202+00.00

F.A.P. RTE. 646	SECTION 101 BR-3	COUNTY WHITESIDE	TOTAL SHEETS 130	SHEET NO. 129
			CONTRACT NO. 64C17	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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

USER NAME = briant	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: 10H 5V SHEET 2 OF 2 SHEETS STA. 202+50.00 TO STA. 204+50.00

F.A.P. RTE. 646	SECTION 101 BR-3	COUNTY WHITESIDE	TOTAL SHEETS 130	SHEET NO. 130
CONTRACT NO. 64C17			ILLINOIS FED. AID PROJECT	