

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
80	*	BUR & LAS	219 1

ILLINOIS PROJECT

\*(06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR

D-93-037-07  
P-93-019-06

+2  
= 221  
TOTAL SHEETS

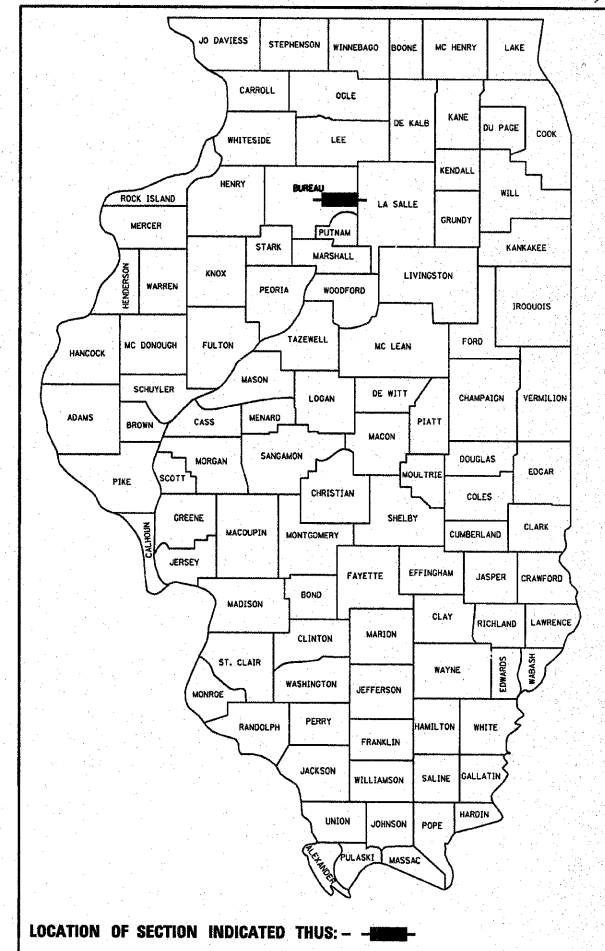
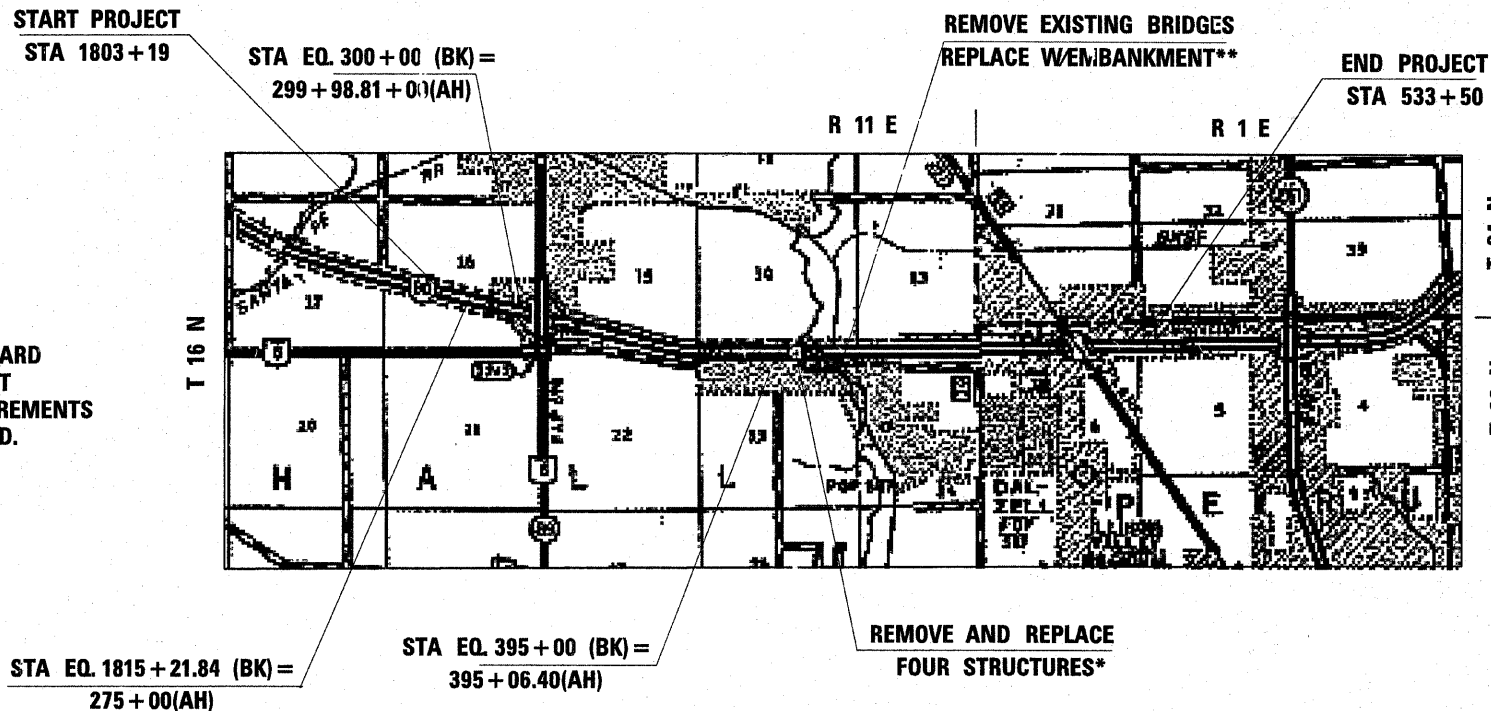
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PROPOSED  
HIGHWAY PLANS

FAI ROUTE I-80  
SECTION (06-14 & 50-8)RS-1 (14B,ETC.) BR  
PROJECT NO. ACIM-ACBRI-080-3(129)072  
BUREAU & LASALLE COUNTIES

C-93-088-07

PROJECT DESCRIPTION  
WEST OF IL 89 TO WEST OF IL 251  
RESURFACING, PATCHING, BRIDGE REPLACEMENTS AND BRIDGE REMOVALS



FUNCTION CLASSIFICATION-INTERSTATE

(IL 251 TO PLANK RD)	2005 ADT = 25,300	
P.V. = 58.7%	S.U. = 5.8%	M.U. = 35.5%
(PLANK RD TO IL 89)	2005 ADT = 25,200	
P.V. = 62.7%	S.U. = 4.8%	M.U. = 32.5%

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-6 SUMMARY OF QUANTITIES
- 7-10 TYPICAL SECTIONS
- 11 LOCATION MAP
- 12-23 SCHEDULE OF QUANTITIES
- 24-45 PLAN SHEETS
- 46-48 PROFILE SHEETS
- 49-50 STAGE I & II TYPICAL SECTION
- 51-59 STAGE I CONSTRUCTION
- 60-68 STAGE II CONSTRUCTION
- 69-70 ALTERNATE ROUTE SIGNING
- 71-72 TEMPORARY LIGHTING CROSSOVERS
- 73-139 STRUCTURE PLANS
- 140-171 EXISTING BRIDGE PLANS
- 172-178 DETAILS
- 179-219 CROSS SECTIONS

HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-01 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-06 BRIDGE APPROACH PAVEMENT
- 442101-07 CLASS B PATCHES
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 515001-02 NAME PLATE FOR BRIDGES
- 542401 METAL END SECTION FOR PIPE CULVERTS
- 542546 FLUSH INLET BOX FOR MEDIAN
- 602401-01 MANHOLE, TYPE A
- 610001-03 **SHOULDER INLET WITH CURB**
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 630201-05 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-04 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631011-04 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631031-06 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001 DELINEATORS
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 642001 SHOULDER RUMBLE STRIPS
- 701401-04 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-04 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP
- 701901 TRAFFIC CONTROL DEVICES
- 704001-04 TEMPORARY CONCRETE BARRIER
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 601101 CONCRETE HEADWALL FOR PIPE DRAIN

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.

MICROFILMED \_\_\_\_\_  
 REEL NUMBER \_\_\_\_\_  
 AWARDED \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT CHANGES WERE MADE ON THE FOLLOWING SHEETS \_\_\_\_\_

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: JOE KANNEL  
UNIT CHIEF: PATRICK BRABOY  
TOWNSHIP: HALL, PERU

CONTRACT NO. 66731

LOCATION MAP  
NOT TO SCALE

GROSS LENGTH = 27,509 FT = 5.21 MI.  
NET LENGTH = 27,509 FT = 5.21 MI.

\*OLD SN 006-0032,006-0033,006-0036,006-0037  
NEW SN 006-0165,006-0166,006-0167,006-0168

\*\*SN 006-0034,006-0035

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED August 29, 2008  
George Ryan  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
October 3, 2008  
Eric E. Harms  
 ENGINEER OF DESIGN AND ENVIRONMENT  
October 3, 2008  
Christine M. Reed  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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F. A. L. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUR&LAS	219	2
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

\*(06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR

**GENERAL NOTES**

(Revised October 5, 2006)

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

**COMMITMENTS:**

1. STRUCTURAL STATUS AND VERTICAL CLEARANCE FORMS
2. 404 PERMIT
3. THE RESIDENT ENGINEER IS TO NOTIFY THE CITY OF PERU 2 WEEKS PRIOR TO WORK ON I-80, INCLUDING WHEN THE TEMPORARY LIGHTS WILL BE INSTALLED SO THAT THE AIRPORT WILL BE AWARE OF THIS WORK
4. STORM WATER POLLUTION PREVENTION PLAN

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: *Rick Powell*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 8-29-08

EXAMINED BY: *Heidi D...*  
DISTRICT CONSTRUCTION ENGINEER

*James J. Phillips*  
DISTRICT MATERIALS ENGINEER

*Kevin A. Huchens*  
DISTRICT OPERATIONS ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GENERAL NOTES**

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SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QTY	90/10 FED/STATE		90/10 FED/STATE	90/10 FED/STATE	90/10 FED/STATE		90/10 FED/STATE	
				ROADWAY		ACBRT	ACIM	CONSTRUCTION TYPE CODE		ACIM	
				BUREAU COUNTY	LASALLE COUNTY	EXIST. SN 006-0032(EB) PROP. SN 006-0165 X071-2A	EXIST. SN 006-0033(WB) PROP. SN 006-0166 X071-2A	006-0034 (TBR)	006-0035 (TBR)	EXIST. SN 006-0036(EB) PROP. SN 006-0167 X171-2A	EXIST. SN 006-0037(WB) PROP. SN 006-0168 X171-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	714	714							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	241	241							
20200100	EARTH EXCAVATION	CU YD	2568	2568							
20400800	FURNISHED EXCAVATION	CU YD	55407	55407							
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	560		161	161			119	119	
* 25000300	SEEDING, CLASS 3	ACRE	7.3	7.3							
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	657	657							
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	657	657							
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	657	657							
* 25100115	MULCH, METHOD 2	ACRE	2.4	2.4							
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	23232	23232							
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2190	2190							
* 28000300	TEMPORARY DITCH CHECKS	EACH	40	40							
* 28000400	PERIMETER EROSION BARRIER	FOOT	4169	4169							
28000500	INLET AND PIPE PROTECTION	EACH	5	5							
28100107	STONE RIPRAP, CLASS A4	SQ YD	3096		1548	1548					
28200200	FILTER FABRIC	SQ YD	3096		1548	1548					
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	938	938							
3550/343	HOT-MIX ASPHALT BASE COURSE, 15"	SQ YD	938	938							
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	7271	7271							
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	13343	9187	4156						
40600300	AGGREGATE (PRIME COAT)	TON	336	232	104						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	50	34	16						
40600555	LEVELING BINDER (HAND METHOD), N105	TON	83	57	26						
40600895	CONSTRUCTING TEST STRIP	EACH	3		3						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	3200	2080	1120						
40600990	TEMPORARY RAMP	SQ YD	426	293	133						
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	36757	30211	6546						
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	10675	7239	3436						
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1320.8	966.8	354						
40603575	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N105	TON	17068	11908	5160						
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	1064	1064							
42001200	PAVEMENT FABRIC	SQ YD	902	870	32						
44000100	PAVEMENT REMOVAL	SQ YD	1064	1064							
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	166911	114959	51952						
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	11793	8633	3160						
44000182	HOT-MIX ASPHALT SURFACE REMOVAL, 8"	SQ YD	7271	7271							
44213200	SAW CUTS	FOOT	16100	13988	2112						

\* SPECIALTY ITEMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	.	**	219	3
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 106-14 & 50-81RS-114B,B-1,VB,VB-1,VB-2,VB-3BR				
** BUREAU & LASALLE				

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80		**	219	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
* (06-14 & 50-BIRS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

← 90% FED 10% STATE →

80% FED  
20% STATE

CODE NO	ITEM	UNIT	TOTAL QTY	SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
				ACIM		EXIST. SN 006-0032(EB) PROP. SN 006-0165 X071-2A	ACBRI		90/10 FED/STATE ACTM		
				ROADWAY			EXIST. SN 006-0033(WB) PROP. SN 006-0166 X071-2A	006-0034 (TBR)	006-0035 (TBR)	EXIST. SN 006-0036(EB) PROP. SN 006-0167 X171-2A	EXIST. SN 006-0037(WB) PROP. SN 006-0168 X171-2A
				BUREAU COUNTY	LASALLE COUNTY						
I000	I000										
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	658			166	166			163	163
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2						
60500040	REMOVING MANHOLES	EACH	3		3						
60500060	REMOVING INLETS	EACH	3		3						
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	4	4							
61000225	TYPE F INLET BOX, STANDARD 610001	EACH	4	4							
60900515	CONCRETE THRUST BLOCKS	EACH	8	8							
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	3825	3825							
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6	6							
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	16	16							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	EACH	10	10							
63200310	GUARDRAIL REMOVAL	FOOT	4758	4758							
* 63500105	DELINEATORS	EACH	361	197	164						
63500120	DELINEATOR REMOVAL	EACH	361	197	164						
63801205	TEMPORARY MODULAR GLARE SCREEN	FOOT	10420	10420							
64200105	SHOULDER RUMBLE STRIP	FOOT	98667	75360	23307						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	20	10	10						
67100100	MOBILIZATION	L SUM	1	0.5	0.5						
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8	4	4						
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	0.5	0.5						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	200	100	100						
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	30	15	15						
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	93785	68933	24852						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	124137	88958	35179						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	13747	10192	3555						
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	4722	1575	3147						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	766	236	530						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	192	96	96						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	33001	24718	8283						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	10420	10420							
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	10195	10195							
70500100	TEMPORARY STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	935	935							
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	122342	87163	35179						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	13523	9968	3555						
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	4722	1575	3147						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	766	236	530						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	192	96	96						
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1795	1795	0						
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	224	224	0						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1692	1146	546						

\* SPECIALTY ITEMS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80		**	219	6
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
*106-14 & 50-81RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

CODE NO	ITEM	UNIT	TOTAL QTY	90% FED 10% STATE ACIM		CONSTRUCTION TYPE CODE				90% FED 10% STATE ACIM	
				ROADWAY		EXIST. SN	EXIST. SN	006-0034 (TBR)	006-0035 (TBR)	EXIST. SN	EXIST. SN
				BUREAU COUNTY	LASALLE COUNTY	006-0032(EB) PROP. SN	006-0033(WB) PROP. SN			006-0036(EB) PROP. SN	006-0037(WB) PROP. SN
				I000	I000	006-0165 X071-2A	006-0166 X071-2A	006-0167 X171-2A	006-0168 X171-2A		
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	12	12	0						
* 78200405	GUARDRAIL MARKERS	EACH	39	39							
78200500	BARRIER WALL MARKERS	EACH	9	9							
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10							
78300105	PAVEMENT MARKING REMOVAL	FOOT	23105	23105							
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1692	1146	546						
X0326215	REMOVE TEMPORARY LIGHTING SYSTEM	L SUM	1	0.5	0.5						
X0325702	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	0.5	0.5						
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1			1					
X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1				1				
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	LSUM	1	0.5	0.5						
X7030100	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III	FOOT	101481	101481							
* X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5	0.5						
X8416162	TEMPORARY LIGHTING SYSTEM	L SUM	1	0.5	0.5						
X8410118	MAINTENANCE TEMPORARY LIGHTING SYSTEM	L SUM	1	0.5	0.5						
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5						
Z0041500	PLUG EXISTING CULVERTS	EACH	1	1							
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1							
Z0017100	DOWEL BARS	EACH	7444	6512	932						
Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	20	20							
Z0075300	TIE BARS	EACH	71	71							
X7040010	TEMPORARY CONCRETE BARRIER (SPECIAL)	FOOT	2000	2000							
X0322729	MATERIAL TRANSFER DEVICE	TON	48,354	39,594	8,760						
X0325969	PORTABLE VEHICLE MOUNTED CHANGEABLE MESSAGE BOARD	CAL DA	200	100	100						
* X0326208	ALTERNATE ROUTE SIGNING	L SUM	1	0.5	0.5						
52100520	ANCHOR BOLTS 1"	EACH	144			24	24			48	48
52100530	ANCHOR BOLTS 1 1/4"	EACH	24			12	12				
+ Z00076600	TRAINEES	HOURL	3,000	1,500	1,500						

• SPECIALTY ITEMS  
 † Y030

PLOT DATE = Aug 29, 2006 11:52:45 AM  
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# WEST OF IL 89 TO WEST OF IL 251

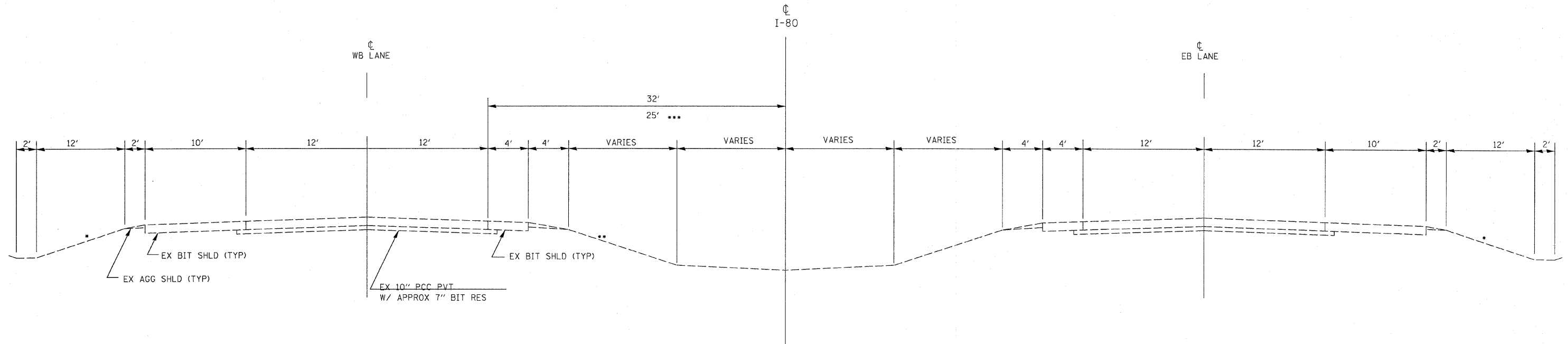
CONTRACT NO. 66731

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUR & LAS	219	7
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

\* (06 & 50-8)RS-1 & I  
\* (06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR

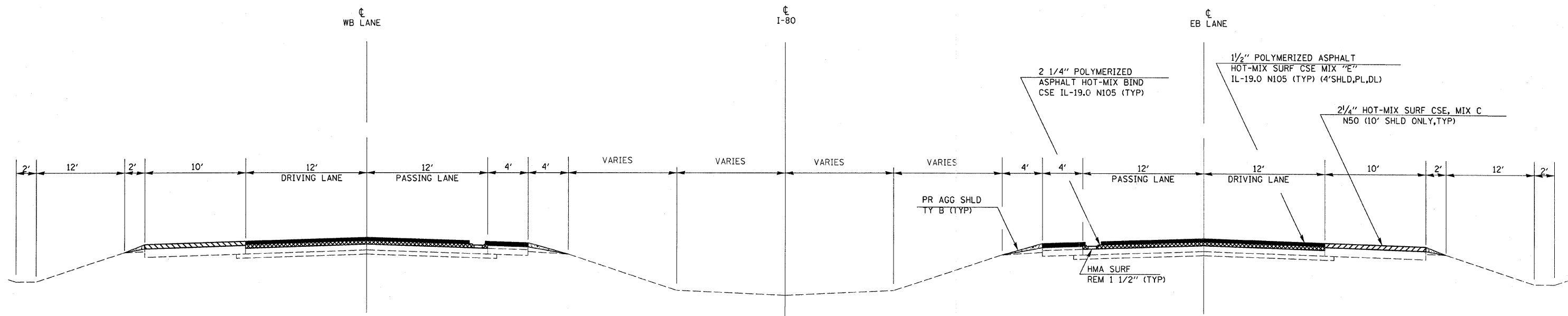
EXISTING  
TYPICAL SECTION

EXISTING  
TYPICAL SECTION



PROPOSED  
TYPICAL SECTION

PROPOSED  
TYPICAL SECTION



**NOTE:**

\* 1:4 (V:H) & VARIES

\*\*\* THE MEDIAN TRANSITIONS FROM 64' TO 50'

\*\* THE MEDIAN 1:4 SLOPE FOR THE FIRST 12' FROM THE EDGE OF THE INSIDE SHOULDER THEN 1:20 TO THE CENTER OF THE MEDIAN.

4' SHOULDERS WILL BE PAVED WITH THE SAME MIX AS THE MAINLINE.

**PROPOSED TYPICAL SECTION**

STA 1803+19 TO STA 392+00  
STA 424+75 TO STA 533+50\*

\*STA EQUATIONS  
1815+21.48 (BK) = STA 275+00 (AH)  
300+00.00 (BK) = STA 299+98.81 (AH)  
395+00.00 (BK) = STA 395+06.40 (AH)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## TYPICAL SECTION MAINLINE

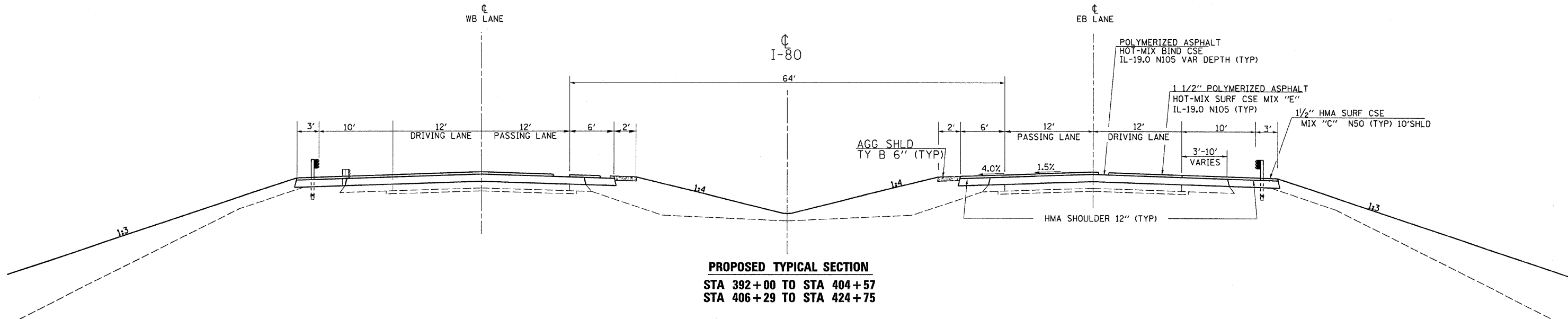
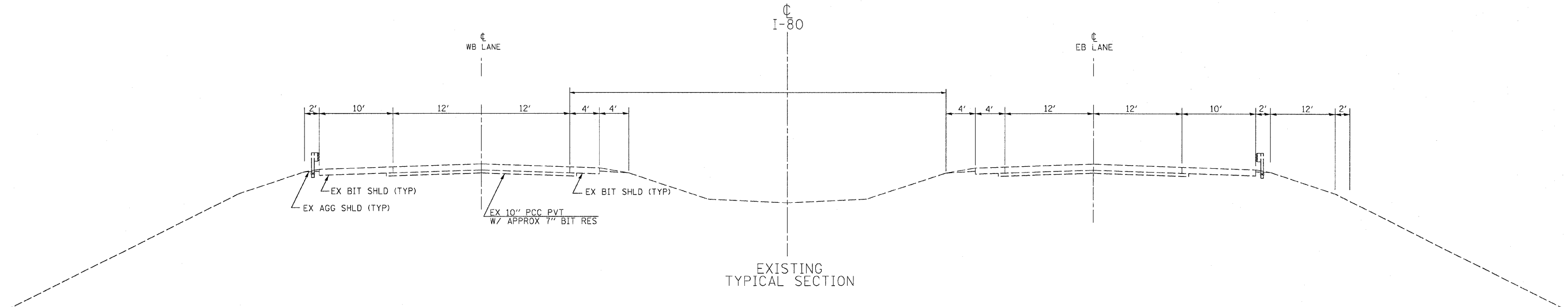
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HORIZ.  
DATE

DRAWN BY  
CHECKED BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUR & LAS	219	8
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

\* (06 & 50-8)RS-1 & I  
 \* (06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR



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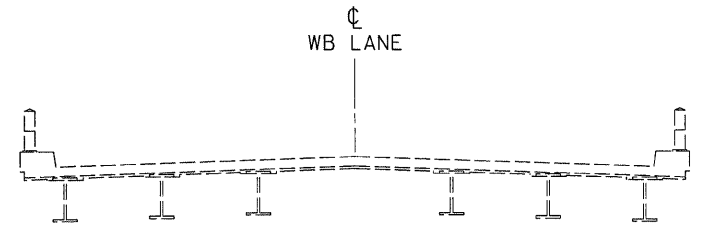
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTION BETWEEN STR**  
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 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_  
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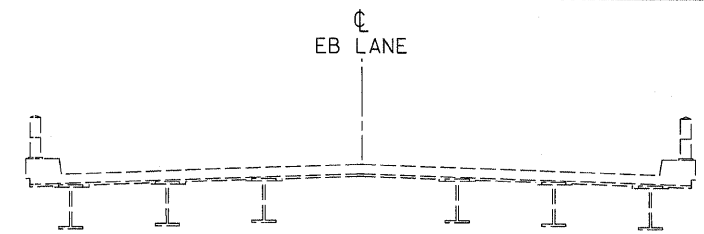


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUR & LAS	219	9
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

\* (06 & 50-8)RS-1 & I  
 \* (06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR

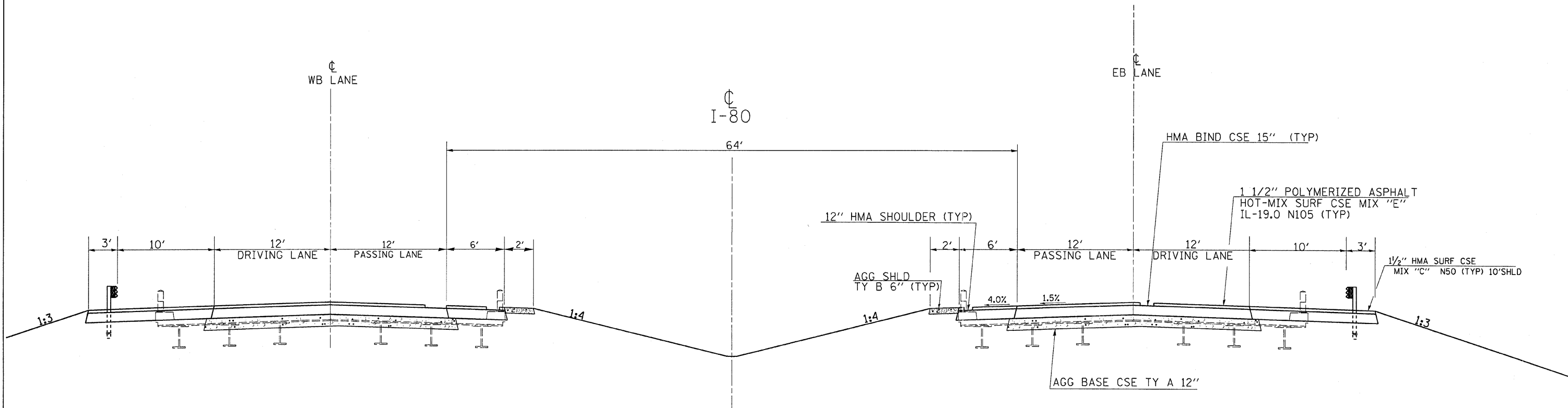


I-80



EXISTING  
TYPICAL SECTION

MEDIAN STA 404+57 TO STA 406+29



PROPOSED TYPICAL SECTION

MEDIAN STA 404+57 TO STA 406+29

FOR SN 006-0034 AND 006-0035 TBR

REVISIONS	
NAME	DATE

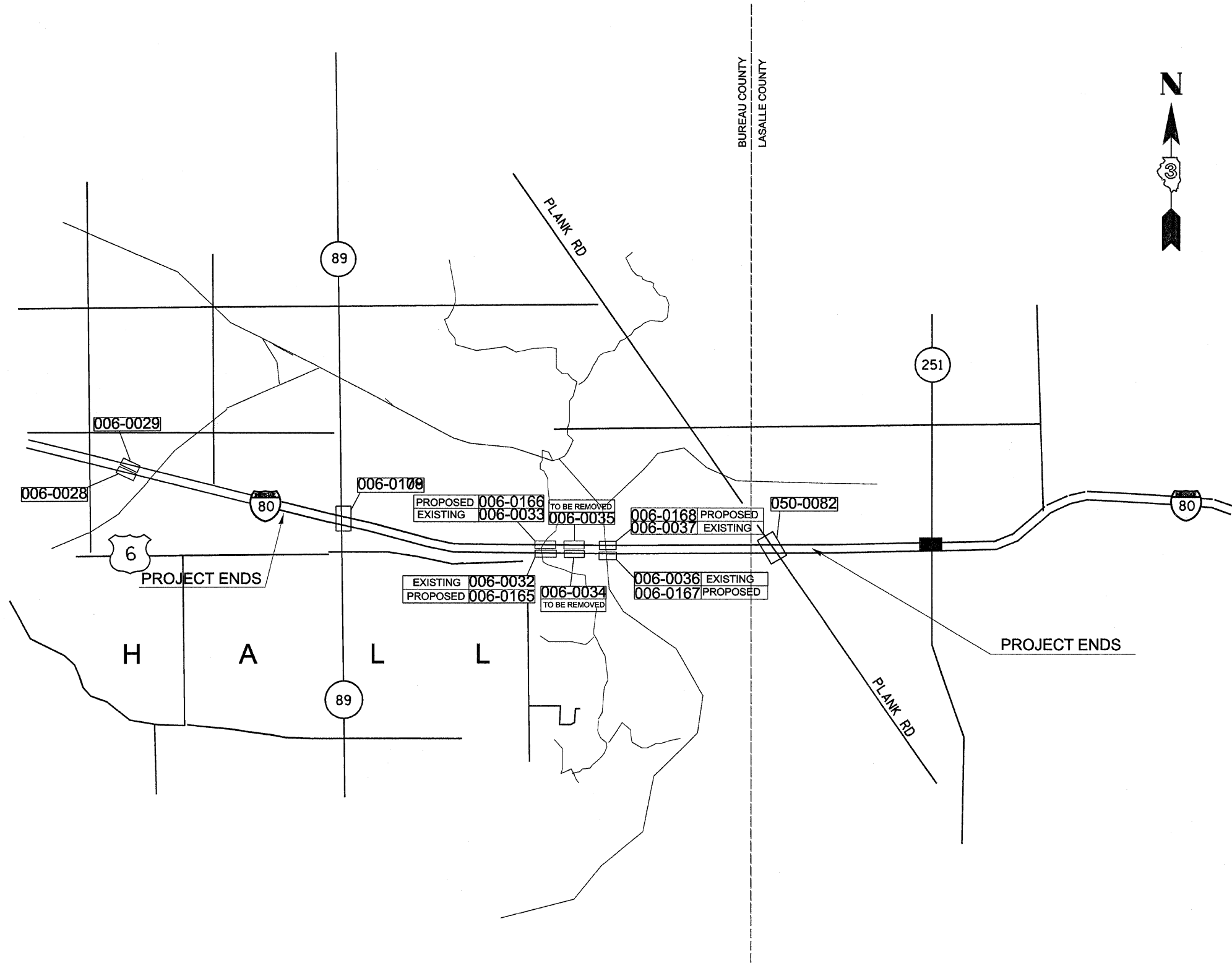
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**TYPICAL SECTION**  
**RR BR REM**  
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# WEST OF IL 89 TO WEST OF IL 251

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	11
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	13

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

FED. ROAD DIST. NO. \_\_\_\_\_ ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

LOG MILE	CLASS B PATCHING 17" EBL														
	STA	CL B PATCH TY II		CL B PATCH TY III		CL B PATCH TYIV		DOWEL BARS		SAW CUTS		PAV'T FABRIC		TIE BARS	
		PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL
69.07	1803+19.	8	8					20	20	48	48				
69.12	1805+83.		8						20		48				
69.15	1807+41.4	8	8					20	20	48	48				
69.19	1809+52.6		8						20		48				
69.25	1812+69.4	8						20		48					
69.27	1813+75.		8						20		48				
	STA. EQ. 1815+21.84(BK)=275+00(AH)														
69.29	275+00.	8	8					20	20	48	48				
69.33	277+11.2		8						20		48				
69.35	278+16.8	8	8					20	20	48	48				
69.37	279+22.4	8						20		48					
69.39	280+28.			16				20		60		16			
69.41	281+33.6	8				26.67		20	20	48	76		26.67		
69.43	282+39.2	8	8					20	20	48	48				
69.45	283+44.8		8						20		48				
69.47	284+50.4	8						20		48					
69.49	285+56.		8						20		48				
69.51	286+61.6	8	8					20	20	48	48				
69.53	287+67.2		8						20		48				
69.55	288+72.8		8			26.67		20	20	76	48	26.67			
69.57	289+78.4		8						20		48				
69.59	290+84.	8	8					20	20	48	48				
69.61	291+89.6		8						20		48				
69.63	292+95.2	8	8					20	20	48	48				
69.65	294+00.8			16					20		60		16		
69.67	295+06.4	8	8					20	20	48	48				
69.69	296+12.		8						20		48				
69.71	297+17.6	8	8					20	20	48	48				
69.73	298+23.2		8						20		48				
69.75	299+28.8	8	8					20	20	48	48				
	STA. EQ. 300+00(BK)= 299+98.81(AH)														
69.77	300+34.4		8						20		48				
69.79	301+40.		8						20		48				
69.84	304+04.	8						20		48					
69.87	305+62.4		8						20		48				
69.89	306+68.	8	8					20	20	48	48				
69.93	308+79.2		8						20		48				
69.95	309+84.8	8	8					20	20	48	48				
69.97	310+90.4		8						20		48				
69.99	311+96.	8	8					20	20	48	48				
70.05	315+12.8	13.33	13.33					20	20	56	56				
70.09	317+24.		8						20		48				
70.13	319+35.2		8						20		48				
70.23	324+63.2	8	10.67					20	20	48	52				
70.24	325+16.		10.67						20		52				
70.4	333+60.8	8	10.67					20	20	48	52				
70.41	334+13.6		10.67						20		52				
70.42	334+66.4		8						20		48				
70.55	341+52.8	8	8					20	20	48	48				
70.56	342+05.6	10.67	10.67					20	20	52	52				
70.57	342+58.4		8						20		48				
70.6	344+16.8	10.67	13.33					20	20	52	56				
70.61	344+69.6	8	8					20	20	48	48				
70.63	345+75.2		8						20		48				
70.64	346+28.		8						20		48				
70.65	346+80.8		8						20		48				
70.71	349+97.6	10.67	10.67					20	20	52	52				
70.72	350+50.4		8						20		48				
70.73	351+03.2		8	16				20	20	60	48	16			

- \* STA EQUATION
- \*(1) STA 1815+21.84 BK = STA 275+00 AH
- \*(2) STA 300+00.00 BK = STA STA 299+98.81 AH
- \*(3) STA 395+00 BK = TO STA 395+06.40 AH

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	14
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				
*106-14 & 50-8/RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

CLASS B PATCHING 17" SCHEDULE  
I-80 EBL

LOCATION BY STATION	CL B PATCH TY II SQ YD		CL B PATCH TY III SQ YD		CL B PATCH TYIV SQ YD		DOWEL BARS EACH		SAW CUTS FOOT		PAVEMENT FABRIC SQ YD		TIE BARS EACH		
	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	
70.74		8						20		48					
70.75		8						20		48					
70.76		8						20		48					
70.77		13.33	13.33					20		56					
70.78		8						20		48					
70.82			10.67					20		52					
70.85		8						20		48					
70.89		13.33	13.33					20		56					
70.96		10.67	10.67					20		52					
71.12			8					20		48					
71.15			8					20		48					
71.21			8					20		48					
71.22			8					20		48					
71.3					20			20				20			
71.32					16			20		66			16		
71.35		8	8					20		60					
71.46			8					20		48					
71.5		10.67	10.67					20		52					
71.56			8					20		48					
	STA. EQ. 395+00(BK)=395+06.40(AH)														
71.6			8					20		48					
71.68						40		20		96		40		15	
71.86						33.33		20		86		33.33		12	
71.9		8	8					20		48					
72.2		10.67	10.67					20		52					
72.21		8	8					20		48					
72.22		8						20		48					
72.23			8					20		48					
72.3			8					20		48					
72.31			8					20		48					
72.32			8					20		48					
72.33		8	8					20		48					
72.34			8					20		48					
72.35			8					20		48					
72.36		8	8					20		48					
72.37		10.67	10.67					20		52					
72.38		8	8					20		48					
72.39		8	10.67					20		48					
72.41			8					20		48					
72.42			8					20		48					
72.43			8					20		48					
72.44		10.67	10.67					20		52					
72.48			8					20		48					
72.5		8	8					20		48					
72.52			8					20		48					
72.53			8					20		48					
72.54			8					20		48					
72.55			8			26.67	26.67	20		76		26.67	26.67	10 10	
72.56		8	8					20		48					
72.57			8					20		48					
72.58		8	8					20		48					
72.59		8	8					20		48					
72.6			8					20		48					
72.61		8	8					20		48					
72.62			8					20		48					
72.63		8						20		48					
72.66					16			20		60		16			
72.68			10.67					20		52					
72.7			8					20		48					
72.75		10.67	10.67					20		52					
72.81			8					20		48					
72.82		8	8					20		48					
	BUREAU COUNTY TOTAL EBL														
		472.02	861.37	32	68	53.34	126.67	1160	2160	2924	5472	85.34	194.67	10 37	
	LASALLE/BUREAU COUNTY LINE STA 462+39.33														
72.9		10.67	10.67					20		52					
72.95		8	8					20		48					
72.96		8	8					20		48					
	LASALLE COUNTY TOTAL EBL														
		26.67	34.67	0	0	0	0	60	80	148	196	0	0	0 0	
72.98															
	TOTAL BUREAU COUNTY														
		1333.39		100		180.01		3320		8396		280.01		47	
	TOTAL LASALLE COUNTY														
		61.34		0		0		140		344		0		0	
	TOTAL EBL														
			1394.73		100		180.01		3460		8740		280.01		47

- \* STA EQUATION
- \*(1) STA 1815+21.84 BK = STA 275+00 AH
- \*(2) STA 300+00.00 BK = STA STA 299+98.81 AH
- \*(3) STA 395+00 BK = TO STA 395+06.40 AH

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	16
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

CLASS B PATCHING 17" SCHEDULE  
I-80 WESTBOUND LANE

LOCATION BY STATION	CL B PATCH TY II		CL B PATCH TY III		CL B PATCH TY IV		DOWEL BARS		SAW CUTS		PAVEMENT FABRIC		TIE BARS		
	SO YD		SO YD		SO YD		EACH		FOOT		SO YD		EACH		
	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	PL	DL	
70.48	337+83.2	8	8					20	20	48	48				
70.5	338+88.8	8	8					20	20	48	48				
70.56	342+05.6	8						20		48					
70.57	342+58.4		8						20		48				
70.58	343+11.2		8						20		48				
70.67	347+86.4	8						20		48					
70.75	352+08.8		8						20		48				
70.85	357+36.8	10.67						20		52					
70.95	362+64.8		10.67					20	20	52					
71.1	370+56.8	8			24			20	20	48	72		24		
71.13	372+15.2		8						20		48				
71.25	378+48.8	8	8					20	20	48	48				
71.26	379+01.6			20	20			20	20	66	66	20	20		
71.28	380+07.2		8						20		48				
71.29	380+60.	8	8					20	20	48	48				
71.33	382+71.2			20	20			20	20	66	66	20	20		
71.34	383+24.	8	8					20	20	48	48				
71.35	383+76.8	8	8					20	20	48	48				
71.36	384+29.6		8						20		48				
	STA. EQ. 395+00(BK)=395+06.40(AH)														
71.57	395+38.4		8						20		48				
71.65	399+60.8	8	10.67					20	20	48	52				
71.66	400+13.6			20	20			20	20	66	66	20	20		
71.67	400+66.4	8	8					20	20	48	48				
71.69	401+72.		8						20		48				
71.7	402+24.8	8	8					20	20	48	48				
71.75	404+88.8	8	10.67					20	20	48	52				
71.76	405+41.6	8	8					20	20	48	48				
71.77	405+94.4				20				20		66		20		
72.09	422+84.	8						20		48					
72.11	423+89.6		8						20		48				
72.12	424+42.4	8	8					20	20	48	48				
72.15	426+00.8					26.67	26.67	20	20	76	76	26.67	26.67		
72.18	427+59.2		8						20		48				
72.19	428+12.				20				20		66		20		
72.2	428+64.8		13.33			33.33		20	20	86	56	33.33		12	
72.21	429+17.6						26.67		20		76		26.67		
72.22	429+70.4		8						20		48				
72.23	430+23.2	8	8					20	20	48	48				
72.25	431+28.8	8	8					20	20	48	48				
72.33	435+51.2			20			33.33	20	20	66	86	20	33.33		12
72.34	436+04.		8						20		48				
72.36	437+09.6		8						20		48				
72.4	439+20.8		10.67						20		52				
72.42	440+26.4	8	8					20	20	48	48				
72.45	441+84.8	10.67	8					20	20	52	48				
72.7	455+04.8	8	8					20	20	48	48				
	BUREAU COUNTY TOTAL WBL	288.01	536.02	136	228	86.67	140.01	900	1620	1734	2418	222.67	368.01	12	12
	LASALLE/BUREAU COUNTY LINE STA 462+39.33														
72.85	462+96.8		8						20		48				
72.87	464+02.4			16	16			20	20	60	60	16	16		
72.96	468+77.6		13.33						20		56				
	469+30.4	10.67	10.67					20	20	52	52				
	LASALLE COUNTY TOTAL WBL	10.67	32	16	16	0	0	40	80	112	216	16	16	0	0
72.97															
	TOTAL BUREAU COUNTY WBL	824.03		364		226.68		2520		4152		590.68		24	
	TOTAL LASALLE COUNTY WBL	42.67		32		0		120		328		32		0	
	TOTAL WBL		866.7		396		226.68		2640		4480		622.68		24

- \* STA EQUATION
- \*(1) STA 1815+21.84 BK = STA 275+00 AH
- \*(2) STA 300+00.00 BK = STA STA 299+98.81 AH
- \*(3) STA 395+00 BK = TO STA 395+06.40 AH

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	17
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

CLASS B PATCHING 17" SCHEDULE LASALLE COUNTY-RAMPS @ PLANK ROAD							
LOCATION BY STATION	CL B PATCH TY II SQ YD	CL B PATCH TY III SQ YD	CL B PATCH TY IV SQ YD	DOWEL BARS EACH	SAW CUTS	PAVEMENT FABRIC SQ YD	TIE BARS EACH
					FOOT		
SW RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
SE RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
NE RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
NW RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
LASALLE COUNTY RAMP TOTAL	256.08	0	0	672	1440	0	
BUREAU COUNTY TOTAL (EB+WB+RAMPS)	2413	464	407	6512	13988	870	71
LASALLE COUNTY TOTAL (EB+WB+RAMPS)	360	32	0	932	2112	32	0
GRAD TOTAL	2773	496	407	7444	16100	902	71

CLASS B PATCHING 17" SCHEDULE BUREAU COUNTY - RAMPS @ IL 89							
LOCATION BY STATION	CL B PATCH TY II SQ YD	CL B PATCH TY III SQ YD	CL B PATCH TYIV SQ YD	DOWEL BARS EACH	SAW CUTS	PAVEMENT FABRIC SQ YD	TIE BARS EACH
					FOOT		
SW RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
SE RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
NE RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
NW RAMP							
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
	10.67			28	60		
BUREAU COUNTY RAMP TOTAL	256.08	0	0	672	1440	0	

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	18

STA. _____	TO STA. _____
FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

HMA SURFACE REMOVAL SPECIAL 2"					
LOCATION	STATION TO STATION	LENGTH	HMA SURF REM 2"	HMA SC "D" N70	
		FT	SQ YD	TONS	
EASTBOUND	BUREAU COUNTY	1803+19 TO 1815+21.84 (BK)	1202.8	267.3	29.9
		275+00 (AH) TO 300+00 (BK)	2500.0	555.6	62.2
		299+98.81 (AH) TO 395+00.00 (BK)	9501.2	2111.4	236.5
		395+06.4 (AH) TO 399+07.07	400.7	89.0	10.0
	(SN 006-0165) GAP	399+07 TO 401+37			
		401+37 TO 404+73.50	336.5	74.8	8.4
	(SN006-0034) GAP	404+73.5 TO 406+49.50			0.0
		406+49.50 TO 412+53	603.5	134.1	15.0
	(SN 006-0167) GAP	412+53 TO 414+68.59			
		414+68.59 TO 462+39.33	4770.7	1060.2	118.7
	BUREAU COUNTY SUB-TOTAL		4292.3	480.7	
	LASALLE CO SUB-TOTAL	462+39.33 TO 533+50	7110.7	1580.1	177.0
WESTBOUND	BUREAU COUNTY	1803+19 TO 1815+21.84 (BK)	1202.8	267.3	29.9
		275+00.00 (AH) TO 300+00.00 (BK)	2500.0	555.6	62.2
		299+98.81 (AH) TO 395+00.00 (BK)	9501.2	2111.4	236.5
		395+06.4 (AH) TO 399+07.07	400.7	89.0	10.0
	(SN 006-0166) GAP	399+07 TO 401+37			
		401+37 TO 404+32.48	295.5	65.7	7.4
	(SN 006-0035) GAP	404+32.48 TO 406+08.48			0.0
		406+08.48 TO 412+11	602.5	133.9	15.0
	(SN 006-0168) GAP	GAP			0.0
		412+11 TO 462+39.33	5028.3	1117.4	125.1
	BUREAU COUNTY SUB-TOTAL		4340.2	486.1	
	LASALLE COUNTY SUB-TOTAL	462+39.33 TO 533+50.00	7110.7	1580.1	177.0
	BUREAU COUNTY TOTAL		8632.5	966.8	
	LASALLE COUNTY TOTAL		3160.3	354.0	
	GRAND TOTAL		11792.8	1320.8	

SHOULDER RUMBLE STRIP			
EASTBOUND		WESTBOUND	
EASTBOUND (RT)	FT	WESTBOUND (RT)	FT
Bureau County		Bureau County	
STA 1803+19 TO STA 1815+21.84 (BK) =	1203	STA 1803+19 TO STA 1815+21.84 (BK) =	1203
STA 275+00.00 (AH) TO STA 298+64.83	2365	STA 275+00.00 (AH) TO STA 300+00.00 (BK)	2500
(GAP) SW OFF RAMP TO IL 89		STA 299+98.81 (AH) TO STA 395+00 (BK)	9501
STA 302+94.52 TO STA 322+23	1928	STA 395+06.40 (AH) TO STA 399+07.07	401
(GAP) SE ON RAMP FROM IL 89		(GAP) BR APPROACH & PR SN 006-0166	
STA 330+42 TO ST 395+00.00 (BK)	6458	STA 401+37.07 TO STA 412+26.12	1089
STA 395+06.40 (AH) TO STA 399+07.07	401	(GAP) BR APPROACH & PR SN 006-0168	
(GAP) BR APPROACH & PR SN 006-0165		STA 414+40.62 TO STA 462+39.33	4799
STA 401+37.07 TO STA 412+53.48	1116	LaSalle County	
(GAP) BR APPROACH & PR SN 006-0167		STA 462+39.33 STA 533+50	7111
STA 414+68.59 TO STA 462+39.33	4771	WESTBOUND (LT)	FT
LaSalle County		Bureau County	
STA 462+39.33 STA 480+97.57	1858	STA 1803+19 TO STA 1815+21.84 (BK) =	1203
(GAP) SW OFF RAMP TO PLANK ROAD		STA 275+00 (AH) STA 293+61.32	1861
STA 489+57.14 TO STA 504+67.34	1510	(GAP) ON RAMP FROM IL 89	
(GAP) SE ON RAMP FROM PLANK ROAD		Sta 302+11.72 TO STA 321+51.79	1940
STA 521+92.38 TO STA 533+50	1158	(GAP) OFF RAMP TO IL 89	
EASTBOUND (LT)	FT	STA 326+57.93 TO STA 395+00 (BK)	6842
Bureau County		STA 395+06.40 (AH) TO STA 399+07.07	401
STA 1803+19 TO STA 1815+21.84 (BK) =	1203	(GAP) BR APPROACH & PR SN 006-0166	
STA 275+00 (AH) STA 300+00.00 (BK)	2500	STA 401+37.07 TO STA 412+11.08	1074
STA 299+98.81 (AH) TO STA 395+00 (BK)	9501	(GAP) BR APPROACH & PR SN 006-0168	
STA 395+06.40 (AH) TO STA 399+07.07	401	STA 414+25.58 TO STA 462+39.33	4814
(GAP) BR APPROACH & PR SN 006-0165		LaSalle County	
STA 401+37.07 TO STA 412+39.07	1102	STA 462+39.33 TO STA 470+69.52	830
(GAP) BR APPROACH & PR SN 006-0167		(GAP) NW ON FROM RAMP PLANK ROAD	
STA 414+54.12 TO STA 462+39.33	4785	STA 487+79.84 TO STA 503+05.46	1526
LaSalle County		(GAP) NW OFF RAMP TO PLANK ROAD	
STA 462+39.33 TO 533+50	7111	STA 511+45.84 TO STA 533+50	2204
EASTBOUND TOTAL	49371	WESTBOUND TOTAL	49298
LaSalle County TOTAL			23307
BUREAU COUNTY TOTAL			75360
GRAND TOTAL		98668	

TRAFFIC CROSS OVERS				
LOCATION		HMA SC MIX "C" N50	IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3	
BUREAU CO			EACH	
STA	STA	SQ YD	TONS	
342+42	349+97	2879.6	362.8	10
438+90	445+60	2077.6	261.8	10
TOTAL			624.6	20

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	19
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
*(06-14 & 50-0)RS-1(14B,B-1,VB,VE-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

GUARDRAIL																	
STA TO STA	LT RT	TERM MKR DIR APP	TBT TY I SP (TAN)	SPBGR TY A	TBT TY 6	TBT TY 2	GR MKR	BAR WAL MK	STA TO STA	LT RT	TERM MKR DIR APP	TBT TY I SP (TAN)	SPBGR TY A	TBT TY 6	TBT TY 2	GR MKR	BAR WAL MK
BUREAU CO (EB)									BUREAU CO (WB)								
STA 396+06.5 TO STA 396+56.5	RT	1	1				4		STA 398+81.5 TO STA 398+94	RT					1		
STA 396+56.5 TO STA 398+94	RT			237.5					STA 398+94 TO STA 399+37	RT				1			1
STA 398+94 TO STA 399+37	RT				1				SN 006-0166								1
SN 006-0165								2	STA 401+07 TO STA 401+50	RT				1			
STA 401+07 TO STA 401+50	RT				1		2		STA 401+50 TO STA 404+50	RT			300				
STA 401+50 TO STA 412+40	RT			1090					STA 404+50 TO STA 405+00	RT	1	1					5
STA 412+40 TO STA 412+83	RT				1												
SN 006-0167								1	STA 412+00.5 TO STA 412+13	RT					1		
STA 414+38 TO STA 414+81	RT				1		1		STA 412+13 TO STA 412+56	RT				1	1		1
STA 414+81 TO STA 414+93.5	RT					1			SN 006-0168								1
									STA 414+10.5 TO STA 414+53.5	RT				1			
STA 395+44 TO STA 395+94	LT	1	1				5		STA 414+53.5 TO STA 417+53.5	RT			300				5
STA 395+94 TO STA 398+94	LT			300					STA 417+53.5 TO STA 418+03.5	RT	1	1					
STA 398+94 TO STA 399+37	LT				1												
SN 006-0165								1	STA 398+81.5 TO STA 398+94	LT					1		
STA 401+07 TO STA 401+50	LT				1		1		STA 398+94 TO STA 399+37	LT				1			
STA 401+50 TO STA 401+62.5	LT					1			SN 006-0166								1
									STA 401+07 TO STA 401+50	LT				1			
STA 408+76 TO STA 409+26	LT	1	1				5		STA 401+50 TO STA 411+98	LT			1048				
STA 409+26 TO STA 412+26	LT			300					STA 411+98 TO STA 412+41	LT				1			3
STA 412+26 TO STA 412+69	LT				1				SN 006-0168								1
SN 006-0167								1	STA 413+95.5 TO STA 415+38.5	LT				1			
STA 414+24 TO STA 414+67	LT				1		1		STA 415+38.5 TO STA 417+88.5	LT			250				5
STA 414+67 TO STA 414+79.5	LT					1			STA 417+88.5 TO STA 418+38.5	LT	1	1					
(EB) SUBTOTAL		3	3	1927.5	8	3	19	5	(WB) SUB TOTAL		3	3	1898	8	3	20	4
(EB & WB) GRAND TOTAL																	
									6 6 3825.5 16 6 39 9								

GUARDRAIL REMOVAL		
LOCATION	LT/RT	FT
BUREAU CO (EB)		
STA 394+56 TO STA 399+28	RT	472
EX SN 006-0032		
STA 401+14 TO STA 404+85	RT	372
EX SN 006-0034		
STA 406+56 TO STA 412+73	RT	617
EX SN 006-0036		
STA 414+40 TO STA 414+79	RT	39
STA 396+42 TO STA 399+29	LT	287
EX SN 006-0032		
STA 401+14 TO STA 401+56	LT	42
STA 403+14 TO STA 404+64	LT	155
EX SN 006-0034		
STA 406+36 TO STA 406+76	LT	40
STA 409+63 TO STA 412+59	LT	296
EX SN 006-0036		
STA 414+24 TO STA 414+80	LT	56
(EB) SUB-TOTAL		2376
BUREAU CO (WB)		
STA 398+89 TO STA 399+28	RT	39
EX SN 006-0033		
STA 401+14 TO STA 403+62	RT	250
STA 404+03 TO STA 404+42	RT	39
EX SN 006-0035		
STA 406+20 TO STA 409+31	RT	314
STA 412+04 TO STA 412+48	RT	44
EX SN 006-0037		
STA 414+10 TO STA 417+10	RT	300
STA 398+88 TO STA 399+27	LT	39
EX SN 006-0033		
STA 401+14 TO STA 404+27	LT	313
EX SN 006-0035		
STA 406+02 TO STA 412+41	LT	639
EX SN 006-0037		
STA 414+12 TO STA 418+17	LT	405
(WB) SUB-TOTAL		2362
GRANDTOTAL		4738

DRAINAGE SCHEDULE									
LOCATION	REMOVING INLETS	REMOVING MANHOLES	STORM SEWER REMOVAL 15"	STORM SEWER CLASS A, TYPE 1 24"	PIPE CULV, CLASS D TYPE 1, 24"	PLUG EXISTING STORM SEWERS	METAL END SECTIONS 24"	MANHOLES, TYPE A 4' DIAMETER T1 FRAME, CL	FLUSH INLET BOX FOR MEDIAN STD 542546
STA. TO STA.	EACH	EACH	FOOT	FOOT	FOOT	EACH	EACH	EACH	SQ YD
401+53 LT	1	1	60	70	12		1	1	1
406+69 LT	1	1				1			
414+60 LT	1	1	60	70	12		1	1	1
TOTAL	3	3	120	140	24	1	2	2	2

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	20
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

STATION		OFFSET FROM CENTERLINE	6-15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
<b>EASTBOUND</b>	<b>RT</b>			
391+73	RT	95'		29
398+38	RT	90'	11	
398+57	RT	90'	12	
398+79	RT	90'	6	
399+07	RT	90'		30
399+35	RT	90'	11	
399+43	RT	90'	7	
399+44	RT	90'	7	
399+44	RT	90'	7	
399+56	RT	85'	10	
399+57	RT	105'	9	
400+67	RT	100'	7	
400+70	RT	115'	14	
400+71	RT	125'	12	
400+72	RT	170'	12	
401+06	RT	105'	19	
401+78	RT	120'	14	
402+46	RT	120'	14	
402+46	RT	120'	14	
403+24	RT	100'	13	
403+54	RT	110'	14	
404+15	RT	90'	7	
404+16	RT	85'	7	
404+52	RT	85'	14	
404+53	RT	88'	7	
404+53	RT	88'	7	
406+17	RT	75'	8	
409+95	RT	95'	8	
412+08	RT	95'	8	
412+32	RT	90'	10	
412+33	RT	90'	14	
412+72	RT	120'	19	
416+28	RT	98'	10	
416+50	RT	120'	7	
417+08	RT	110'	7	
419+28	RT	110'	9	
<b>TOTAL</b>			<b>355</b>	<b>59</b>

STATION		OFFSET FROM CENTERLINE	6-15 UNIT DIAMETER	OVER 15 UNIT DIAMETER
<b>WESTBOUND</b>	<b>LT</b>			
395+10	LT	100'	8	
395+11	LT	100'	8	
395+36	LT	90'	7	
396+36	LT	100'	7	
398+10	LT	100'	7	
399+45	LT	70'	7	
401+20	LT	95'		18
401+60	LT	105'	8	
401+95	LT	90'		38
402+30	LT	150'	10	
402+74	LT	130'	14	
402+79	LT	120'	7	
402+90	LT	85'		18
403+04	LT	95'	7	
403+24	LT	75'		20
403+50	LT	90'	7	
403+55	LT	140'		38
403+71	LT	135'	14	
403+73	LT	135'		21
403+75	LT	135'		29
404+02	LT	65'	7	
404+55	LT	90'	8	
404+57	LT	80'	9	
405+11	LT	65'	14	
405+50	LT	70'	7	
406+67	LT	95'	7	
408+45	LT	135'	10	
410+30	LT	90'	9	
412+30	LT	110'	10	
413+61	LT	90'	7	
413+62	LT	90'	7	
413+63	LT	90'	7	
413+78	LT	85'	7	
413+79	LT	85'	7	
413+93	LT	115'	12	
413+94	LT	115'	12	
413+98	LT	100'	7	
413+99	LT	100'	7	
414+00	LT	100'	7	
414+11	LT	100'	7	
414+12	LT	100'	7	
414+13	LT	100'	7	
414+24	LT	100'	7	
414+25	LT	100'	7	
414+26	LT	100'	7	
414+40	LT	100'	7	
414+41	LT	100'	7	
414+42	LT	100'	7	
414+44	LT	100'	7	
414+58	LT	100'	7	
416+05	LT	120'	10	
<b>TOTAL</b>			<b>359</b>	<b>182</b>

(1) STA TO STA	(2) EARTH EX	(3) EARTH EX ADJ FOR SHRINKAGE	(4) EMBANK **	(5) EARTHWORK BAL WASTE(+) OR SHORTAGE(-)
	CU YD	CU YD	CU YD	CU YD
<b>BUREAU CO</b>				
390+41 TO 399+37	1271	953	716	237
PR SN 006-0166				
401+07 TO 404+32	0		2477	-2477
EX SN 006-0035				
406+09 TO 412+56	0		4449	-4449
PR SN 006-0168				
414+10 TO 426+00	132	99	1378	-1279
390+41 TO 399+37	3	2	1534	-1532
PR SN 006-0165 & 0166				
401+07 TO 404+32	72	54	141	-87
EX SN 006-0034 & 0035			30990	-30990
406+09 TO 412+56	160	120	1077	-957
PR SN 006-0167 & 0168				
414+10 TO 426+00	0		1733	-1733
390+41 TO 399+37	126	95	1474	-1380
PR SN 006-0165				
401+07 TO 404+32	0		2358	-2358
EX SN 006-0034				
406+09 TO 412+56	0		6373	-6373
PR SN 006-0167				
414+10 TO 426+00	334	251	2281	-2031
<b>EXISTING MAINTENANCE</b>				
<b>CROSS-OVERS TBR *</b>				
1814+65	235			
464+02	235			
<b>TOTALS</b>	<b>2568</b>	<b>1574</b>	<b>56981</b>	<b>-55407.5</b>

COLUMNS 1, 2, AND 4-LOCATION AND QUANTITIES FROM CROSS SECTIONS  
 COLUMN 3- QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 25% (1- SHRINKAGE FACTOR)  
 COLUMN 5 EARTHWORK REQUIRED (PAY FOR AS FINISHED EXCAVATION)

- \* TO BE PERFORMED IN POST STAGE II CONSTRUCTION-TO BE REMOVED FROM JOB-SITE
- \*\*TOP FOUR INCHES SHALL BE VEGETATIVE SUSTAINING SOIL-INCLUDED IN THE COST OF FURNISHED EXCAVATION

LOCATION	PERIMETER EROSION BARRIER	TEMP DITCH CHECKS
<b>STA TO STA</b>	<b>FT</b>	<b>EACH</b>
391+00 TO 398+80	180	10
398+00 TO 399+80	71	
399+80 (60' RT TO 131' RT)	75	
400+68 (60' RT TO 135' RT)	1212	
400+68 TO 412+80	100	
414+14 (60' RT TO 160' RT)	34	
414+81 TO 415+15		13
415+15 TO 427+00	300	
420+00 TO 423+00		
391+00 TO 398+80	20	10
399+00 TO 398+80	65	
398+80 (60' LT TO 125' LT)	86	
400+68 (60' LT TO 146' LT)	432	
400+68 TO 405+00	8	
405+00 (137' LT TO 145' LT)	748	
405+00 TO 412+48	77	
412+48 (60' LT TO 137' LT)	61	
414+00 (60' LT TO 121' LT)	700	
414+00 TO 421+00		7
421+00 TO 427+00		
<b>TOTAL</b>	<b>4169</b>	<b>40</b>

LOCATION	SEEDING CLASS III	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	MULCH METHOD 2	HEAVY DUTY EXCELSIOR BLANKET	TEMP EROSION CONTROL SEEDING
<b>STA TO STA</b>	<b>ACRE</b>	<b>POUND</b>	<b>POUND</b>	<b>POUND</b>	<b>ACRE</b>	<b>SQ YD</b>	<b>POUND</b>
390+41 TO 399+37	0.7	66	66	66		3388	220
390+41 TO 399+37	0.7	66	66	66	0.7		220
390+41 TO 399+37	0.7	66	66	66		3388	220
PR SN 006-0166							
401+07 TO 412+56	1.1	99	99	99		5324	330
401+07 TO 412+56	1.1	99	99	99	1.1		330
401+07 TO 412+56	1.1	99	99	99		5324	330
PR SN 006-0168							
414+10 TO 426+00	0.6	54	54	54		2904	180
414+10 TO 426+00	0.6	54	54	54	0.6		180
414+10 TO 426+00	0.6	54	54	54		2904	180
<b>TOTAL</b>	<b>7.3</b>	<b>657</b>	<b>657</b>	<b>657</b>	<b>2.4</b>	<b>23232</b>	<b>2190</b>

USE MULCH METHOD 2 IN MEDIANS AND HEAVY DUTY EXCELSIOR BLANKET ON THE REST

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 USER NAME = br-aboggo

# SCHEDULE OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	21

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_  
 FED. ROAD DIST. NO. \_\_\_\_\_ ILLINOIS FED. AID PROJECT  
 \*106-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\* BUREAU & LASALLE

PAVEMENT MARKINGS

LOCATION	LENGTH	THPL	THPL	THPL	THPL	THPL	THPL	POLY UREA	POLY UREA	POLY UREA	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	RAISED	RAISED	BR	SHORT	WORK	DELIN	DELIN	
		PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	REF	REF	RAISED	TERM	ZONE	REM	DELIN	
		MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MKR	MKR	REF	PVT	PVT	MKR	REM	DELIN
		4"	4"	6"	8"	12"	24"	4"	4"	6"	4"	4"	6"	8"	12"	24"	MKR	MKR	PVT	MKR	MKR	MKR	REM	DELIN
WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	YELLOW	WHITE	WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	REM	REM	MKR	FT	SO FT	EACH	EACH		
FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	FT	SO FT	EACH	EACH		
<b>BUREAU CO (EB)</b>																								
STA 1803+19 TO STA 1815+21.84 (BK)	*(1)	RT	1203	1203																	144	48		
STA 275+00 (AH) TO 298+64.83		RT	2365	2365																	284	95		
GAP SW OFF RAMP TO IL 89		RT																						
GORE STA 301+10.14 TO STA 303+44.09		RT	234				234								234									
STA 303+44 TO STA 321+73.56		RT	1830	1829																	220	73		
GORE STA 321+73.56 TO STA 323+78.27		RT	205				205								205									
GAP SE ON RAMP FROM IL 89		RT																						
STA 330+42 TO STA 395+00 (BK)	*(3)	RT	6458	6458																	775	258		
STA 395+06.49 (AH) TO STA 399+07.07		RT	401	199																				
CONC BR APPR STA 399+07.07 TO STA STA 399+37.07		RT	30					30	30	8	30													
SN 006-0165 STA 399+37.07 TO STA 401+07.07		RT	170					170	170	39	170						3	3	3					
CONC BR APPR STA 401+07.07 TO STA 401+37.07		RT	30					30	30	8	30													
STA 401+37.07 TO STA 412+53.48		RT	1116	1116																	134	45		
CONC BR APPR STA 412+53.48 TO STA 412+83.48		RT	30					30	30	8	30													
SN 006-0167 STA 412+83.48 TO STA 414+38.59		RT	155					155	170	39	155						3	3	3					
CONC BR APPR STA 414+38.59 TO STA 414+68.59		RT	30					30	30	8	30													
STA 414+68.59 TO STA 462+39.33		RT	4771	4771																	572	191	104	104
STA 1803+19 TO STA 1815+21.84 (BK)	*(1)	CL	1203				301								301		30	30			1925	642		
STA 275+00.00 (AH) TO STA 300+00.00 (BK)	*(2)	CL	2500				625								625		63	63			4000	1333		
STA 299+98.81 (AH) TO STA 395+00.00 (BK)	*(3)	CL	9501				2375								2375		238	238			15202	5067		
STA 395+06.49 (AH) TO STA 462+39.33		CL	6733				1683								1683		168	168			10773	3591		
STA 1803+19 TO STA 1815+21.84 (BK)	*(1)	LT	1203				1203								1203									
STA 275+00.00 (AH) TO STA 300+00.00 (BK)	*(2)	LT	2500				2500								2500									
STA 299+98.81 (AH) TO STA 395+00.00 (BK)	*(3)	LT	9501				9501								9501									
STA 395+06.49 (AH) TO STA 462+39.33		LT	6733				6733								6733									
<b>BUREAU CO (WB)</b>																								
STA 1803+19 TO STA 1815+21.84 (BK)	*(1)	RT	1203	1203																				
STA 275+00.00 (AH) TO STA 300+00.00 (BK)	*(2)	RT	2500												2500									
STA 299+98.81 (AH) TO STA 395+00.00 (BK)	*(3)	RT	9501				9501								9501									
STA 395+06.40(AH) TO STA 462+39.33		RT	6733				6733								6733									
STA 1803+19 TO STA 1815+21.84 (BK)	*(1)	CL	1203				301								301		30	30			1925	642		
STA 275+00.00 (AH) TO STA 300+00.00 (BK)	*(2)	CL	2500				625								625		63	63			4000	1333		
STA 299+98.81 (AH) TO STA 395+00.00 (BK)	*(3)	CL	9501				2375								2375		238	238			15202	5067		
STA 395+06.40(AH) TO STA 462+39.33		CL	6733				1683								1683		168	168			10773	3591		
STA 1803+19 TO STA 1815+21.84 (BK)	*(1)	LT	1203	1203																	144	48		
STA 275+00.00 (AH) TO STA 293+61.32		LT	1861	1861											1861						223	74		
GAP NW ON RAMP TO IL 89		LT																						
GORE STA 300+94.72 TO STA 302+11.72		LT	117				117																	
STA 302+11.72 TO STA 321+01.79		LT	1890	1890											1890						227	76		
GORE STA 321+01.79 TO STA 323+16.38		LT	215				215																	
GAP NE OFF RAMP TO IL 89		LT																						
STA 326+57.93 TO STA 395+00.00 (BK)		LT	6842	6842											6842						821	274		
STA 395+06.40 (AH) TO STA 399+07.07		LT	401	401											401						48	16		
CONC BR APPR STA 399+07.07 TO STA STA 399+37.07		RT	30					30	30	8	30													
SN 006-0165 STA 399+37.07 TO STA 401+07.07		RT	170					170	170	43	170						3	3	3					
CONC BR APPR STA 401+07.07 TO STA 401+37.07		RT	30					30	30	8	30													
STA 401+37.07 TO STA 412+53.48		RT	1116	1074											1074						129	43		
CONC BR APPR STA 412+53.48 TO STA 412+83.48		RT	30					30	30	8	30													
SN 006-0167 STA 412+83.48 TO STA 414+38.59		RT	155					155	155	39	155						3	3	3					
CONC BR APPR STA 414+38.59 TO STA 414+68.59		RT	30					30	30	8	30													
STA 414+68.59 TO STA 462+39.33		RT	4814	4814											4814						578	193		
<b>BUREAU CO (EB &amp; WB) TOTAL</b>																								
			36026	39874	9968	771	0	0	890	905	224	36916	39874	9968	771	0	0	1010	1010	12	68099	22700	104	104
<b>LASALLE CO (EB)</b>																								
STA 462+39.33 TO STA 480+97.57		RT	1858	1858											1858						223	74		
GAP SW OFF RAMP TO PLANK RD		RT																						
GORE STA 485+14.23 TO STA 490+07.14		RT	493				493																	
STA 490+07.54 TO STA 504+17.38		RT	1410	1410											1410						169	56		
GORE STA 504+17.38 TO STA 506+97.31		RT	280				280																	
GAP SE ON RAMP FROM PLANK RD		RT																						
STA 521+92.38 TO STA 533+50		RT	1158	1158											1158						139	46		
STA 462+39.33 TO STA 533+50		CL	7111				1778										178	178			11377	3792		
STA 462+39.33 TO STA 533+50		LT	7111				7111																	
<b>LASALLE CO (WB)</b>																								
STA 462+39.33 TO STA 533+50		RT	7111				7111								0									
STA 462+39.33 TO STA 533+50		CL	7111				1778										178	178			11377	3792		
STA 462+39.33 TO STA 470+69.52		LT	830	830											830						100	33	40	40
GAP NW RAMP ON RAMP FROM PLANK ROAD		LT																						
GORE STA 485+03.87 TO STA 488+29.94		LT	326				326																	
STA 488+29.94 TO STA 502+53.82		LT	1424	1424											1424						171	57		
GORE STA 502+53.82 TO STA 507+30.58		LT	477				477																	
GAP NE OFF RAMP TO PLANK RD		LT																						
STA 511+45.84 TO STA 533+50		LT	2204	2204											2204						264	88		
<b>LASALLE CO TOTAL</b>																								
			8884	14222	3556	1576	0	0	0	0	0	8884												

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	22
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

PAVEMENT MARKINGS

LOCATION	LENGTH	THPL	THPL	THPL	THPL	THPL	THPL	POLY UREA	POLY UREA	POLY UREA	TEMP	TEMP	TEMP	TEMP	TEMP	TEMP	RAISED	RAISED	BR	SHORT	WORK	DELIN	DELIN	
		PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	PVT	REF	REF	RAISED	TERM	ZONE	REM		
		MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	MK LN	PVT	PVT	REF	PVT	PVT			
		4"	4"	6"	8"	12"	24"	4"	4"	6"	4"	4"	6"	8"	12"	24"	MKR	MKR	PVT	MKR	MKR			
	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	FT	SO FT	EACH	EACH	
<b>BUREAU CO IL 89 INTERCHANGE</b>																								
<b>(EB) SW OFF RAMP</b>																								
2' DASH STA 94+32.68 TO STA 96+78.35	LT	246	61								61													
STA 94+32.68 TO STA 110+75	RT	1642	1642								1642						33	33			197	66	22	22
STA 96+78.35 TO STA 99+07.7	LT	229			229									229										
GORE STA 99+07.70 TO STA 110+75	LT	1167		1167		132					1167				132									
STA 111+01 STOP BAR		48					48								48									
<b>(EB) SE ON RAMP</b>																								
STA 52+00 TO STA 69+87.76	RT	1788	1788								1788						33	33			215	72	24	24
STA 52+00 TO STA 61+23	LT	923		923							923													
GORE STA 61+23 TO STA 63+22.68	LT	200			200									200										
<b>(WB) NW ON RAMP</b>																								
GORE STA 89+43.70 TO STA 91+05.83	RT	162			162									162								24	24	
STA 91+05.83 TO STA 100+10	RT	904		904							904													
STA 82+08.79 TO STA 100+10	LT	1801		1801							1801						35	35			216	72	23	23
<b>(WB) NE OFF RAMP</b>																								
2' DASH STA 57+59.68 TO STA 60+80.92	RT	321		80							80													
STA 57+59.68 TO STA 74+75	RT	1715		1715							1715						35	35			206	69		
GORE STA 60+80.92 TO 62+94.20	LT	213			213	104								213	104									
STA 62+94.21 TO STA 74+75	LT	1181		1181							1181													
STA 75+10 STOP BAR		48					48								48									
BUREAU CO RAMP TOTAL			7088	4175	0	804	236	96	0		7088	4175	0	804	236	96	136	136	0	834	278	93	93	
<b>LASALLE CO PLANK RD INTERCHANGE</b>																								
<b>(EB) SW OFF RAMP</b>																								
2' DASH STA 480+97.57 TO STA 485+14.23	LT	417	104								104													
STA 480+97.57 TO STA 499+32	RT	1834	1834								1834											25	25	
GORE STA 485+14.23 TO STA 490+07.54	LT	493			493	303								493	303		48	48			220	73		
STA 490+07.54 TO STA 499+32	LT	924		924							924													
STA 499+67 STOP BAR		48					48								48									
<b>(EB) SE ON RAMP</b>																								
STA 498+71 TO STA 521+92.38	RT	2321	2321								2321											31	31	
STA 498+71 TO STA 504+17.38	LT	546		546							546													
GORE STA 504+17.38 TO STA 506+97.31	LT	280			280									280										
<b>(WB) NW ON RAMP</b>																								
GORE STA 485+03.87 TO 488+24.91	RT	321			321									321								35	35	
STA 488+24.91 TO STA 496+79	RT	854		854							854													
STA 470+69.52 TO STA 496+79	LT	2609		2609							2609						47	47			313	104		
<b>(WB) NE OFF RAMP</b>																								
2' DASH STA 507+30.58 TO STA 511+45.84	RT	415	104								104													
STA 493+12 TO STA 502+53.82	RT	942		942							942											33	33	
GORE STA 502+53.82 TO STA 507+30.58	RT	477			477	227								477	227									
STA 493+12 TO STA 511+45.84	LT	1834	1834								1834													
STA 493+30 STOP BAR		48					48								48									
LASALLE CO RAMP TOTAL		14365	8807	3267	0	1571	530	96	0		8807	3267	0	1571	530	96	190	190	0	1032	344	124	124	
BUREAU COUNTY TOTAL		43114	44049	9968	1575	236	96	890	905	224	44005	44049	9968	1575	236	96	1146	1146	12	68933	22978	197	197	
LASALLE COUNTY TOTAL		17691	17489	3556	3147	530	96	0	0	0	17691	3267	0	3147	530	96	546	546	0	24852	8283	164	164	
<b>GRAND TOTAL</b>		<b>60805</b>	<b>61538</b>	<b>13524</b>	<b>4722</b>	<b>766</b>	<b>192</b>	<b>890</b>	<b>905</b>	<b>224</b>	<b>61695</b>	<b>47316</b>	<b>9968</b>	<b>4722</b>	<b>766</b>	<b>192</b>	<b>1692</b>	<b>1692</b>	<b>12</b>	<b>93785</b>	<b>31261</b>	<b>361</b>	<b>361</b>	

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**SCHEDULE OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	23
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				
* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

STAGE CONSTRUCTION ITEMS

LOCATION	STA	LENGTH	TEMPORARY CONCRETE BARRIER FOOT	RELOCATE TEMP CONC BARRIER FOOT	TEMPORARY CONCRETE BARRIER (SP)(7) FOOT	TEMP MODULAR GLARE SCREENS(6) FOOT	TEMPORARY SPBGR, TA(8) FOOT	TBT, T1 (SPECIAL) TANGENT EACH	HMA(3) SURF REM 8" SQ YD	HMA (3) SHOULDERS 8" SQ YD	WORK ZONE PVT MK REMOVAL(4) SQ FT	PAVEMENT MARKING REMOVAL(5) FOOT	WET TEMP PVT K TAPE, TYPE III-4''''	
													WHITE FOOT	YELLOW FOOT
<b>STAGE I</b>														
WBL	343+01 TO 446+89	10388										12985.0	10388.0	10388.0
	446+89 TO 501+00	5411											5411.0	
EBL	305+00 TO 346+00	4100												4100.0
	346+00 TO 447+25	10120										10120.0	10120.0	10120.0
	401+50 TO 404+25	275					275							
	406+80 TO 411+95	50						1						
	414+80 TO 417+00	220					220							
	417+00 TO 417+50	50						1						
<b>STAGE II</b>														
EBL	305+00 TO 340+86	3586											3586.0	
	340+86 TO 444+45	10359									1015		10359.0	10359.0
WBL	341+75 TO 449+00	10725									725		10725.0	10725.0
	449+00 TO 501+00	5200											5200.0	
	396+15 TO 396+65	50						1						
	396+65 TO 398+85	220					220							
	409+45 TO 409+95	50						1						
	409+95 TO 412+15	220					220							
<b>STAGE I</b>														
	343+00 TO 447+25	10420	10420.0			10420								
<b>STAGE II</b>														
	342+50 TO 444+45	10195		10195										
EBL ON 10' SHLD (FOR STAGE I TRAFFIC)														
	346+00 TO 447+25(2)	9684							4304	4304				
WBL ON 10' SHLD (FOR STAGE II TRAFFIC)														
	341+75 TO 393+00 (1)	5100							2267	2267				
	424+00 TO 439+00	1575							700	700				
					2000									
<b>TOTALS</b>			10420.0	10195.0	2000.0	10420.0	935.0	4.0	7271.0	7271.0	1740.0	23105.0	55789.0	45692.0
													101481.0	

- \*STA EQ - 395+00(BK) = 395+06.40(AH)
- (1) NO NEW BIT SHOULDER NEEDED BETWEEN STA 393+00 AND 424+00 BECAUSE OF EXTRA SHOULDER THICKNESS AQUIRED DURING STAGE I CONSTRUCTION
- (2) LENGTH HERE = ACTUAL LENGTH - LENGTH OF ALL STRUCTURES = 441'
- (3) TO BE PERFORMED PRIOR TO STAGE I CONSTRUCTION
- (4) WK ZONE PVT MK REMOVAL IS TO REMOVE THE SH TERM PVT MARKING PLACED BETWEEN STAGE I AND STAGE II
- (5) PAVEMENT MARKING REMOVAL IS TO REMOVE EXISTING PAVEMENT MARKINGS PRIOR TO STAGE I CONSTRUCTION
- (6) GLARE SCREENS TO BE USED DURING STAGE I AND STAGE II CONSTRUCTION-RELOCATION OF GLARE SCREENS INCLUDED IN COST OF RELOCATE TEMP CONC BARRIER
- USE A 48" HEIGHT FOR GLARE SCREENS, SPACED AT 22" CENTERS. MAX. INSTALLATION ANGLE IS 70 DEGREES.
- (7) AFTER ST II IS COMPLETE, CONTRACTOR IS TO TRANSPORT 2000 FEET OF THE TEMPORARY CONCRETE BARRIER TO THE LADD MAINTENANCE YARD-SEE SPECIAL PROVISIONS
- (8) TEMPORARY GUARDRAIL AND END SECTIONS USED IN STAGE I MAY BE USED IN STAGE II. ALL CONNECTIONS, TO EXISTING GUARDRAIL, RELOCATION, REMOVAL OF TEMP GUARDRAIL INCLUDED IN THE COST OF TEMP GUARDRAIL

HMA SURFACE REMOVAL - BUTT JOINT

LOCATION	LENGTH	HMA SURF REM- BJ
<b>EASTBOUND</b>		
BUREAU COUNTY		
1802+29 TO 1803+19	90.0	240.0
END OF RAMP LADD INTERCHANGE-2 RAMP	90.0	320.0
APPROX 350+00 (BETWEEN PRE-STAGE I AND STAGE I	90.0	240.0
APPROX 439+00 (BETWEEN PRE-STAGE I AND STAGE I	90.0	240.0
<b>BUREAU COUNTY SUB-TOTAL</b>		<b>1040.0</b>
END OF RAMP PLANK RD INTERCHANGE-2 RAMP	90.0	320.0
533+50 TO 534+40	90.0	240.0
<b>LASALLE CO SUB-TOTAL</b>		<b>560.0</b>
<b>WESTBOUND</b>		
BUREAU COUNTY		
1802+29 TO 1803+19	90.0	240.0
END OF RAMP LADD INTERCHANGE-2 RAMP	90.0	320.0
APPROX 350+00 (BETWEEN PRE-STAGE I AND STAGE II	90.0	240.0
APPROX 439+00 (BETWEEN PRE-STAGE I AND STAGE II	90.0	240.0
<b>BUREAU COUNTY SUB-TOTAL</b>		<b>1040.0</b>
END OF RAMP PLANK RD INTERCHANGE-2 RAMP	90.0	320.0
533+50 TO 534+40	90.0	240.0
<b>LASALLE COUNTY SUB-TOTAL</b>		<b>560.0</b>
<b>BUREAU COUNTY TOTAL</b>		<b>2080.0</b>
<b>LASALLE COUNTY TOTAL</b>		<b>1120.0</b>
<b>GRAND TOTAL</b>		<b>3200.0</b>

BRIDGE APPROACH PAVMENT

LOCATION STATION	PAVEMENT REMOVAL SQ YD	BRIDGE APPR. PVT. SQ YD	TYPE E INLET BOX, STD 610001* EACH	TYPE F INLET BOX, STD 610001* EACH	PIPE DRAIN, 12" FOOT	CONCRETE THRUST BLOCKS EACH	METAL END SECTIONS, 12" EACH
<b>WBL</b>							
399+07.07 TO 339+37.07	133	133	1	1	160	2	2
401+07.07 TO 401+37.07	133	133					
412+19.31 TO 412+49.69	133	133	1	1	160	2	2
414+03.81 TO 414+33.81	133	133					
<b>EBL</b>							
399+07.07 TO 339+37.07	133	133	1	1	160	2	2
401+07.07 TO 401+37.07	133	133					
412+45.89 TO 412+75.49	133	133	1	1	160	2	2
414+30.39 TO 414+60.39	133	133					
<b>TOTALS</b>	<b>1064.0</b>	<b>1064.0</b>	<b>4.0</b>	<b>4.0</b>	<b>640.0</b>	<b>8.0</b>	<b>8.0</b>

\*USE TYPE E INLET BOX ON MEIDAN SHOULDER AND TYPE F INLET BOX ON 10' SHOULDER

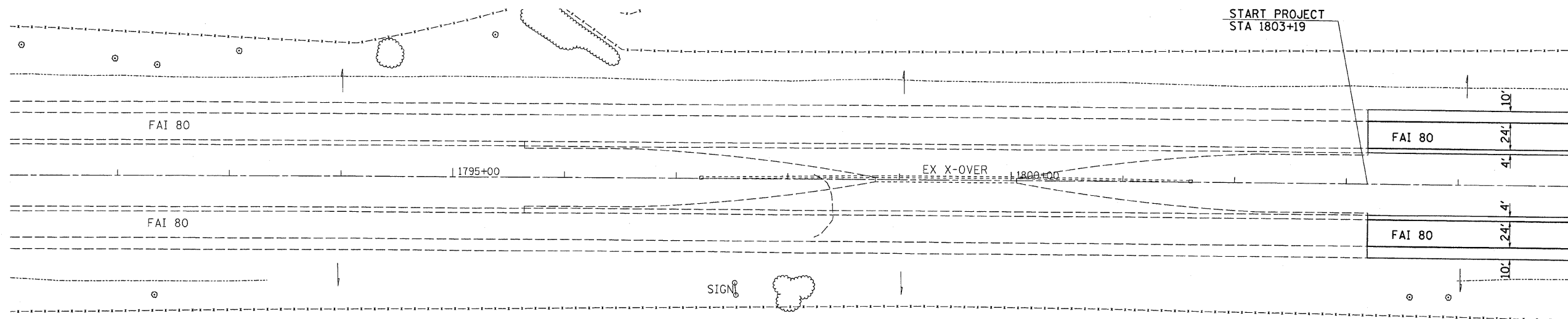
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	24

STA. 1803+19 TO STA. 1805+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



**MATCH LINE STA 1805+00**

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 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 1 OF 22



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	25

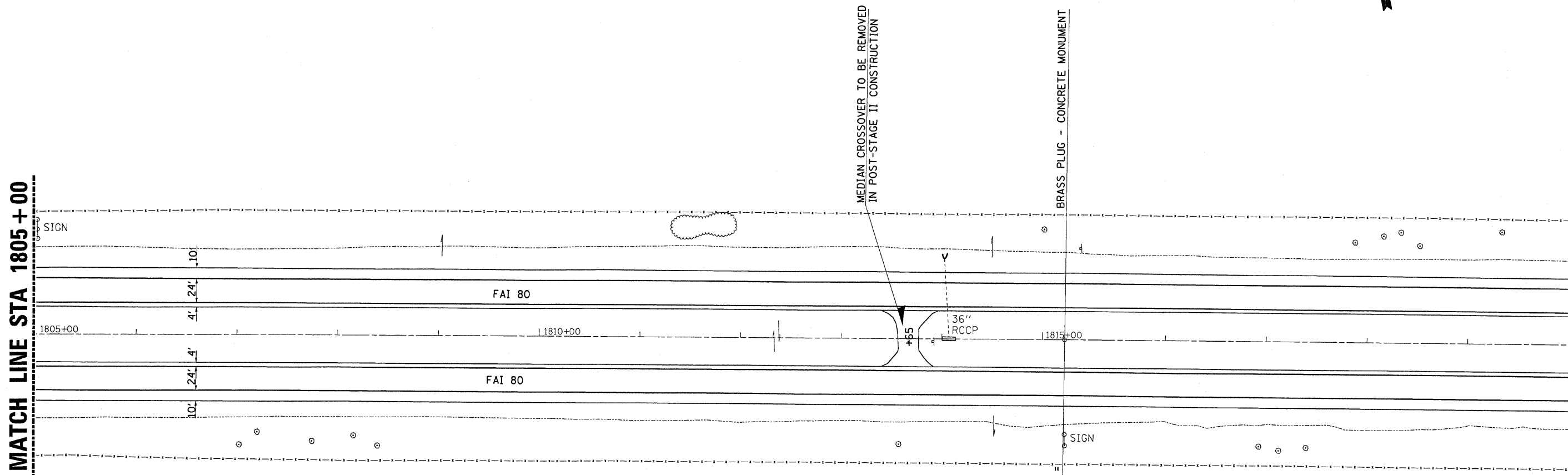
STA. 1805+00 TO STA. 280+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\* BUREAU & LASALLE



MATCH LINE STA 1805 + 00

MATCH LINE STA 280 + 00



MEDIAN CROSSOVER TO BE REMOVED  
 IN POST-STAGE II CONSTRUCTION

BRASS PLUG - CONCRETE MONUMENT

STA. EQUATION: STA 1815+21.84 BK =  
 STA 275+00.00 AH

PLOT DATE = Aug 27 2008 11:17:28 AM  
 FILE NAME = c:\work\pavement\wenzelko\jms2265\sheeta.dgn  
 PLOT SCALE = 50.0000 / 1 IN.  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 2 OF 22

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	26

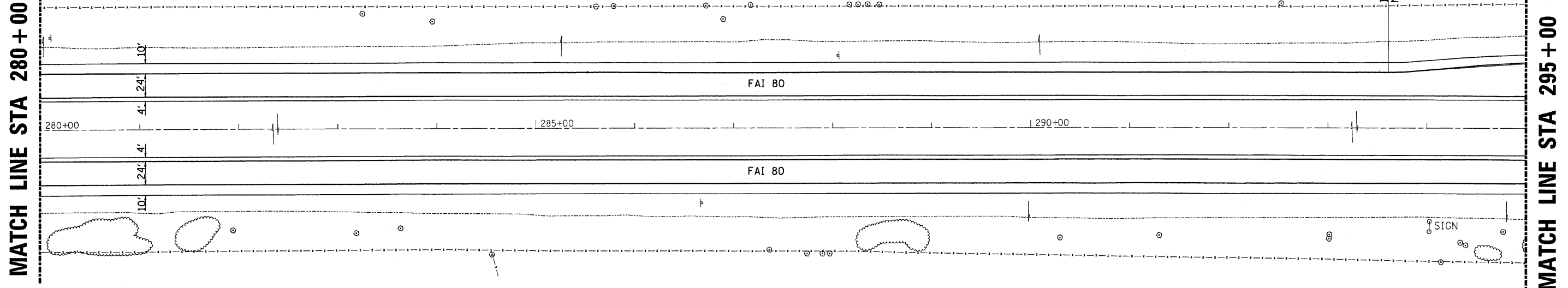
STA. \_\_\_\_\_ TO STA. \_\_\_\_\_  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



I-80 STA 293+61.32  
 INWRMP STA 82+08.79



MATCH LINE STA 280 + 00

MATCH LINE STA 295 + 00

PLOT DATE = Aug 27 2008 - 11:47:45 AM  
 FILE NAME = c:\pwork\work\project\wenzelko\dms32861\shwest.dgn  
 PLOT SCALE = 50.00000 / IN.  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

# PLAN VIEW

SHEET 3 OF 22

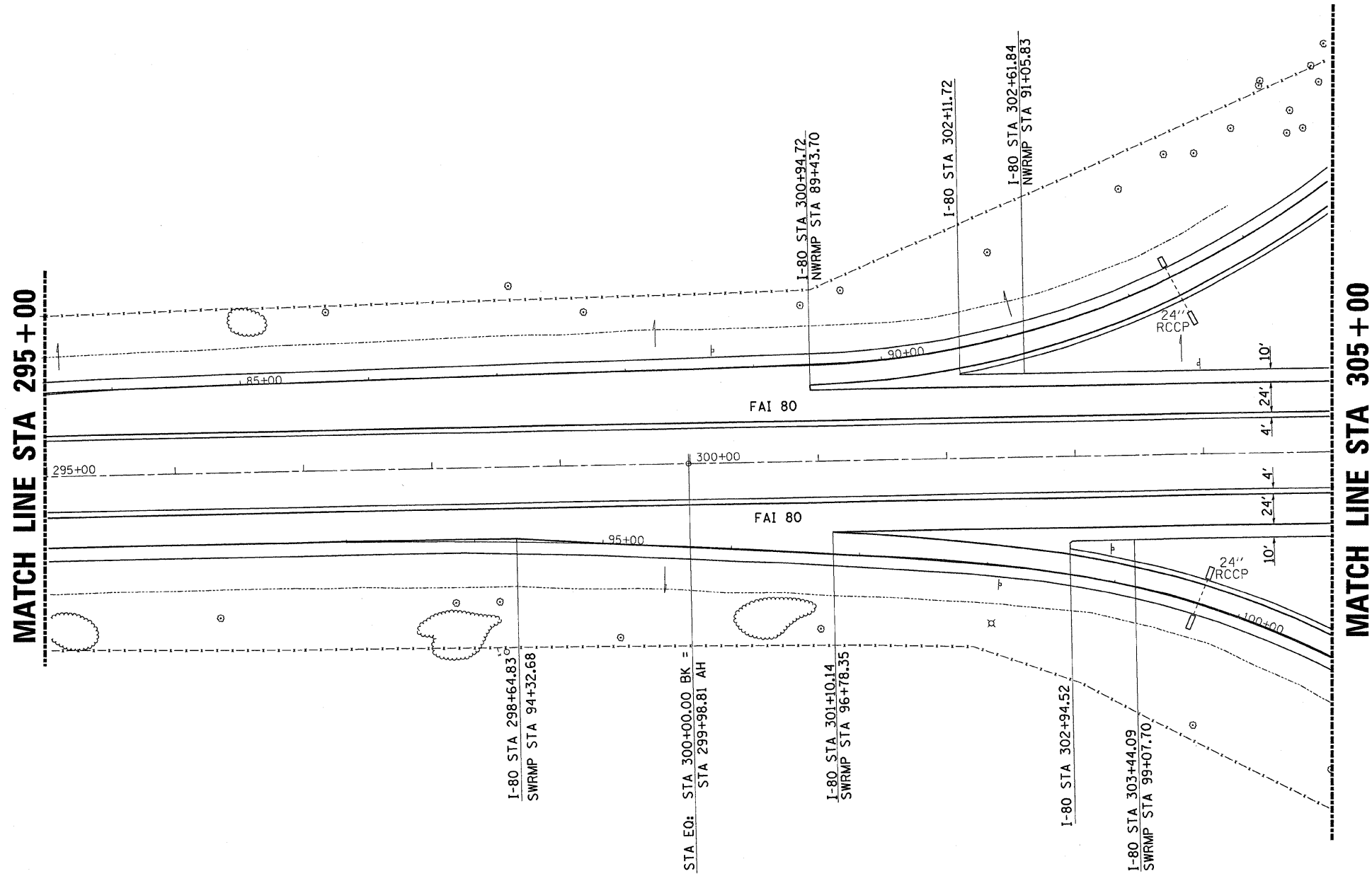
**STA 280+00 TO STA 295+00**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	27

STA. 295+00 TO STA. 305+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



PLOT DATE = Aug 27 2008 - 11:47:59 AM  
 FILE NAME = c:\work\projects\wenzelko\dm32661\hhostr.dgn  
 PLOT SCALE = 50.0000 / 1" / IN.  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

# PLAN VIEW

SHEET 4 OF 22

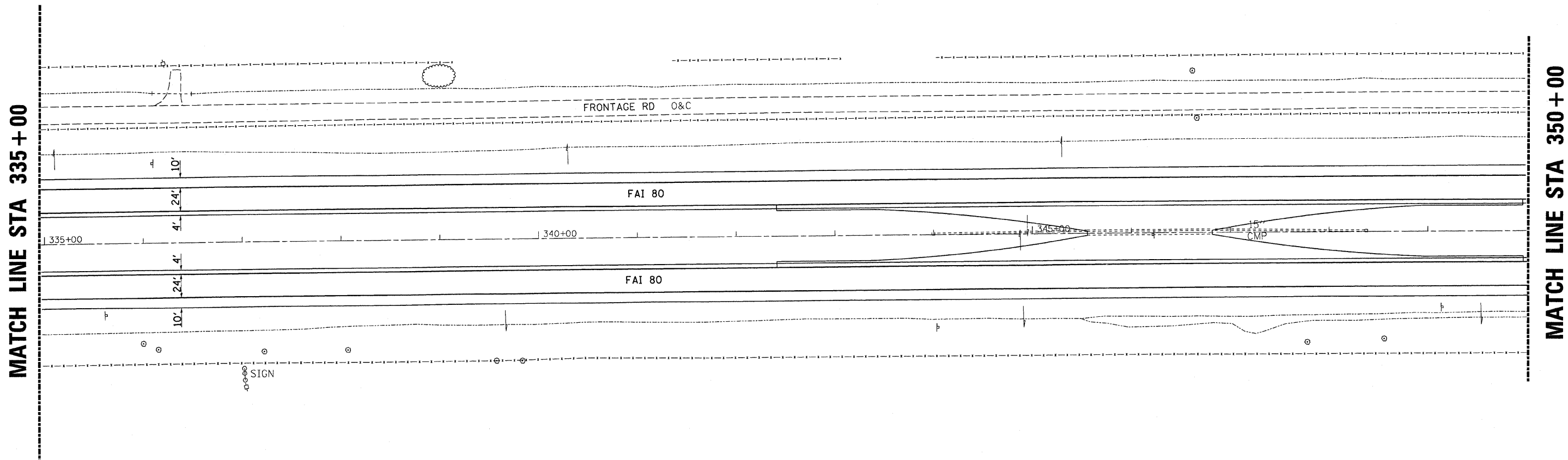
**STA 295 + 00 TO STA 305 + 00**







F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	31
STA. 335+00		TO STA. 350+00		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



MATCH LINE STA 335 + 00

MATCH LINE STA 350 + 00

PLOT DATE = Aug 27 2009 - 11:48:35 AM  
 FILE NAME = c:\pwworkspace\userelko\dm32861\dwg\st8.dwg  
 PLOT SCALE = 50.0000 / 1" = 100.0000'  
 USER NAME = userelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

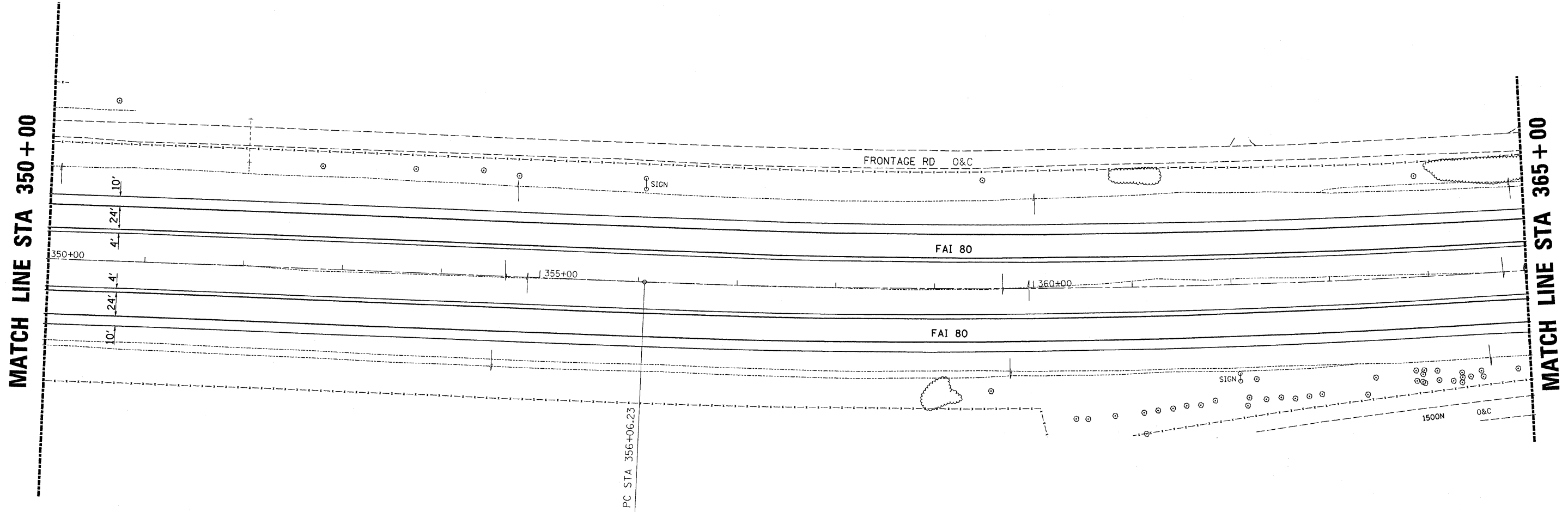
# PLAN VIEW

SHEET 8 OF 22

**STA 335 + 00 TO STA 350 + 00**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	32
STA. 350+00		TO STA. 365+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\*BUREAU & LASALLE



PLOT DATE = Aug 27 2008 - 11:45:45 AM  
 FILE NAME = c:\work\pav\work\pav\wenzelko\dm32861\ehwest.dgn  
 PLOT SCALE = 50.00000 / IN.  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

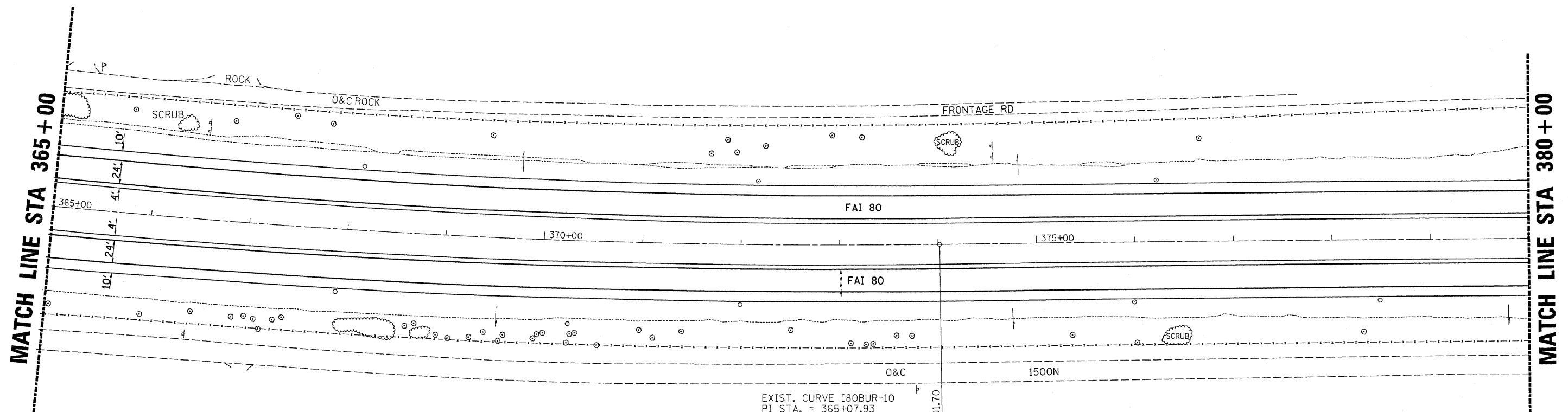
# PLAN VIEW

SHEET 9 OF 22

**STA 350+00 TO STA 365+00**



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	33
STA. 365+00		TO STA. 385+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



EXIST. CURVE 180BUR-10  
 PI STA. = 365+07.93  
 $\Delta = 13^\circ 09' 41''$  (LT)  
 $D = 0^\circ 43' 59''$   
 $R = 7,816.30'$   
 $T = 901.70'$   
 $L = 1,795.47'$   
 $E = 51.84'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 356+06.23$   
 $P.T. STA. = 374+01.70$

PT Sta. 374+01.70  
 180' RT  
 374+01.70

**SPRING CREEK GOLF CLUB**

PLOT DATE = Aug 27, 2008 - 11:48:57 AM  
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 PLOT SCALE = 1/8" = 50.0000' / 1" / IN.  
 USER NAME = wenzelko

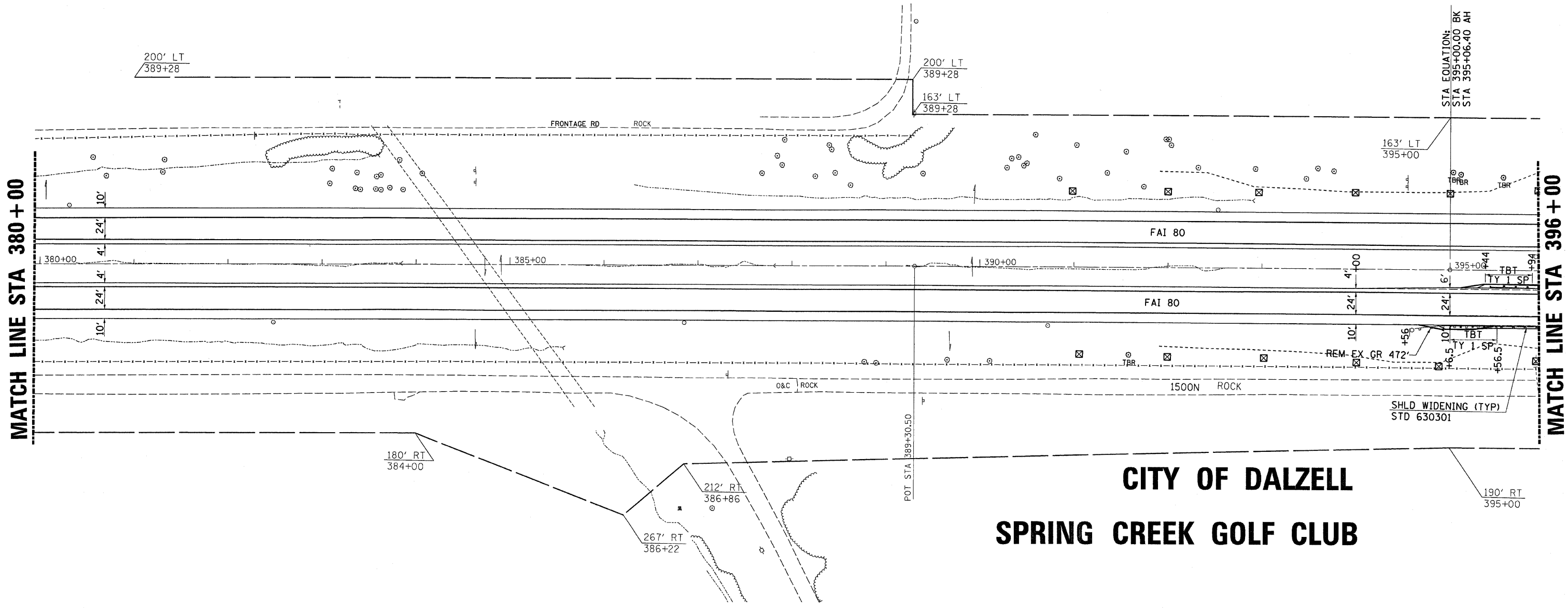
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 10 OF 22




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	34
STA. 380+00		TO STA. 396+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
**BUREAU & LASALLE				



MATCH LINE STA 380+00

MATCH LINE STA 396+00

**CITY OF DALZELL  
SPRING CREEK GOLF CLUB**

-  DITCH CHECK
-  EROSION CONTROL PERIMETER
-  LIMITS OF CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 11 OF 22

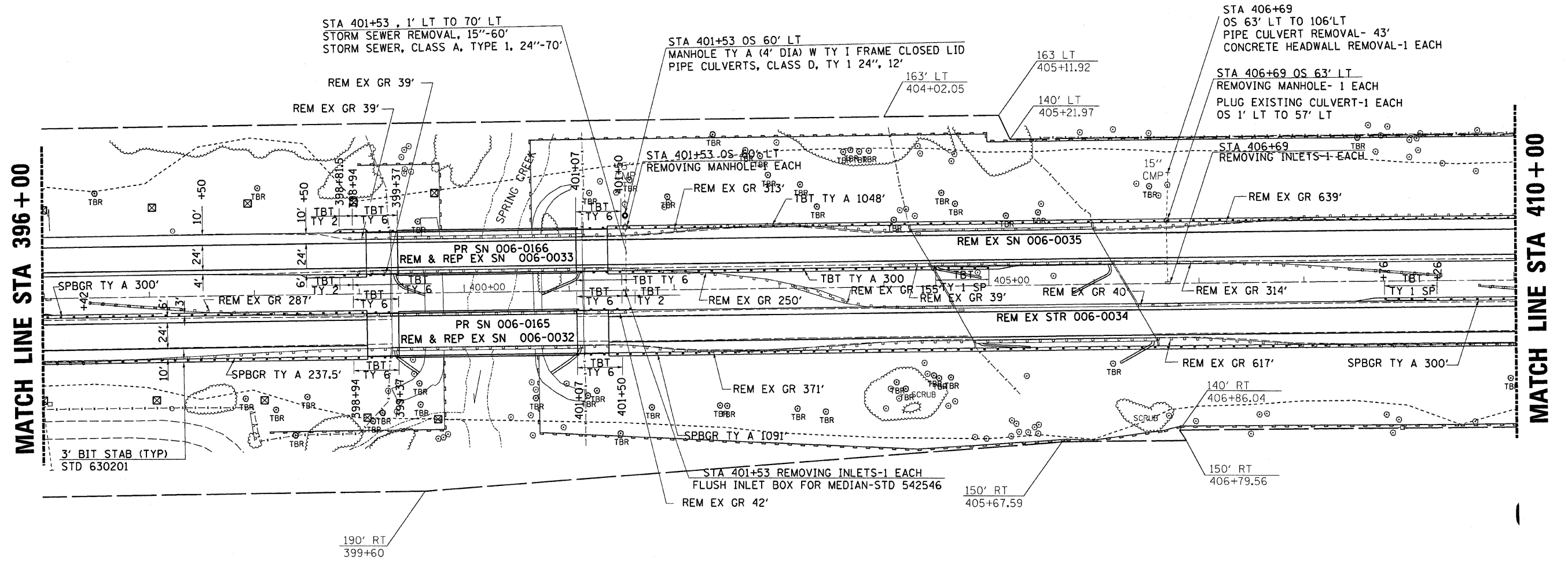
PLOT DATE = Aug 27 2008 - 11:45:02 AM  
 FILE NAME = c:\pwork\work\proj\dalzell\plan32861\plan32861.dgn  
 PLOT SCALE = 50.00000 / IN.  
 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	35

STA. 396+00 TO STA. 410+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



MATCH LINE STA 396 + 00

MATCH LINE STA 410 + 00

- ☒ DITCH CHECK
- EROSION CONTROL PERIMETER
- - - LIMITS OF CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

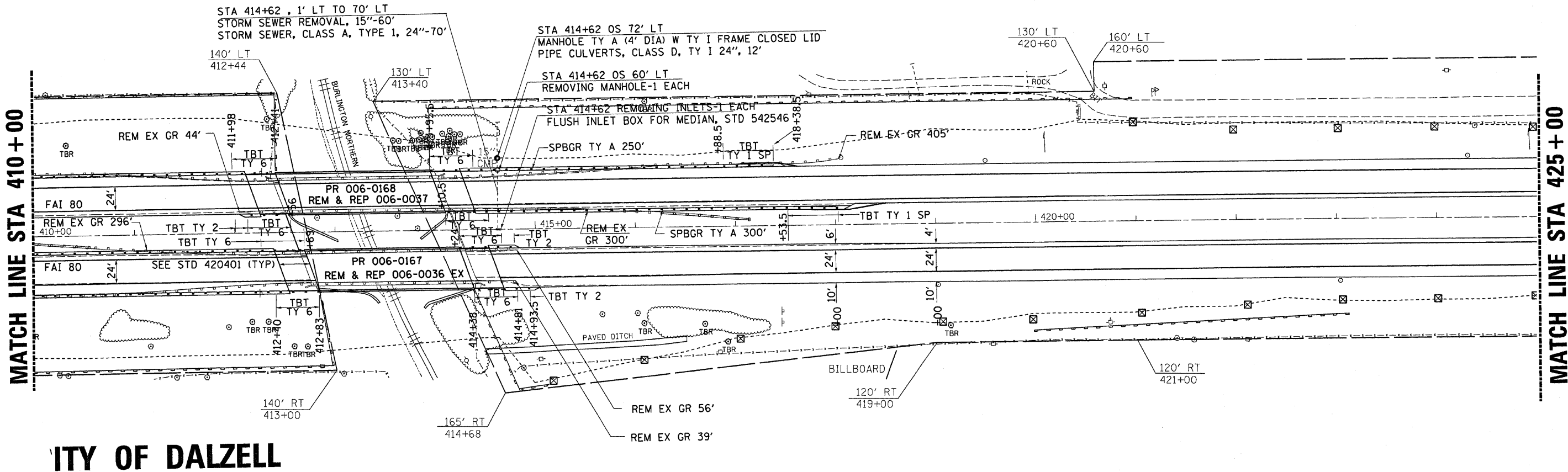
# PLAN VIEW

SHEET 12 OF 22

**STA 396 + 01 TO STA 410 + 00**

PLOT DATE = Aug 27 2008 - 11:49:11 AM  
 FILE NAME = c:\pwork\work\project\venezko\dm32861\sheet12.dgn  
 PLOT SCALE = 50.0000 / 1" = 50.0000'  
 USER NAME = venezko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	36
STA. 410+00		TO STA. 425+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3BR				
**BUREAU & LASALLE				



- ☒ DITCH CHECK
- EROSION CONTROL PERIMETER
- - - LIMITS OF CONSTRUCTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 13 OF 22

**STA 410+00 TO STA 425+00**

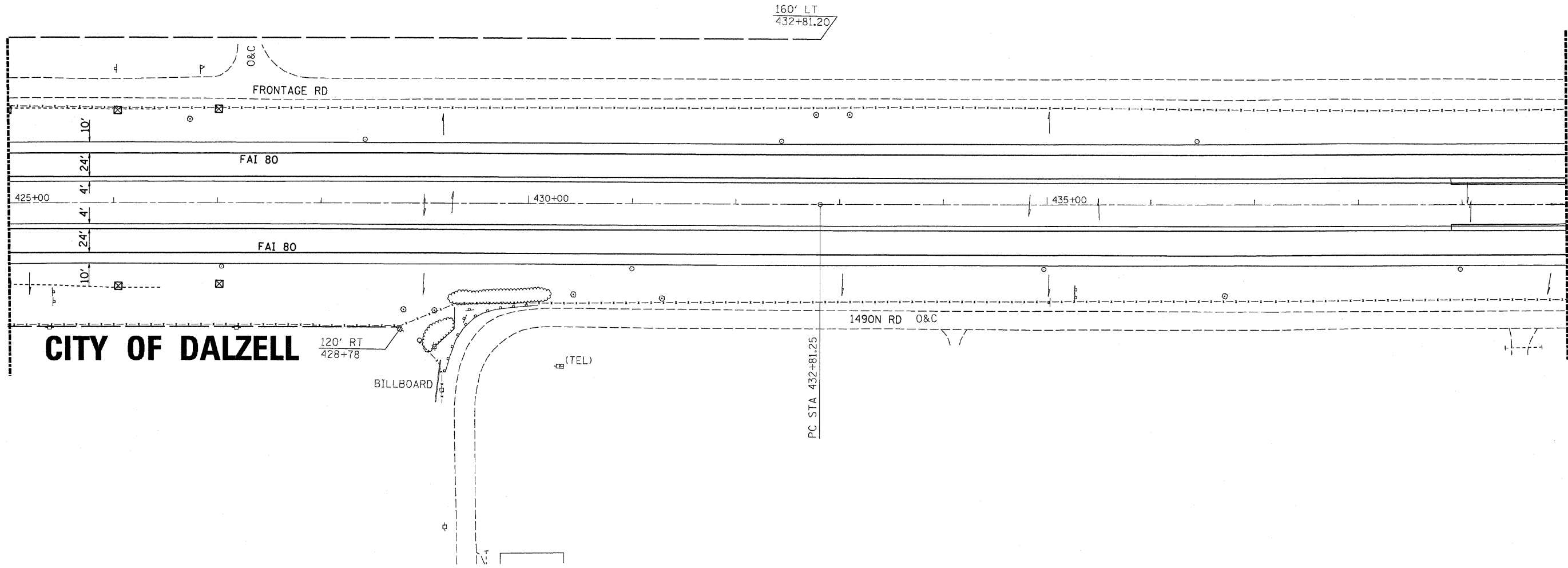
PLOT DATE = Aug 27, 2008 - 11:49:22 AM  
 FILE NAME = c:\pwworkspace\userzello\job32851\dwg\st13.dwg  
 PLOT SCALE = 50.0000' / 1" = userzello  
 USER NAME = userzello

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	37
STA. 425+00		TO STA. 440+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



MATCH LINE STA 425 + 00

MATCH LINE STA 440 + 00



- DITCH CHECK
- EROSION CONTROL PERIMETER
- LIMITS OF CONSTRUCTION

PLOT DATE = Aug 27 2008 - 11:49:32 AM  
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 PLOT SCALE = 50.0000 / IN.  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

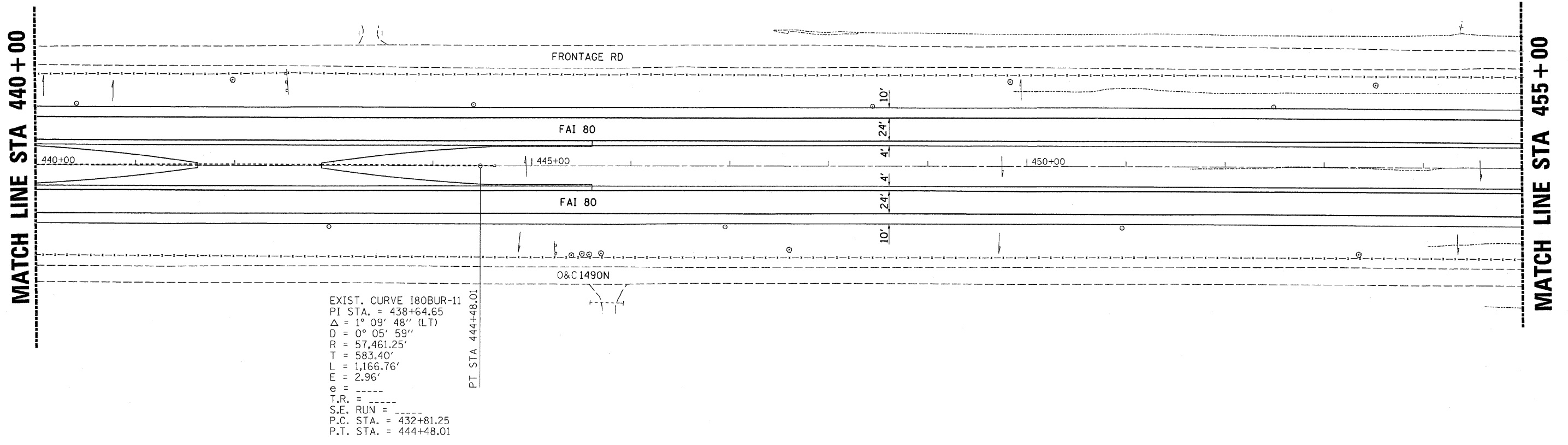
ILLINOIS DEPARTMENT OF TRANSPORTATION

# PLAN VIEW

SHEET 14 OF 22

**STA 425 + 00 TO STA 440 + 00**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	38
STA. 440+00		TO STA. 455+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*106-14 & 50-81RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
**BUREAU & LASALLE				



EXIST. CURVE 180BUR-11  
 PI STA. = 438+64.65  
 $\Delta = 1^\circ 09' 48''$  (LT)  
 D =  $0^\circ 05' 59''$   
 R = 57,461.25'  
 T = 583.40'  
 L = 1,166.76'  
 E = 2.96'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 432+81.25  
 P.T. STA. = 444+48.01

PT STA 444+48.01

MATCH LINE STA 440 + 00

MATCH LINE STA 455 + 00

PLOT DATE = Aug 27, 2008 - 11:49:43 AM  
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 PLOT SCALE = 50.0000 / 1" = 100.0000 / 1"  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

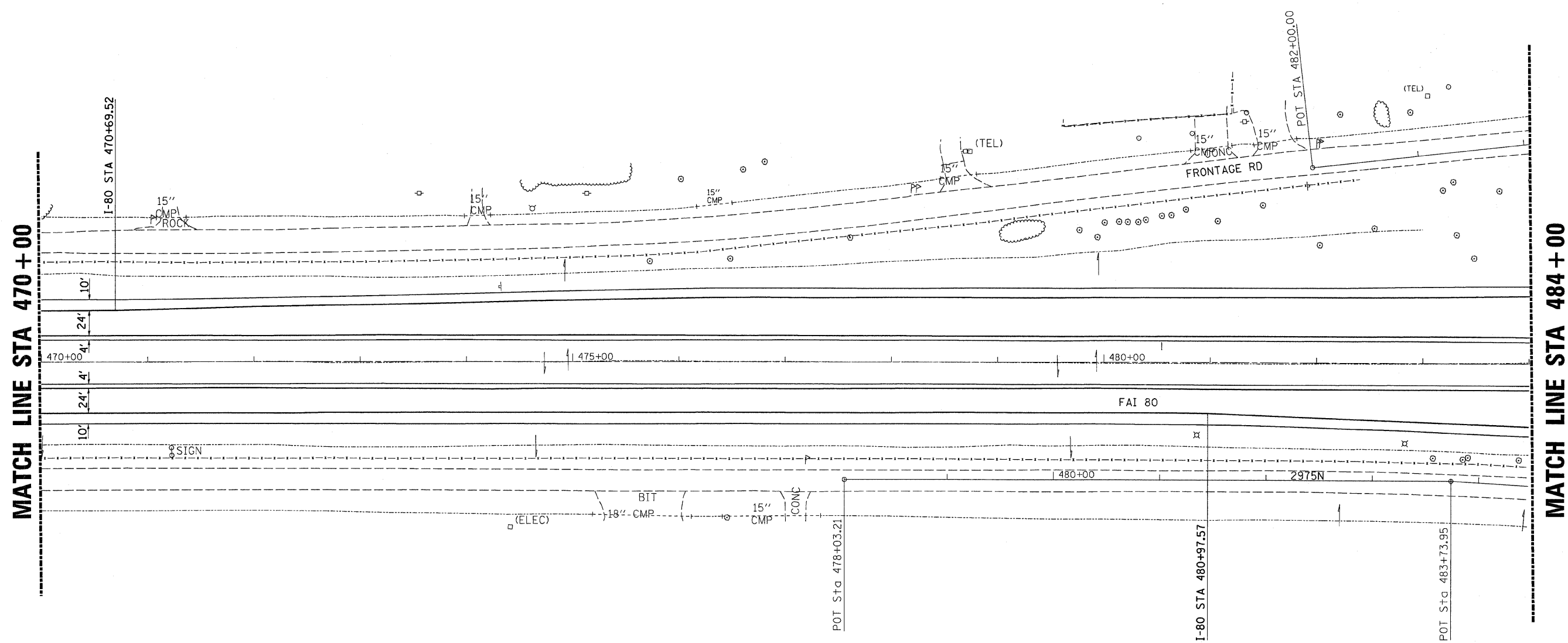
SHEET 15 OF 22

**STA 440+00 TO STA 455+00**



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	40

STA. 470+00 TO STA. 484+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \*(06-14 & 50-81RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3BR  
 \*\* BUREAU & LASALLE



PLOT DATE = Oct 27 2008 11:56:05 AM  
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 PLOT SCALE = 50.0000 / IN.  
 USER NAME = wenzelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN VIEW**  
 SHEET 17 OF 22



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	41

STA. 484+00 TO STA. 490+00

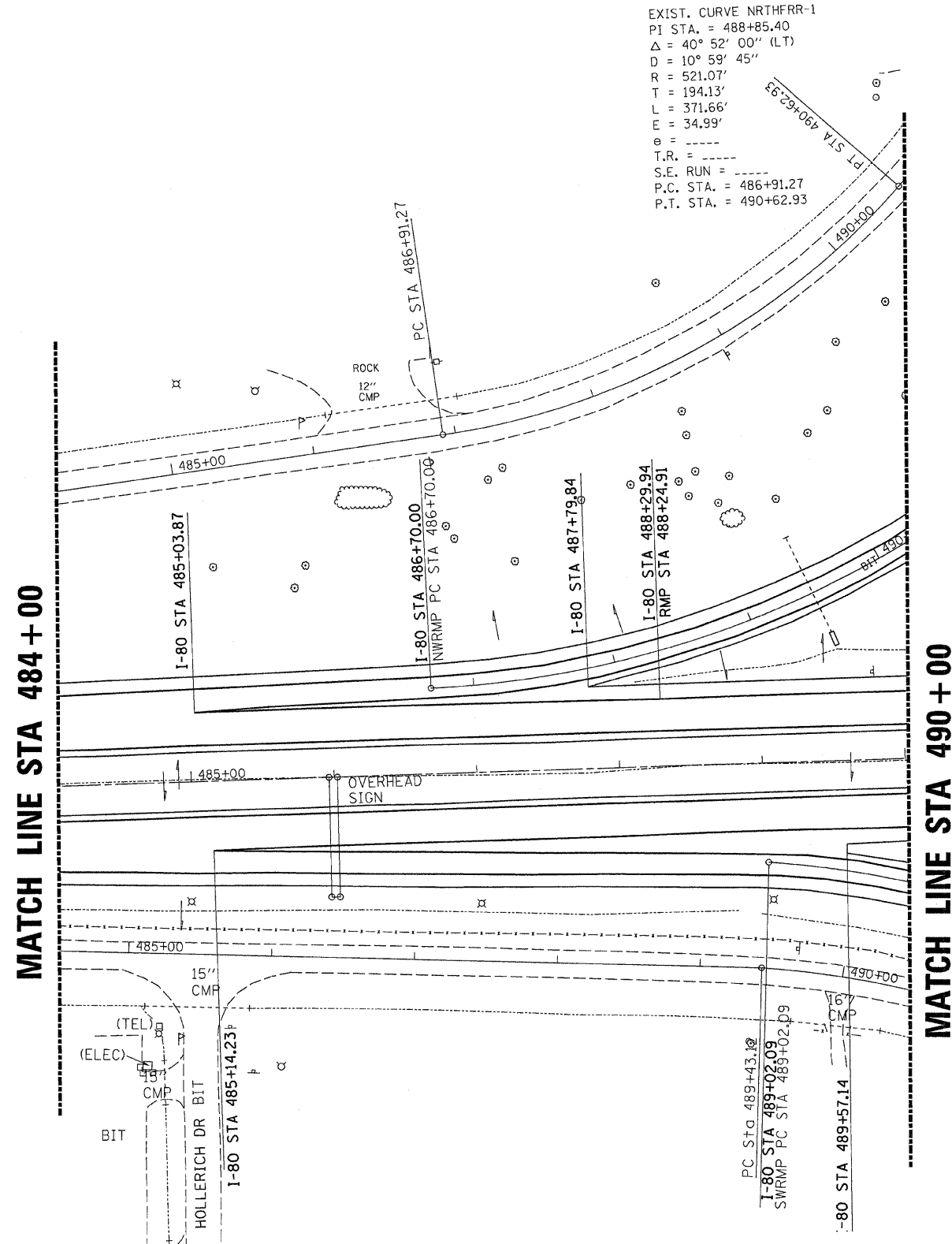
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



EXIST. CURVE NRTHFR-1  
 PI STA. = 488+85.40  
 $\Delta = 40^\circ 52' 00''$  (LT)  
 $D = 10^\circ 59' 45''$   
 $R = 521.07'$   
 $T = 194.13'$   
 $L = 371.66'$   
 $E = 34.99'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 486+91.27$   
 $P.T. STA. = 490+62.93$



MATCH LINE STA 484 + 00

MATCH LINE STA 490 + 00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

# PLAN VIEW

SHEET 18 OF 22

STA 484 + 00 TO STA 490 + 00

PLOT DATE = Aug 27, 2008 - 11:50:13 AM  
 FILE NAME = c:\pwworkspace\userzko\job32861\sheet.dgn  
 PLOT SCALE = 50.00000 / IN.  
 USER NAME = wenzelko

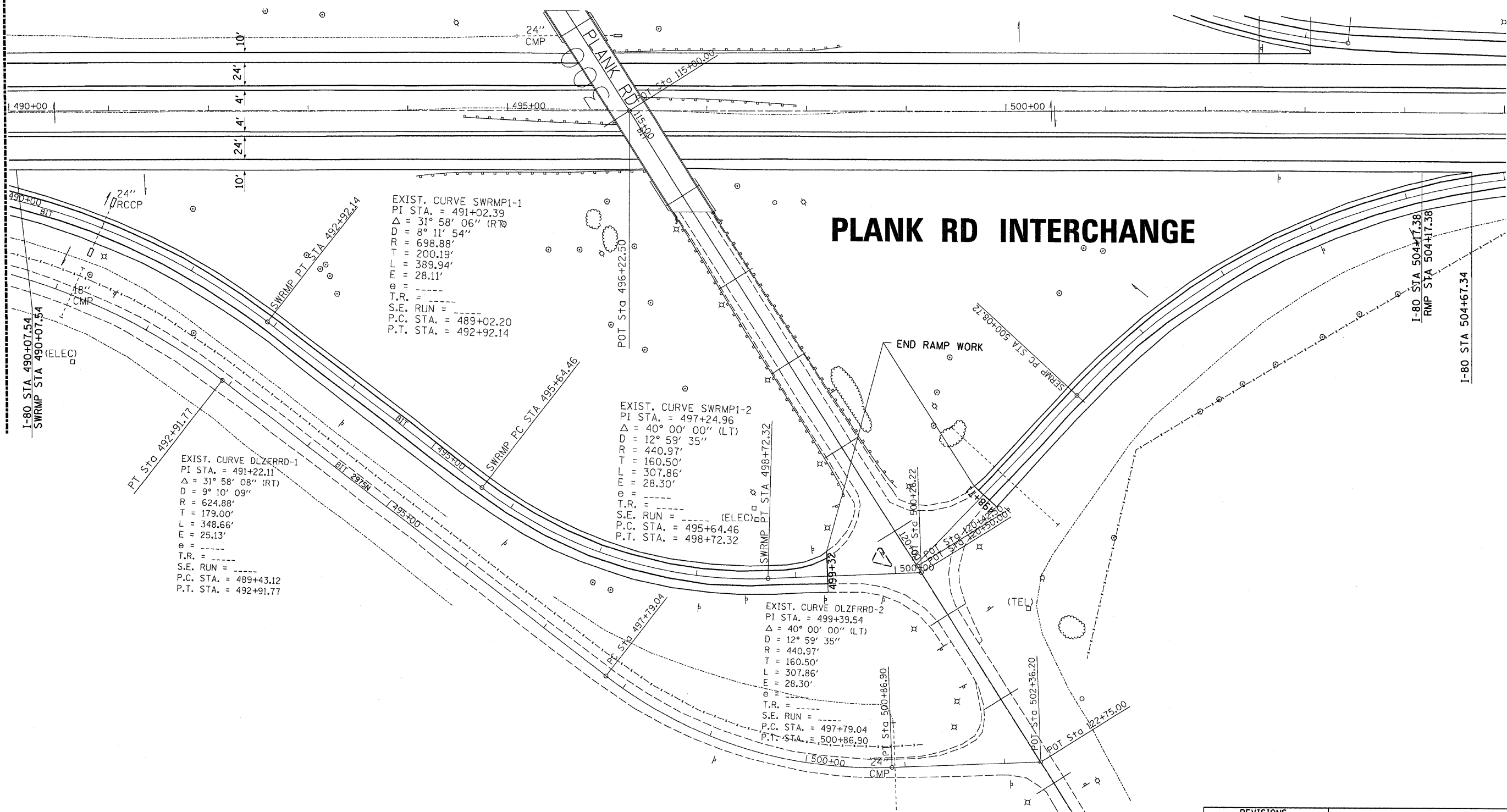
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	42
STA. 490+00 TO STA. 505+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(K)4B,B-1,VB,VB-1,VB-2,VB-3BR				
** BUREAU & LASALLE				



MATCH LINE STA 490+00

MATCH LINE STA 505+00

# PLANK RD INTERCHANGE



EXIST. CURVE SWRMP1-1  
 PI STA. = 491+02.39  
 $\Delta = 31^\circ 58' 06''$  (RT)  
 $D = 8^\circ 11' 54''$   
 $R = 698.88'$   
 $T = 200.19'$   
 $L = 389.94'$   
 $E = 28.11'$   
 $\theta = \dots$   
 $T.R. = \dots$   
 $S.E. RUN = \dots$   
 $P.C. STA. = 489+02.20$   
 $P.T. STA. = 492+92.14$

EXIST. CURVE SWRMP1-2  
 PI STA. = 497+24.96  
 $\Delta = 40^\circ 00' 00''$  (LT)  
 $D = 12^\circ 59' 35''$   
 $R = 440.97'$   
 $T = 160.50'$   
 $L = 307.86'$   
 $E = 28.30'$   
 $\theta = \dots$   
 $T.R. = \dots$   
 $S.E. RUN = \dots$  (ELEC)  
 $P.C. STA. = 495+64.46$   
 $P.T. STA. = 498+72.32$

EXIST. CURVE DLZFRRD-1  
 PI STA. = 491+22.11  
 $\Delta = 31^\circ 58' 08''$  (RT)  
 $D = 9^\circ 10' 09''$   
 $R = 624.88'$   
 $T = 179.00'$   
 $L = 348.66'$   
 $E = 25.13'$   
 $\theta = \dots$   
 $T.R. = \dots$   
 $S.E. RUN = \dots$   
 $P.C. STA. = 489+43.12$   
 $P.T. STA. = 492+91.77$

EXIST. CURVE DLZFRRD-2  
 PI STA. = 499+39.54  
 $\Delta = 40^\circ 00' 00''$  (LT)  
 $D = 12^\circ 59' 35''$   
 $R = 440.97'$   
 $T = 160.50'$   
 $L = 307.86'$   
 $E = 28.30'$   
 $\theta = \dots$   
 $T.R. = \dots$   
 $S.E. RUN = \dots$   
 $P.C. STA. = 497+79.04$   
 $P.T. STA. = 500+86.90$

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

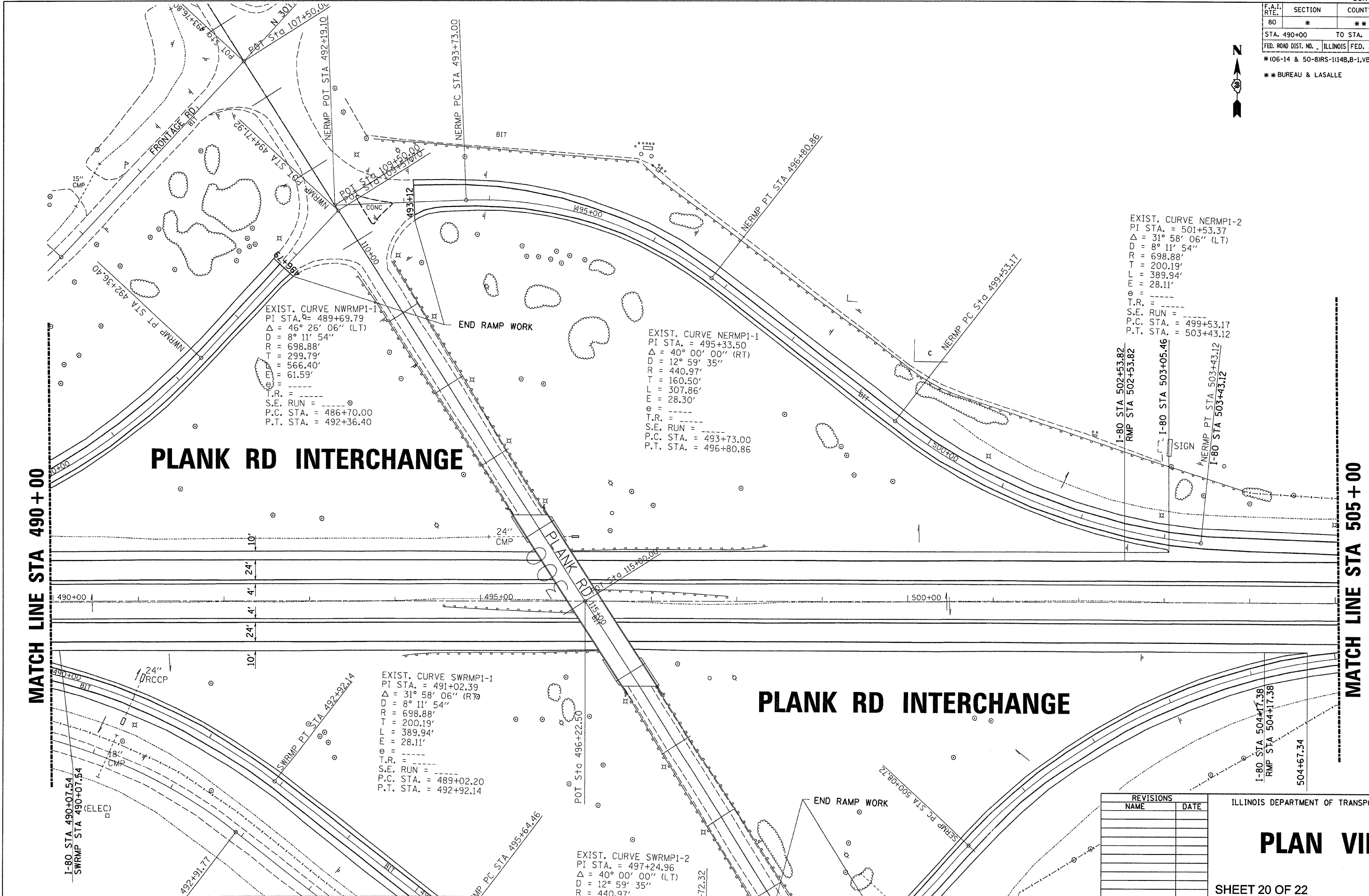
## PLAN VIEW

SHEET 19 OF 22

PLOT DATE = Aug 27, 2009 - 11:59:24 AM  
 FILE NAME = c:\pwork\work\plank\plank.dwg  
 PLOT SCALE = 50.00000 / IN.  
 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	43

STA. 490+00 TO STA. 505+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\* BUREAU & LASALLE



EXIST. CURVE NERMP1-2  
 PI STA. = 501+53.37  
 $\Delta = 31^\circ 58' 06''$  (LT)  
 $D = 8^\circ 11' 54''$   
 $R = 698.88'$   
 $T = 200.19'$   
 $L = 389.94'$   
 $E = 28.11'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 499+53.17$   
 $P.T. STA. = 503+43.12$

EXIST. CURVE NWRMP1-1  
 PI STA. = 489+69.79  
 $\Delta = 46^\circ 26' 06''$  (LT)  
 $D = 8^\circ 11' 54''$   
 $R = 698.88'$   
 $T = 299.79'$   
 $L = 566.40'$   
 $E = 61.59'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 486+70.00$   
 $P.T. STA. = 492+36.40$

EXIST. CURVE NERMP1-1  
 PI STA. = 495+33.50  
 $\Delta = 40^\circ 00' 00''$  (RT)  
 $D = 12^\circ 59' 35''$   
 $R = 440.97'$   
 $T = 160.50'$   
 $L = 307.86'$   
 $E = 28.30'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 493+73.00$   
 $P.T. STA. = 496+80.86$

EXIST. CURVE SWRMP1-1  
 PI STA. = 491+02.39  
 $\Delta = 31^\circ 58' 06''$  (RT)  
 $D = 8^\circ 11' 54''$   
 $R = 698.88'$   
 $T = 200.19'$   
 $L = 389.94'$   
 $E = 28.11'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 489+02.20$   
 $P.T. STA. = 492+92.14$

EXIST. CURVE SWRMP1-2  
 PI STA. = 497+24.96  
 $\Delta = 40^\circ 00' 00''$  (LT)  
 $D = 12^\circ 59' 35''$   
 $R = 440.97'$

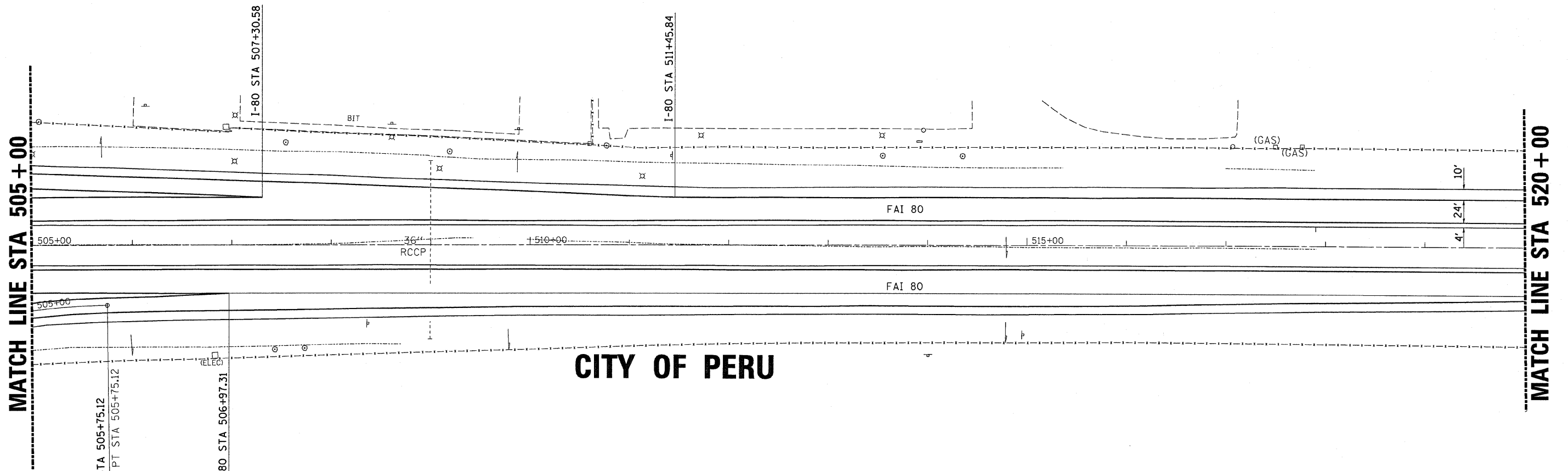
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

# PLAN VIEW

PLOT DATE = Aug 27, 2008 - 11:50:37 AM  
 FILE NAME = c:\pwworkspace\userzko\dms32861\sheet20.dgn  
 PLOT SCALE = 50.0000 / IN.  
 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	44
STA. 505+00		TO STA. 520+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



**CITY OF PERU**

EXIST. CURVE SERMP1-1  
 PI STA. = 503+08.51  
 $\Delta = 46^\circ 26' 06''$  (RT)  
 $D = 8^\circ 11' 54''$   
 $R = 698.88'$   
 $T = 299.79'$   
 $L = 566.40'$   
 $E = 61.59'$   
 $\theta =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 500+08.72$   
 $P.T. STA. = 505+75.12$

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 21 OF 22

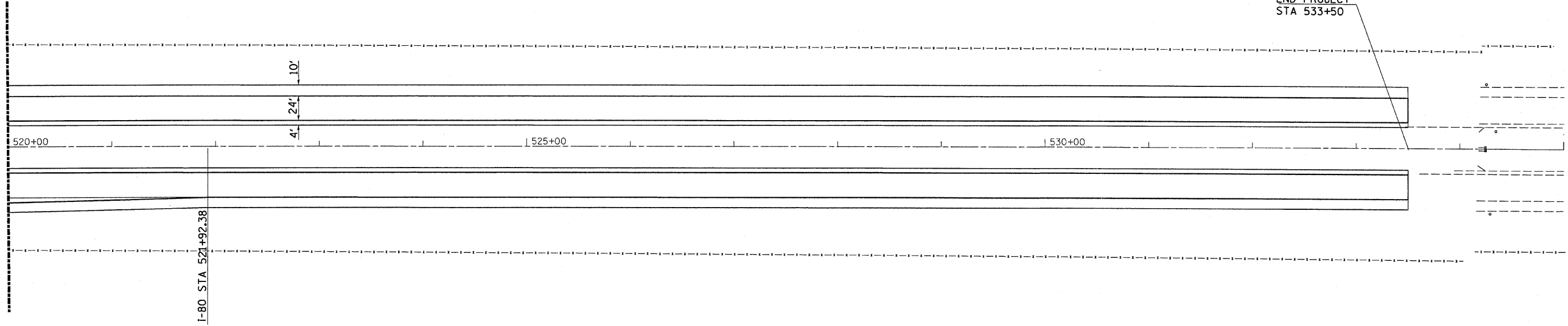
**STA 505+00 TO STA 520+00**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	45

STA. 520+00 TO STA. 533+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\* BUREAU & LASALLE



**MATCH LINE STA 520+00**



PLOT DATE = Aug 27 2008 11:59:58 AM  
 FILE NAME = c:\pwworkspace\userelko\dms2861\sheet.dgn  
 PLOT SCALE = 50.00000 / IN.  
 USER NAME = userelko

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PLAN VIEW**

SHEET 22 OF 22

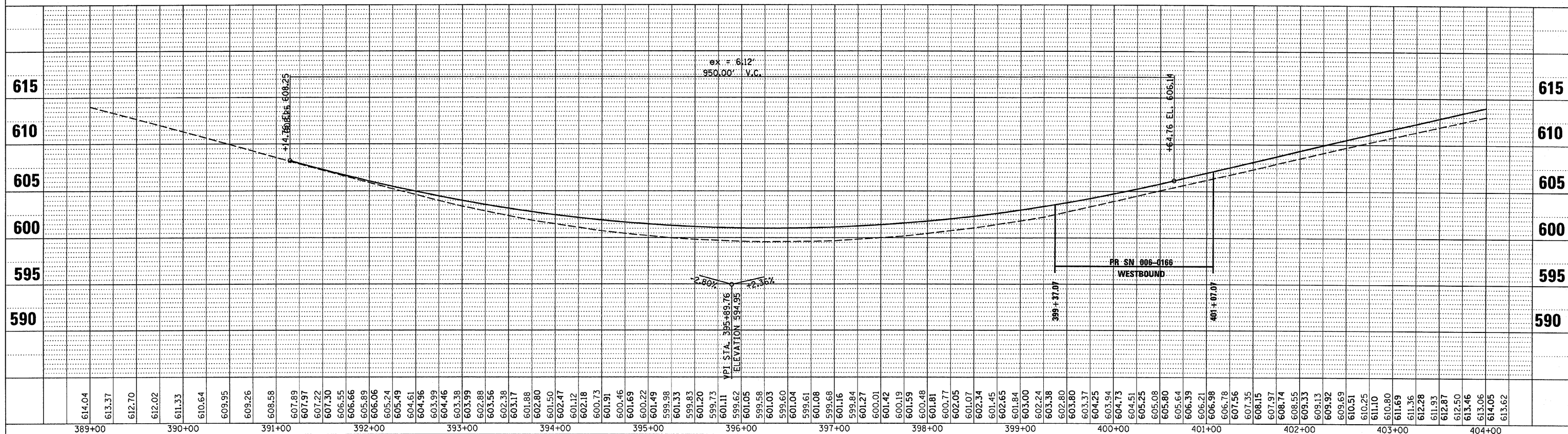
**STA 520+00 TO 533+00**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.80	*	BUREAU	219	46
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		
* (06-14 & 50-8)RS-1(14)B-B-1,VB,VB-1,VB-2,VB-3)R				

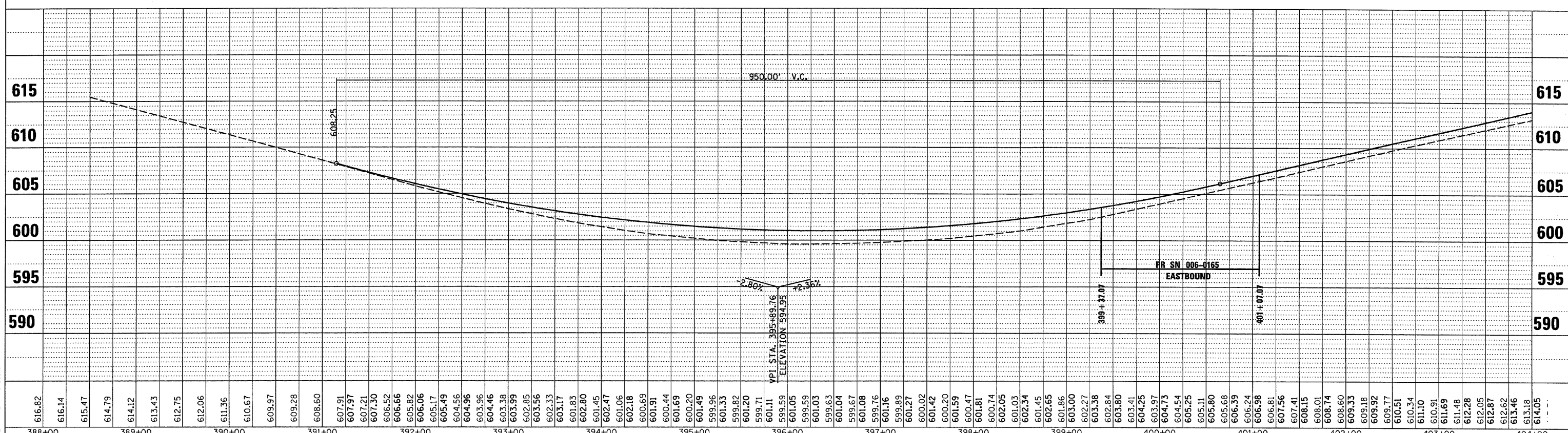
PLAN	SURVEYED	DATE
NO.	BY	

PROFILE	SURVEYED	DATE
NO.	BY	

PLOT DATE = Aug 27, 2008 - 01:01:44 PM  
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 PLOT SCALE = 1/4" = 100' / IN.  
 USER NAME = wnzalco



**STA 389 + 00 TO 404 + 00 PROFILE WB**



**STA 389 + 00 TO 404 + 00 PROFILE EB**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.80	*	BUREAU	.219	.47
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		
* (06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3(BR)				

PLAN

DATE \_\_\_\_\_ BY \_\_\_\_\_

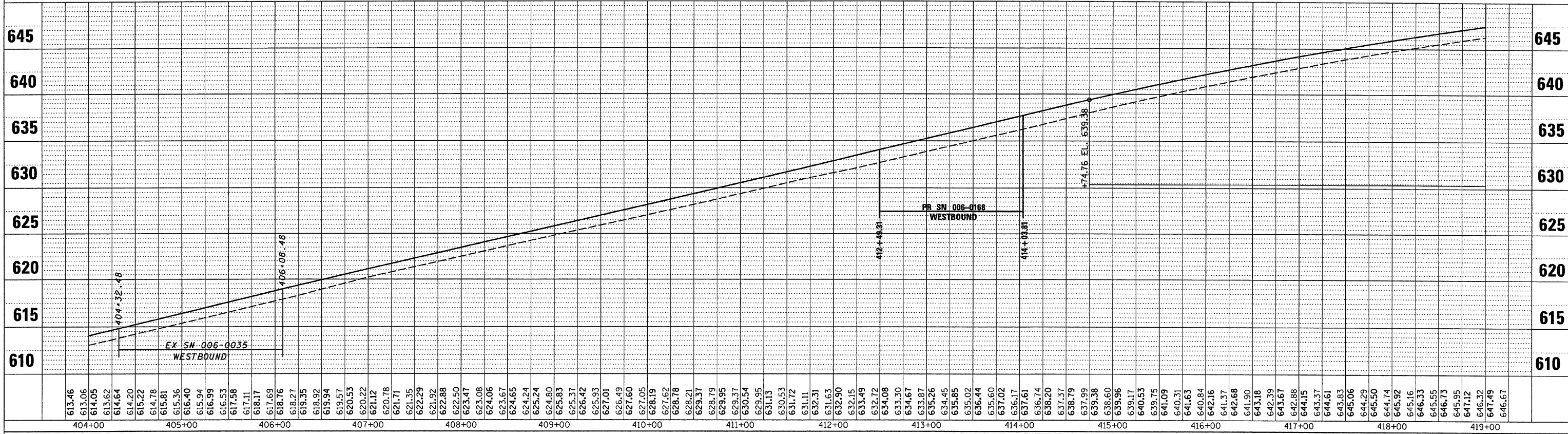
REVISIONS

PLANNED \_\_\_\_\_ CHECKED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

NO. \_\_\_\_\_

PAID FILE NAME \_\_\_\_\_



**STA 404 + 00 TO 419 + 00 PROFILE WB**

PROFILE

DATE \_\_\_\_\_ BY \_\_\_\_\_

REVISIONS

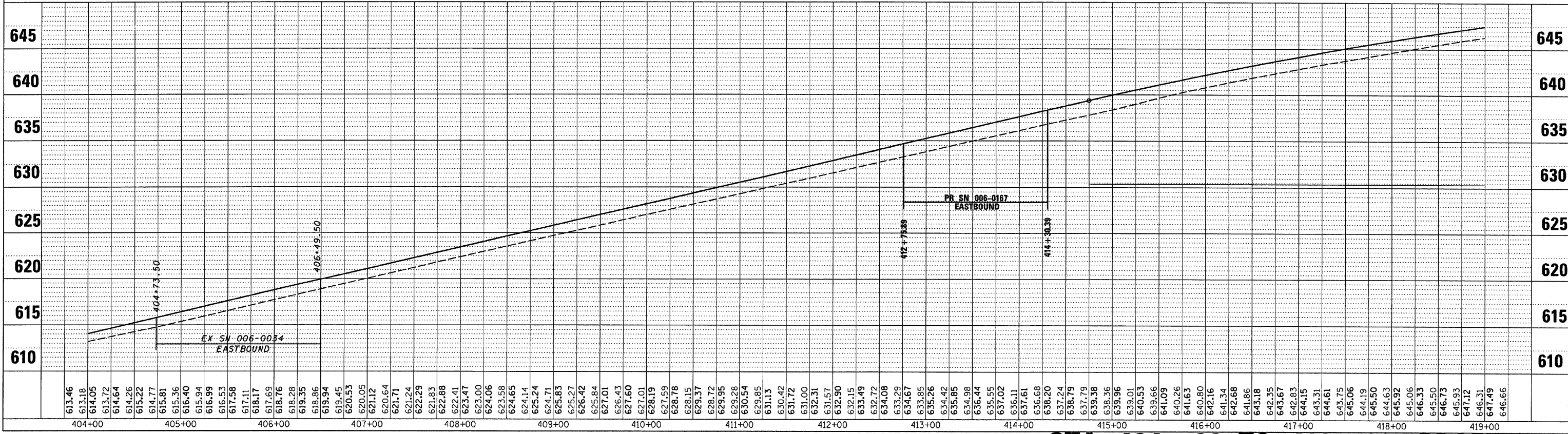
GRADES PLOTTED \_\_\_\_\_ CHECKED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

NO. \_\_\_\_\_

STRUCTURE NOTATIONS CHFD \_\_\_\_\_

USER NAME = wenzelko



**STA 404 + 00 TO 419 + 00 PROFILE EB**

PLOT DATE = Aug 27, 2008 - 08:01:56 PM

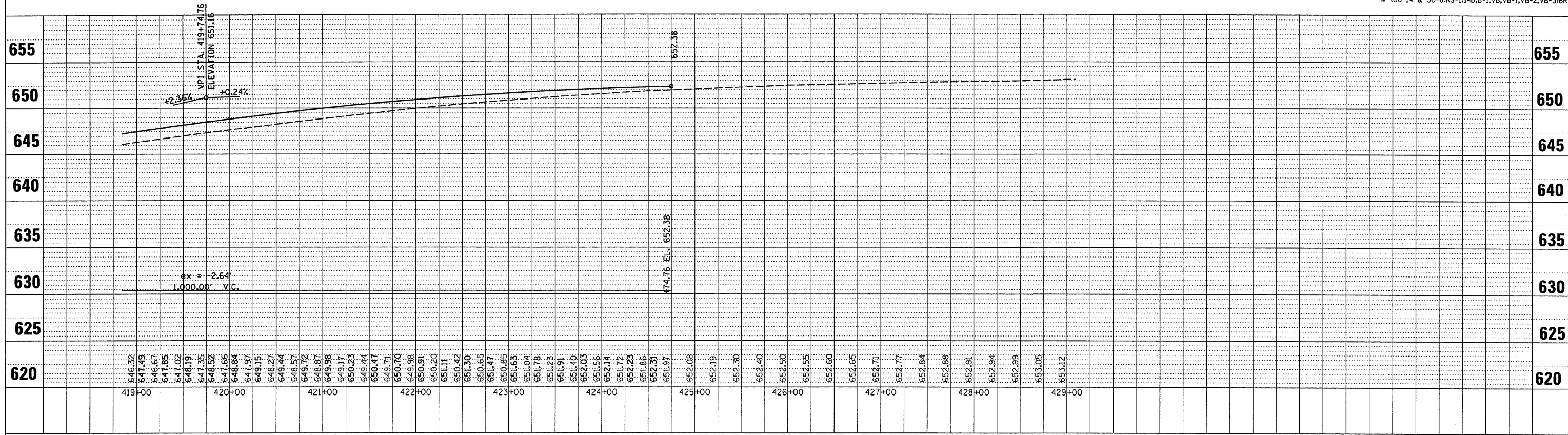
FILE NAME = c:\p06\wenzelko\p06\ms32861\wbstdgn

PLOT SCALE = 1/8" = 40' / 1" / 16'

USER NAME = wenzelko

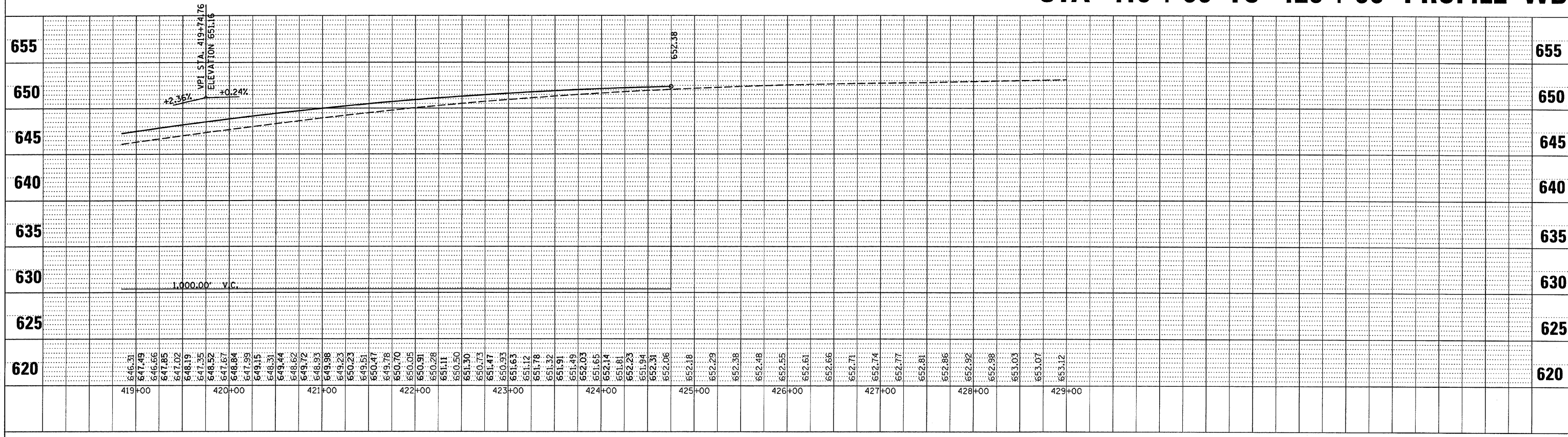
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.80	*	BUREAU	219	48
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		
* (06-14 & 50-8)RS-1(I14B,B-1,VB,VB-1,VB-2,VB-3)BR				

PLAN	SURVEYED	DATE
NO.	BY	



**STA 419 + 00 TO 429 + 00 PROFILE WB**

PROFILE	SURVEYED	DATE
NO.	BY	



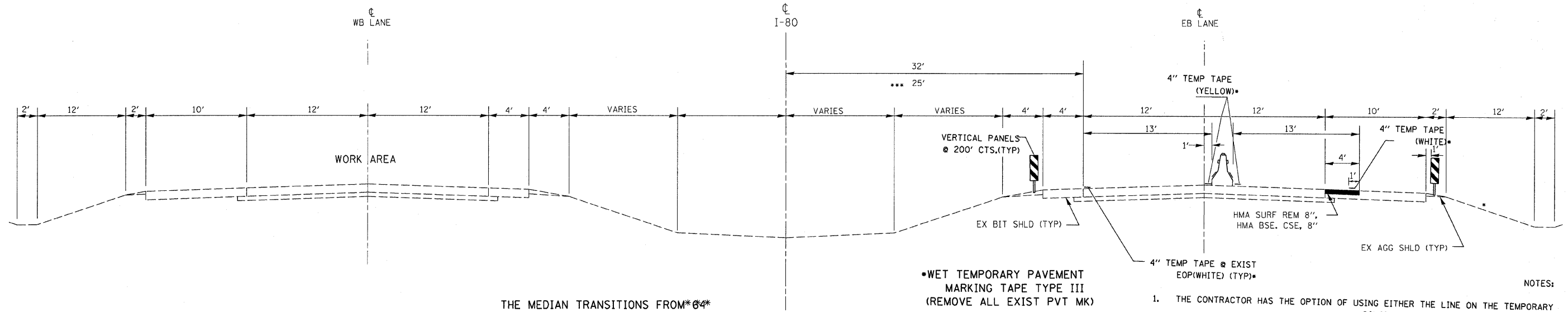
**STA 419 + 00 TO 429 + 00 PROFILE EB**

PLOT DATE = Aug 27 2008 - 8:09:2485 PM  
 FILE NAME = env:\work\roads\venezaliko\jms22861\hstebadgn  
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 USER NAME = venezaliko



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	49
STA. 305+00		TO STA. 320+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

## BETWEEN MEDIAN CROSSOVERS



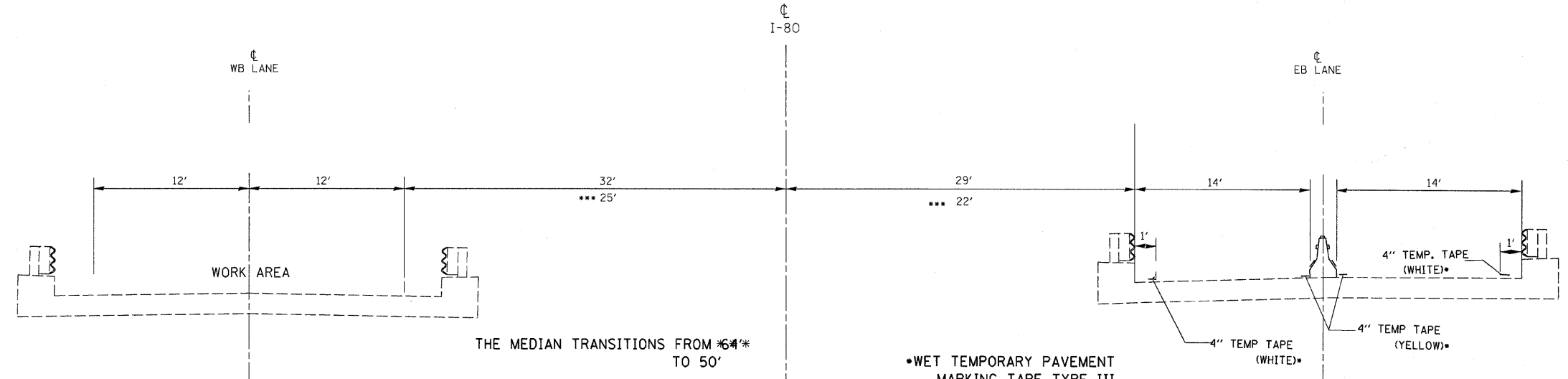
THE MEDIAN TRANSITIONS FROM \*64\* TO 50'

### STAGE I MAINLINE

STA 349+44 TO STA 393+00  
STA 419+00 TO STA 439+78\*\*\*\*

SEE STAGE I CONSTRUCTIONS SHEETS FOR TRANSITIONS THROUGH CROSSOVERS\*

- NOTES:
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
  2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
  3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.



THE MEDIAN TRANSITIONS FROM \*64\* TO 50'

### STAGE I THROUGH BRIDGES

STA 395+00 TO STA 417+00\*\*\*\*

TRANSITION FROM THIS TYP SECTION TO THE ONE ABOVE BETWEEN \*\*\*\*\* STA 393+00 TO STA 395+00 AND BETWEEN STA 417+00 TO STA 419+00

- NOTES:
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
  2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
  3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

PLOT DATE = Aug 27 2008 8:02:46 PM  
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 PLOT SCALE = 50.00000 / 1" = 100.00000'  
 USER NAME = userzko

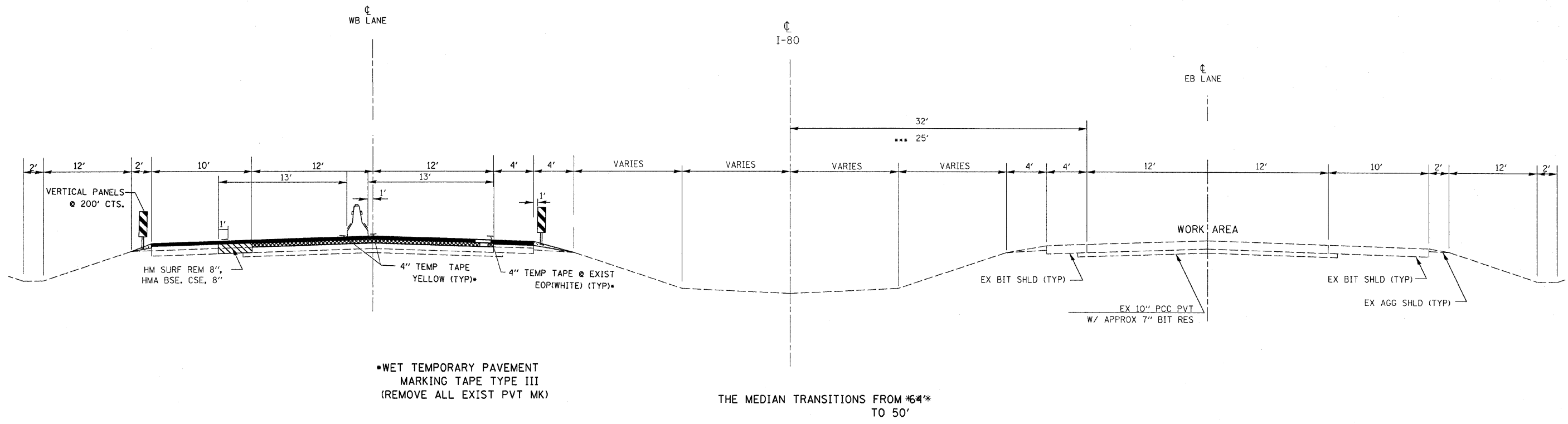
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	50

STA. 305±00 TO STA. 320±00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

# BETWEEN MEDIAN CROSSOVERS



•WET TEMPORARY PAVEMENT MARKING TAPE TYPE III (REMOVE ALL EXIST PVT MK)

NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

## STAGE II MAINLINE AND THROUGH BRIDGES

### STAGE II TYP SECTION

PLOT DATE = Aug 27, 2008 8:02:56 PM  
 FILE NAME = C:\p01\verzelko\dms3261\stg2a.dgn  
 PLOT SCALE = 50.0000 / 1" = 100'  
 USER NAME = verzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	51

STA. 305±00 TO STA. 320±00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14B,8-1,VB,VB-1,VB-2,VB-3)BR

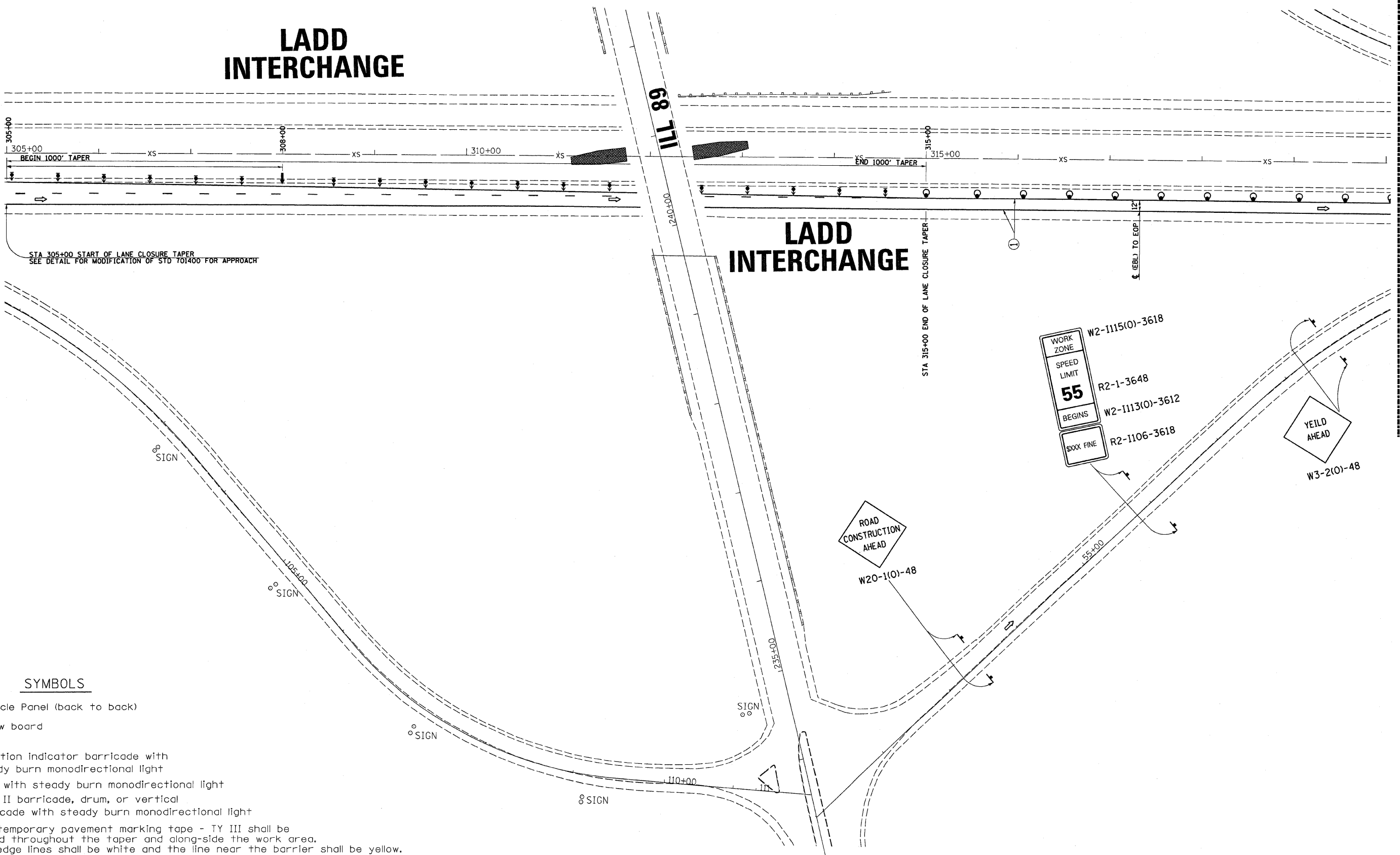
\*\* BUREAU & LASALLE

**PRE-STAGE I CONSTRUCTION**

Patch, mill, resurface (binder & surface courses) EB & WB lanes  
 Sta 1803+19 to Sta 341+00 & Sta 349+00 to Sta 533+50

ALL PRE-STAGE I WORK SHALL BE PERFORMED @ NIGHT

**LADD INTERCHANGE**



STA 305+00 START OF LANE CLOSURE TAPER  
 SEE DETAIL FOR MODIFICATION OF STD 701400 FOR APPROACH

STA 315+00 END OF LANE CLOSURE TAPER

**MATCH LINE STA 320+00**

**SYMBOLS**

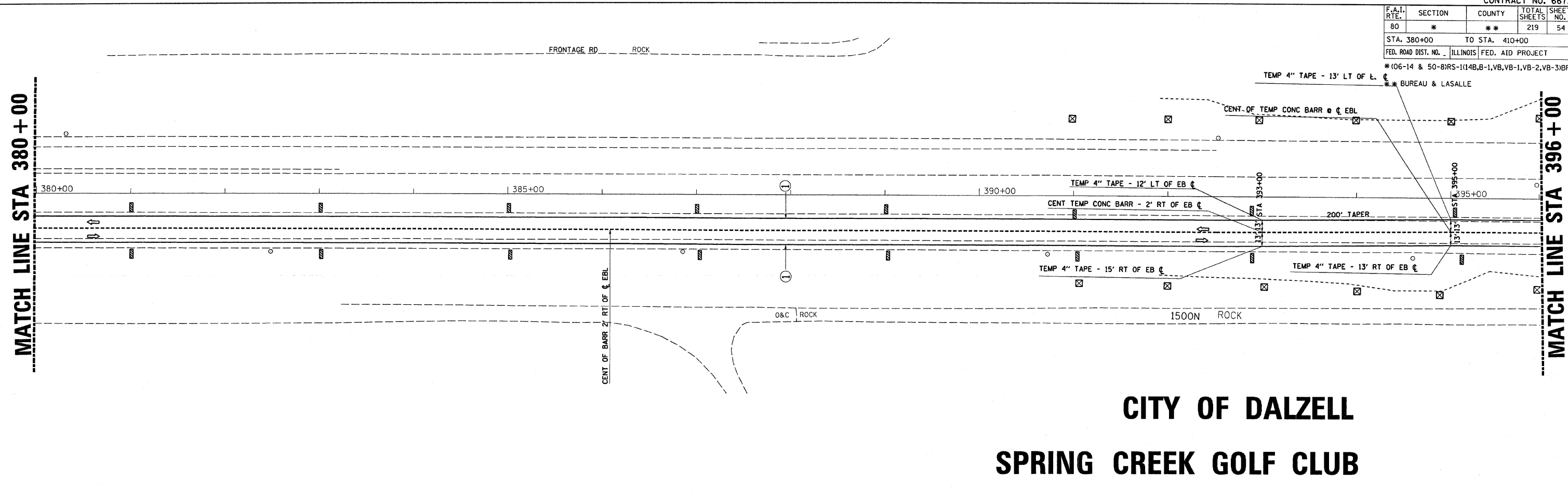
- ▨ Vertical Panel (back to back)
- ↑ Arrow board
- ⊥ Sign
- ⬆ Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- ⬇ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 27, 2008 - 8:12:42 PM  
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 USER NAME = wenzelko

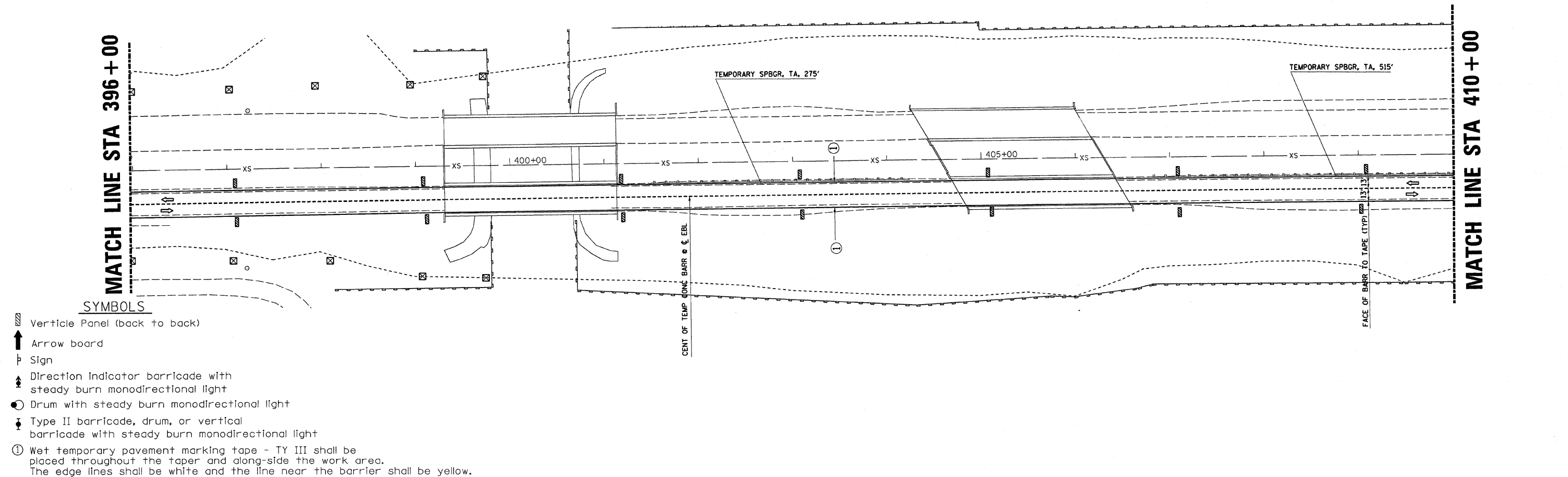




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	54
STA. 380+00		TO STA. 410+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				



**CITY OF DALZELL  
SPRING CREEK GOLF CLUB**



**SYMBOLS**

- ▨ Vertical Panel (back to back)
- ➔ Arrow board
- ⊥ Sign
- ➔➔ Direction Indicator barricade with steady burn monodirectional light
- ⊙ Drum with steady burn monodirectional light
- ⊥ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 29, 2008 - 8:44:28 AM  
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 USER NAME = braboygc



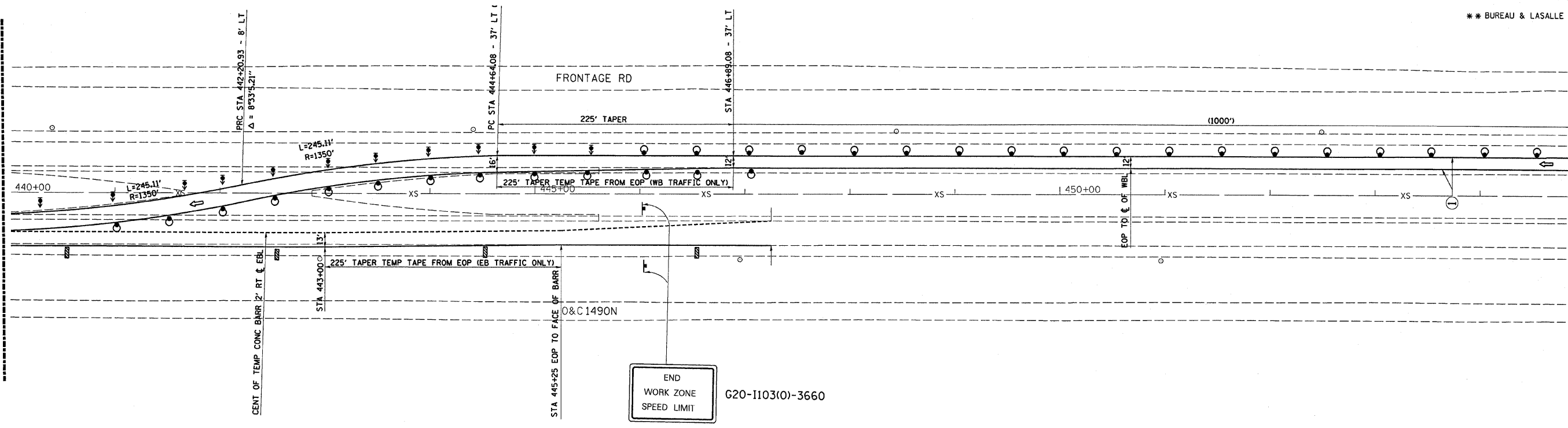
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	56

STA. 440+00 TO STA. 470+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

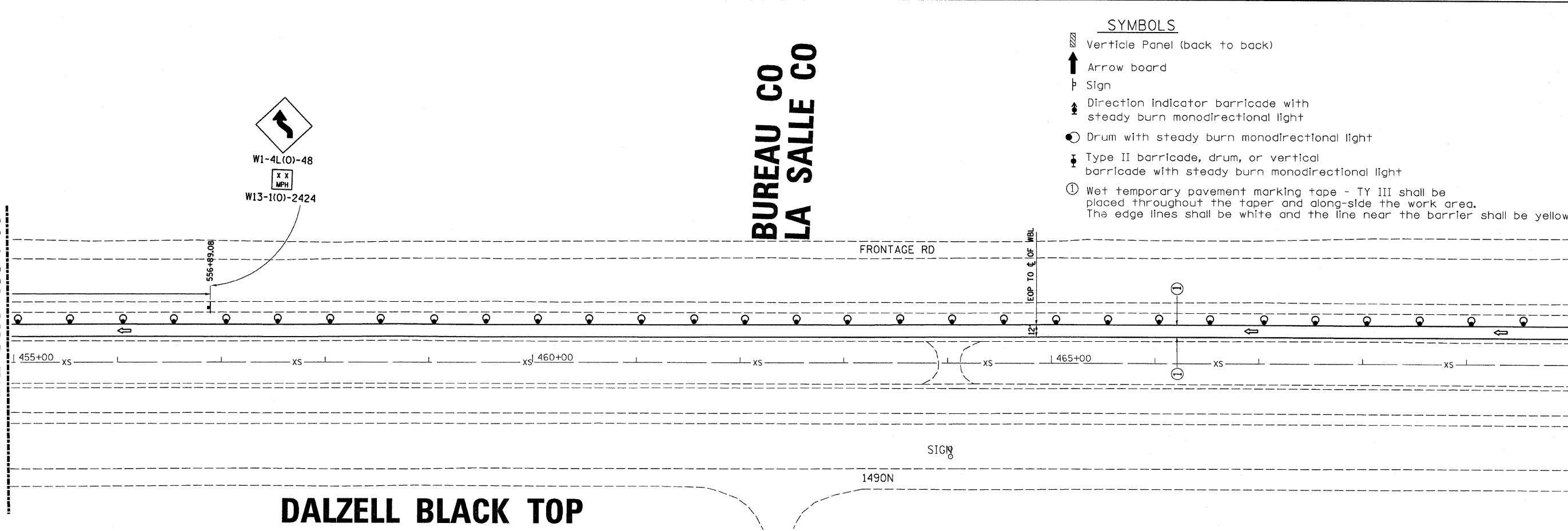
MATCH LINE STA 440+00

MATCH LINE STA 455+00



MATCH LINE STA 455+00

MATCH LINE STA 470+00



**SYMBOLS**

- Vertical Panel (back to back)
- Arrow board
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE : Aug 27, 2008 - 01:13:24 PM  
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 USER NAME : wenzelko

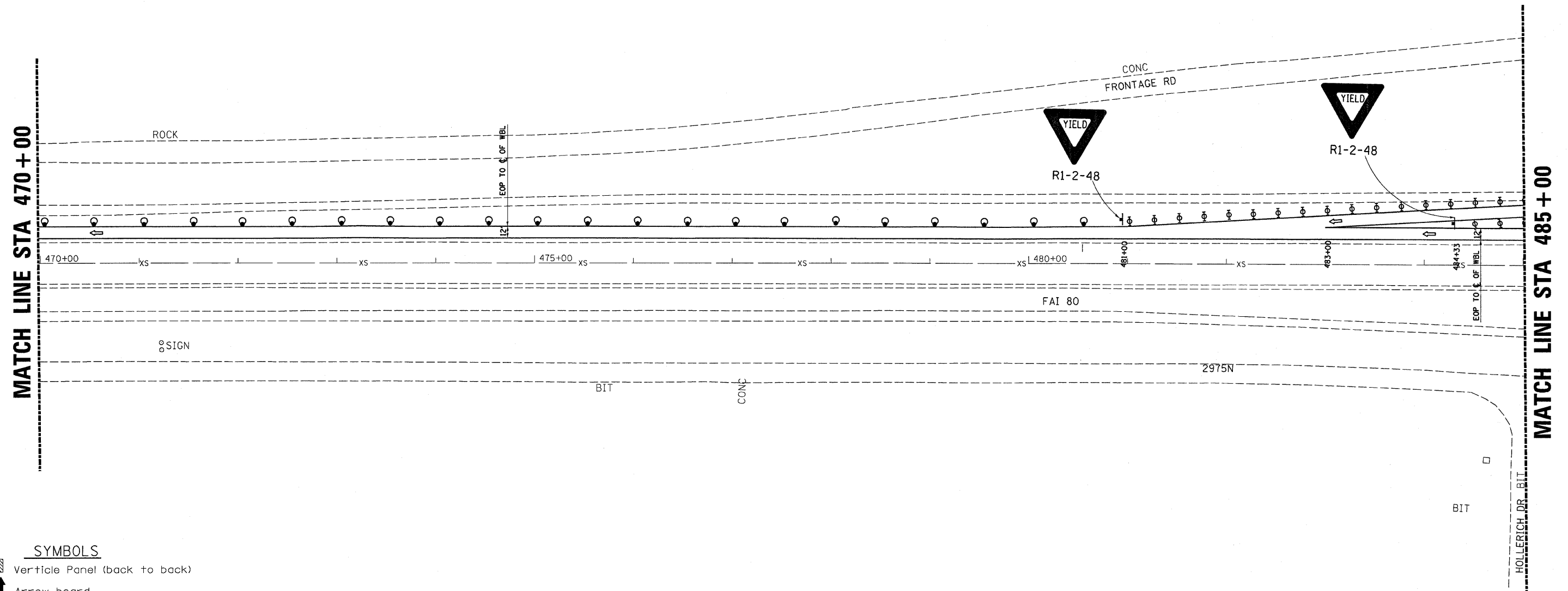


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	57

STA. 470+00 TO STA. 485+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



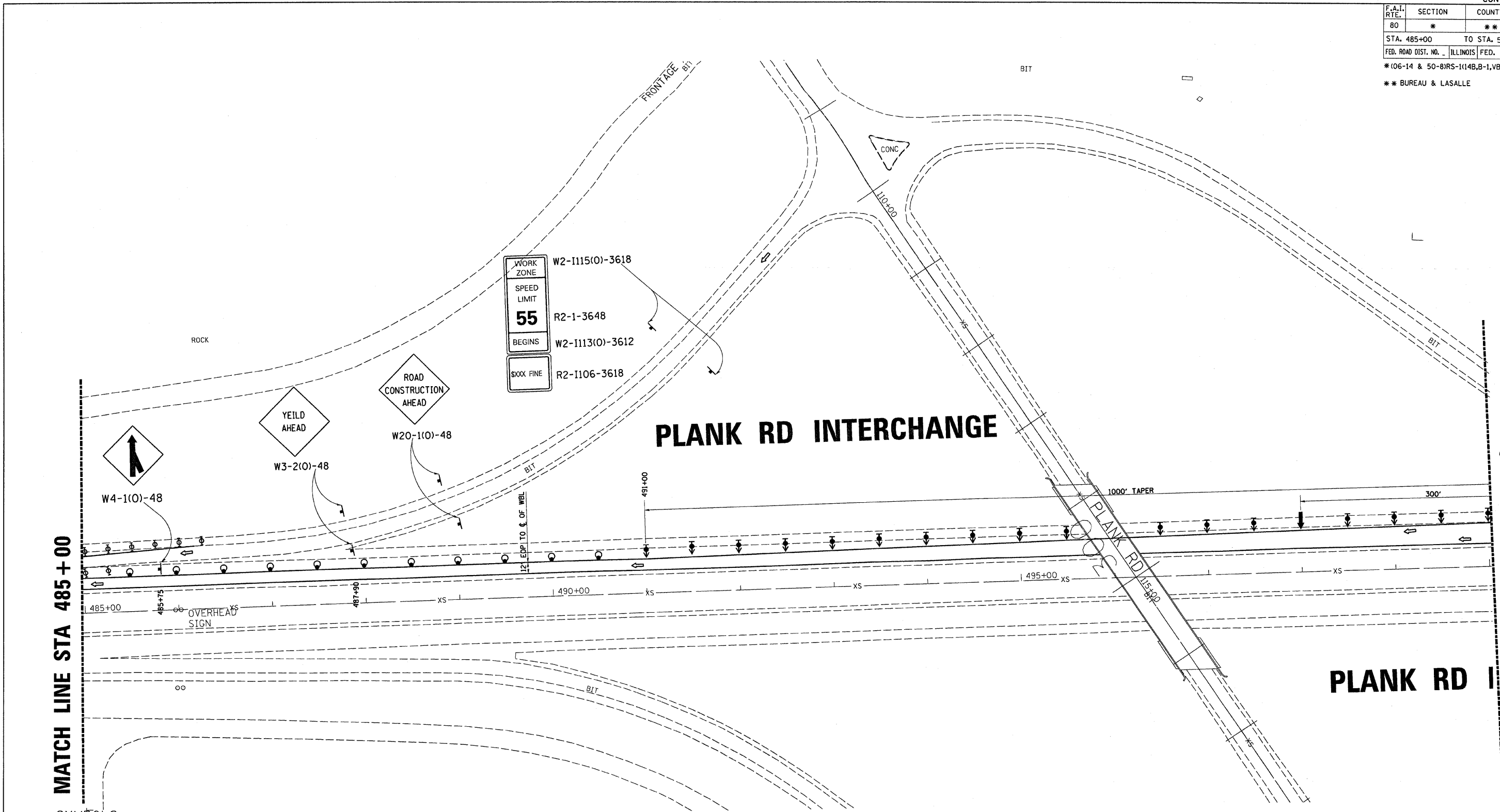
**SYMBOLS**

- Vertical Panel (back to back)
- Arrow board
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 27, 2009 - 09:13:26 PM  
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 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	58

STA. 485+00 TO STA. 500+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\* BUREAU & LASALLE



MATCH LINE STA 485+00

MATCH LINE STA 500+00

### PLANK RD INTERCHANGE

PLANK RD I

**SYMBOLS**

- ▨ Vertical Panel (back to back)
- ↑ Arrow board
- ⊥ Sign
- Drum with steady burn monodirectional light
- ⬇ Direction indicator barricade with steady burn monodirectional light
- ⊥ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

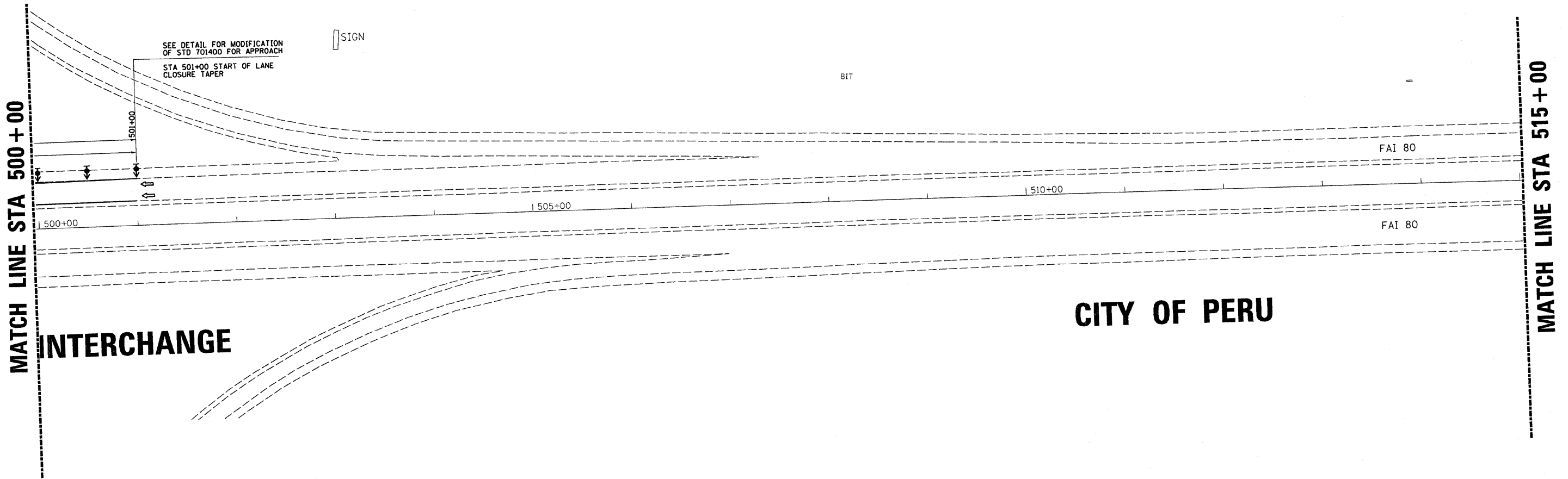
PLOT DATE = Aug 27 2008 09:34:41 PM  
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 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	59

STA. 500+00 TO STA. 515+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE

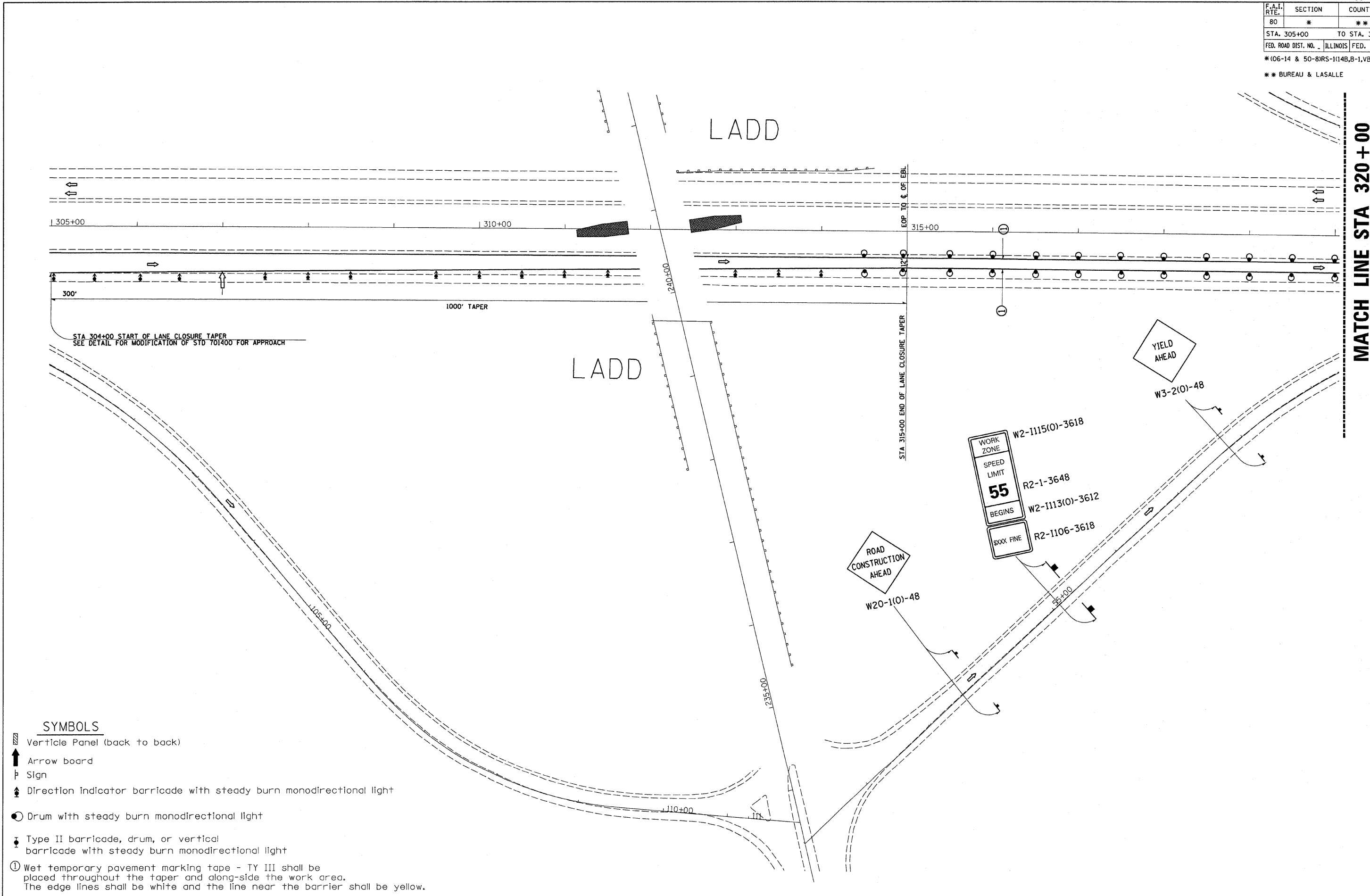


**SYMBOLS**

- Vertical Panel (back to back)
- Arrow board
- Sign
- Drum with steady burn monodirectional light
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 27, 2008 - 04:13:49 PM  
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 PLOT SCALE = 50.00000 / IN.  
 USER NAME = userzko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	60
STA. 305+00		TO STA. 320+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
*(06-14 & 50-8)RS-1(14B,8-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



MATCH LINE STA 320+00

**SYMBOLS**

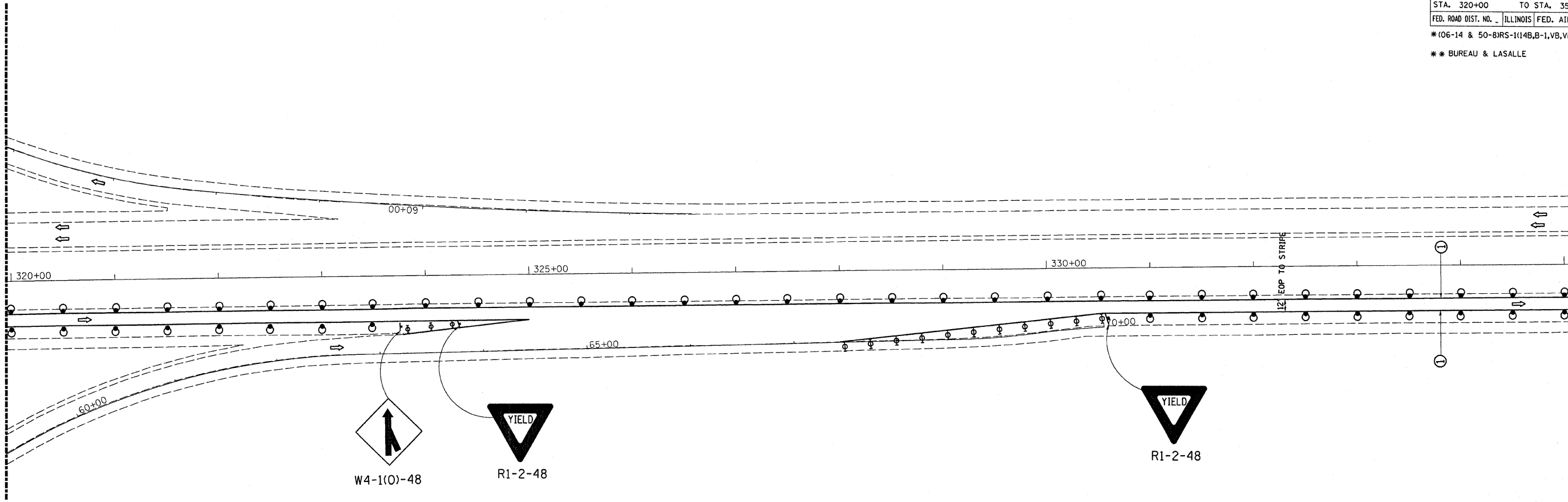
- ▨ Vertical Panel (back to back)
- ↑ Arrow board
- ⊥ Sign
- ⬆ Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- ⊥ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 27 2008 - 09:22:12 PM  
 FILE NAME = c:\work\projects\66731\ladd\sheet2.dgn  
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 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	61
STA. 320+00 TO STA. 350+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

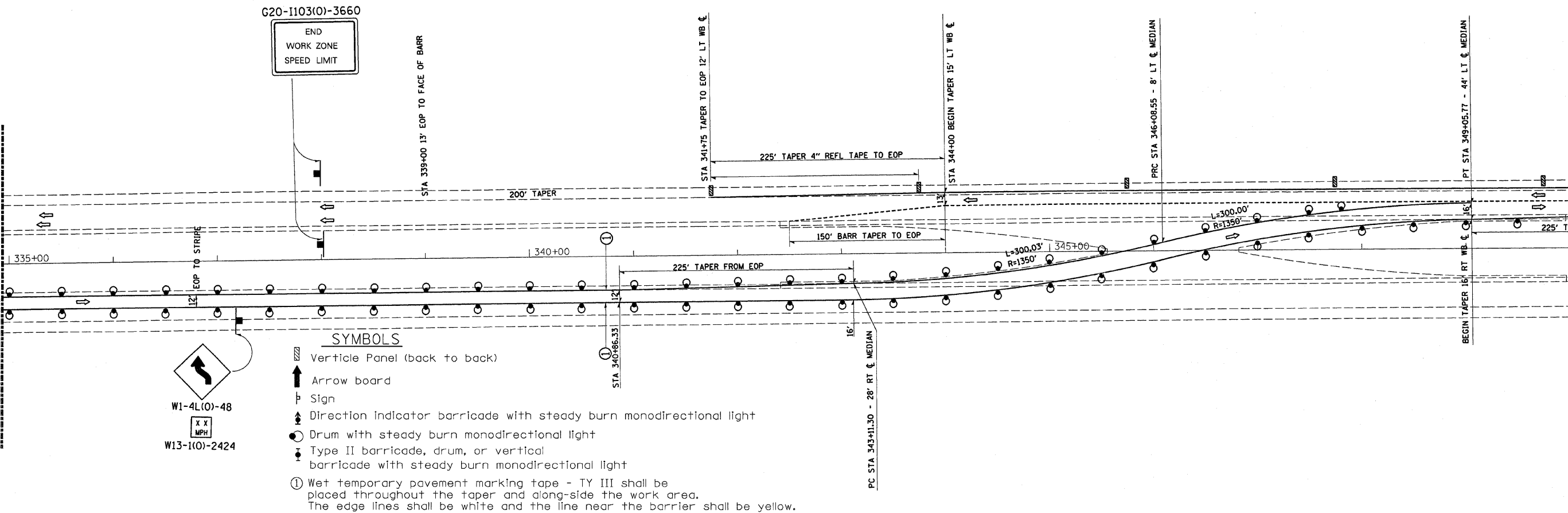
MATCH LINE STA 320+00

MATCH LINE STA 335+00



MATCH LINE STA 335+00

MATCH LINE STA 350+00



**SYMBOLS**

- Vertical Panel (back to back)
- Arrow board
- Sign
- Direction Indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 27, 2008 - 01:22:23 PM  
 FILE NAME = c:\pwworkspace\user132861\sheet.dgn  
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 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	62

STA. 350+00 TO STA. 380+00

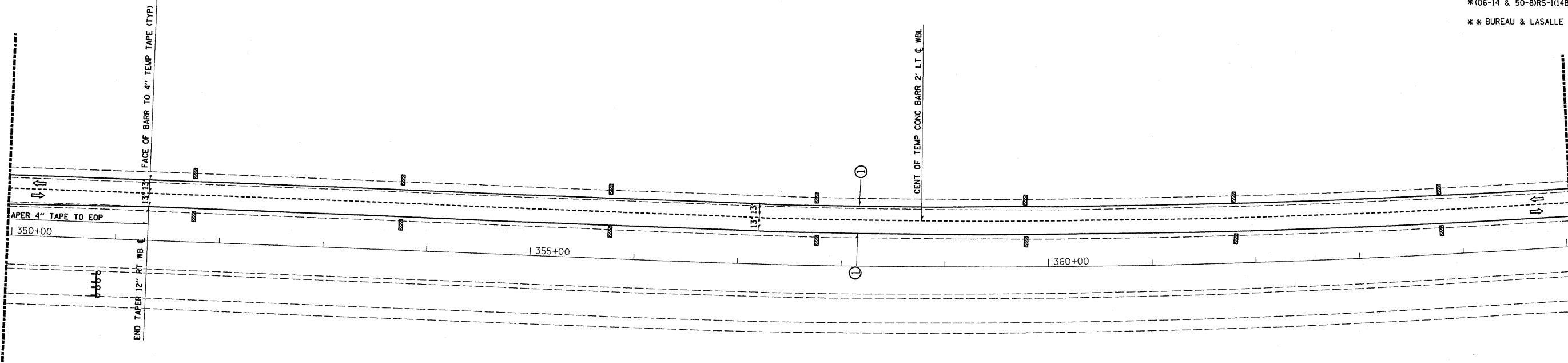
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14)B,B-1,VB,VB-1,VB-2,VB-3BR

\*\* BUREAU & LASALLE

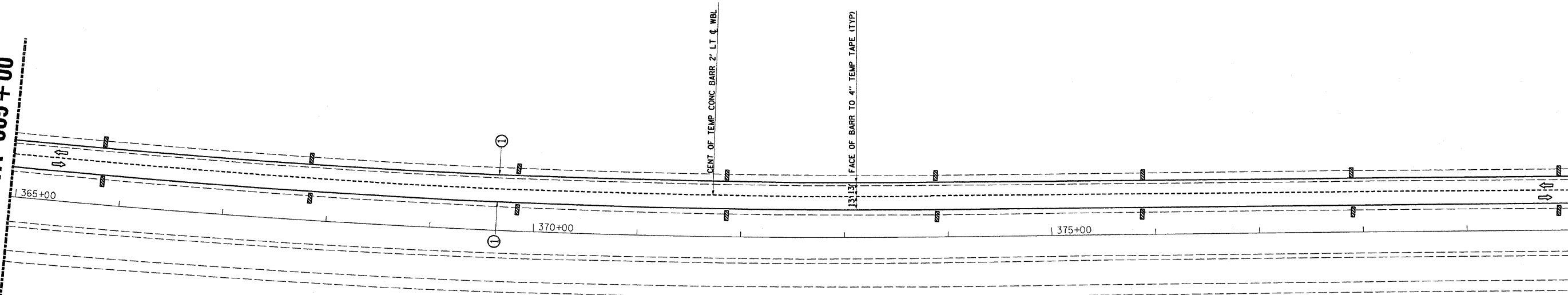
MATCH LINE STA 350+00

MATCH LINE STA 365+00



MATCH LINE STA 365+00

MATCH LINE STA 380+00



**SYMBOLS**

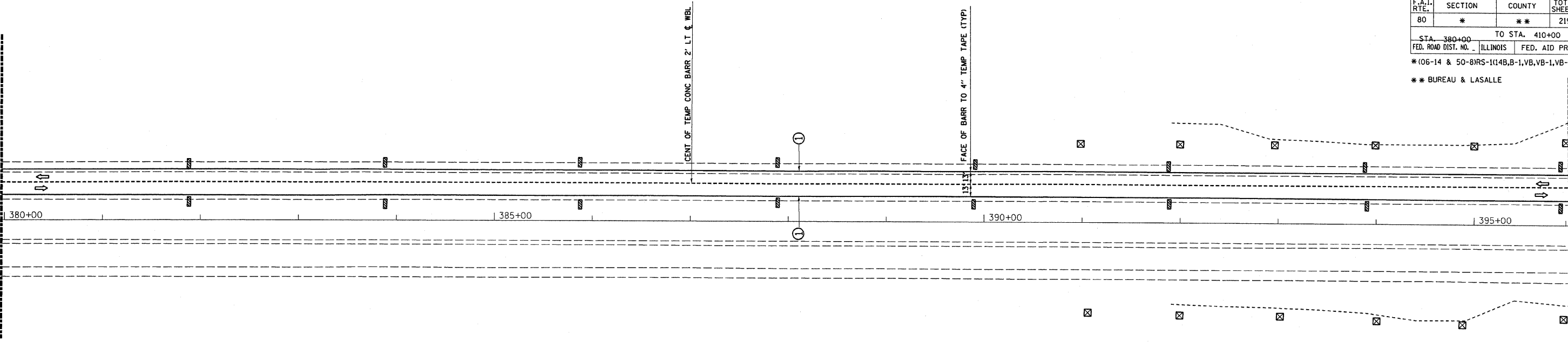
- Vertical Panel (back to back)
- Arrow board
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE : Aug 27, 2009 - 01:22:03 PM  
 FILE NAME : c:\pwworkspace\1148811\dms32861\dwg\stg2.dwg  
 PLOT SCALE : 50.00000' / 1" / in.  
 USER NAME : wenzelko

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	63
STA. 380+00		TO STA. 410+00		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				

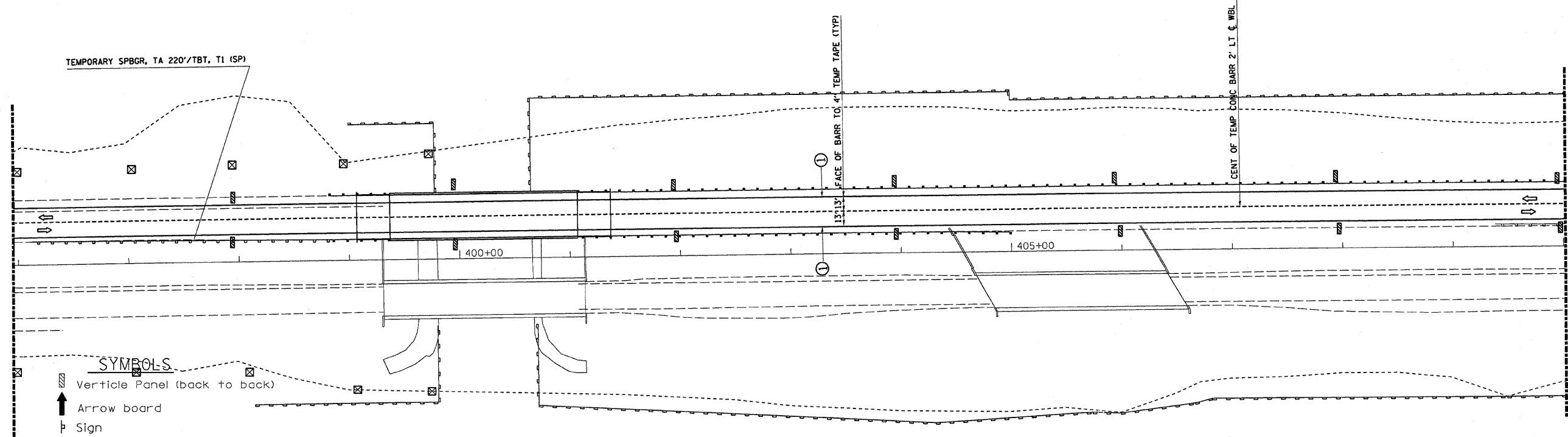
MATCH LINE STA 380+00

MATCH LINE STA 396+00



MATCH LINE STA 396+00

MATCH LINE STA 410+00

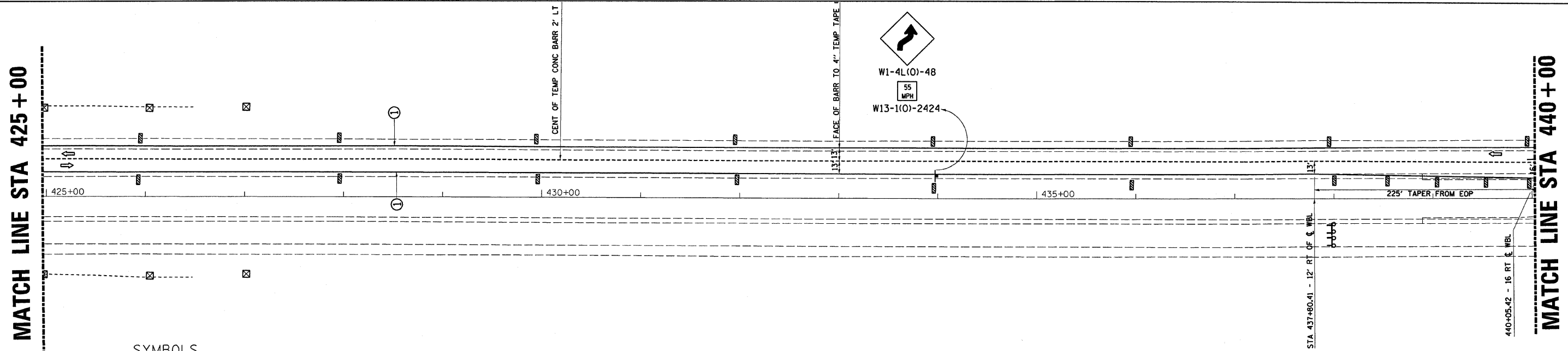
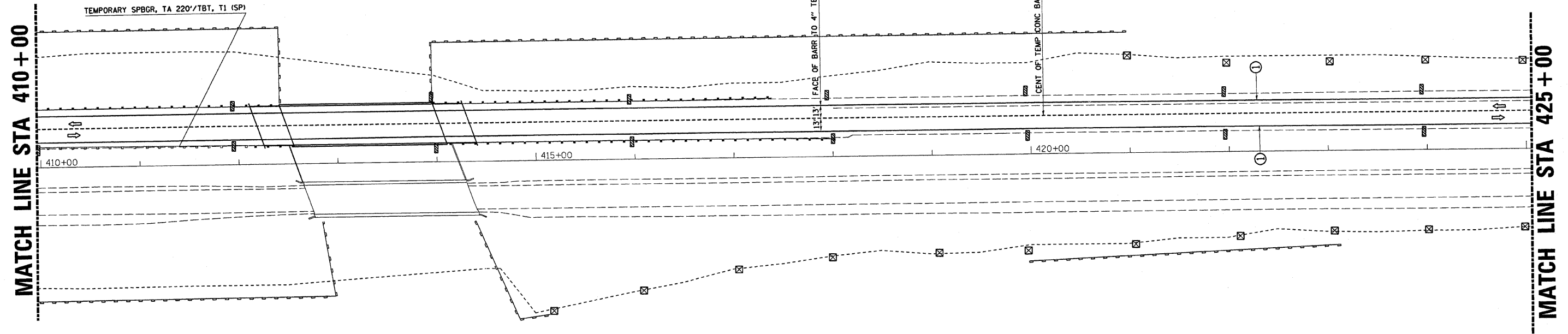


**SYMBOLS.**

- Verticle Panel (back to back)
- Arrow board
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

PLOT DATE = Aug 29, 2008 - 10:32:23 AM  
 FILE NAME = c:\pwworking\braboyco\dms32861\sheet63.dgn  
 PLOT SCALE = 50.0000' / IN.  
 USER NAME = braboyco

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	64
STA. 410+00 TO STA. 440+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



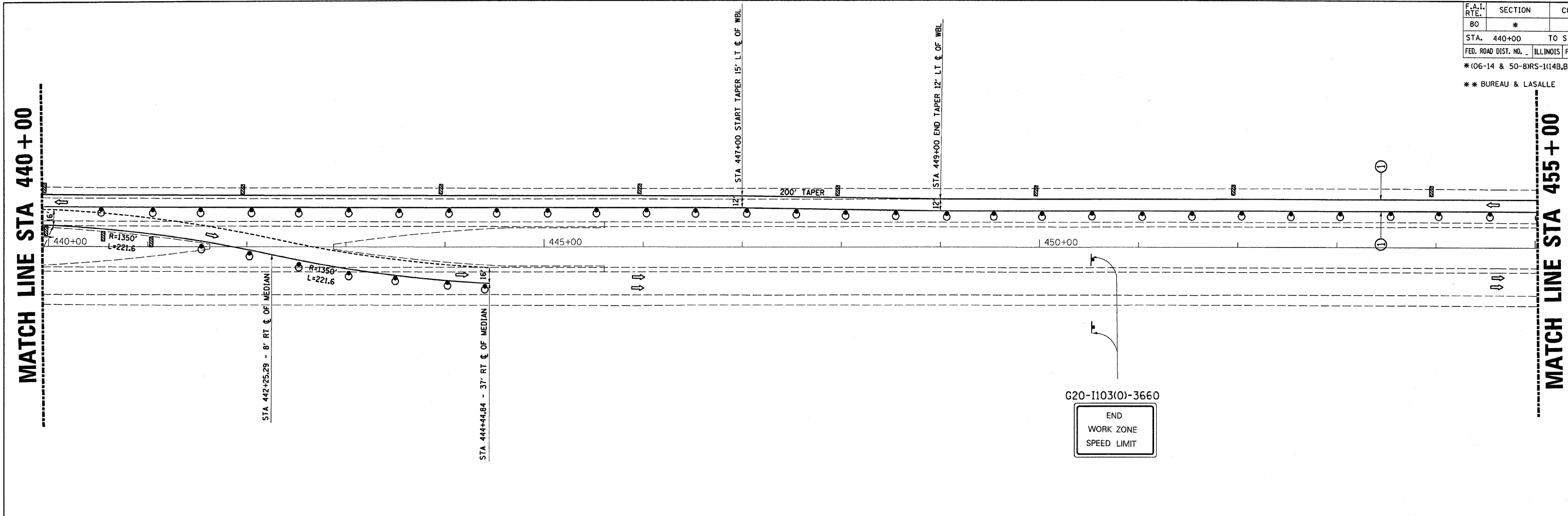
- SYMBOLS**
- Vertical Panel (back to back)
  - Arrow board
  - Sign
  - Direction indicator barricade with steady burn monodirectional light
  - Drum with steady burn monodirectional light
  - Type II barricade, drum, or vertical barricade with steady burn monodirectional light
  - Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.



PLOT DATE = Aug 29, 2008 - 10:33:41 AM  
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 PLOT SCALE = 50.0000' / IN.  
 USER NAME = brabogg

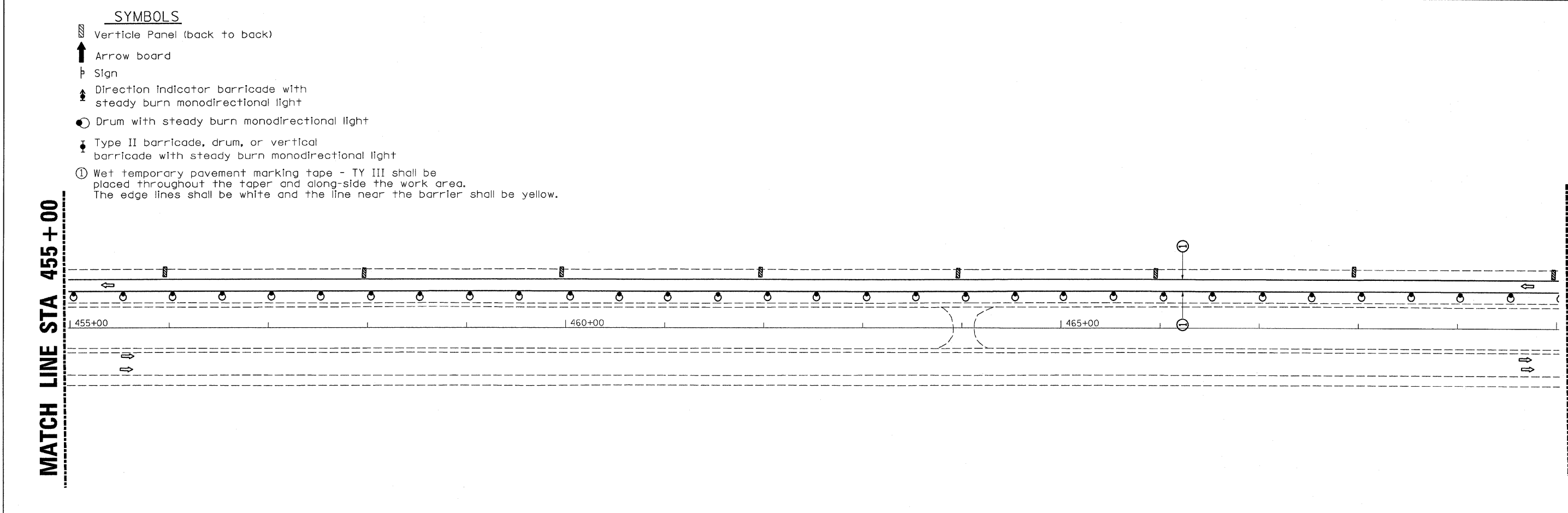


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	65
STA. 440+00 TO STA. 470+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3)BR				
** BUREAU & LASALLE				



**SYMBOLS**

- Vertical Panel (back to back)
- Arrow board
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.



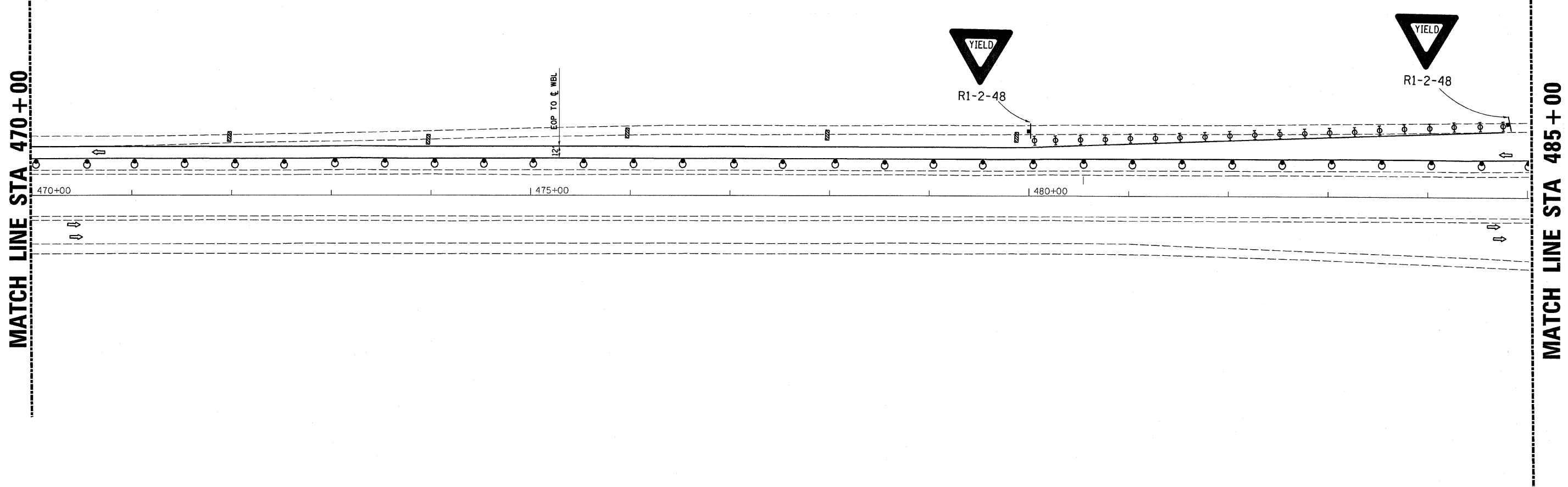
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 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	66

STA. 470+00 TO STA. 485+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



- SYMBOLS**
- Vertical Panel (back to back)
  - Arrow board
  - Sign
  - Direction indicator barricade with steady burn monodirectional light
  - Drum with steady burn monodirectional light
  - Type II barricade, drum, or vertical barricade with steady burn monodirectional light
  - Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

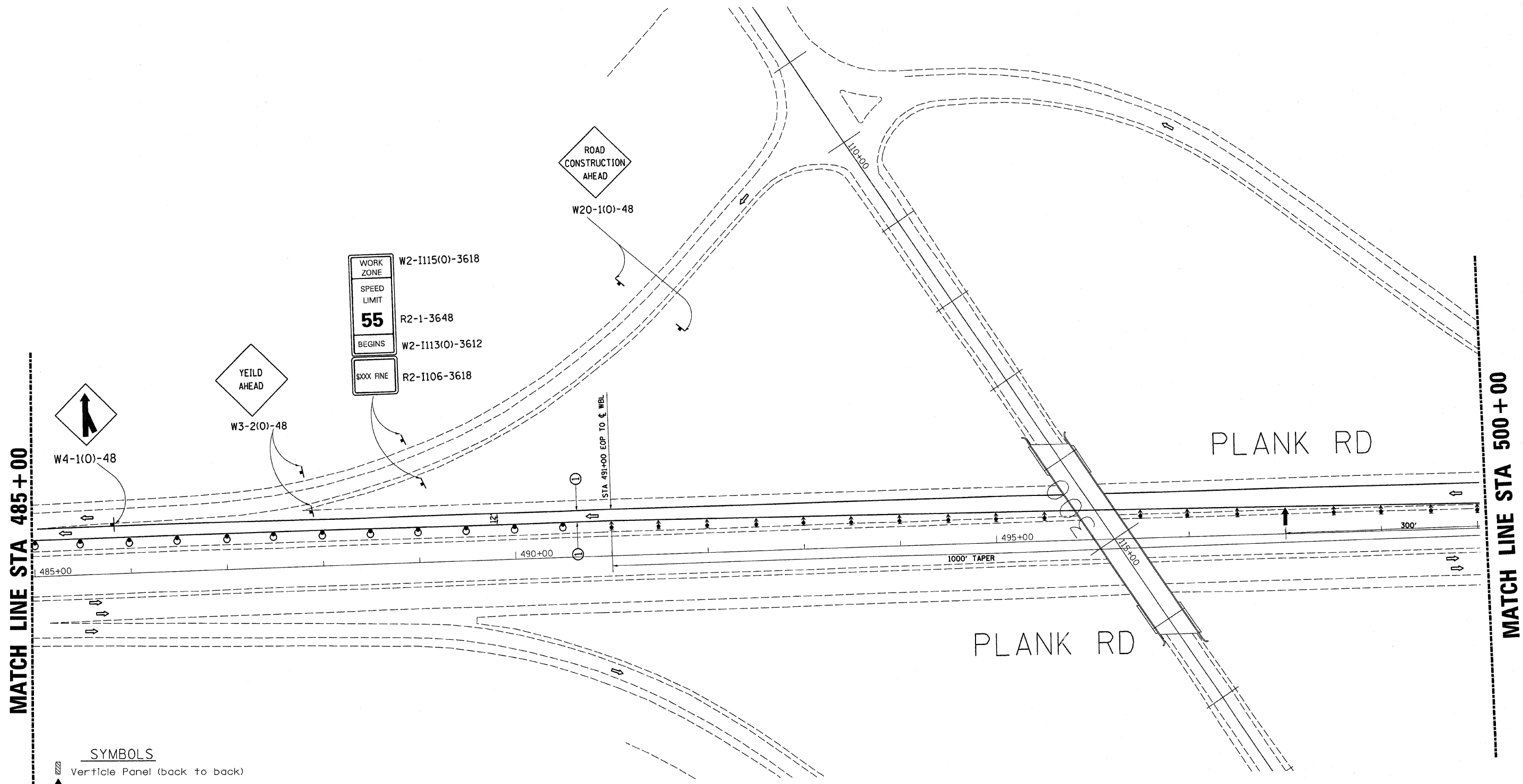
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 USER NAME = wenzelko

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	67

STA. 485+00 TO STA. 500+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(1)4B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



MATCH LINE STA 485+00

MATCH LINE STA 500+00

- SYMBOLS**
- Vertical Panel (back to back)
  - Arrow board
  - Sign
  - Direction indicator barricade with steady burn monodirectional light
  - Drum with steady burn monodirectional light
  - Type II barricade, drum, or vertical barricade with steady burn monodirectional light
  - Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

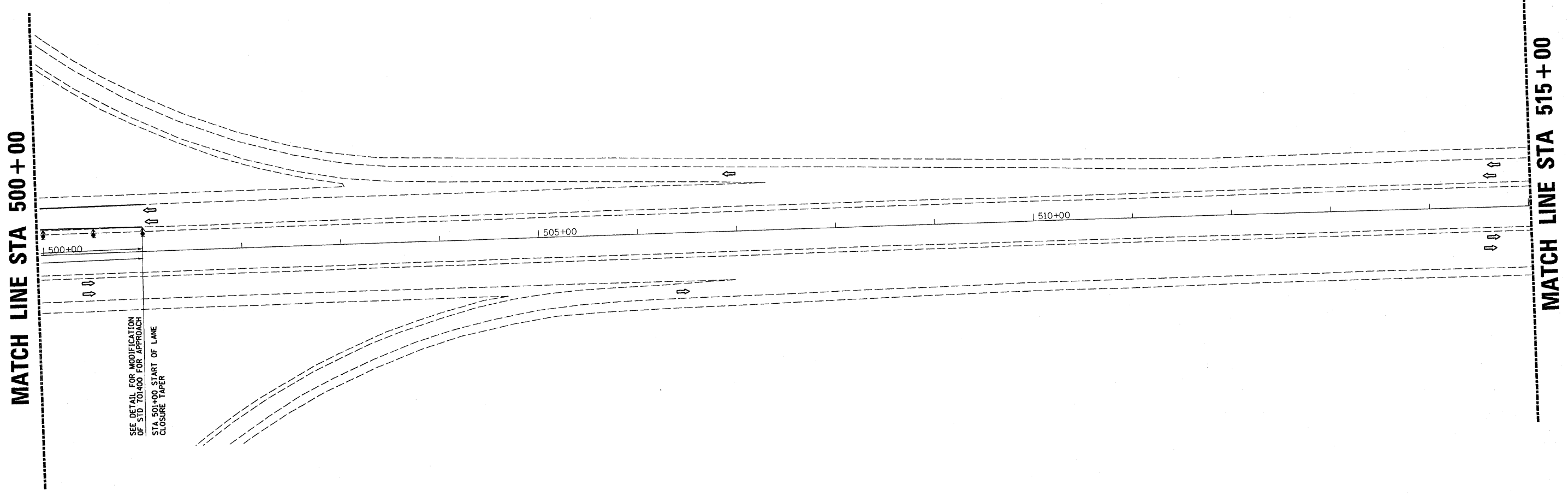
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F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	**	219	68

STA. 500+00 TO STA. 515+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(06-14 & 50-8)RS-1(14B,B-1,VB,VB-1,VB-2,VB-3)BR

\*\* BUREAU & LASALLE



SEE DETAIL FOR MODIFICATION OF STD. TAPER FOR APPROACH STA 501+00. START OF LANE CLOSURE TAPER

**SYMBOLS**

- ▨ Vertical Panel (back to back)
- ➔ Arrow board
- ⊥ Sign
- ⬆ Direction Indicator barricade with steady burn monodirectional light
- ⊙ Drum with steady burn monodirectional light
- ⬇ Type II barricade, drum, or vertical barricade with steady burn monodirectional light
- ① Wet temporary pavement marking tape - TY III shall be placed throughout the taper and along-side the work area. The edge lines shall be white and the line near the barrier shall be yellow.

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUR & LAS	219	69

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_  
 FED. ROAD DIST. NO. \_\_\_\_\_ ILLINOIS FED. AID PROJECT

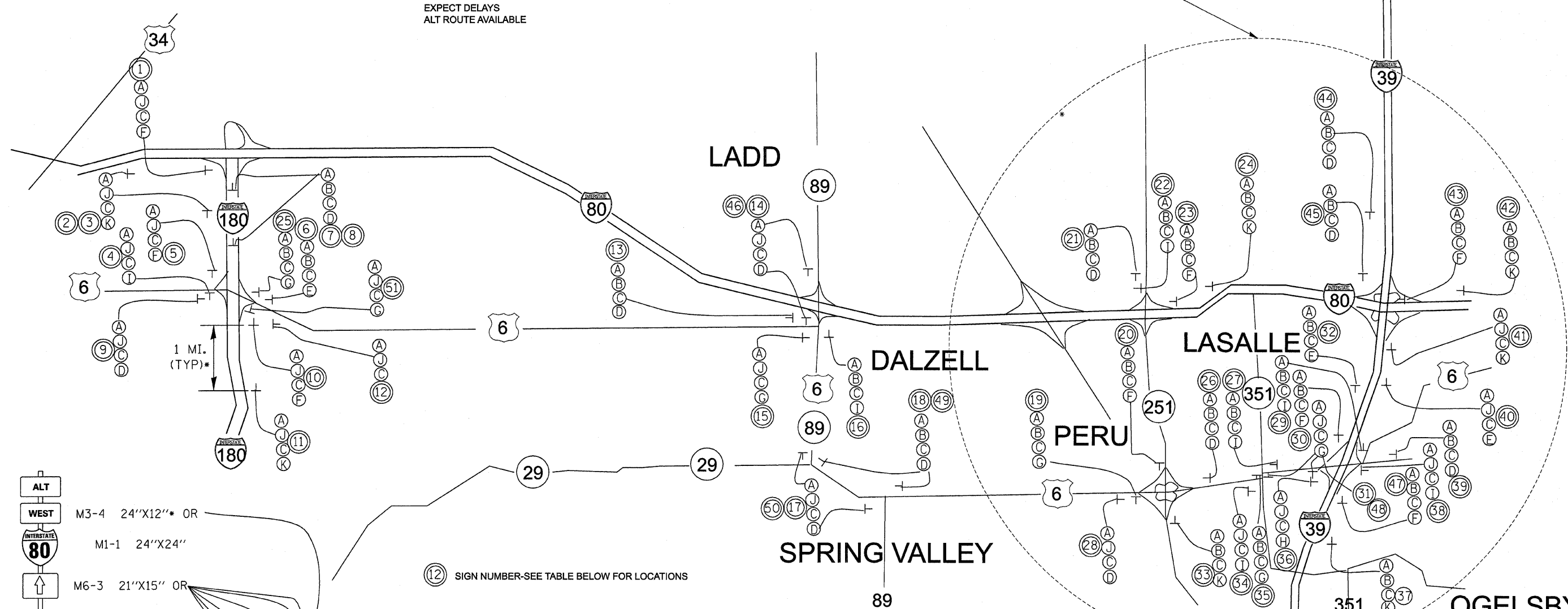
\* (06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR

ALL SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED BY THE CONTRACTOR AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR AT THE COMPLETION OF THE PROJECT.

THE TWO EXTRA MESSAGE BOARDS ON I-80 AS OUTLINED IN THE SPECIAL PROVISIONS SHALL DISPLAY THE FOLLOWING MESSAGE:

I-80 CONSTRUCTION AHEAD  
 EXPECT DELAYS  
 ALT ROUTE AVAILABLE

SEE NEXT PAGE FOR CLARITY



SIGN

- A ALT
- B WEST
- C M3-4 24"x12" OR
- D M1-1 24"x24"
- E M6-3 21"x15" OR
- F M5-1(R) 21"x15"
- G M6-1 21"x15"
- H M6-1 21"x15"
- I M5-1(L) 21"x15"
- J M6-1 21"x15"
- K M5-2 21"x15"
- L M3-4 24"x12" OR

\*SIGNS A, D, E, F, G, H, I, K  
 FLORESCENT ORANGE  
 W/BLACK SYMBOLS  
 \*SIGNS B AND J BLUE  
 WITH WHITE LETTERS

(12) SIGN NUMBER-SEE TABLE BELOW FOR LOCATIONS

SIGN NUMBER	LOCATION OF SIGN	SIGNS TO BE USED	SIGN NUMBER	LOCATION OF SIGN	SIGNS TO BE USED
1	I-80(EB) AT START OF RAMP	A, J, C, F	26	US 6(WB) 100' BEFORE RAMPS	A, B, C, D
2	I-80 (EB) 1 MILE PRIOR TO SIGN 1	A, J, C, K	27	US 6(WB) AT I/351 INTERSECTION	A, B, C, I
3	I-180(SB) 1 MILE PRIOR TO SIGN 5	A, J, C, K	28	US 6(EB) 100' BEFORE RAMPS	A, J, C, D
4	AT TOP OF RAMP FOR I-180(SB) TRAFFIC HEADING EAST ONTO US 6	A, J, C, I	29	AT TOP OF RAMP FOR I-39(NB) TRAFFIC HEADING WEST ONTO US 6	A, B, C, I
5	I-180 (SB) AT START OF RAMP	A, J, C, F	30	I-39(SB) AT START OF RAMP	A, B, C, F
6	US 6(WB) 100' PRIOR TO RAMP	A, B, C, E	31	IL 351/US 6 (NB) AT US 6 SOUTH INTERSECTION	A, J, C, G
7	I-180(NB) 1 MILE PRIOR TO SIGN 8, ON PASSING LANE SIDE	A, B, C, D	32	I-39(SB) 1 MILE PRIOR TO SIGN 30	A, B, C, E
8	I-180(NB) 0.5 MILE PRIOR INTERCHANGE, ON PASSING LANE SIDE	A, B, C, D	33	IL 251(NB) AT START OF RAMP FOR US 6 WB	A, B, C, K
9	US 6(EB) 100' PRIOR TO RAMP	A, J, C, D	34	US 6(EB) AT US 6/IL 351 SOUTH INTERSECTION	A, J, C, I
10	I-180(NB) AT START OF RAMP	A, J, C, F	35	US 6(EB) AT US 6/IL 351 SOUTH INTERSECTION	A, B, C, G
11	I-180 (NB) 1 MILE PRIOR TO SIGN 10	A, J, C, K	36	US 6(EB) 100' PRIOR TO RAMPS	A, B, C, H
12	US 6(EB) , 500' EAST OF I-180	A, J, C, D	37	I-39(NB) 1 MILE PRIOR TO SIGN 47	A, B, C, K
13	US 6(WB), 500' WEST OF IL 89	A, B, C, D	38	US 6(EB) AT RAMP	A, J, C, I
14	IL 89 (SB) 100' BEFORE RAMPS	A, J, C, D	39	US 6(WB) 100' PRIOR TO RAMP	A, B, C, D
15	US 6 (EB) AT US 6/IL 89 INTERSECTION	A, J, C, G	40	I-39(NB) 1 MILE PRIOR TO SIGN 41	A, J, C, E
16	US 6/IL 89(NB) AT RADIUS RETURN	A, B, C, I	41	I-39(NB) AT START OF RAMP	A, J, C, F
17	US 6 (EB) 200' PRIOR TO IL 89(SB) INTERSECTION	A, J, C, D	42	I-80(WB) EAST OF NB I-39 RAMP	A, B, C, K
18	US 6 (WB) 200' PRIOR TO IL 89(SB) INTERSECTION	A, B, C, D	43	I-80(EB) AT START OF RAMP TO SB I-39	A, B, C, F
19	AT TOP OF RAMP FOR IL 251(SB) TRAFFIC HEADING WEST	A, B, C, G	44	I-39(SB) ONE MILE PRIOR TO SIGN 45	A, B, C, D
20	IL 251(SB) AT START OF RAMP	A, B, C, F	45	I-39(SB) AT START OF RAMP	A, B, C, D
21	IL 251(SB) BETWEEN MAY ROAD AND RAMP	A, B, C, D	46	IL 89 (SB) AT US 6/IL 89 INTERSECTION	A, J, C, D
22	AT TOP OF RAMP FOR I-80(WB) TRAFFIC HEADING SOUTH ONTO IL 251	A, B, C, I	47	I-39(NB) AT START OF RAMP	A, B, C, F
23	I-80(WB) AT START OF RAMP FOR US 6 WB	A, B, C, F	48	I-39(SB) AT END OF RAMP, ON EXIT RAMP SIGN	A, B, C, G
24	I-80(WB) 1 MILE PRIOR TO SIGN 23	A, B, C, K	49	US 6 (WB) 100' BEFORE IL 29 INTERSECTION	A, B, C, D
25	US 6 (WB) AT I-180 RAMP (NB)	A, B, C, G	50	US 6 (EB) 100' BEFORE IL 29 INTERSECTION	A, J, C, D
			51	I-180 (NB) AT THE END OF EXIT RAMP WITH US 6	A, J, C, G
			52	US 6 (EB) AT I-180 RAMP (NB)	A, B, C, G

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	BUR & LAS	219	70
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

\*(06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR

DALZELL

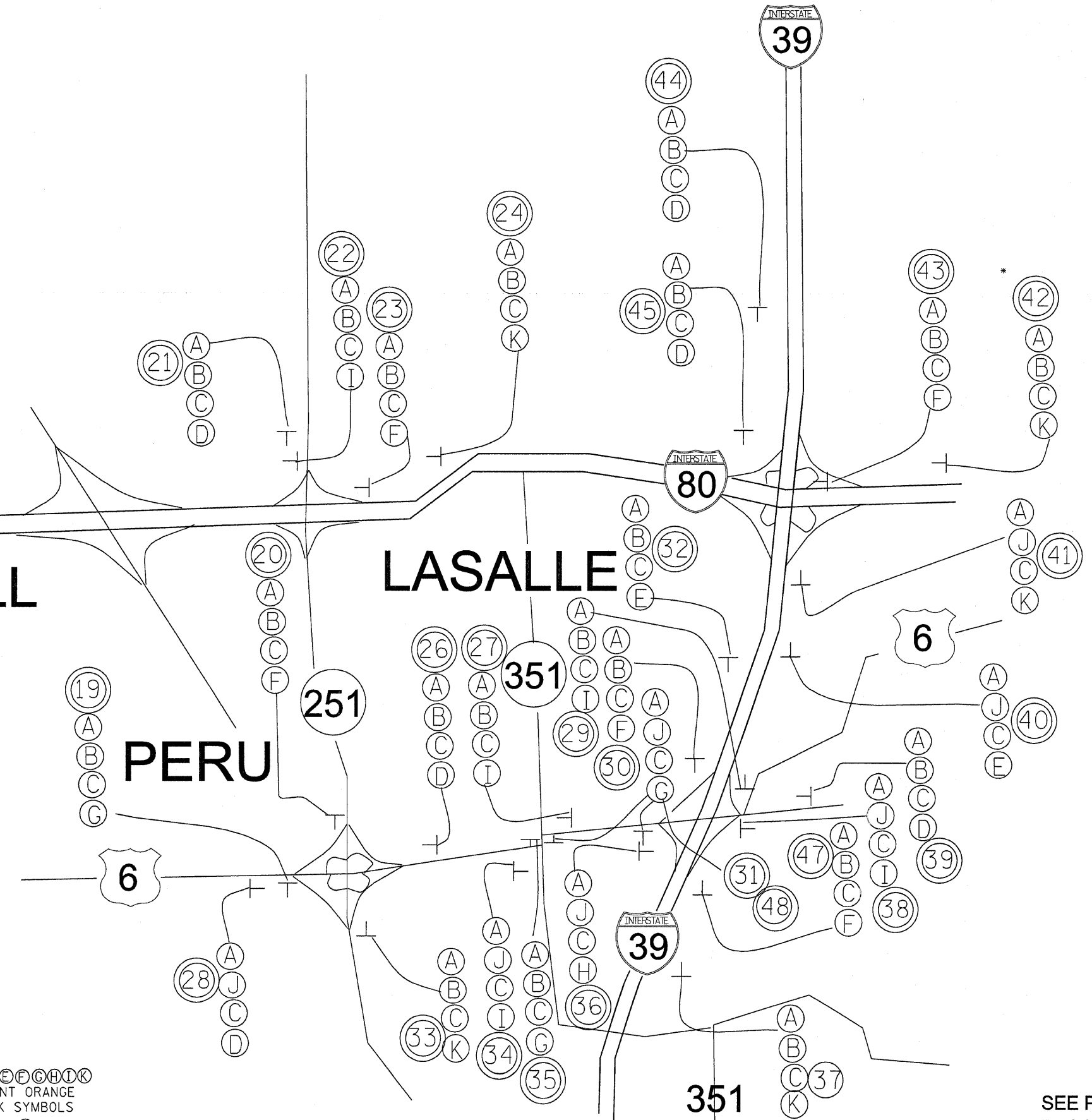
LASALLE

PERU

SIGN

- Ⓐ ALT
- Ⓑ WEST
- Ⓒ INTERSTATE 80
- Ⓓ M3-4 24"x12" OR
- Ⓔ M1-1 24"x24"
- Ⓕ M6-3 21"x15" OR
- Ⓖ M5-1(R) 21"x15"
- Ⓕ M6-1 21"x15"
- Ⓖ M6-1 21"x15"
- Ⓖ M5-1(L) 21"x15"
- Ⓖ M6-1 21"x15"
- Ⓖ M5-2 21"x15"
- Ⓙ EAST

\*SIGNS Ⓐ Ⓓ Ⓔ Ⓕ Ⓖ Ⓙ FLORESCENT ORANGE W/BLACK SYMBOLS  
 \*SIGNS Ⓑ AND Ⓙ BLUE WITH WHITE LETTERS



SEE PREVIOUS PAGE FOR DESCRIPTIONS OF SIGN LOCATIONS

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 USER NAME = wenzelko

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	*	**	219	71
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

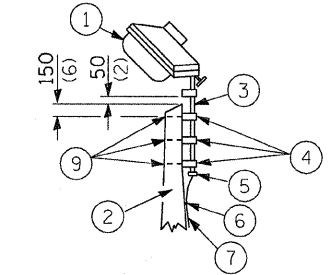
\*(06-14 & 50-8)RS-1 (14B,B-1,VB,VB-1,VB-2,VB-3)BR  
 \*\* BUREAU & LASALLE

NOTE:

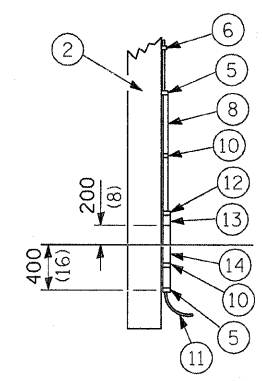
Luminaire(s) shall have a 2-pole inline weatherproof quick disconnect fuse holder.

Luminaire(s) shall be oriented and the mounting angle adjusted as recommended by the Engineer.

Connect luminaire equipment ground to ACSR messenger.



- ① Luminaire, 250W
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type USE cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
- ⑨ 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
- ⑩ Conduit clamps on 900 (36) centers
- ⑪ Unit duct
- ⑫ Threaded reducer
- ⑬ "C" Condulet, threaded
- ⑭ 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



POLE, WOOD

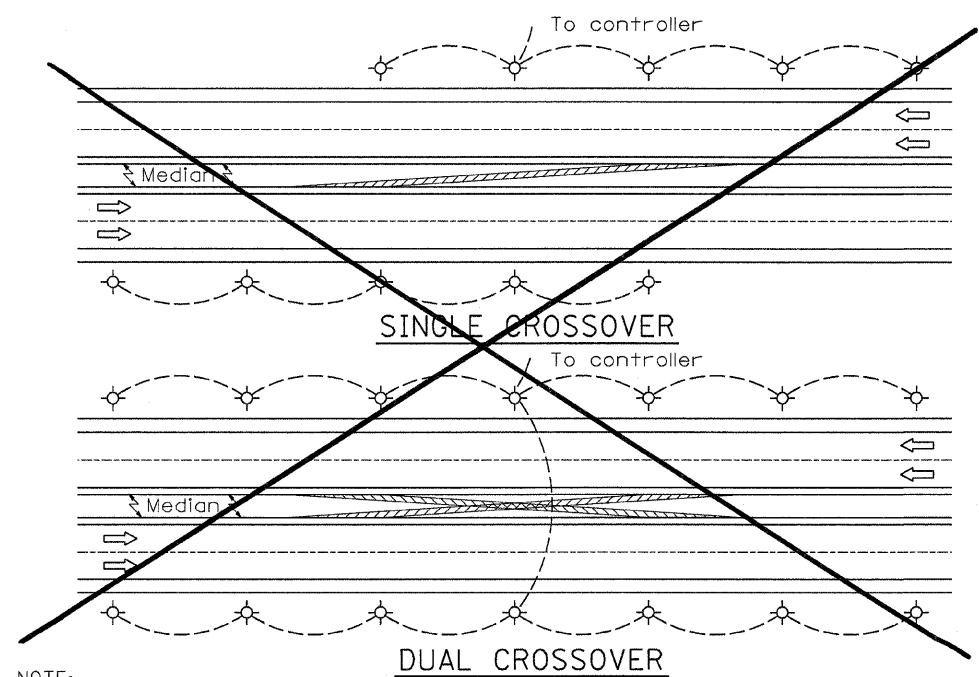
POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

TEMPORARY ROADWAY LIGHTING

REVISIONS	
NAME	DATE

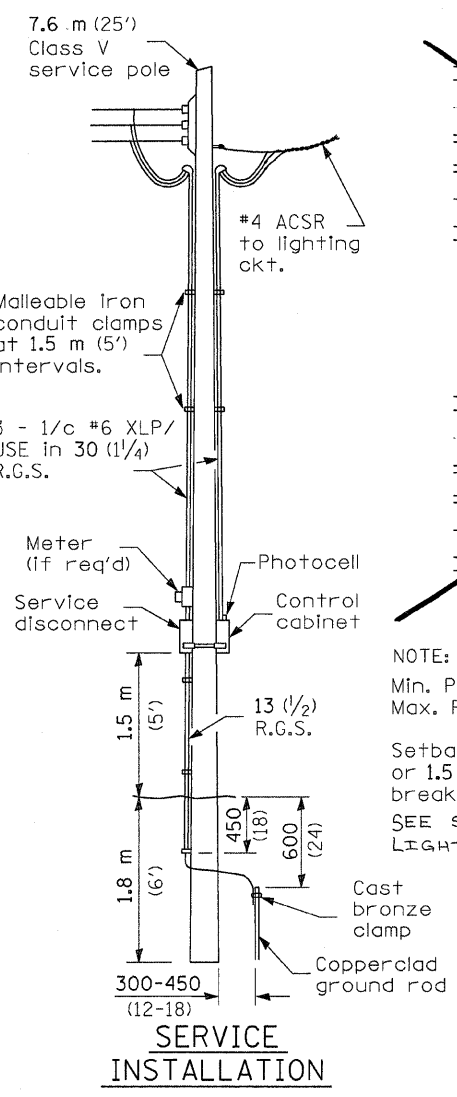
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TEMPORARY ROADWAY LIGHTING



NOTE:

Min. Pole spacing 60 m (200')  
 Max. Pole spacing 75 m (250')  
 Setback shall be min. 9 m (30') or 1.5 m (5') back of ditch, unless breakaway type pole is used.  
 SEE SHEET 72 FOR TEMPORARY LIGHTING PLAN.

- ① Luminaire, 250W
- ② Wood pole, class 3 or better
- ③ 63 (2 1/2) Galv. steel conduit
- ④ Single offset pole band
- ⑤ Conduit bushing
- ⑥ Cable clamps on 600 (24) centers
- ⑦ 2/c #12 Type USE cable
- ⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length

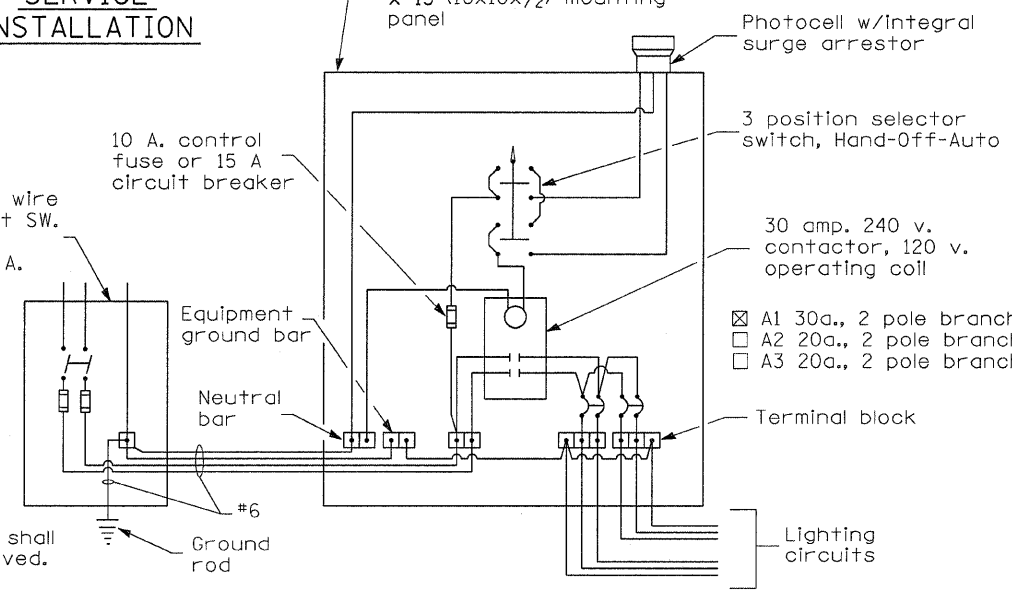


SERVICE INSTALLATION

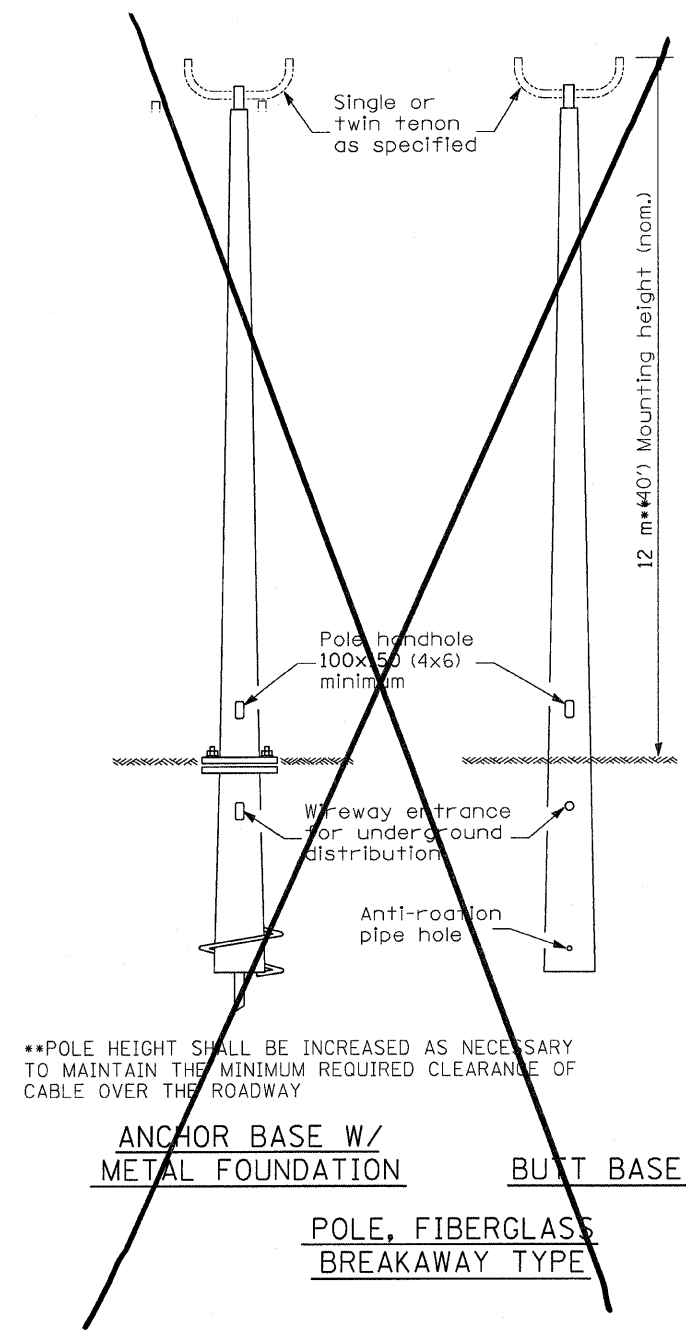
\* 2- Pole, 3 wire disconnect SW. NEMA 3R fused 30 A.

NOTE: All equipment shall be U.L. approved.

\* 30 A. or 60 A., dependent upon utility co. rules.



WIRING DIAGRAM



\*\*POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN THE MINIMUM REQUIRED CLEARANCE OF CABLE OVER THE ROADWAY

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 PLOT SCALE = 1000.0000 / IN.  
 USER NAME = wenzelko





Bench Mark: Top of SW wingwall of S.N.006-0032, Sta. 399+28.47, 53.5' right. Elevation 602.83.

Existing Structures: S.N. 006-0032 (EB) built in 1957 as F.A.P. Route 154, Section 14-B. S.N. 006-0033 (WB) built in 1958 as F.A.I. Route 6, Section 6-14B-1. Each structure consists of a three span reinforced concrete deck on continuous wide flange steel beams supported by pile bent spill thru abutments and multi-column piers. 185'-0" back-to-back abutments. 35'-8" out-to-out deck. Existing structures to be removed and replaced using cross overs.

No Salvage.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14BR & 14BR-1	BUREAU	219	73
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract No. 66731

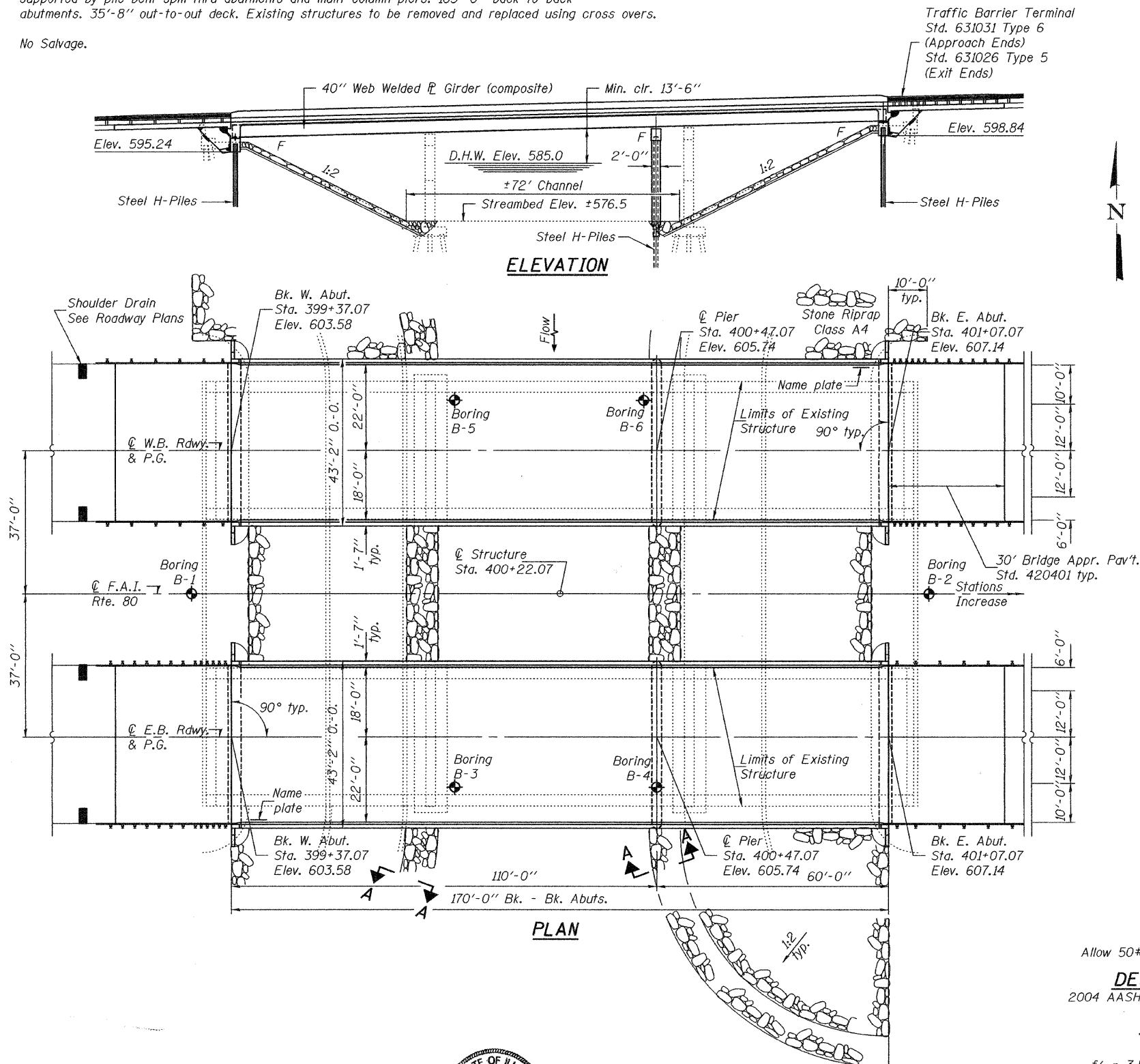
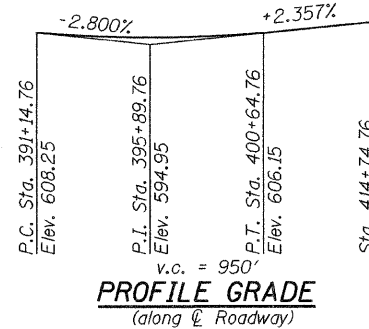
INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Data
- 3 Footing Layout
- 4-8 Top of Slab Elevations
- 9 Top of West Approach Pavement Elevation (E.B.)
- 10 Top of East Approach Pavement Elevation (E.B.)
- 11 Top of West Approach Pavement Elevation (W.B.)
- 12 Top of East Approach Pavement Elevation (W.B.)
- 13 Superstructure (E.B.)
- 14 Superstructure (W.B.)
- 15 Superstructure Details
- 16 Diaphragm Details
- 17 Structural Steel
- 18 Structural Steel Details
- 19 Bearing Details
- 20 West Abutment (E.B.)
- 21 East Abutment (E.B.)
- 22 West Abutment (W.B.)
- 23 East Abutment (W.B.)
- 24 Pier (E.B.)
- 25 Pier (W.B.)
- 26 Bar Splicer Assembly Details
- 27 Steel H Pile Details
- 28 Concrete Parapet Slipforming Option
- 29-32 Boring Logs

STATION 400+22.07  
BUILT 200 BY  
STATE OF ILLINOIS  
F.A.I. RTE. 80 SEC. 14BR & 14BR-1  
LOADING HL93  
STRUCTURE NO. 006-0165 (E.B.)

STATION 400+22.07  
BUILT 200 BY  
STATE OF ILLINOIS  
F.A.I. RTE. 80 SEC. 14BR & 14BR-1  
LOADING HL93  
STRUCTURE NO. 006-0166 (W.B.)

NAME PLATE  
See Std. 515001



WATERWAY INFORMATION

Prop. Low Grade Elev. 600.99 @ Sta. 396+47.61  
Exist. Low Grade Elev. 599.57 @ Sta. 396+13.61  
Drainage Area = 38.50 sq. mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	2563	478	547	582.3	0.7	0.3	583.0	582.6
Base	50	3783	542	615	583.0	1.2	0.5	584.2	583.5
Overtopping	100	4282	570	644	583.3	1.4	0.5	584.7	583.8
Max. Calc.	500	5449	617	694	583.8	2.1	0.5	585.9	584.3

DESIGN SCOUR TABLE

Design Scour Elevation	W. Abut.	Pier	E. Abut.
	595.24	560.50	598.84

LOADING HL-93

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

DESIGN SPECIFICATIONS

2004 AASHTO LRFD with 2005 and 2006 Interims

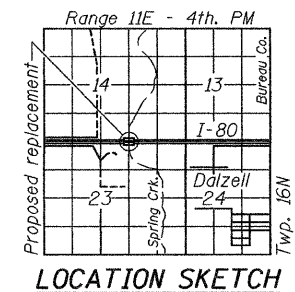
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 50,000$  psi (AASHTO M270 Grade 50W)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1  
Bedrock Acceleration Coefficient (A) = 3.8%g  
Site Coefficient (S) = 1.0



DESIGNED	<i>Alvin R. B...</i>
CHECKED	<i>...</i>
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	<i>...</i>	SEP. 30, 2008
PASSED	<i>...</i>	



EXPIRES 11-30-2008

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
F.A.I. 80	14BR & 14BR-1	BUREAU	219	74	32 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

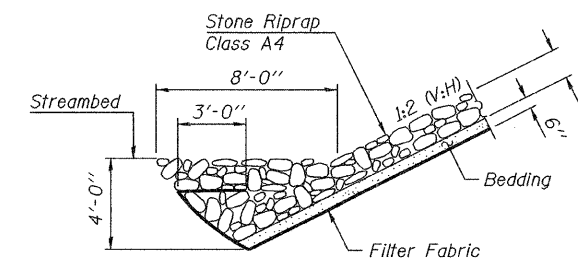
Contract No. 66731

**GENERAL NOTES**

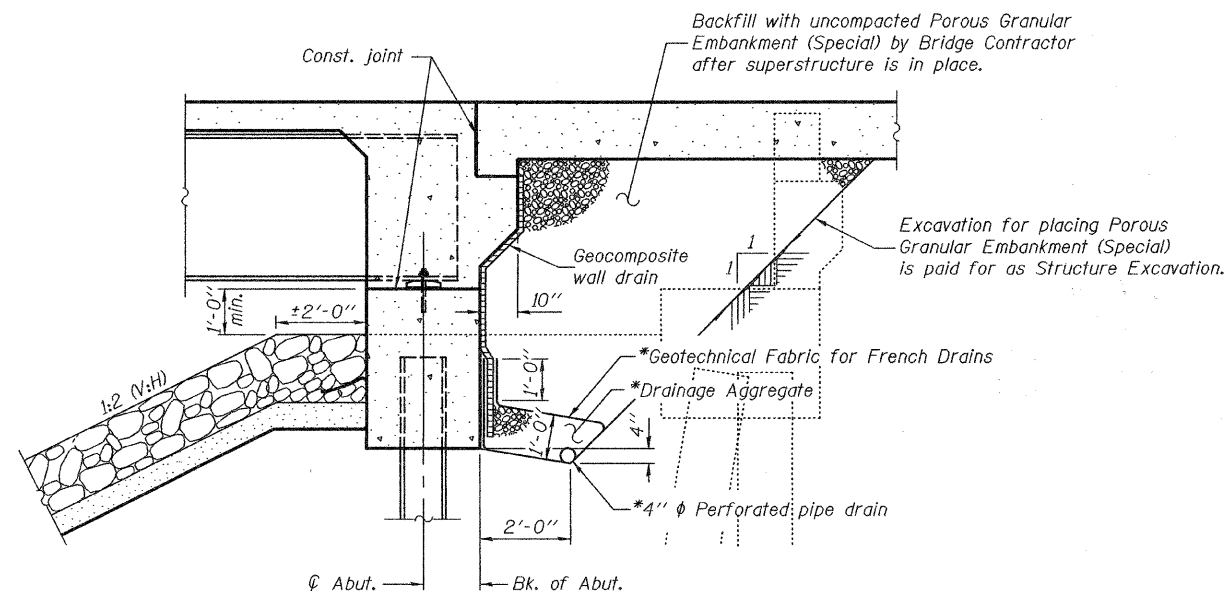
Fasteners shall be AASHTO M164 Type 3. Bolts  $\frac{7}{8}$ "  $\phi$ , holes  $\frac{5}{16}$ "  $\phi$ , unless otherwise noted.  
 Calculated weight of Structural Steel = 491610 pounds.  
 All structural steel shall be AASHTO M 270 Grade 50W.  
 No field welding is permitted except as specified in the contract documents.  
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of  $\frac{1}{8}$  inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.  
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.  
 Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with a Department approved zinc rich primer. No field painting shall be required. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".  
 Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.  
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.  
 The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.  
 In lieu of the hammer selection criteria and use of the FHWA Modified Gates formula specified in Section 512 of the Standard Specifications, the Contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		322	322
Stone Riprap, Class A4	Sq. Yd.		3096	3096
Filter Fabric	Sq. Yd.		3096	3096
Removal of Existing Structures	Each		2	2
Structure Excavation	Cu. Yd.		374	374
Concrete Structures	Cu. Yd.		240.4	240.4
Concrete Superstructure	Cu. Yd.	524.0		524.0
Bridge Deck Grooving	Sq. Yd.	1436		1436
Concrete Encasement	Cu. Yd.		17.2	17.2
Protective Coat	Sq. Yd.	1796		1796
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	6192		6192
Reinforcement Bars, Epoxy Coated	Pound	127580	23700	151280
Bar Splicers	Each	160		160
Furnishing Steel Piles HP12x63	Foot		682	682
Furnishing Steel Piles HP14x102	Foot		1024	1024
Furnishing Steel Piles HP10x57	Foot		682	682
Driving Piles	Foot		2388	2388
Test Pile Steel HP12x63	Each		1	1
Test Pile Steel HP10x57	Each		1	1
Name Plates	Each	2		2
Anchor Bolt 1" $\phi$	Each		48	48
Anchor Bolt $\frac{1}{4}$ " $\phi$	Each		24	24
Geocomposite Wall Drain	Sq. Yd.		174	174
Pipe Underdrains for Structures, 4"	Foot		332	332
Underwater Structure Excavation Protection, Location 1	Each		1	1
Underwater Structure Excavation Protection, Location 2	Each		1	1



**SECTION A-A**



**SECTION THRU INTEGRAL ABUTMENT**

\*Included in the cost of Pipe Underdrains for Structures, 4".

Note: All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

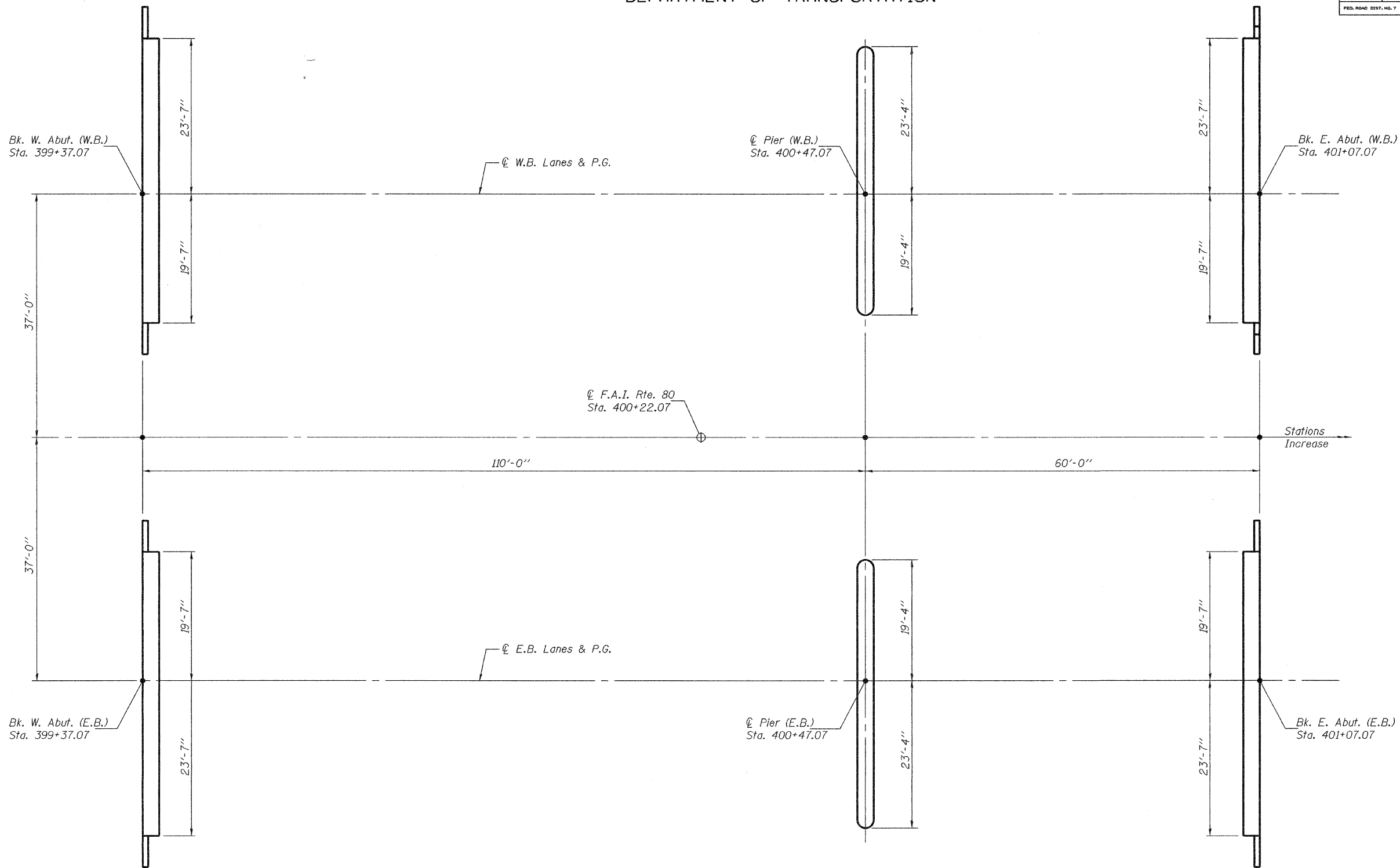
DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

Sep. 30, 2008  
 EXAMINED *Thomas J. Donagabadi*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

**GENERAL DATA**  
 F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
 BUREAU COUNTY  
 STATION 400+22.07  
 STRUCTURE NO. 006-0165 (E.B.)  
 STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	75	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract No. 66731		



FOOTING LAYOUT

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

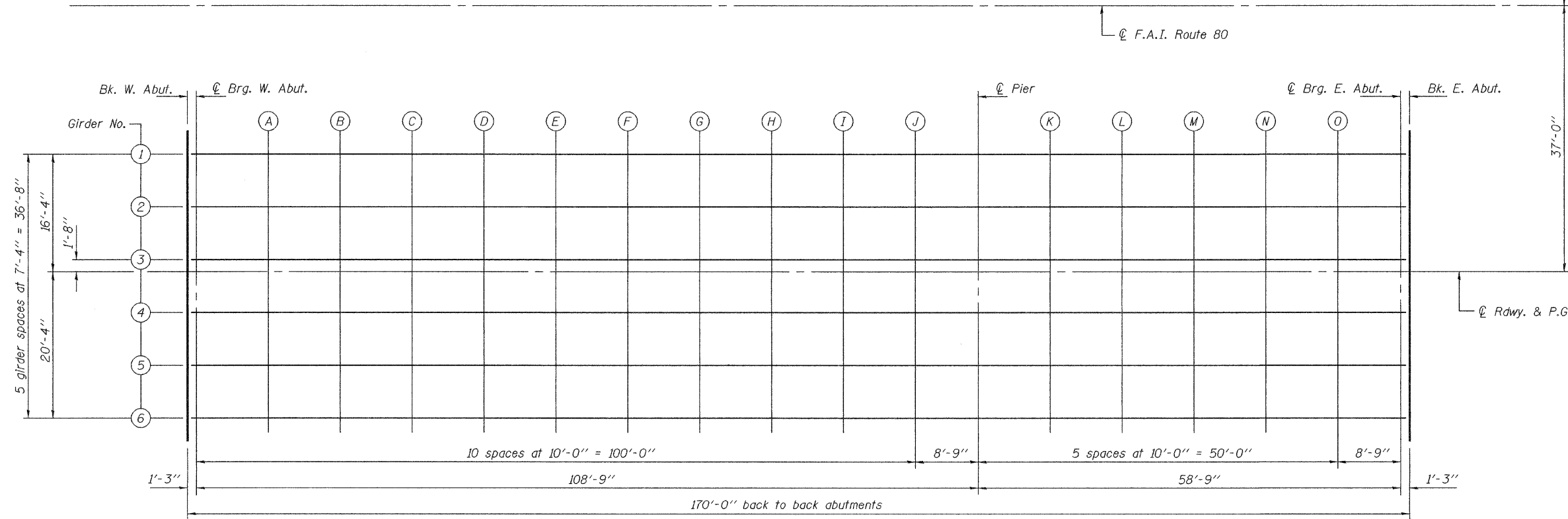
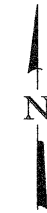
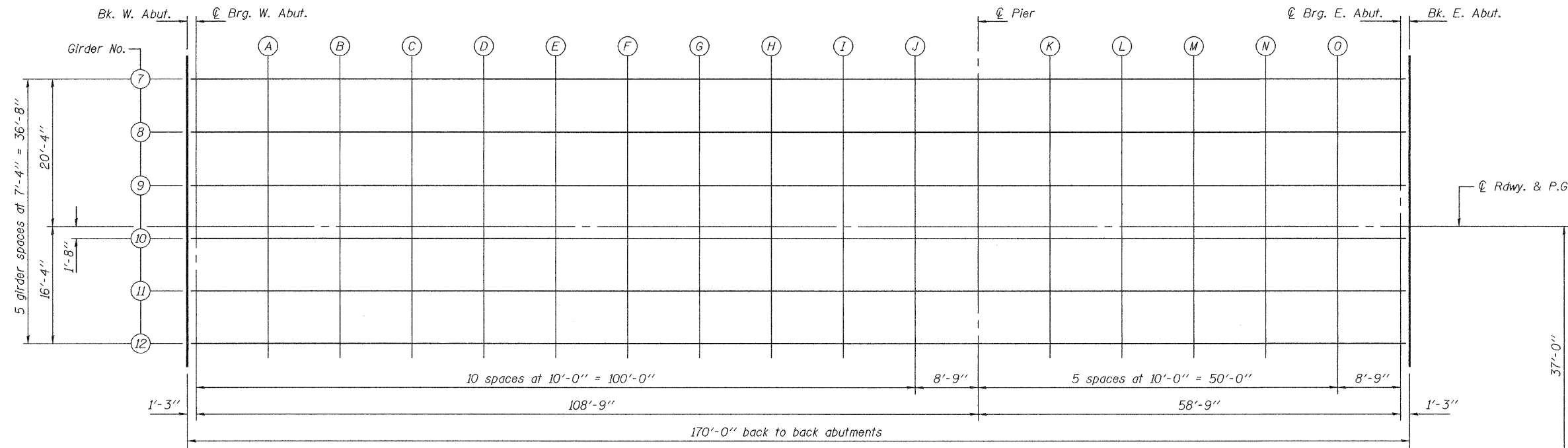
Sep. 30, 2008  
 EXAMINED *Thomas J. Demagala*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

FOOTING LAYOUT  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	76	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract No. 66731

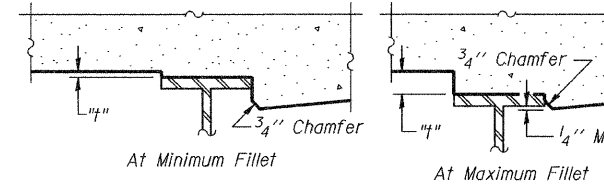


DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Demagallibi ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS**  
**(E.B. & W.B.)**  
**F.A.I. RTE. 80 - SEC. 14BR & 14BR-1**  
**BUREAU COUNTY**  
**STATION 400+22.07**  
**STRUCTURE NO. 006-0165 (E.B.)**  
**STRUCTURE NO. 006-0166 (W.B.)**

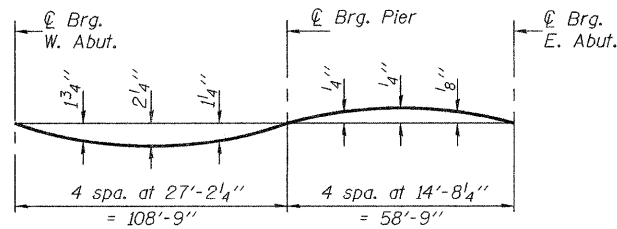
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14BR & 14BR-1	BUREAU	219	77
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5  
32 SHEETS

Contract No. 66731



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

Notes: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below & on sheet 6 of 32.

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 4 of 32. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**GIRDER 1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	-16.33	603.30	603.30
CL Brg. W. Abut.	39938.32	-16.33	603.32	603.32
A	39948.32	-16.33	603.49	603.55
B	39958.32	-16.33	603.67	603.77
C	39968.32	-16.33	603.85	604.00
D	39978.32	-16.33	604.03	604.20
E	39988.32	-16.33	604.23	604.40
F	39998.32	-16.33	604.42	604.59
G	40008.32	-16.33	604.62	604.77
H	40018.32	-16.33	604.83	604.94
I	40028.32	-16.33	605.05	605.12
J	40038.32	-16.33	605.26	605.30
CL Pier	40047.07	-16.33	605.46	605.46
K	40057.07	-16.33	605.69	605.67
L	40067.07	-16.33	605.92	605.90
M	40077.07	-16.33	606.16	606.14
N	40087.07	-16.33	606.39	606.38
O	40097.07	-16.33	606.63	606.62
CL Brg. E. Abut.	40105.82	-16.33	606.84	606.84
Back E. Abut.	40107.07	-16.33	606.87	606.87

**GIRDER 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	-9.00	603.44	603.44
CL Brg. W. Abut.	39938.32	-9.00	603.46	603.46
A	39948.32	-9.00	603.63	603.68
B	39958.32	-9.00	603.80	603.91
C	39968.32	-9.00	603.98	604.13
D	39978.32	-9.00	604.17	604.34
E	39988.32	-9.00	604.36	604.54
F	39998.32	-9.00	604.56	604.73
G	40008.32	-9.00	604.76	604.90
H	40018.32	-9.00	604.97	605.08
I	40028.32	-9.00	605.18	605.26
J	40038.32	-9.00	605.40	605.44
CL Pier	40047.07	-9.00	605.60	605.60
K	40057.07	-9.00	605.83	605.81
L	40067.07	-9.00	606.06	606.04
M	40077.07	-9.00	606.30	606.27
N	40087.07	-9.00	606.53	606.52
O	40097.07	-9.00	606.77	606.76
CL Brg. E. Abut.	40105.82	-9.00	606.97	606.97
Back E. Abut.	40107.07	-9.00	607.00	607.00

**GIRDER 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	-1.67	603.55	603.55
CL Brg. W. Abut.	39938.32	-1.67	603.57	603.57
A	39948.32	-1.67	603.74	603.80
B	39958.32	-1.67	603.92	604.03
C	39968.32	-1.67	604.10	604.25
D	39978.32	-1.67	604.29	604.45
E	39988.32	-1.67	604.48	604.66
F	39998.32	-1.67	604.67	604.84
G	40008.32	-1.67	604.88	605.02
H	40018.32	-1.67	605.08	605.20
I	40028.32	-1.67	605.30	605.37
J	40038.32	-1.67	605.52	605.55
CL Pier	40047.07	-1.67	605.71	605.71
K	40057.07	-1.67	605.94	605.92
L	40067.07	-1.67	606.17	606.15
M	40077.07	-1.67	606.41	606.39
N	40087.07	-1.67	606.65	606.63
O	40097.07	-1.67	606.88	606.87
CL Brg. E. Abut.	40105.82	-1.67	607.09	607.09
Back E. Abut.	40107.07	-1.67	607.12	607.12

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

Sep. 30, 2008  
EXAMINED *Thomas J. Demas*  
PASSED *Ralph E. Carlson*  
ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS (E.B.)**  
**F.A.I. RTE. 80 - SEC. 14BR & 14BR-1**  
**BUREAU COUNTY**  
**STATION 400+22.07**  
**STRUCTURE NO. 006-0165 (E.B.)**  
**STRUCTURE NO. 006-0166 (W.B.)**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	78	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 66731

ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	0.00	603.58	603.58
CL Brg. W. Abut.	39938.32	0.00	603.60	603.60
A	39948.32	0.00	603.77	603.82
B	39958.32	0.00	603.94	604.05
C	39968.32	0.00	604.13	604.28
D	39978.32	0.00	604.31	604.48
E	39988.32	0.00	604.50	604.68
F	39998.32	0.00	604.70	604.87
G	40008.32	0.00	604.90	605.04
H	40018.32	0.00	605.11	605.22
I	40028.32	0.00	605.32	605.40
J	40038.32	0.00	605.54	605.58
CL Pier	40047.07	0.00	605.74	605.74
K	40057.07	0.00	605.97	605.95
L	40067.07	0.00	606.20	606.18
M	40077.07	0.00	606.44	606.41
N	40087.07	0.00	606.67	606.66
O	40097.07	0.00	606.91	606.90
CL Brg. E. Abut.	40105.82	0.00	607.11	607.11
Back E. Abut.	40107.07	0.00	607.14	607.14

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	5.67	603.49	603.49
CL Brg. W. Abut.	39938.32	5.67	603.51	603.51
A	39948.32	5.67	603.68	603.73
B	39958.32	5.67	603.86	603.96
C	39968.32	5.67	604.04	604.19
D	39978.32	5.67	604.22	604.39
E	39988.32	5.67	604.41	604.59
F	39998.32	5.67	604.61	604.78
G	40008.32	5.67	604.81	604.95
H	40018.32	5.67	605.02	605.13
I	40028.32	5.67	605.23	605.31
J	40038.32	5.67	605.45	605.49
CL Pier	40047.07	5.67	605.65	605.65
K	40057.07	5.67	605.88	605.86
L	40067.07	5.67	606.11	606.09
M	40077.07	5.67	606.35	606.32
N	40087.07	5.67	606.58	606.57
O	40097.07	5.67	606.82	606.81
CL Brg. E. Abut.	40105.82	5.67	607.03	607.03
Back E. Abut.	40107.07	5.67	607.05	607.05

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	13.00	603.37	603.37
CL Brg. W. Abut.	39938.32	13.00	603.39	603.39
A	39948.32	13.00	603.56	603.61
B	39958.32	13.00	603.74	603.84
C	39968.32	13.00	603.92	604.07
D	39978.32	13.00	604.10	604.27
E	39988.32	13.00	604.29	604.47
F	39998.32	13.00	604.49	604.66
G	40008.32	13.00	604.69	604.83
H	40018.32	13.00	604.90	605.01
I	40028.32	13.00	605.11	605.19
J	40038.32	13.00	605.33	605.37
CL Pier	40047.07	13.00	605.53	605.53
K	40057.07	13.00	605.76	605.74
L	40067.07	13.00	605.99	605.97
M	40077.07	13.00	606.23	606.21
N	40087.07	13.00	606.46	606.45
O	40097.07	13.00	606.70	606.69
CL Brg. E. Abut.	40105.82	13.00	606.91	606.91
Back E. Abut.	40107.07	13.00	606.93	606.93

GIRDER 6

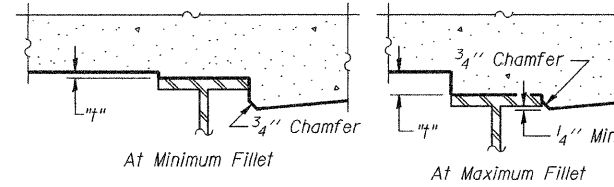
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	20.33	603.22	603.22
CL Brg. W. Abut.	39938.32	20.33	603.24	603.24
A	39948.32	20.33	603.41	603.46
B	39958.32	20.33	603.58	603.69
C	39968.32	20.33	603.76	603.91
D	39978.32	20.33	603.95	604.12
E	39988.32	20.33	604.14	604.32
F	39998.32	20.33	604.34	604.51
G	40008.32	20.33	604.54	604.68
H	40018.32	20.33	604.75	604.86
I	40028.32	20.33	604.96	605.04
J	40038.32	20.33	605.18	605.22
CL Pier	40047.07	20.33	605.38	605.38
K	40057.07	20.33	605.61	605.59
L	40067.07	20.33	605.84	605.82
M	40077.07	20.33	606.08	606.05
N	40087.07	20.33	606.31	606.30
O	40097.07	20.33	606.55	606.54
CL Brg. E. Abut.	40105.82	20.33	606.75	606.75
Back E. Abut.	40107.07	20.33	606.78	606.78

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

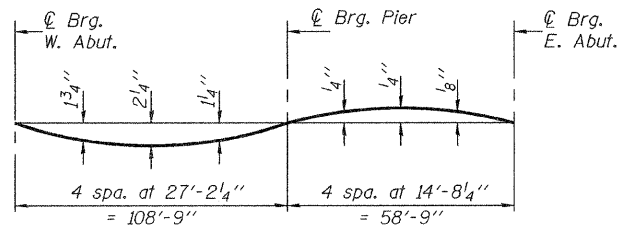
Sep. 30, 2008  
EXAMINED *Thomas J. Demagale*  
PASSED *Ralph E. Carlson*  
ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS (E.B.)  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	77	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT - Contract No. 66731		



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

Notes: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below & on sheet 8 of 32.

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 4 of 32. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

**FILLET HEIGHTS**

**GIRDER 7**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	-20.33	603.22	603.22
Brg. W. Abut.	39938.32	-20.33	603.24	603.24
A	39948.32	-20.33	603.41	603.46
B	39958.32	-20.33	603.58	603.69
C	39968.32	-20.33	603.76	603.91
D	39978.32	-20.33	603.95	604.12
E	39988.32	-20.33	604.14	604.32
F	39998.32	-20.33	604.34	604.51
G	40008.32	-20.33	604.54	604.68
H	40018.32	-20.33	604.75	604.86
I	40028.32	-20.33	604.96	605.04
J	40038.32	-20.33	605.18	605.22
CL Pier	40047.07	-20.33	605.38	605.38
K	40057.07	-20.33	605.61	605.59
L	40067.07	-20.33	605.84	605.82
M	40077.07	-20.33	606.08	606.05
N	40087.07	-20.33	606.31	606.30
O	40097.07	-20.33	606.55	606.54
Brg. E. Abut.	40105.82	-20.33	606.75	606.75
Back E. Abut.	40107.07	-20.33	606.78	606.78

**GIRDER 8**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	-13.00	603.37	603.37
Brg. W. Abut.	39938.32	-13.00	603.39	603.39
A	39948.32	-13.00	603.56	603.61
B	39958.32	-13.00	603.74	603.84
C	39968.32	-13.00	603.92	604.07
D	39978.32	-13.00	604.10	604.27
E	39988.32	-13.00	604.29	604.47
F	39998.32	-13.00	604.49	604.66
G	40008.32	-13.00	604.69	604.83
H	40018.32	-13.00	604.90	605.01
I	40028.32	-13.00	605.11	605.19
J	40038.32	-13.00	605.33	605.37
CL Pier	40047.07	-13.00	605.53	605.53
K	40057.07	-13.00	605.76	605.74
L	40067.07	-13.00	605.99	605.97
M	40077.07	-13.00	606.23	606.21
N	40087.07	-13.00	606.46	606.45
O	40097.07	-13.00	606.70	606.69
Brg. E. Abut.	40105.82	-13.00	606.91	606.91
Back E. Abut.	40107.07	-13.00	606.93	606.93

**GIRDER 9**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	-5.67	603.49	603.49
Brg. W. Abut.	39938.32	-5.67	603.51	603.51
A	39948.32	-5.67	603.68	603.73
B	39958.32	-5.67	603.86	603.96
C	39968.32	-5.67	604.04	604.19
D	39978.32	-5.67	604.22	604.39
E	39988.32	-5.67	604.41	604.59
F	39998.32	-5.67	604.61	604.78
G	40008.32	-5.67	604.81	604.95
H	40018.32	-5.67	605.02	605.13
I	40028.32	-5.67	605.23	605.31
J	40038.32	-5.67	605.45	605.49
CL Pier	40047.07	-5.67	605.65	605.65
K	40057.07	-5.67	605.88	605.86
L	40067.07	-5.67	606.11	606.09
M	40077.07	-5.67	606.35	606.32
N	40087.07	-5.67	606.58	606.57
O	40097.07	-5.67	606.82	606.81
Brg. E. Abut.	40105.82	-5.67	607.03	607.03
Back E. Abut.	40107.07	-5.67	607.05	607.05

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Demagalibi ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS (W.B.)**  
**F.A.I. RTE. 80 - SEC. 14BR & 14BR-1**  
**BUREAU COUNTY**  
**STATION 400+22.07**  
**STRUCTURE NO. 006-0165 (E.B.)**  
**STRUCTURE NO. 006-0166 (W.B.)**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	80	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731

ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	0.00	603.58	603.58
Brg. W. Abut.	39938.32	0.00	603.60	603.60
A	39948.32	0.00	603.77	603.82
B	39958.32	0.00	603.94	604.05
C	39968.32	0.00	604.13	604.28
D	39978.32	0.00	604.31	604.48
E	39988.32	0.00	604.50	604.68
F	39998.32	0.00	604.70	604.87
G	40008.32	0.00	604.90	605.04
H	40018.32	0.00	605.11	605.22
I	40028.32	0.00	605.32	605.40
J	40038.32	0.00	605.54	605.58
CL Pier	40047.07	0.00	605.74	605.74
K	40057.07	0.00	605.97	605.95
L	40067.07	0.00	606.20	606.18
M	40077.07	0.00	606.44	606.41
N	40087.07	0.00	606.67	606.66
O	40097.07	0.00	606.91	606.90
Brg. E. Abut.	40105.82	0.00	607.11	607.11
Back E. Abut.	40107.07	0.00	607.14	607.14

GIRDER 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	1.67	603.55	603.55
Brg. W. Abut.	39938.32	1.67	603.57	603.57
A	39948.32	1.67	603.74	603.80
B	39958.32	1.67	603.92	604.03
C	39968.32	1.67	604.10	604.25
D	39978.32	1.67	604.29	604.45
E	39988.32	1.67	604.48	604.66
F	39998.32	1.67	604.67	604.84
G	40008.32	1.67	604.88	605.02
H	40018.32	1.67	605.08	605.20
I	40028.32	1.67	605.30	605.37
J	40038.32	1.67	605.52	605.55
CL Pier	40047.07	1.67	605.71	605.71
K	40057.07	1.67	605.94	605.92
L	40067.07	1.67	606.17	606.15
M	40077.07	1.67	606.41	606.39
N	40087.07	1.67	606.65	606.63
O	40097.07	1.67	606.88	606.87
Brg. E. Abut.	40105.82	1.67	607.09	607.09
Back E. Abut.	40107.07	1.67	607.12	607.12

GIRDER 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	9.00	603.44	603.44
Brg. W. Abut.	39938.32	9.00	603.46	603.46
A	39948.32	9.00	603.63	603.68
B	39958.32	9.00	603.80	603.91
C	39968.32	9.00	603.98	604.13
D	39978.32	9.00	604.17	604.34
E	39988.32	9.00	604.36	604.54
F	39998.32	9.00	604.56	604.73
G	40008.32	9.00	604.76	604.90
H	40018.32	9.00	604.97	605.08
I	40028.32	9.00	605.18	605.26
J	40038.32	9.00	605.40	605.44
CL Pier	40047.07	9.00	605.60	605.60
K	40057.07	9.00	605.83	605.81
L	40067.07	9.00	606.06	606.04
M	40077.07	9.00	606.30	606.27
N	40087.07	9.00	606.53	606.52
O	40097.07	9.00	606.77	606.76
Brg. E. Abut.	40105.82	9.00	606.97	606.97
Back E. Abut.	40107.07	9.00	607.00	607.00

GIRDER 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abut.	39937.07	16.33	603.30	603.30
Brg. W. Abut.	39938.32	16.33	603.32	603.32
A	39948.32	16.33	603.49	603.55
B	39958.32	16.33	603.67	603.77
C	39968.32	16.33	603.85	604.00
D	39978.32	16.33	604.03	604.20
E	39988.32	16.33	604.23	604.40
F	39998.32	16.33	604.42	604.59
G	40008.32	16.33	604.62	604.77
H	40018.32	16.33	604.83	604.94
I	40028.32	16.33	605.05	605.12
J	40038.32	16.33	605.26	605.30
CL Pier	40047.07	16.33	605.46	605.46
K	40057.07	16.33	605.69	605.67
L	40067.07	16.33	605.92	605.90
M	40077.07	16.33	606.16	606.14
N	40087.07	16.33	606.39	606.38
O	40097.07	16.33	606.63	606.62
Brg. E. Abut.	40105.82	16.33	606.84	606.84
Back E. Abut.	40107.07	16.33	606.87	606.87

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

Sep. 30, 2008  
 EXAMINED *Thomas J. Romagallo*  
 ENGINEER OF BRIDGE DESIGN  
 PASSED *Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF SLAB ELEVATIONS (W.B.)**  
**F.A.I. RTE. 80 - SEC. 14BR & 14BR-1**  
**BUREAU COUNTY**  
**STATION 400+22.07**  
**STRUCTURE NO. 006-0165 (E.B.)**  
**STRUCTURE NO. 006-0166 (W.B.)**



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	81	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract No. 66731

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr.	39907.07	-18.00	602.79
A	39917.07	-18.00	602.94
B	39927.07	-18.00	603.10
Back of W. Abut.	39937.07	-18.00	603.27

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr.	39907.07	-12.00	602.92
A	39917.07	-12.00	603.07
B	39927.07	-12.00	603.23
Back of W. Abut.	39937.07	-12.00	603.39

☉ ROADWAY & PROFILE GRADE

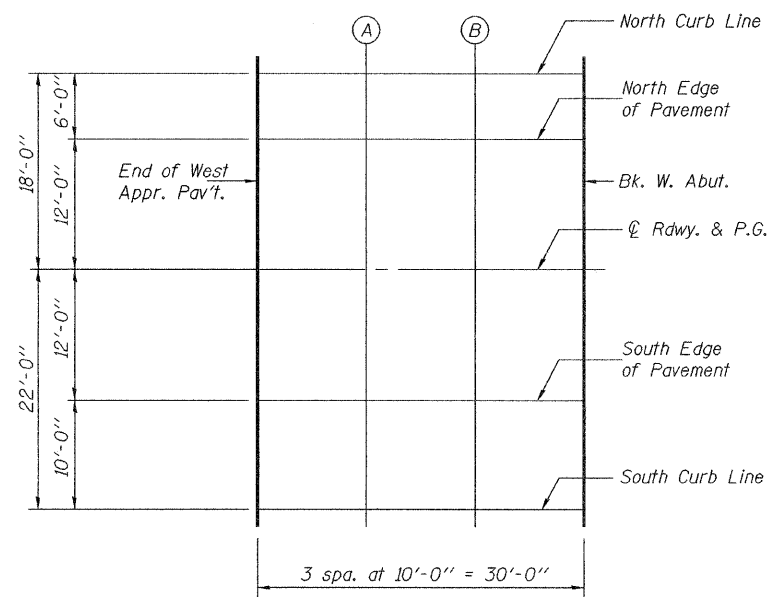
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr.	39907.07	0.00	603.10
A	39917.07	0.00	603.26
B	39927.07	0.00	603.41
Back of W. Abut.	39937.07	0.00	603.58

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr.	39907.07	12.00	602.92
A	39917.07	12.00	603.07
B	39927.07	12.00	603.23
Back of W. Abut.	39937.07	12.00	603.39

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr.	39907.07	22.00	602.71
A	39917.07	22.00	602.86
B	39927.07	22.00	603.02
Back of W. Abut.	39937.07	22.00	603.18



**PLAN**

West Approach (E.B.)



DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Romagallo ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF WEST APPROACH  
PAVEMENT ELEVATIONS (E.B.)  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 10 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	82	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract No. 66731

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	-18.00	606.83
A	40117.07	-18.00	607.07
B	40127.07	-18.00	607.30
E. End E. Appr.	40137.07	-18.00	607.54

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	-12.00	606.96
A	40117.07	-12.00	607.19
B	40127.07	-12.00	607.43
E. End E. Appr.	40137.07	-12.00	607.66

☉ ROADWAY & PROFILE GRADE

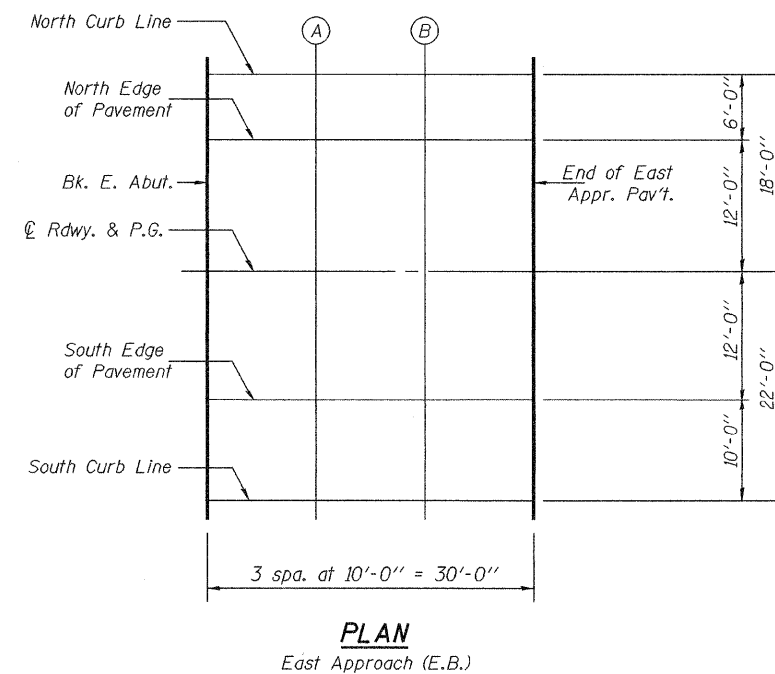
Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	0.00	607.14
A	40117.07	0.00	607.38
B	40127.07	0.00	607.61
E. End E. Appr.	40137.07	0.00	607.85

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	12.00	606.96
A	40117.07	12.00	607.19
B	40127.07	12.00	607.43
E. End E. Appr.	40137.07	12.00	607.66

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	22.00	606.75
A	40117.07	22.00	606.98
B	40127.07	22.00	607.22
E. End E. Appr.	40137.07	22.00	607.45



DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Romagnoli ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

**TOP OF EAST APPROACH  
PAVEMENT ELEVATIONS (E.B.)  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	83	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	39907.07	-22.00	602.71
A	39917.07	-22.00	602.86
B	39927.07	-22.00	603.02
Back of W. Abut.	39937.07	-22.00	603.18

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	39907.07	-12.00	602.92
A	39917.07	-12.00	603.07
B	39927.07	-12.00	603.23
Back of W. Abut.	39937.07	-12.00	603.39

☉ ROADWAY & PROFILE GRADE

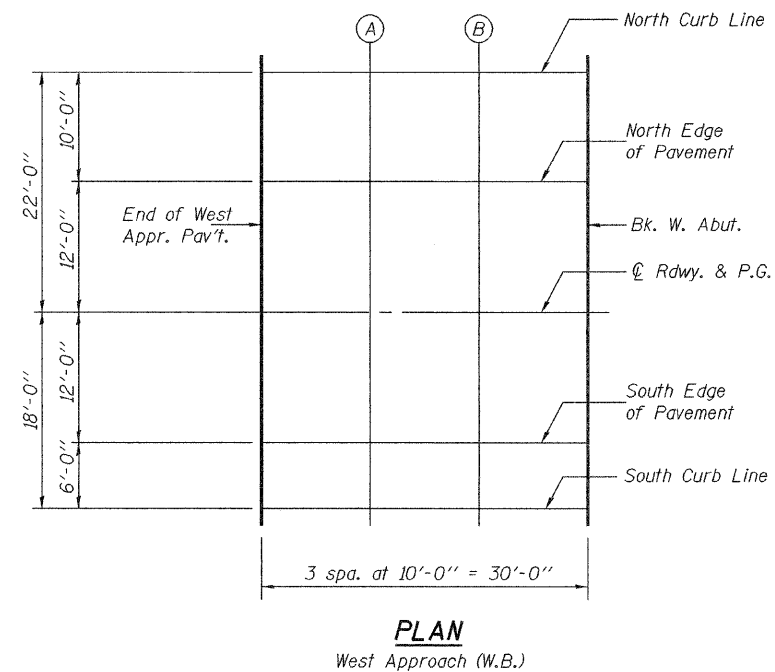
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	39907.07	0.00	603.10
A	39917.07	0.00	603.26
B	39927.07	0.00	603.41
Back of W. Abut.	39937.07	0.00	603.58

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	39907.07	12.00	602.92
A	39917.07	12.00	603.07
B	39927.07	12.00	603.23
Back of W. Abut.	39937.07	12.00	603.39

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr.	39907.07	18.00	602.79
A	39917.07	18.00	602.94
B	39927.07	18.00	603.10
Back of W. Abut.	39937.07	18.00	603.27



DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Romagallo ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

TOP OF WEST APPROACH  
PAVEMENT ELEVATIONS (W.B.)  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	84	
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-			

Contract No. 66731

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	-22.00	606.75
A	40117.07	-22.00	606.98
B	40127.07	-22.00	607.22
E. End of E. Appr.	40137.07	-22.00	607.45

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	-12.00	606.96
A	40117.07	-12.00	607.19
B	40127.07	-12.00	607.43
E. End of E. Appr.	40137.07	-12.00	607.66

☉ ROADWAY & PROFILE GRADE

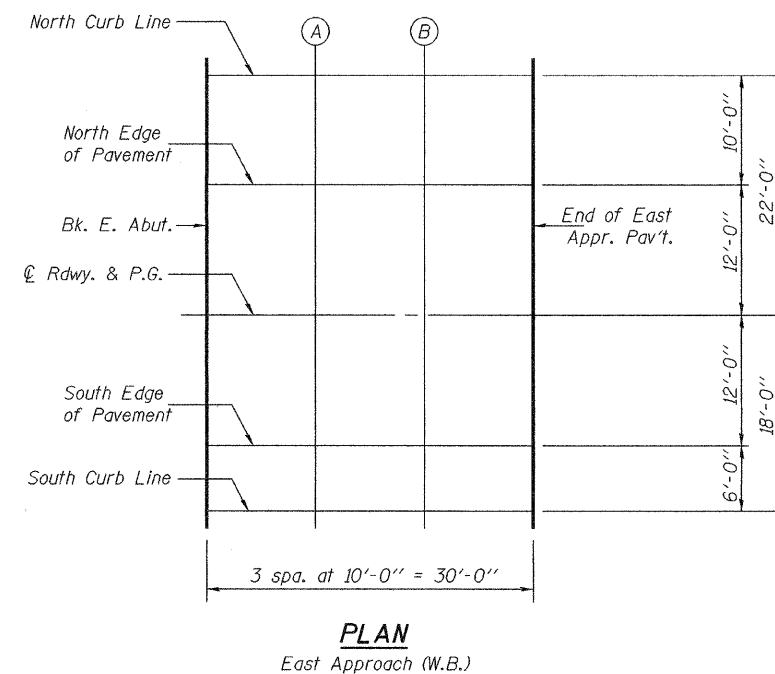
Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	0.00	607.14
A	40117.07	0.00	607.38
B	40127.07	0.00	607.61
E. End of E. Appr.	40137.07	0.00	607.85

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	12.00	606.96
A	40117.07	12.00	607.19
B	40127.07	12.00	607.43
E. End of E. Appr.	40137.07	12.00	607.66

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back of E. Abut.	40107.07	18.00	606.83
A	40117.07	18.00	607.07
B	40127.07	18.00	607.30
E. End of E. Appr.	40137.07	18.00	607.54



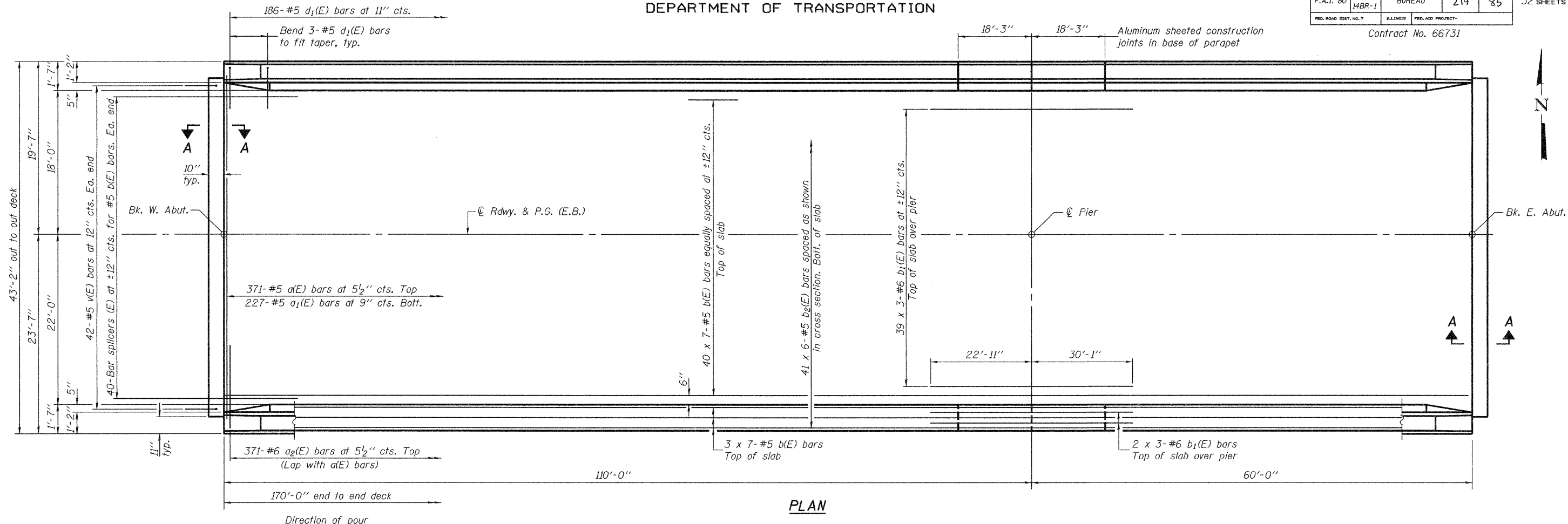
DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Donagallo ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

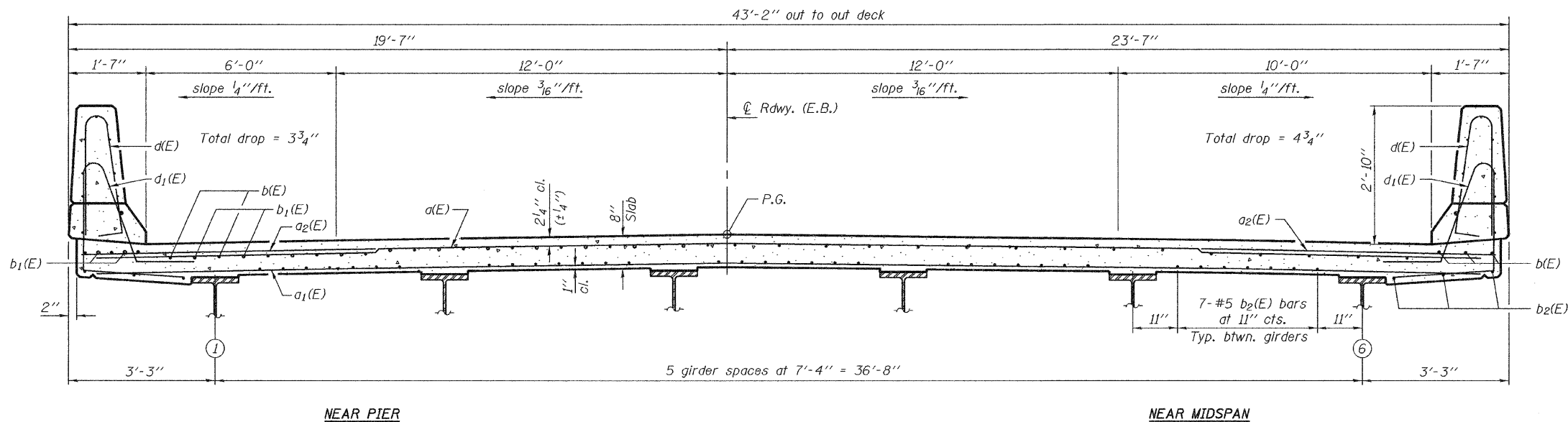
TOP OF EAST APPROACH  
PAVEMENT ELEVATIONS (W.B.)  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	85	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract No. 66731		



Notes: See sheet 15 of 32 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 15 of 32 for parapet reinforcement.  
See sheet 16 of 32 for Section A-A.  
See sheet 26 of 32 for bar splicer details.  
The Contractor shall be required to pour the deck starting at the west abutment. See plan view for direction of pour. Pouring the deck from east to west is not allowed.



DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED *Thomas J. Romagallo*  
PASSED *Ralph V. Carlson*  
ENGINEER OF BRIDGES AND STRUCTURES

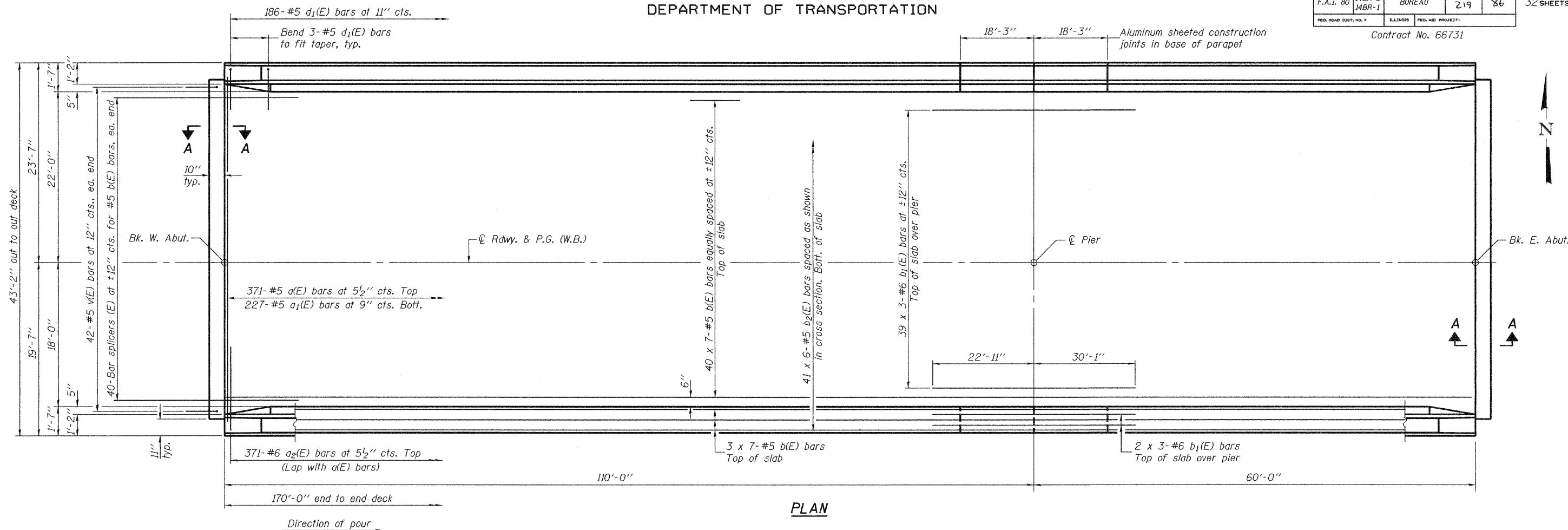
**CROSS SECTION**  
(Looking East)

**MIN. BAR LAPS**  
#5 bar = 2'-2"  
#6 bar = 2'-7"

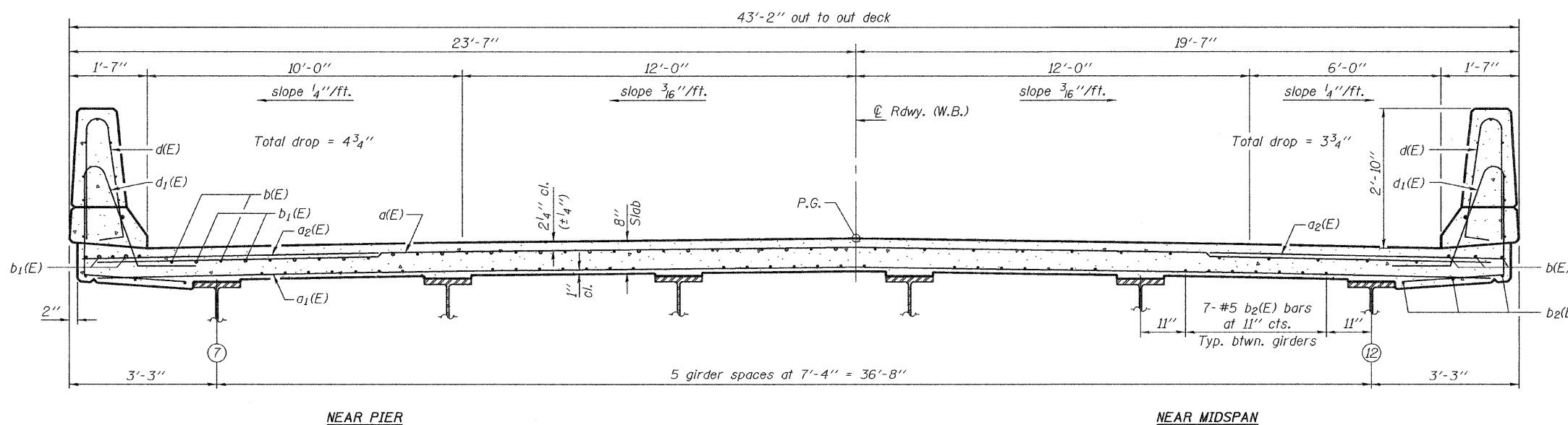
**SUPERSTRUCTURE (E.B.)**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	86	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT - Contract No. 66731		



Notes: See sheet 15 of 32 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 15 of 32 for parapet reinforcement.  
See sheet 16 of 32 for Section A-A.  
See sheet 26 of 32 for bar splicer details.  
The Contractor shall be required to pour the deck starting at the west abutment. See plan view for direction of pour. Pouring the deck from east to west is not allowed.



DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

Sep. 30, 2008  
EXAMINED *Thomas J. Donagall*  
ENGINEER OF BRIDGE DESIGN  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

CROSS SECTION  
(Looking East)

MIN. BAR LAPS

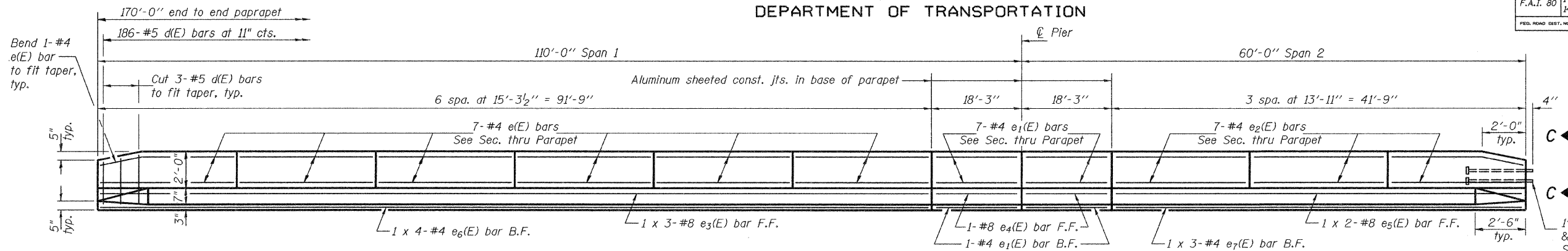
#5 bar = 2'-2"  
#6 bar = 2'-7"

SUPERSTRUCTURE (W.B.)  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	87	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

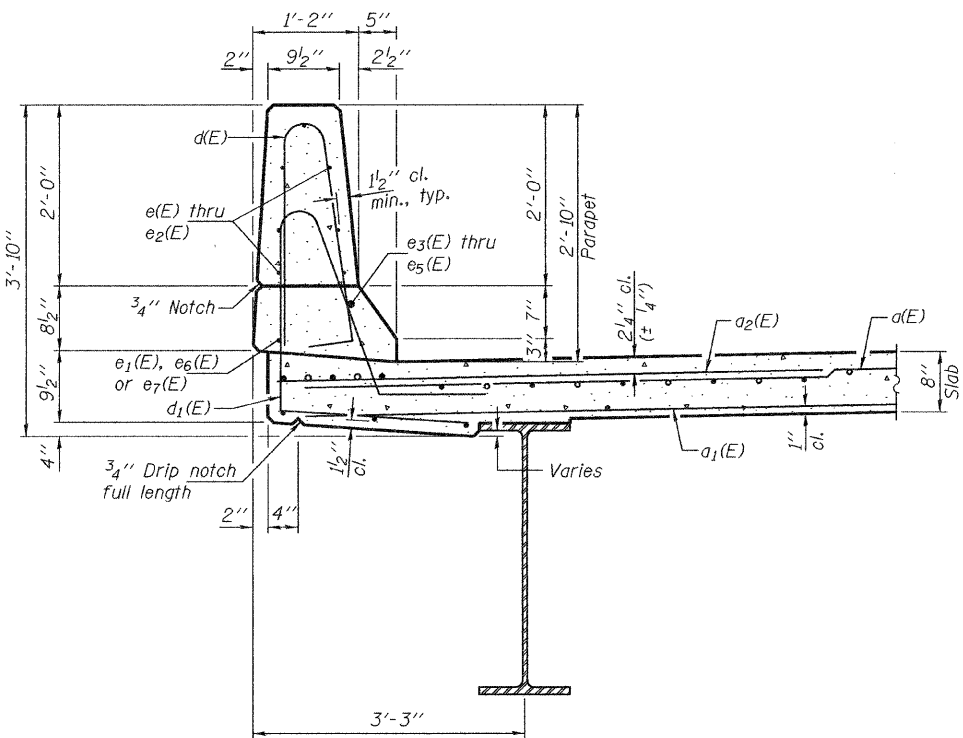
Contract No. 66731



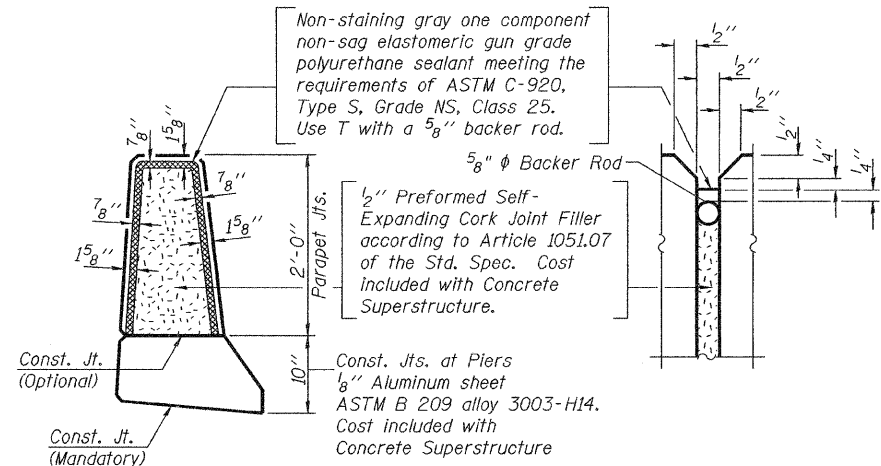
**MIN. BAR LAPS**  
(Parapet)  
#4 bar = 1'-4"  
#8 bar = 3'-5"

1"  $\phi$  Anchor bolts at W. Abut. (W.B.) & E. Abut. (E.B.) only. See Highway Standard 631026. Cost included with Concrete Superstructure.

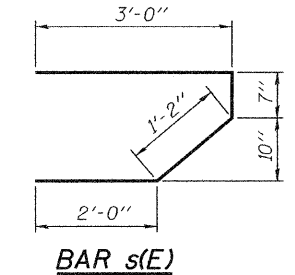
**INSIDE ELEVATION OF NORTH PARAPET (E.B.)**  
(Looking North - South parapet similar)



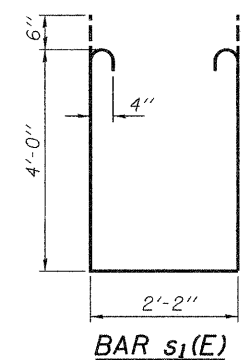
**SECTION THRU PARAPET**



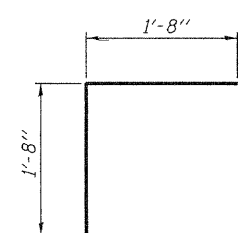
**PARAPET JOINT DETAILS**



**BAR s(E)**



**BAR s1(E)**

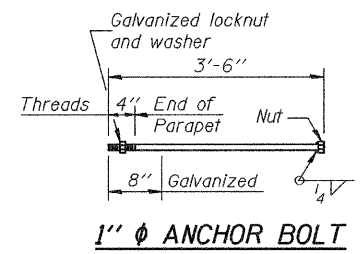


**BAR v(E)**

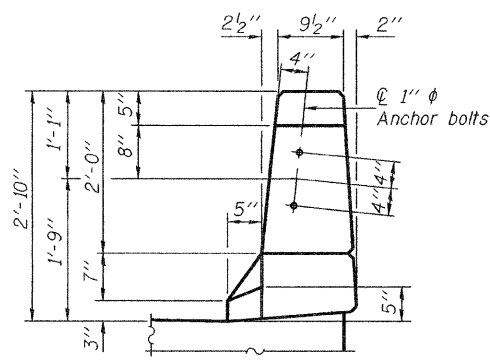
**TWO SUPERSTRUCTURES**  
(E.B. & W.B.)  
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d(E)	742	#5	42'-6"	—
a1(E)	454	#5	40'-10"	—
a2(E)	1484	#6	6'-0"	—
b(E)	644	#5	26'-2"	—
b1(E)	258	#6	19'-5"	—
b2(E)	492	#5	30'-1"	—
d(E)	744	#5	5'-7"	┘
d1(E)	744	#5	7'-11"	┘
e(E)	168	#4	15'-0"	—
e1(E)	64	#4	18'-0"	—
e2(E)	84	#4	13'-8"	—
e3(E)	12	#8	32'-10"	—
e4(E)	8	#8	18'-0"	—
e5(E)	8	#8	22'-6"	—
e6(E)	16	#4	23'-11"	—
e7(E)	16	#4	14'-9"	—
m(E)	16	#6	22'-0"	—
m1(E)	24	#6	22'-9"	—
m2(E)	48	#6	9'-11"	—
m3(E)	20	#6	7'-0"	—
m4(E)	8	#6	3'-0"	—
s(E)	184	#5	6'-9"	┘
s1(E)	164	#4	11'-2"	┘
v(E)	168	#5	3'-4"	┘
Reinforcement Bars, Epoxy Coated			Pound	127580
Concrete Superstructure			Cu. Yds.	524.0

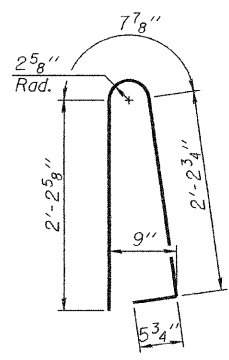
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



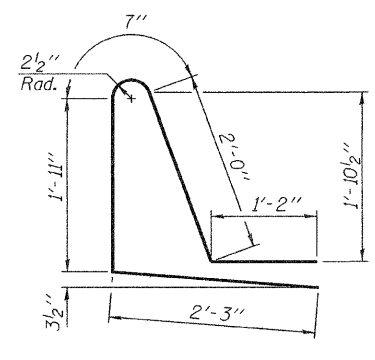
**1"  $\phi$  ANCHOR BOLT**



**VIEW C-C**



**BAR d(E)**



**BAR d1(E)**

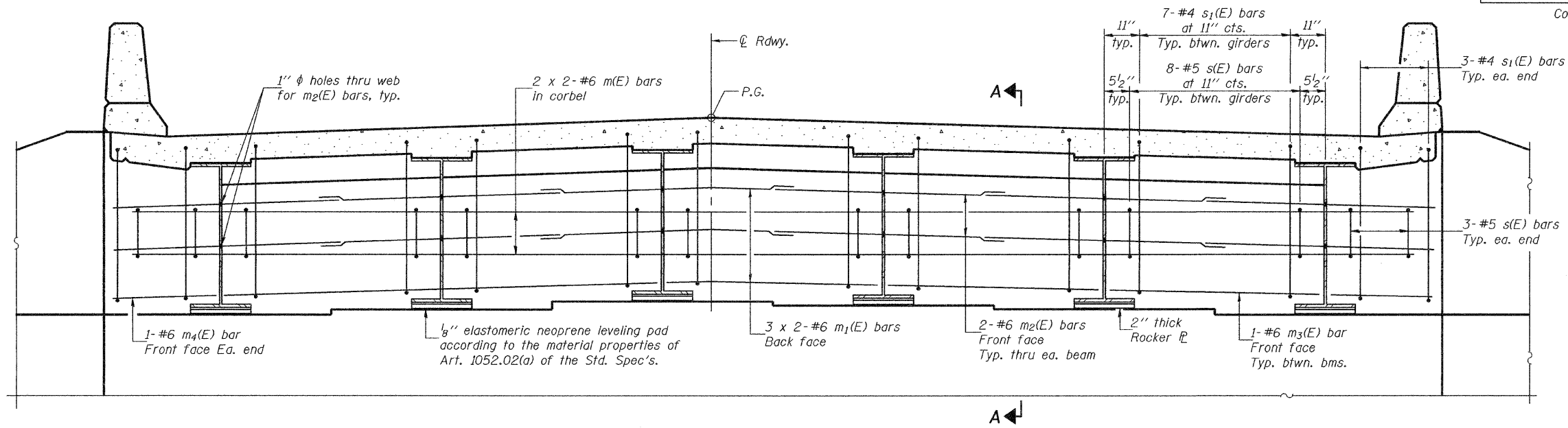
DESIGNED	Nicholas R. Barnett	EXAMINED	Thomas J. Romagallo
CHECKED	Ray Ahanchi	PASSED	Ralph E. Anderson
DRAWN	h.t. duong	ENGINEER OF BRIDGES AND STRUCTURES	
CHECKED	NRB/GRA	Sep. 30, 2008	

**SUPERSTRUCTURE DETAILS**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

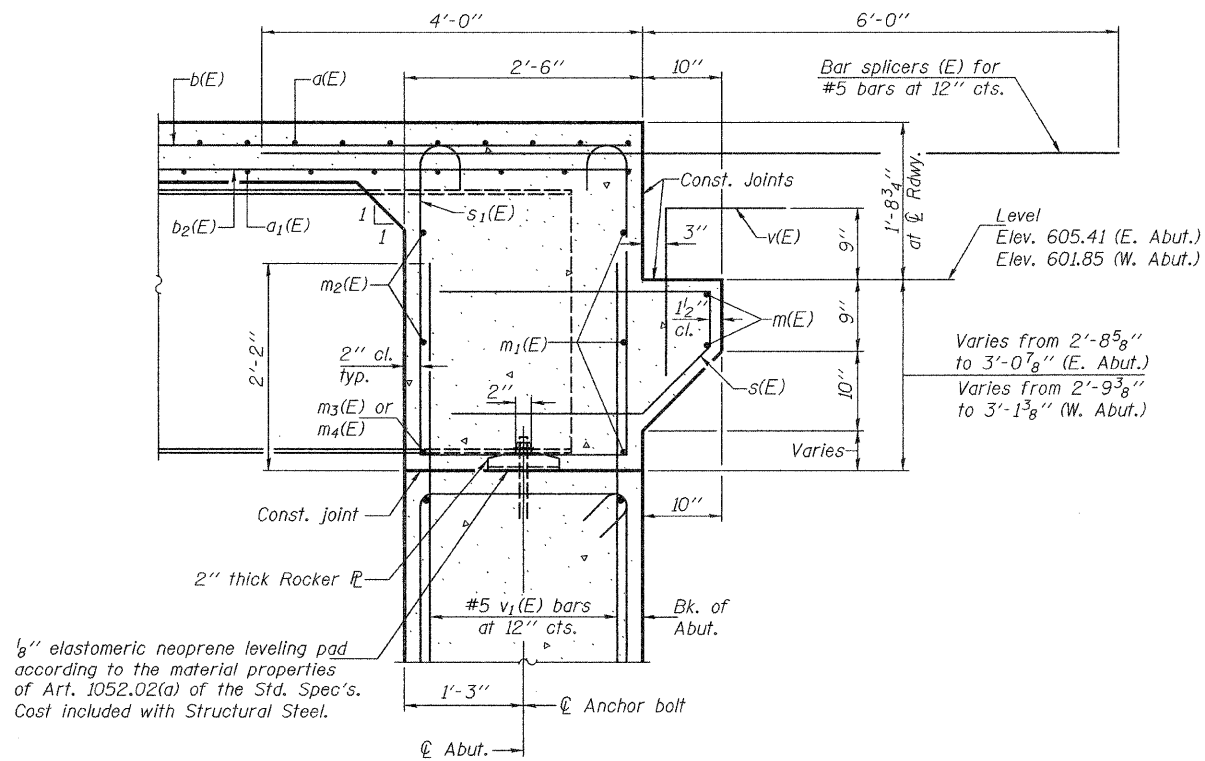
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	88	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract No. 66731



**DIAPHRAGM ELEVATION AT EAST ABUTMENT (E.B.)**  
(Looking East - Other abutments similar)

Notes: Reinforcement bars in diaphragm are billed with superstructure on sheet 15 of 32.  
Concrete in diaphragm is included with Concrete Superstructure on sheet 15 of 32.  
For details of bars s(E) & s1(E) see sheet 15 of 32.  
Bars indicated 2 x 2-#6 etc. indicates 2 lines of bars with 2 lengths per line.  
For bar splicer details see sheet 26 of 32.



**MIN. BAR LAP**  
#6 bar = 2'-7"

**SECTION A-A**

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Romagallo ENGINEER OF BRIDGE DESIGN
PASSED	Ronald E. Carlson ENGINEER OF BRIDGES AND STRUCTURES

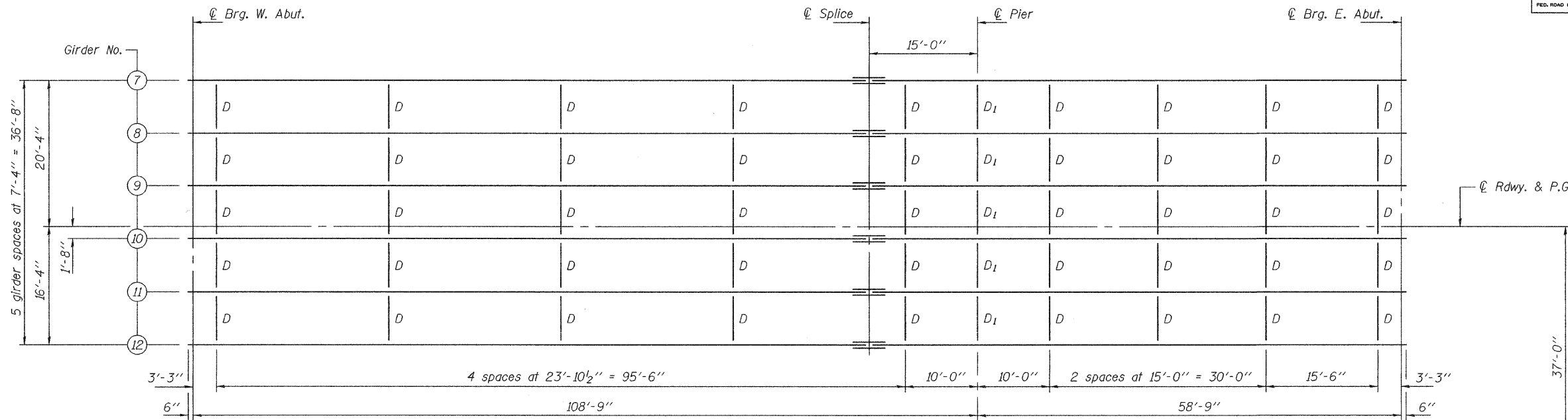
**DIAPHRAGM DETAILS**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)



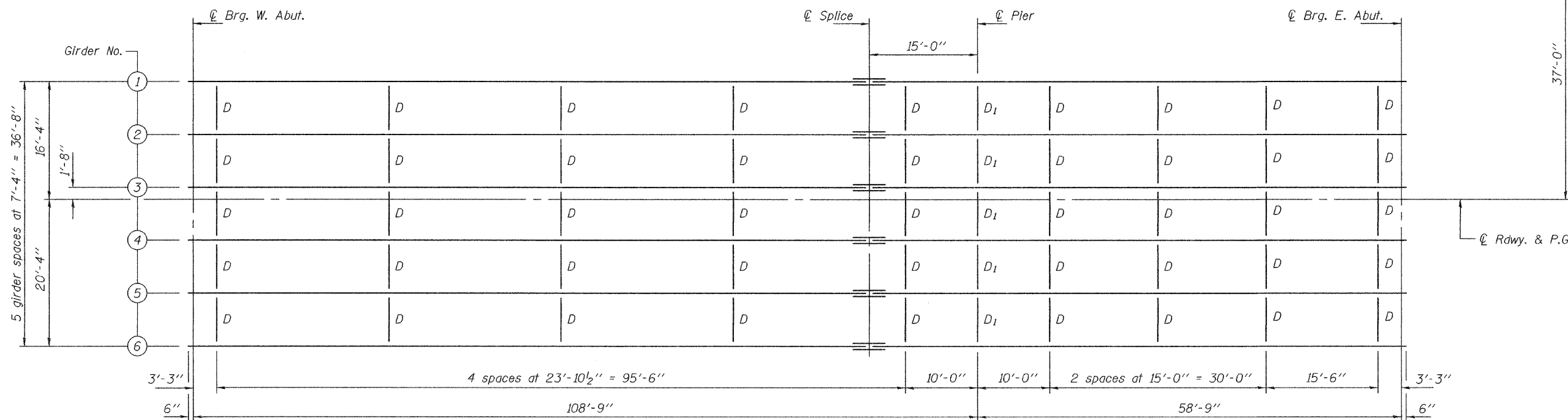
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 17 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	89	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731



PLAN (W.B.)



PLAN (E.B.)

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

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Domagalaki ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

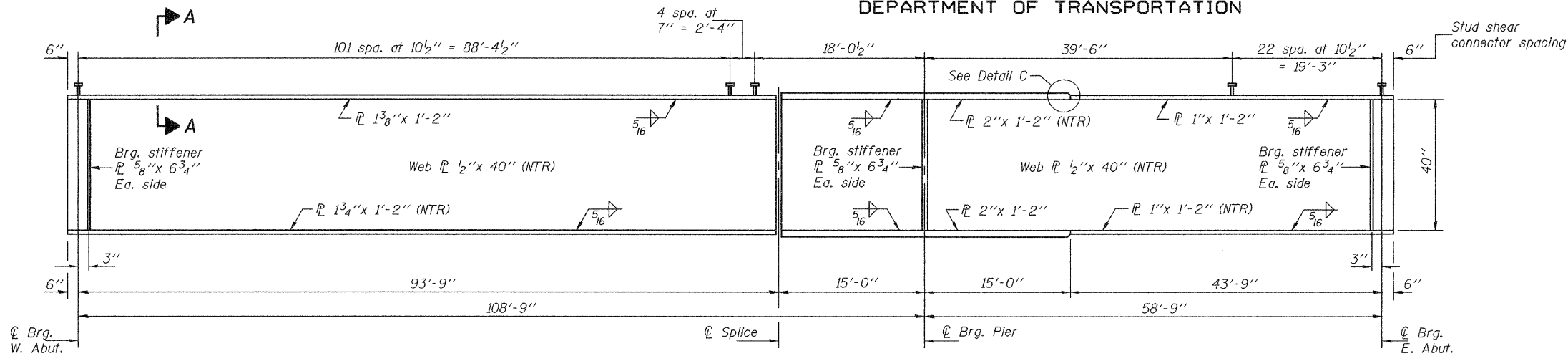
**STRUCTURAL STEEL**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

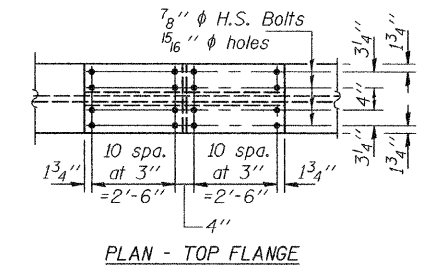
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F.A.I. 80	14BR & 14BR-1	BUREAU	219	90	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract No. 66731

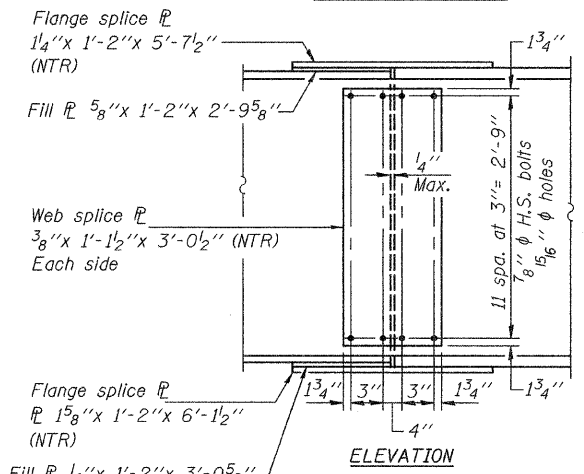


**GIRDER ELEVATION**

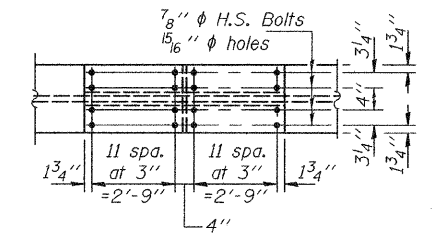
All structural steel shall be AASHTO M270 Grade 50W.



PLAN - TOP FLANGE

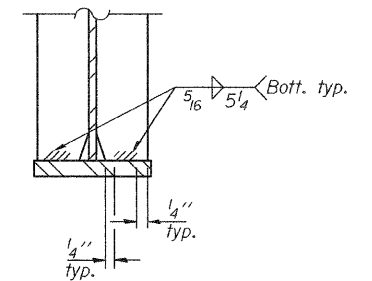


ELEVATION

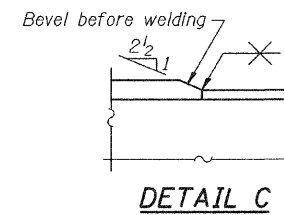


PLAN - BOTTOM FLANGE

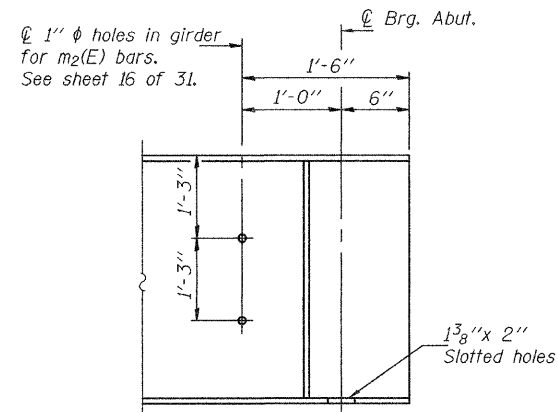
**SPLICE DETAIL**



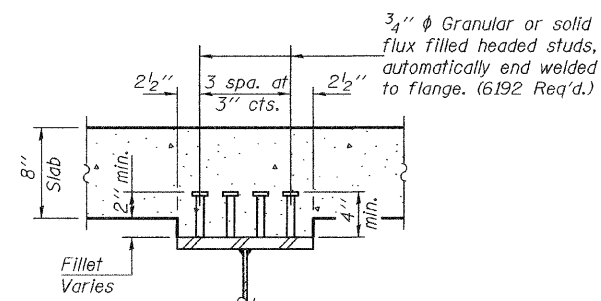
DETAIL A



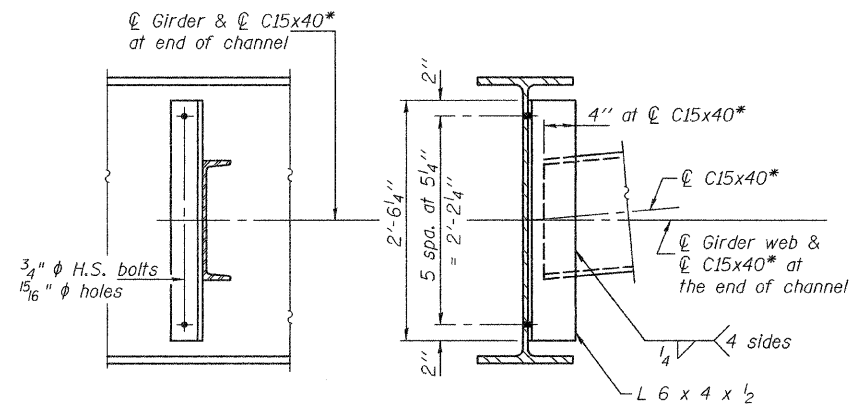
DETAIL C



END OF GIRDER ELEVATION

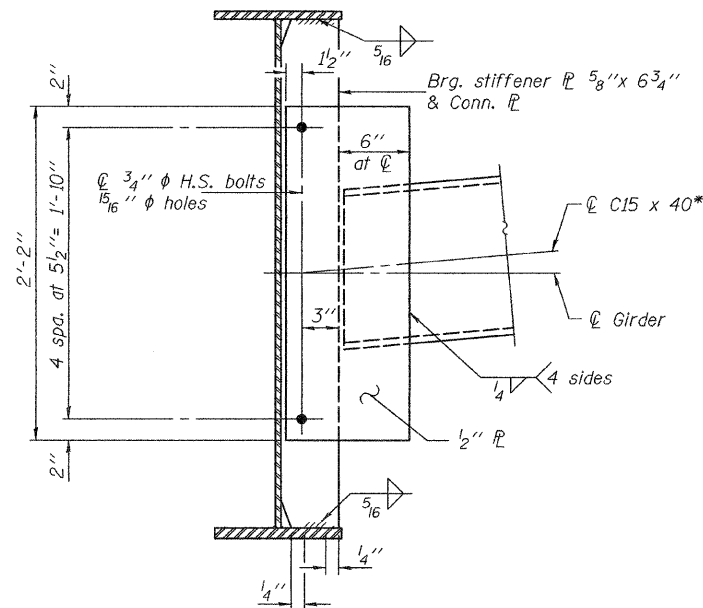


SECTION A-A



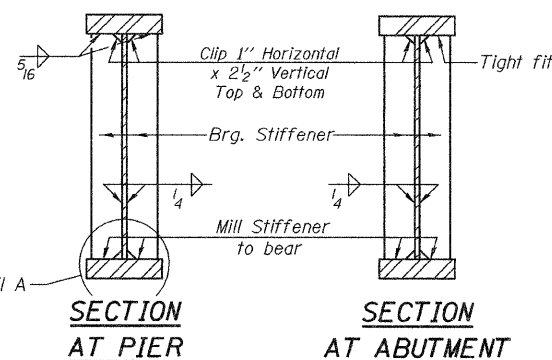
**DIAPHRAGM D**

(90 Required)



**DIAPHRAGM D1**

(10 Required)



SECTION AT PIER

SECTION AT ABUTMENT

Notes: Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2. Two hardened washers shall be required for all oversized holes in diaphragms. Omit connecting plates on exterior side of exterior girder. \*Alternate channel C15x50 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on lighter section. The alternate, if utilized, shall be provided at no cost to the department.

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Donagallo ENGINEER OF BRIDGE DESIGN
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

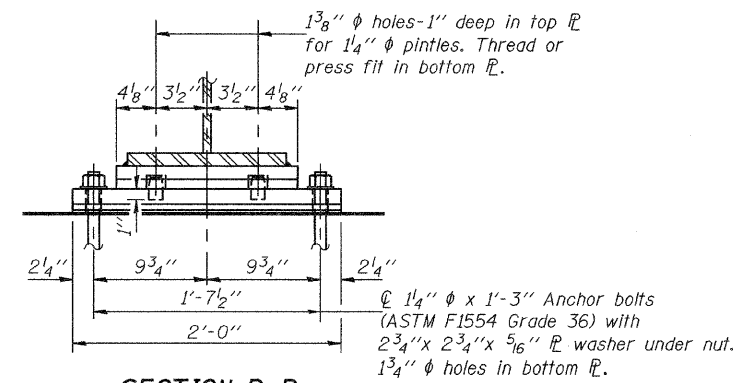
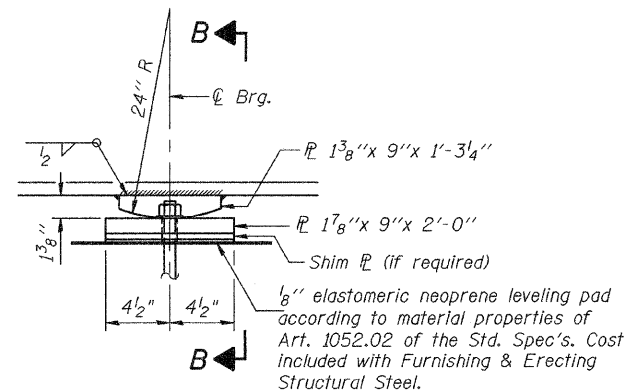
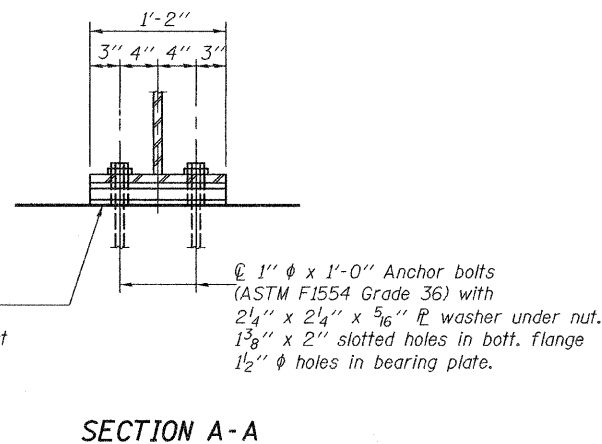
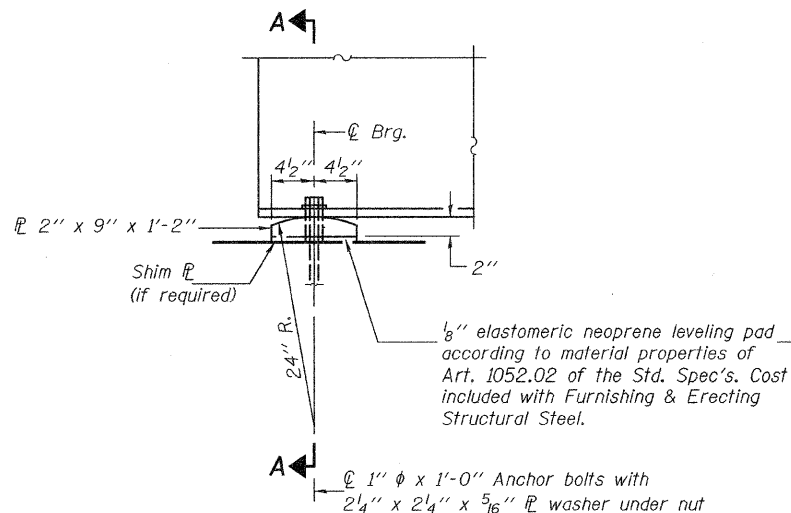
STRUCTURAL STEEL DETAILS  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	14BR & 14BR-1	BUREAU	219	91
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 66731

SHEET NO. 19  
32 SHEETS



ELEVATION AT ABUTMENTS

ABUTMENT BEARING  
(24 Required)

INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1	Pier	*0.6 Sp. 2
I <sub>s</sub>	(in <sup>4</sup> )	21390	27381	14436
I <sub>c</sub> (n)	(in <sup>4</sup> )	49149		
I <sub>c</sub> (3n)	(in <sup>4</sup> )	35934		
S <sub>s</sub>	(in <sup>3</sup> )	1071	1245	687
S <sub>c</sub> (n)	(in <sup>3</sup> )	1390		
S <sub>c</sub> (3n)	(in <sup>3</sup> )	1280		
DC1	(k/ft)	1.004	1.054	0.940
M <sub>DC1</sub>	(k)	961.0	1165.2	-71.6
DC2	(k/ft)	0.150	0.150	0.150
M <sub>DC2</sub>	(k)	160.2	131.6	9.5
DW	(k/ft)	0.367	0.367	0.367
M <sub>DW</sub>	(k)	392.0	322.0	23.2
M <sub>Σ</sub> + Imp	(k)	1504.8	1070.3	655.9
M <sub>u</sub> (Strength I)	(k)	4622.9	3977.0	1130.0
φ <sub>r</sub> M <sub>n</sub>	(k)	6652.8		
f <sub>s</sub> DC1	(ksi)	10.8	11.2	-1.3
f <sub>s</sub> DC2	(ksi)	1.5	1.3	0.2
f <sub>s</sub> DW	(ksi)	3.7	3.1	0.4
f <sub>s</sub> 1.3(Σ+I)	(ksi)	16.9	13.4	14.9
f <sub>s</sub> (Service II)	(ksi)	32.9	29.0	14.2
f <sub>s</sub> (Total)(Strength I)	(ksi)	43.7	38.3	**19.7
V <sub>r</sub>	(k)	28.4		

- I<sub>s</sub>, S<sub>s</sub>: Non-composite moment of inertia and section modulus of the steel section used for computing f<sub>s</sub> (Total-Strength I, and Service II) due to non-composite dead loads (in<sup>4</sup> and in<sup>3</sup>).
- I<sub>c</sub>(n), S<sub>c</sub>(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f<sub>s</sub> (Total-Strength I, and Service II) due to short-term composite live loads (in<sup>4</sup> and in<sup>3</sup>).
- I<sub>c</sub>(3n), S<sub>c</sub>(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<sub>s</sub> (Total-Strength I, and Service II) due to long-term composite (superimposed) dead loads (in<sup>4</sup> and in<sup>3</sup>).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M<sub>DC1</sub>: 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<sub>DC2</sub>: 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<sub>DW</sub>: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- M<sub>Σ</sub> + Imp: Un-factored live load moment plus dynamic load allowance (Impact) (kip-ft.).
- M<sub>u</sub> (Strength I): Factored design moment (kip-ft.).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>Σ</sub> + Imp
- φ<sub>r</sub>M<sub>n</sub>: Compact composite positive moment capacity computed according to Article 6.10.7.1 (kip-ft.).
- f<sub>s</sub> (Service II): Sum of stresses as computed from the moments below (ksi).  
M<sub>DC1</sub> + M<sub>DC2</sub> + M<sub>DW</sub> + 1.3 M<sub>Σ</sub> + Imp
- f<sub>s</sub> (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>Σ</sub> + Imp
- \*\*f<sub>s</sub> (Total)(Strength I): Sum of stresses as computed from the moments below on non-compact section (ksi).  
0.9 M<sub>DC1</sub> + 1.25 M<sub>DC2</sub> + 1.5 M<sub>DW</sub> + 1.75 M<sub>Σ</sub> + Imp
- V<sub>r</sub>: Factored shear range computed according to Article 6.10.10.

INTERIOR GIRDER REACTION TABLE HL93 Loading				
		W. Abut.	Pier	E. Abut.
R <sub>DC1</sub>	(k)	43.9	114.9	8.0
R <sub>DC2</sub>	(k)	6.9	16.0	2.2
R <sub>DW</sub>	(k)	17.0	39.2	5.3
R <sub>Σ</sub> + Imp	(k)	89.8	145.1	70.9
R <sub>Total</sub>	(k)	157.6	315.2	86.4

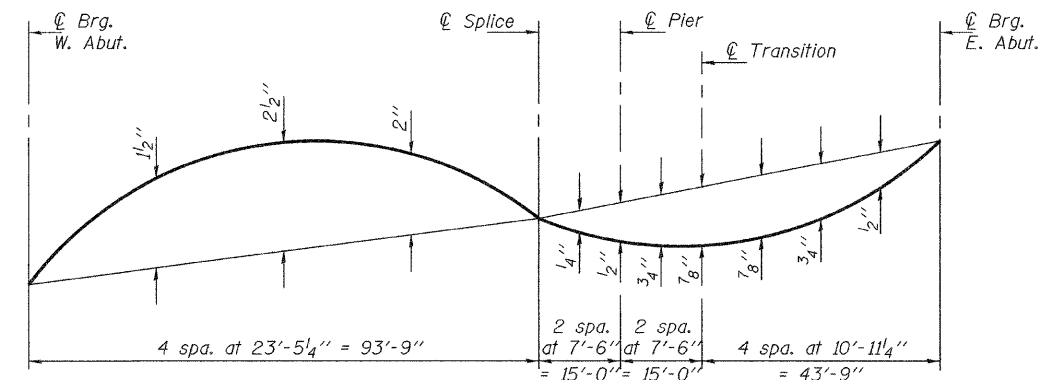
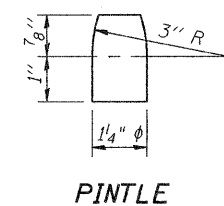
DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED *Thomas J. Domagalak*  
ENGINEER OF BRIDGE DESIGN  
PASSED *Robert E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

\*Span 2 was designed non-composite. Stud shear connectors shown on sheet 18 of 32 were only added to resist fatigue.

ELEVATION AT PIER

FIXED BEARING  
(12 Required)



\*TOP OF GIRDER WEB ELEVATIONS (E.B.)

Location	℄ Brg. W. Abut.	℄ Splice	℄ Brg. Pier	℄ Brg. E. Abut.
Girder 1	602.48	604.19	604.52	606.03
Girder 2	602.62	604.33	604.66	606.17
Girder 3	602.73	604.44	604.77	606.28
Girder 4	602.67	604.38	604.71	606.22
Girder 5	602.55	604.26	604.59	606.10
Girder 6	602.40	604.11	604.44	605.95

\*For fabrication use only.

\*TOP OF GIRDER WEB ELEVATIONS (W.B.)

Location	℄ Brg. W. Abut.	℄ Splice	℄ Brg. Pier	℄ Brg. E. Abut.
Girder 7	602.40	604.11	604.44	605.95
Girder 8	602.55	604.26	604.59	606.10
Girder 9	602.67	604.38	604.71	606.22
Girder 10	602.73	604.44	604.77	606.28
Girder 11	602.62	604.33	604.66	606.17
Girder 12	602.48	604.19	604.52	606.03

\*For fabrication use only.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (F<sub>y</sub>=36ksi). 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.

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

All bearing plates and pintles shall be AASHTO M270 Grade 50W.

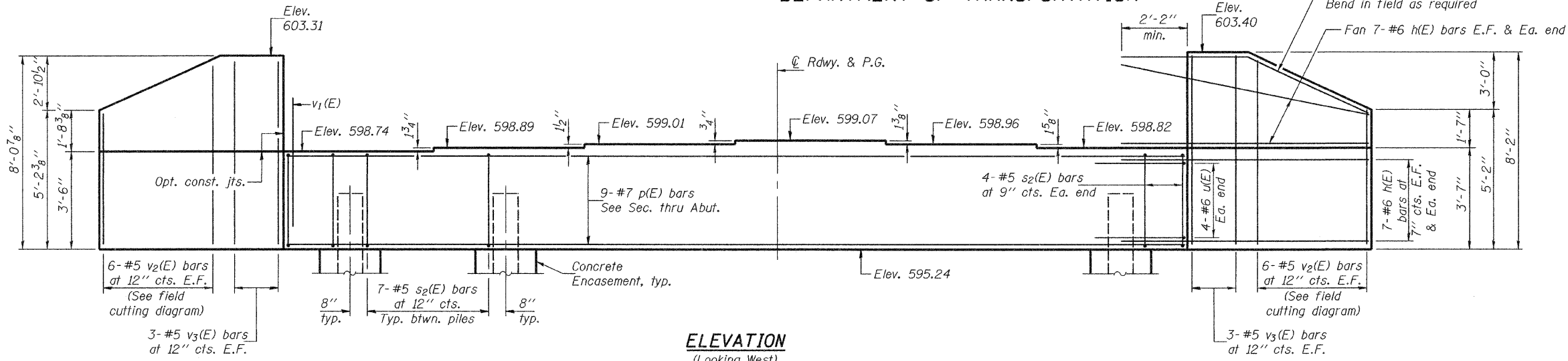
Two 1/2 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BEARING DETAILS  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

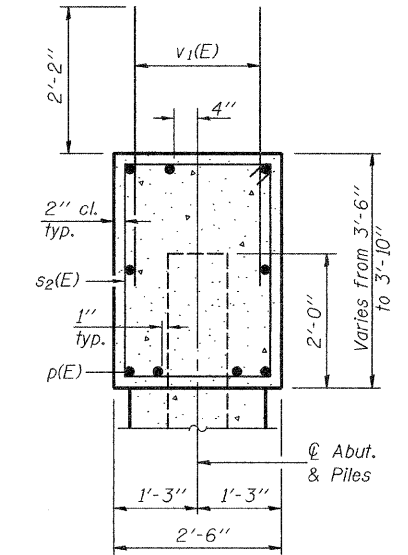
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 20 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	92	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract No. 66731



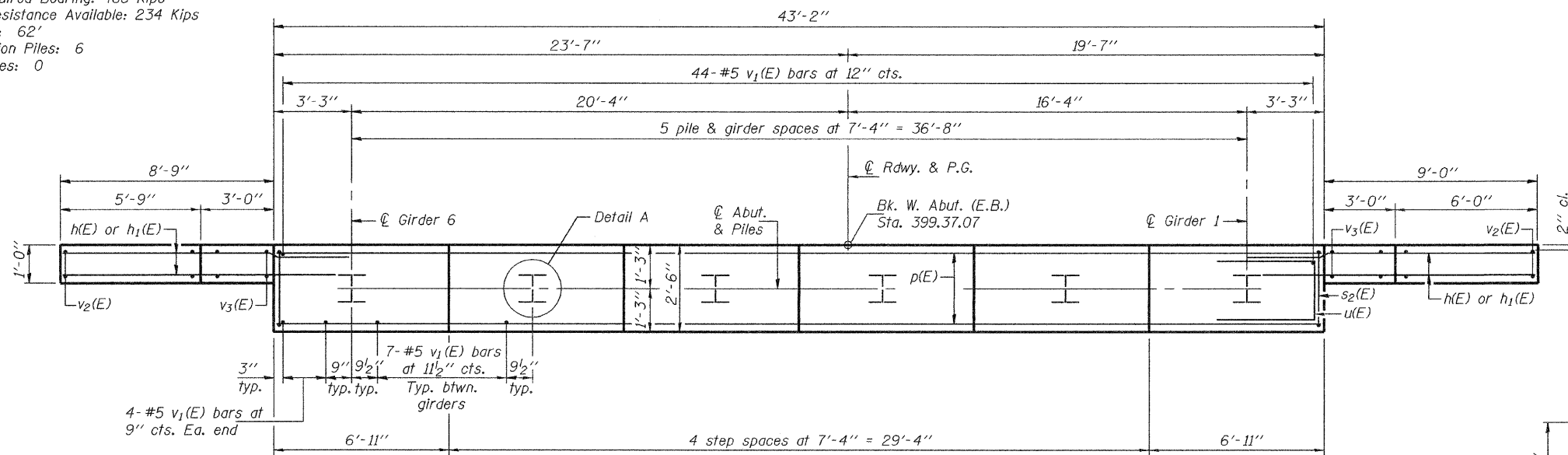
**ELEVATION**  
(Looking West)



**SEC. THRU ABUT.**

**PILE DATA**

Type: Steel HP12x63  
Nominal Required Bearing: 468 Kips  
Factored Resistance Available: 234 Kips  
Est. Length: 62'  
No. Production Piles: 6  
No. Test Piles: 0



**PLAN**

**BILL OF MATERIAL**

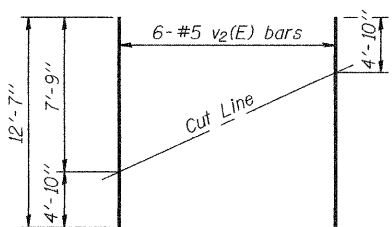
Bar	No.	Size	Length	Shape
h(E)	56	#6	11'-0"	—
h <sub>1</sub> (E)	4	#5	12'-3"	—
p(E)	9	#7	42'-10"	—
s <sub>2</sub> (E)	43	#5	11'-7"	□
u(E)	8	#6	8'-1"	□
v <sub>1</sub> (E)	87	#5	4'-4"	—
v <sub>2</sub> (E)	12	#5	12'-7"	—
v <sub>3</sub> (E)	12	#5	7'-9"	—
Structure Excavation		Cu. Yd.	88	
Concrete Structures		Cu. Yd.	19.4	
Reinforcement Bars, Epoxy Coated		Pound	3030	
Furnishing Steel Piles HP12x63		Foot	372	
Driving Piles		Foot	372	
Concrete Encasement		Cu. Yd.	2.1	
Anchor Bolts, 1" φ		Each	12	

Notes: Pour steps monolithically with cap.  
For details of piles and concrete encasement, see sheet 27 of 32.  
If h(E) bars interfere with steel H-piles, cut h(E) bars to fit and maintain min. 2'-2" embedment.

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

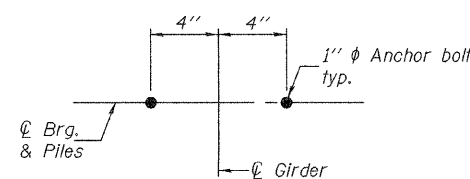
EXAMINED **Thomas J. Romagallo**  
ENGINEER OF BRIDGE DESIGN  
PASSED **Ronald E. Anderson**  
ENGINEER OF BRIDGES AND STRUCTURES

Sep. 30, 2008

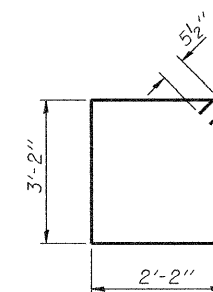


**FIELD CUTTING DIAGRAM**

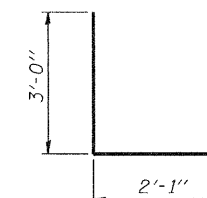
Order v<sub>2</sub>(E) full length. Cut as shown and use remainder of bars in opposite face.



**DETAIL A**



**BAR s<sub>2</sub>(E)**

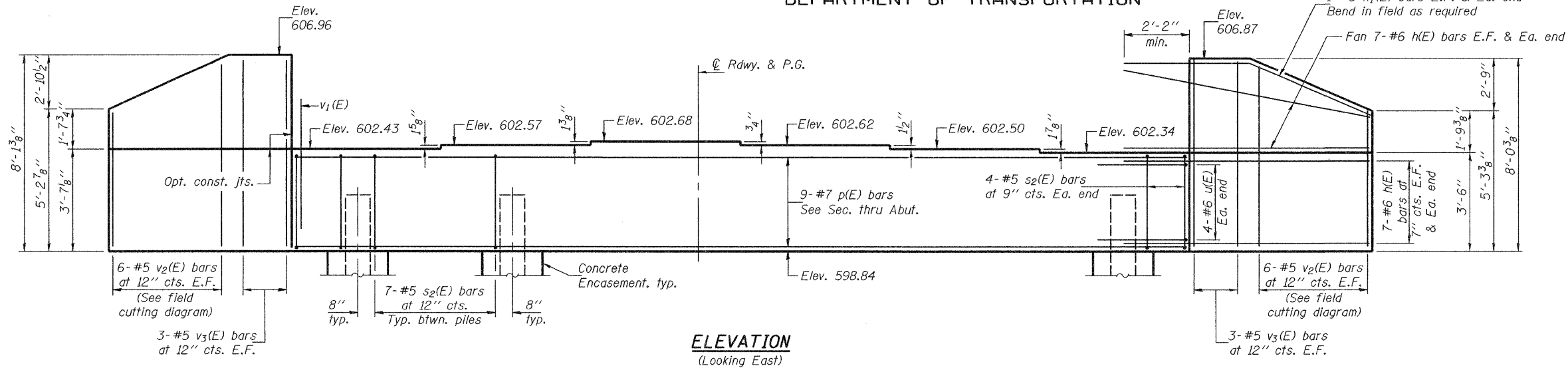


**BAR u(E)**

**WEST ABUTMENT (E.B.)**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

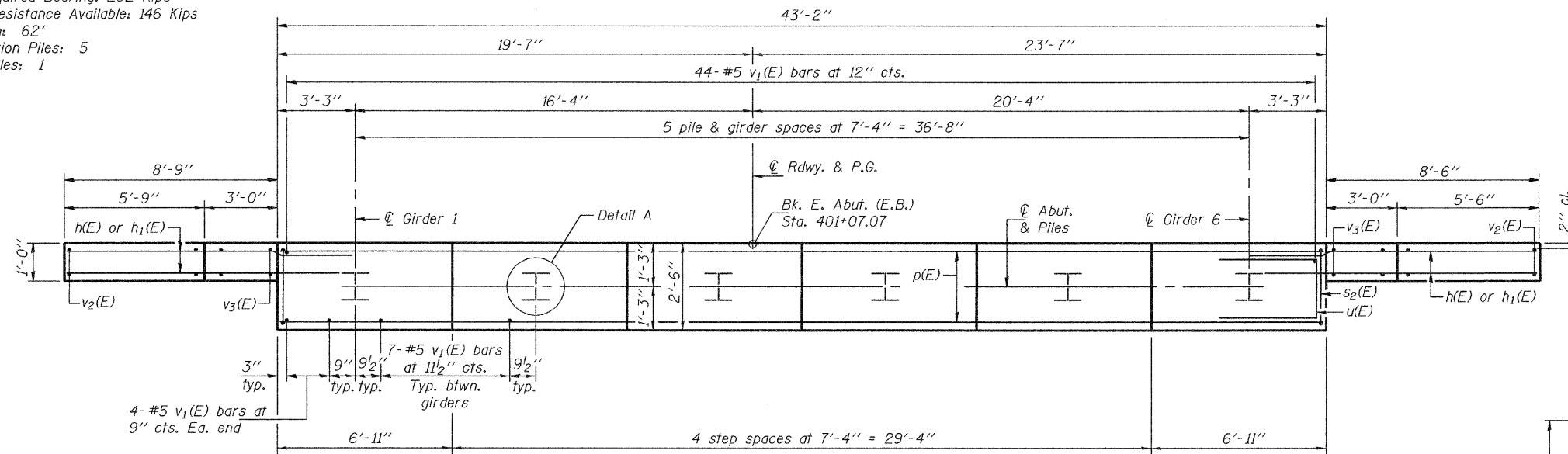
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 21 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	93	
ILLINOIS		CONTRACT NO. 66731			



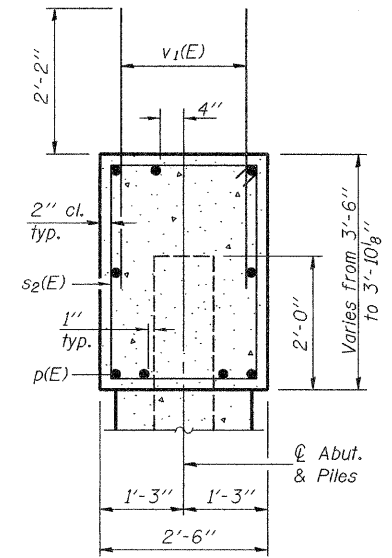
**ELEVATION**  
(Looking East)

**PILE DATA**

Type: Steel HP10x57  
Nominal Required Bearing: 292 Kips  
Factored Resistance Available: 146 Kips  
Est. Length: 62'  
No. Production Piles: 5  
No. Test Piles: 1



**PLAN**



**SEC. THRU ABUT.**

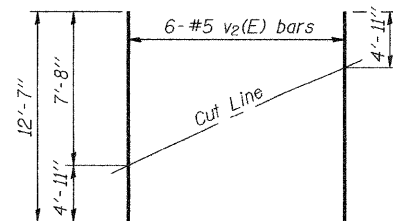
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	56	#6	11'-0"	—
h1(E)	4	#5	12'-3"	—
p(E)	9	#7	42'-10"	—
s2(E)	43	#5	11'-7"	□
u(E)	8	#6	8'-1"	□
v1(E)	87	#5	4'-4"	—
v2(E)	12	#5	12'-7"	—
v3(E)	12	#5	7'-9"	—
Structure Excavation		Cu. Yd.	88	
Concrete Structures		Cu. Yd.	19.3	
Reinforcement Bars, Epoxy Coated		Pound	3030	
Furnishing Steel Piles HP10x57		Foot	310	
Driving Piles		Foot	310	
Test Pile Steel HP10x57		Each	1	
Concrete Encasement		Cu. Yd.	2.1	
Anchor Bolts, 1" φ		Each	12	

Notes: Pour steps monolithically with cap.  
For details of piles and concrete encasement, see sheet 27 of 32.  
If h(E) bars interfere with steel H-piles, cut h(E) bars to fit and maintain min. 2'-2" embedment.

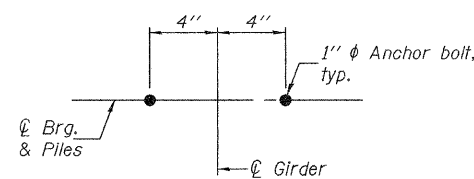
DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Domagala	Sep. 30, 2008
PASSED	Ronald E. Anderson	

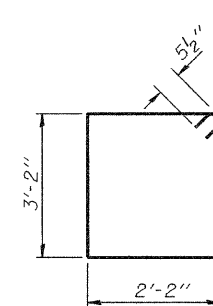


**FIELD CUTTING DIAGRAM**

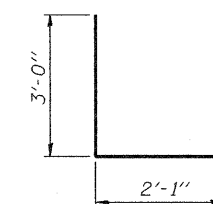
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



**DETAIL A**



**BAR s2(E)**



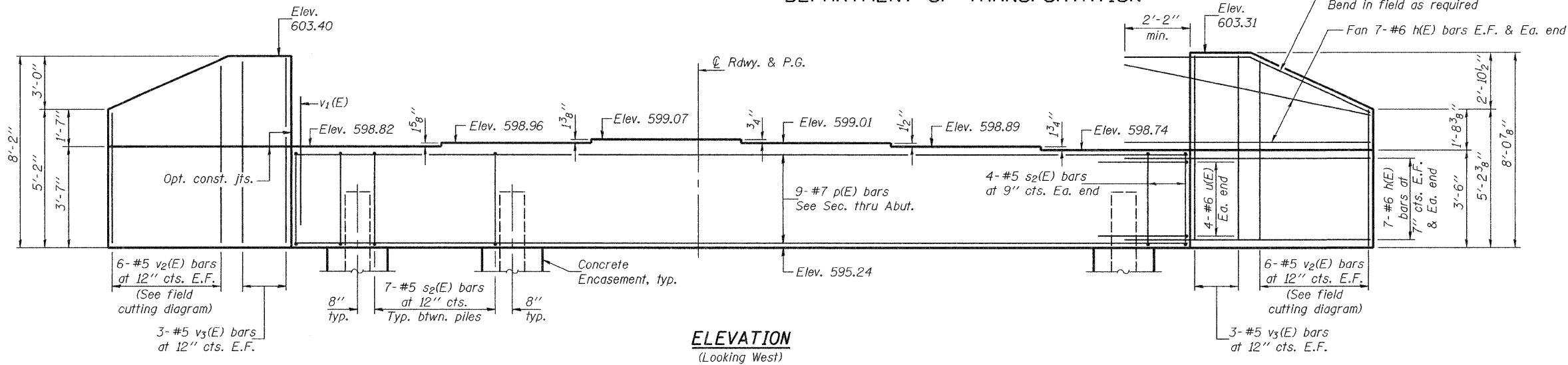
**BAR u(E)**

**EAST ABUTMENT (E.B.)**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

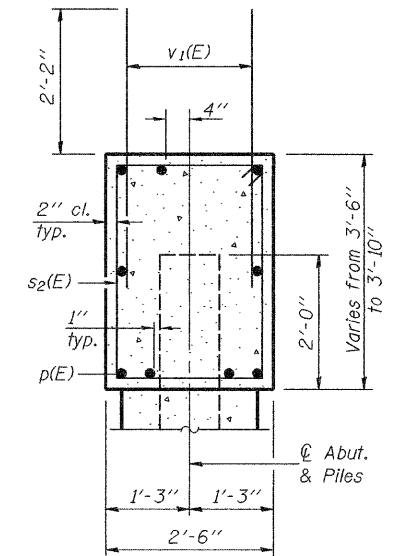
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 22 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	94	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731



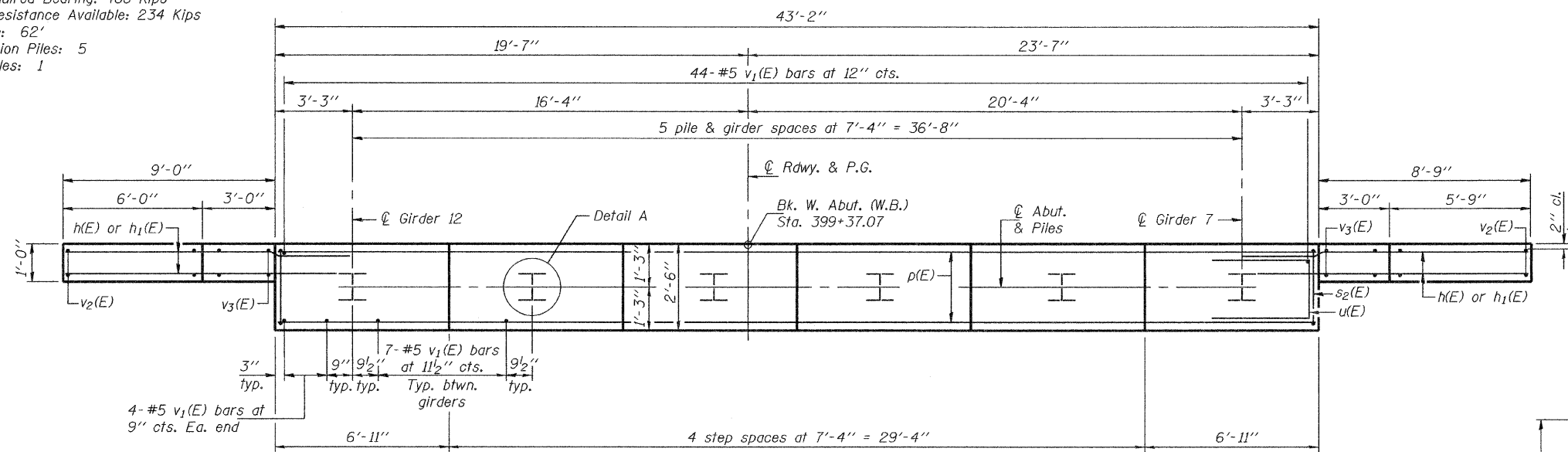
**ELEVATION**  
(Looking West)



**SEC. THRU ABUT.**

**PILE DATA**

Type: Steel HP12x63  
Nominal Required Bearing: 468 Kips  
Factored Resistance Available: 234 Kips  
Est. Length: 62'  
No. Production Piles: 5  
No. Test Piles: 1

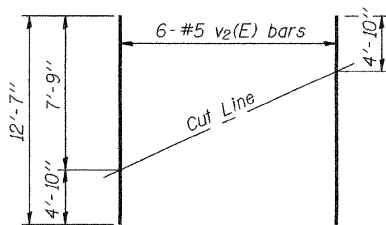


**PLAN**

Notes: Pour steps monolithically with cap.  
For details of piles and concrete encasement, see sheet 27 of 32.  
If h(E) bars interfere with steel H-piles, cut h(E) bars to fit and maintain min. 2'-2\"/>

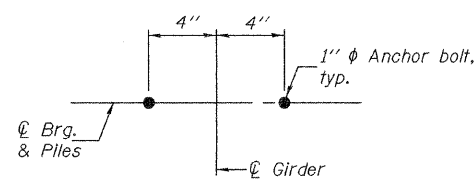
DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Domagalaki	Sep. 30, 2008
PASSED	Ronald E. Anderson	

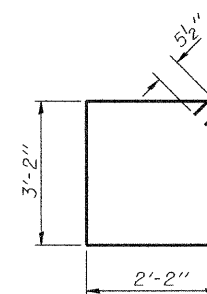


**FIELD CUTTING DIAGRAM**

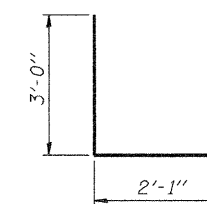
Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



**DETAIL A**



**BAR s2(E)**



**BAR u(E)**

**BILL OF MATERIAL**

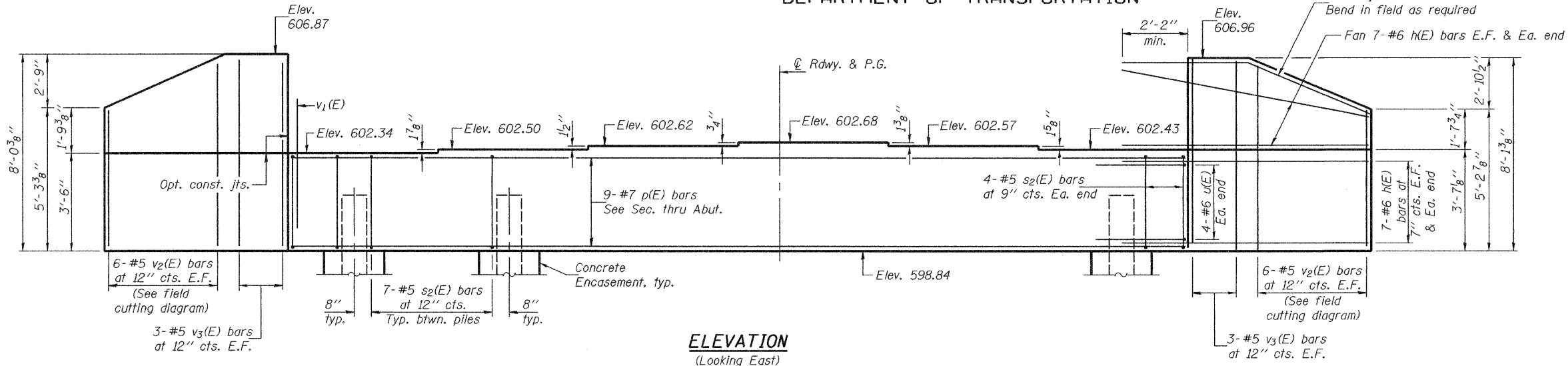
Bar	No.	Size	Length	Shape
h(E)	56	#6	11'-0"	—
h1(E)	4	#5	12'-3"	—
p(E)	9	#7	42'-10"	—
s2(E)	43	#5	11'-7"	□
u(E)	8	#6	8'-1"	□
v1(E)	87	#5	4'-4"	—
v2(E)	12	#5	12'-7"	—
v3(E)	12	#5	7'-9"	—
Structure Excavation		Cu. Yd.	88	
Concrete Structures		Cu. Yd.	19.4	
Reinforcement Bars, Epoxy Coated		Pound	3030	
Furnishing Steel Piles HP12x63		Foot	310	
Driving Piles		Foot	310	
Test Pile Steel HP12x63		Each	1	
Concrete Encasement		Cu. Yd.	2.1	
Anchor Bolts, 1" φ		Each	12	

**WEST ABUTMENT (W.B.)**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 23 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	95	
ILLINOIS		FED. AID PROJECT-			

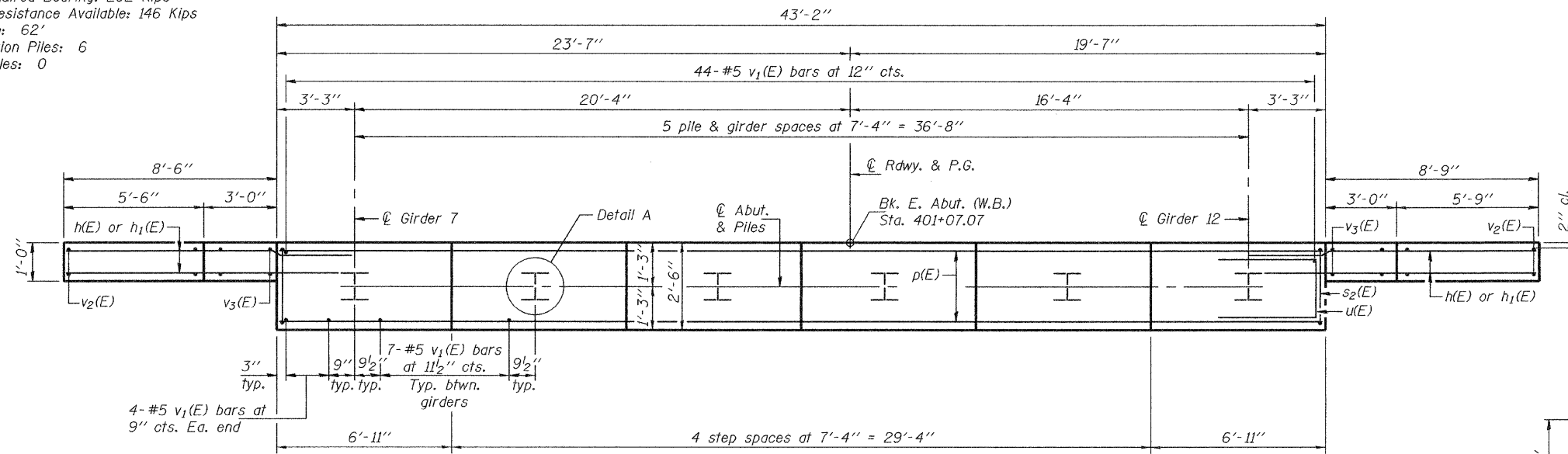
Contract No. 66731



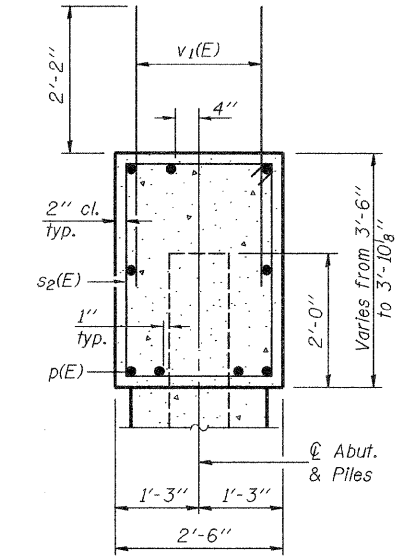
**ELEVATION**  
(Looking East)

**PILE DATA**

Type: Steel HP10x57  
Nominal Required Bearing: 292 Kips  
Factored Resistance Available: 146 Kips  
Est. Length: 62'  
No. Production Piles: 6  
No. Test Piles: 0



**PLAN**



**SEC. THRU ABUT.**

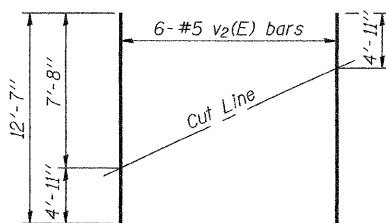
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	56	#6	11'-0"	—
h <sub>1</sub> (E)	4	#5	12'-3"	—
p(E)	9	#7	42'-10"	—
s <sub>2</sub> (E)	43	#5	11'-7"	□
u(E)	8	#6	8'-1"	—
v <sub>1</sub> (E)	87	#5	4'-4"	—
v <sub>2</sub> (E)	12	#5	12'-7"	—
v <sub>3</sub> (E)	12	#5	7'-9"	—
Structure Excavation		Cu. Yd.	88	
Concrete Structures		Cu. Yd.	19.3	
Reinforcement Bars, Epoxy Coated		Pound	3030	
Furnishing Steel Piles HP10x57		Foot	372	
Driving Piles		Foot	372	
Concrete Encasement		Cu. Yd.	2.1	
Anchor Bolts, 1" φ		Each	12	

Notes: Pour steps monolithically with cap.  
For details of piles and concrete encasement, see sheet 27 of 32.  
If h(E) bars interfere with steel H-piles, cut h(E) bars to fit and maintain min. 2'-2" embedment.

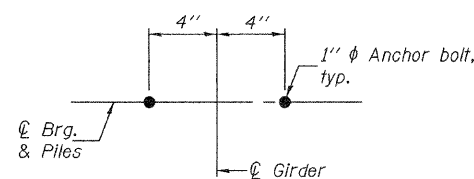
DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

EXAMINED *Thomas J. Donagallo*  
SEPT. 30, 2008  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES

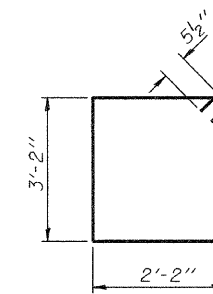


**FIELD CUTTING DIAGRAM**

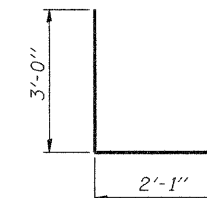
Order v<sub>2</sub>(E) full length. Cut as shown and use remainder of bars in opposite face.



**DETAIL A**



**BAR s<sub>2</sub>(E)**



**BAR u(E)**

**EAST ABUTMENT (W.B.)**  
**F.A.I. RTE. 80 - SEC. 14BR & 14BR-1**  
**BUREAU COUNTY**  
**STATION 400+22.07**  
**STRUCTURE NO. 006-0165 (E.B.)**  
**STRUCTURE NO. 006-0166 (W.B.)**







STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 26 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	98	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

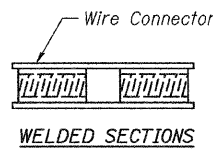
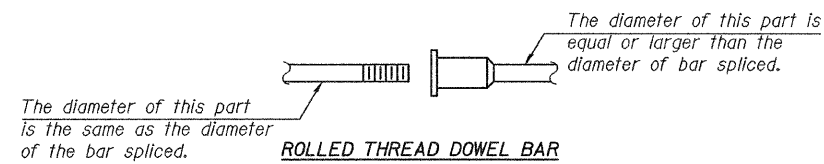
Contract No. 66731

**NOTES**

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.  
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.  
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.  
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.  
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

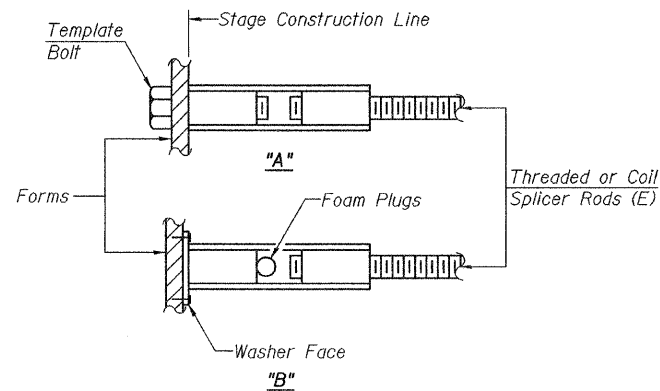
- ① Minimum Capacity (Tension in kips) =  $1.25 \times f_y \times A_t$
  - ② Minimum \*Pull-out Strength (Tension in kips) =  $0.66 \times f_y \times A_t$
- Where  $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $A_t$  = Tensile stress area of lapped reinforcement bars.  
\* = 28 day concrete

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



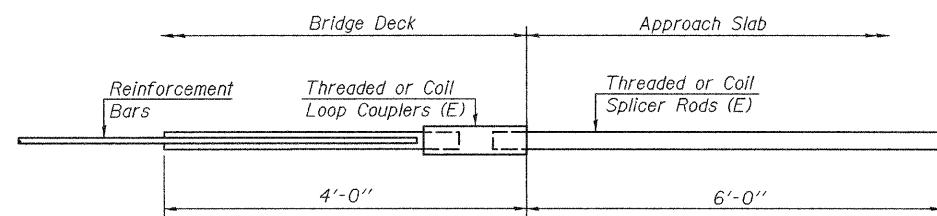
**BAR SPLICER ASSEMBLY ALTERNATIVES**

\*\*Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



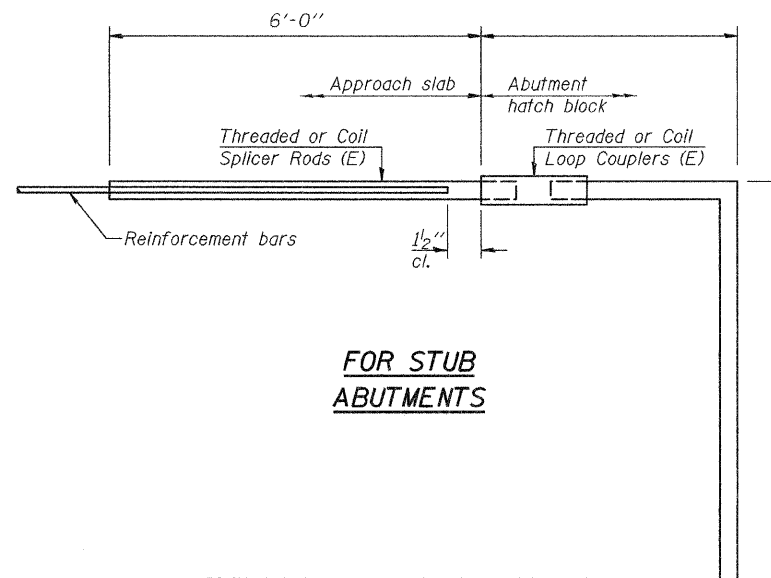
**INSTALLATION AND SETTING METHODS**

"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.



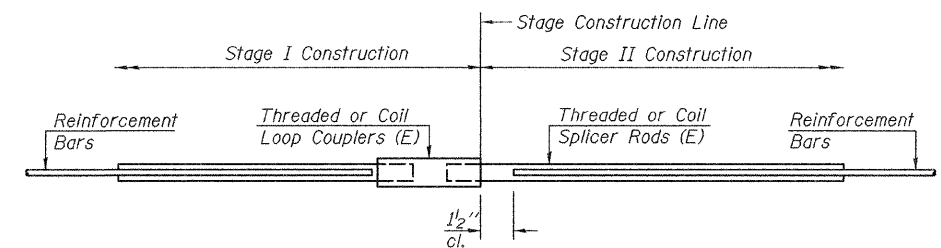
**FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required = 160



**FOR STUB ABUTMENTS**

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



**STANDARD**

Bar Size	No. Assemblies Required	Location

**BAR SPLICER ASSEMBLY DETAILS**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.t. duong
CHECKED	NRB/GRA

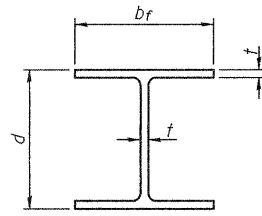
EXAMINED	Thomas J. Domagala ENGINEER OF BRIDGES
PASSED	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

BSD-1 11-1-06

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

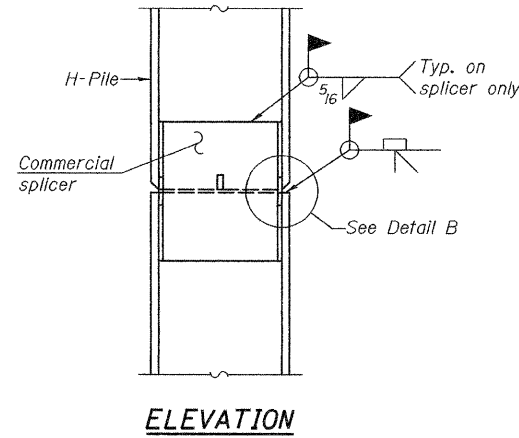
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 27 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	99	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 66731

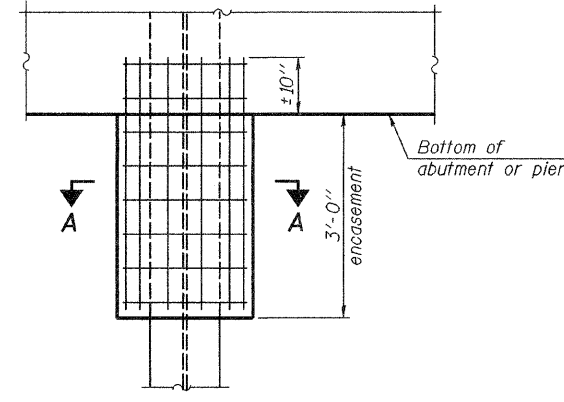


STEEL PILE TABLE

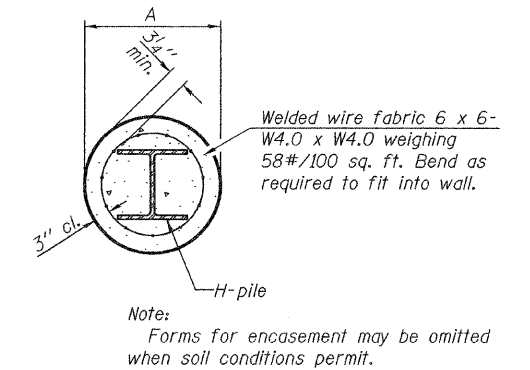
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 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

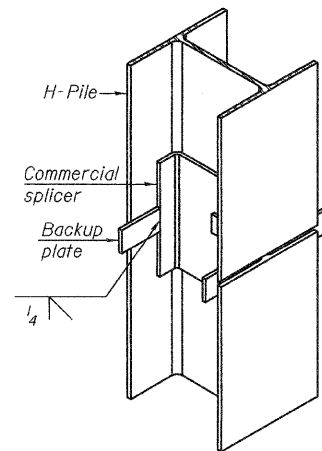


ELEVATION

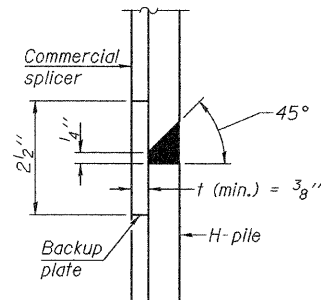


SECTION A-A

PILE ENCASEMENT

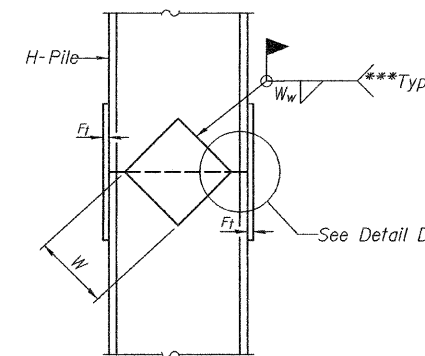


ISOMETRIC VIEW

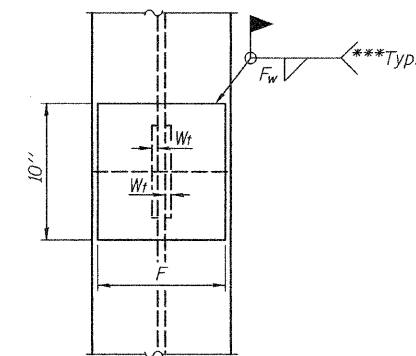


DETAIL "B"

WELDED COMMERCIAL SPLICE

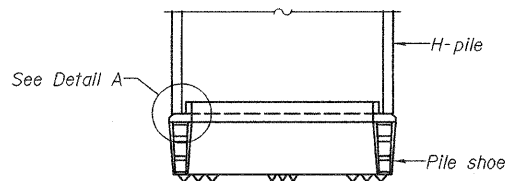


ELEVATION

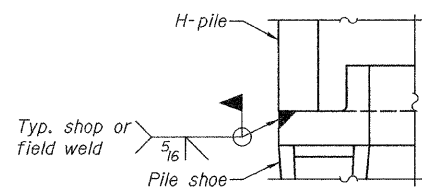


END VIEW

WELDED PLATE FIELD SPLICE

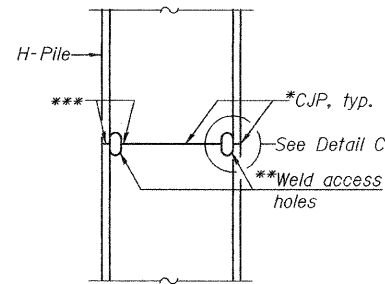


ELEVATION

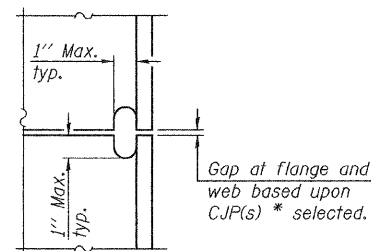


DETAIL A

H-PILE SHOE ATTACHMENT

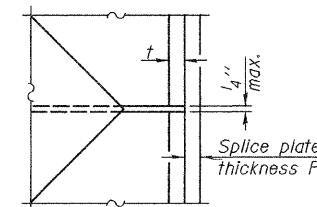


ELEVATION



DETAIL C

COMPLETE PENETRATION WELD SPLICE



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/2"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/2"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 1/2"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/2"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 1/2"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 1/2"	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"

STEEL H PILE DETAILS

F.A.I. RTE. 80 - SEC. 14BR & 14BR-1

BUREAU COUNTY

STATION 400+22.07

STRUCTURE NO. 006-0165 (E.B.)

STRUCTURE NO. 006-0166 (W.B.)

DESIGNED	Nicholas R. Barnett
CHECKED	Ray Ahanchi
DRAWN	h.f. duong
CHECKED	NRB/GRA

EXAMINED	Thomas J. Donagallo	Sep. 30, 2008
PASSED	Ronald E. Anderson	

F-HP

9-3-07

\*Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.

\*\*Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.

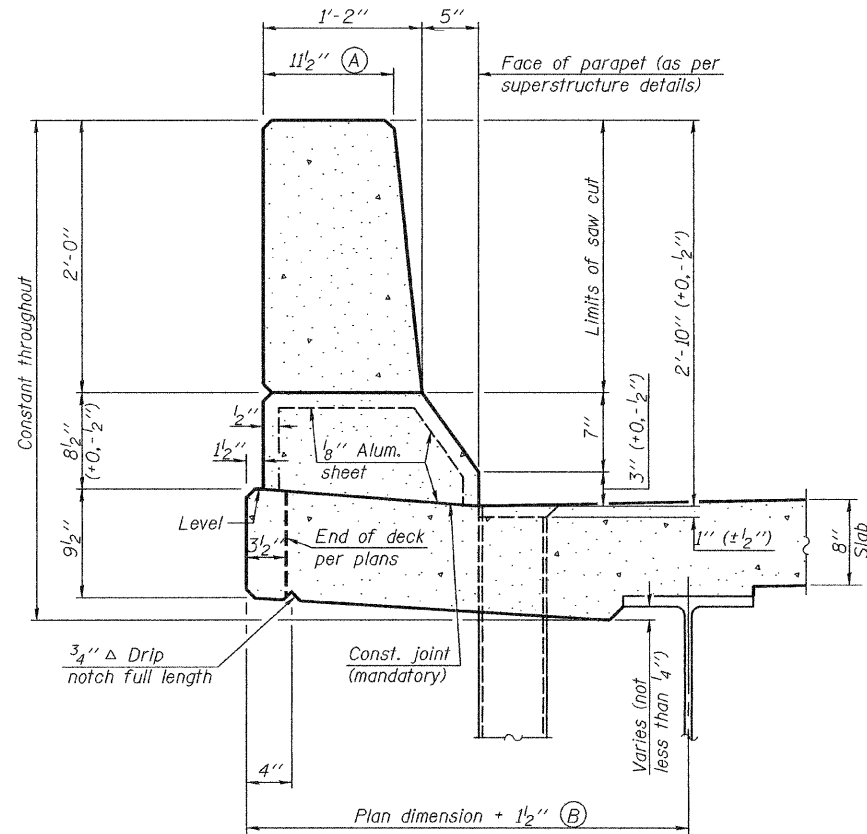
\*\*\*Interrupt welds 1/4" from end of each pile.

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

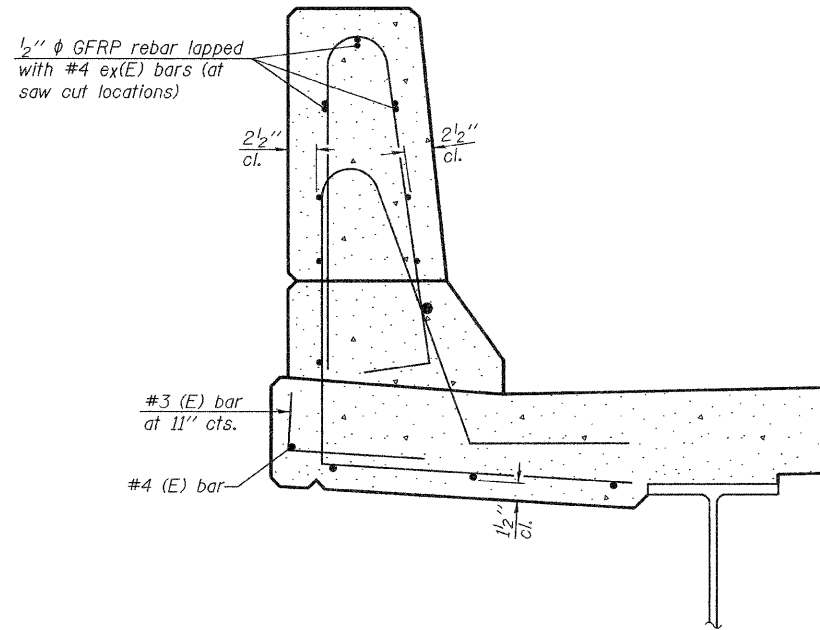
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 28 32 SHEETS
F.A.I. 80	14BR & 14BR-1	BUREAU	219	100	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

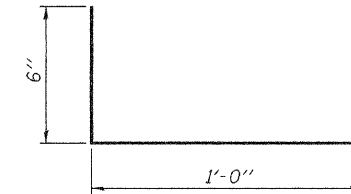
Contract No. 66731



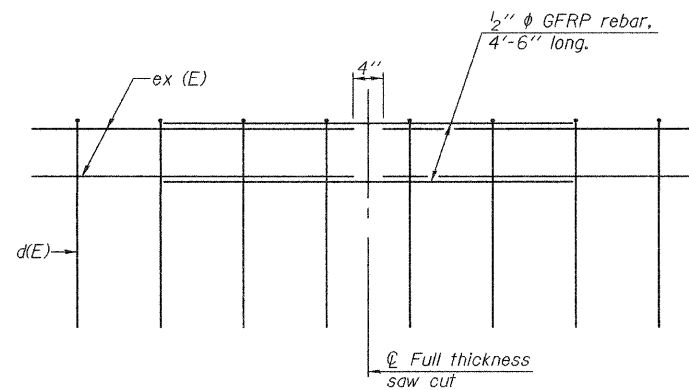
**SECTION**  
(Showing dimensions)



**SECTION**  
(Showing reinforcement clearances for slip forming and additional reinforcement bars)



**#3 (E) BAR**



**GFRP REBAR STIFFENING DETAIL**

(Place as shown in parapet section at each parapet joint location.)

**CONCRETE PARAPET  
SLIPFORMING OPTION**  
F.A.I. RTE. 80 - SEC. 14BR & 14BR-1  
BUREAU COUNTY  
STATION 400+22.07  
STRUCTURE NO. 006-0165 (E.B.)  
STRUCTURE NO. 006-0166 (W.B.)

DESIGNED	Nicholas R. Barnett	Sep. 30, 2008
CHECKED	Ray Ahanchi	EXAMINED <i>Thomas J. Romagallo</i> ENGINEER OF BRIDGE DESIGN
DRAWN	h.f. duong	PASSED <i>Ronald E. Anderson</i> ENGINEER OF BRIDGES AND STRUCTURES
CHECKED	NRB/GRA	

SFP-34

9-3-07