

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60B	(60-1HB-2)BP	BUREAU	12	1
ILLINOIS CONTRACT NO. 66D93				

- INDEX OF SHEETS**
- COVER SHEET
  - GENERAL NOTES
  - SUMMARY OF QUANTITIES
  - TYPICAL SECTION
  - TRAFFIC CONTROL AND PROTECTION, STANDARD 701400 (SPECIAL)
  - TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)
  - STAGING DETAILS
  - 8 - 12. EXISTING STRUCTURE PLANS - FOR INFORMATION ONLY

**DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

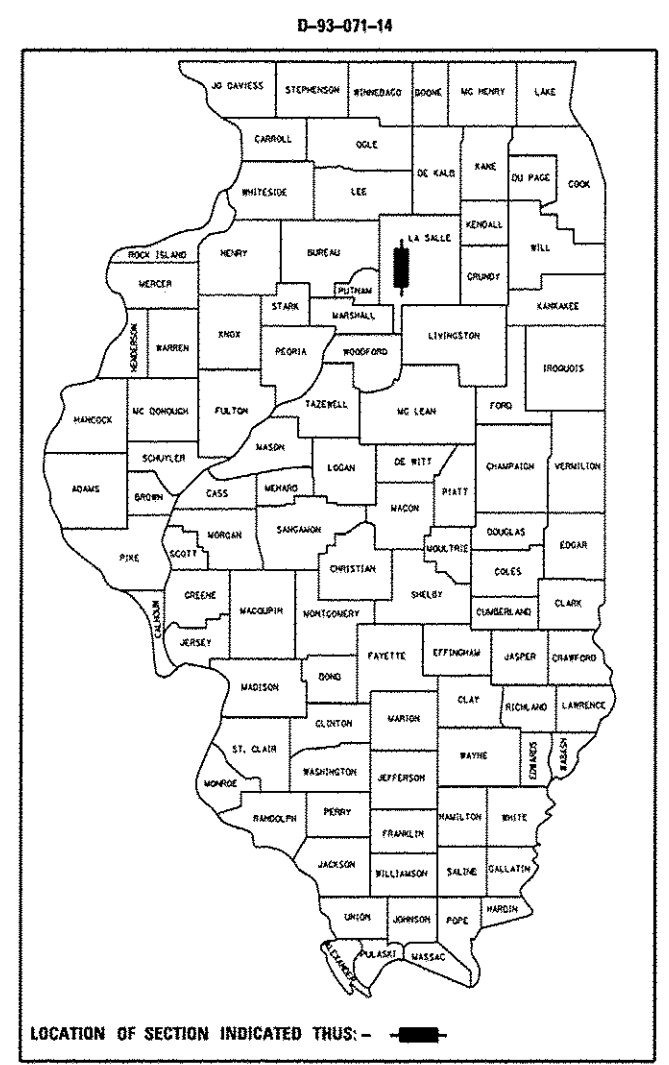
**PROPOSED  
HIGHWAY PLANS**

**TR 60B (470 ST. E.)  
SECTION (60-1HB-2)BP**

**BRIDGE PAINTING  
BUREAU**

**STRUCTURE NO. 006-0121  
CARRYING TR 60B (470 ST. E.)  
OVER F.A.I. ROUTE 80 (I-80)  
3.53 MILES EAST OF MINERAL**

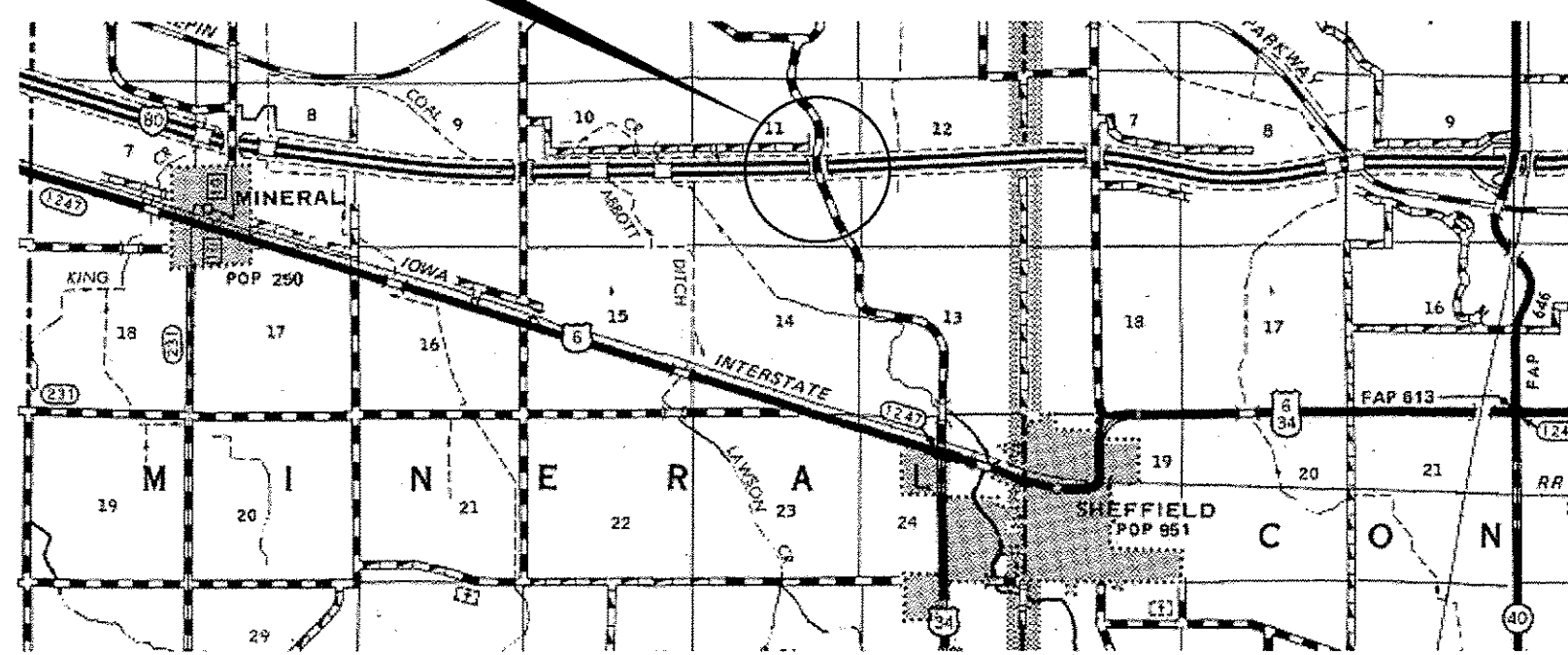
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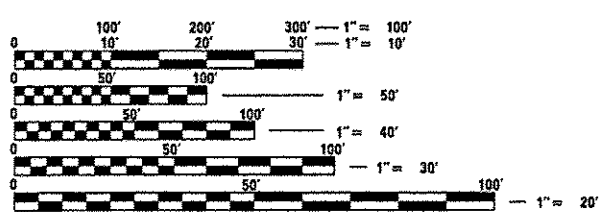
**STANDARDS**

- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701411-08 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
- 701428 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
- 701901-03 TRAFFIC CONTROL DEVICES
- 704001-07 TEMPORARY CONCRETE BARRIER
- 701400-07

**PROJECT LOCATION  
STRUCTURE NO. 006-0121**



POINT LOCATION



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

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

**PROJECT ENGINEER: JOE KANNEL P.E.  
UNIT CHIEF: RON WOODSHANK  
TOWNSHIP: MINERAL  
CONTRACT NO. 66D93**

RURAL	
INTERSTATE	
FAI RTE. 80	
2013	
ADT	17200
P.V.	62.36%
S.U.	3.34%
M.U.	34.30%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *April 16 2014*  
*Paul Coete P.E.*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*May 9 2014*  
*John D. Baranzelli P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*May 9 2014*  
*Omec Osman P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID PRICE FOR THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

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

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

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 CONTRACTOR SHALL BE REQUIRED TO SECURE WASTE CONTAINERS THAT REMAIN ON THE JOB SITE. THIS WILL ENTAIL THAT ALL WASTE CONTAINERS CAN NOT BE MOVED OR OPENED DURING NON-WORKING HOURS.

WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LISCENSED TO DISPOSE OF LEAD PAINT RESIDUE HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES.

THE EXISTING STRUCTURAL STEEL CONTAINS LEAD. THE CONTRACTOR SHOULD TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH LEAD PAINT ON THIS PROJECT.

THE SSPC-QP1 AND SSPC-QP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.

LOCATION 1: STRUCTURE NO 006-0121

CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL EXTERIOR AND INTERIOR SURFACES OF THE BEAMS, DIAPHRAGMS, BEARING ASSEMBLIES, BRIDGE RAILS AND ALL OTHER ASSOCIATED STEEL COMPONENTS SHALL BE CLEANED PER "NEAR WHITE BLAST CLEANING - SSPC-SP10. ALL EXISTING STEEL SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF "PAINT SYSTEM 1 - OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE "GRAY, MUNSELL NO. 5B 7/1". THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 4/8.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

REVIEWED BY: *Don Bevil*  
DISTRICT STUDIES & PLANS ENGINEER  
DATE: 4-16-14  
EXAMINED BY: *[Signature]*  
DISTRICT CONSTRUCTION ENGINEER  
*[Signature]*  
DISTRICT OPERATIONS ENGINEER  
*[Signature]*  
DISTRICT MATERIALS ENGINEER

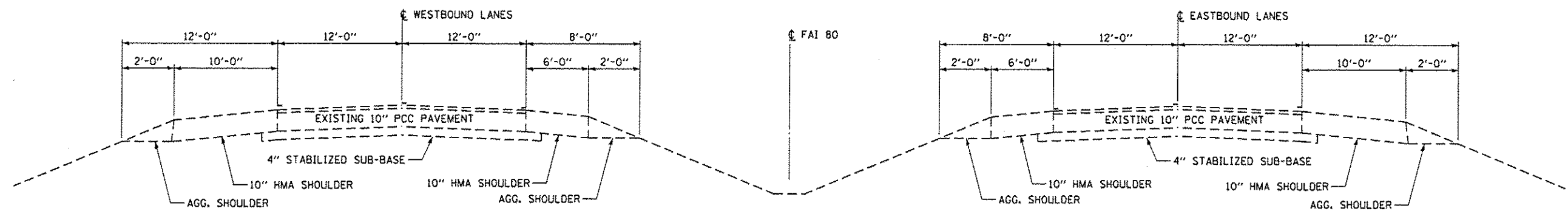
Rev.

FILE NAME *	USER NAME * Patelj	DESIGNED - R WOODSHANK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
or\pwork\pavidot\patelj\03080662\036693-shr-datas1a.dgn		DRAWN - R WOODSHANK	REVISED -		SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	60B	(60-118-2)BP	BUREAU	12	2
#MODELNAME#	PLOT SCALE * 1/8"=1'-0"	CHECKED - Y PATEL	REVISED -		ILLINOIS FED. AID PROJECT								
	PLOT DATE * 4/15/2014	DATE - 4/3/2014	REVISED -										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE PAINT ONLY 100% STATE BRIDGE 0014 050-0196
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	290	290
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	870	870
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	3	3
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	250	250
78300100	PAVEMENT MARKING REMOVAL	SQ FT	125	125
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	1	1
X7010410	<i>SPEED DISPLAY TRAILER</i>	<i>CAL MO</i>	<i>1</i>	<i>1</i>
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

\* Specialty Items

Rev.



FILE NAME \*  
 c:\pwork\pwork\patel\j\0308662\0308662

USER NAME \* Patel, J  
 93-shd-details.dgn  
 PLOT SCALE \* 100.0000 1 / in.  
 PLOT DATE \* 4/15/2014

DESIGNED - R WOODSHANK  
 DRAWN - R WOODSHANK  
 CHECKED - Y PATEL  
 DATE - 4/3/2014

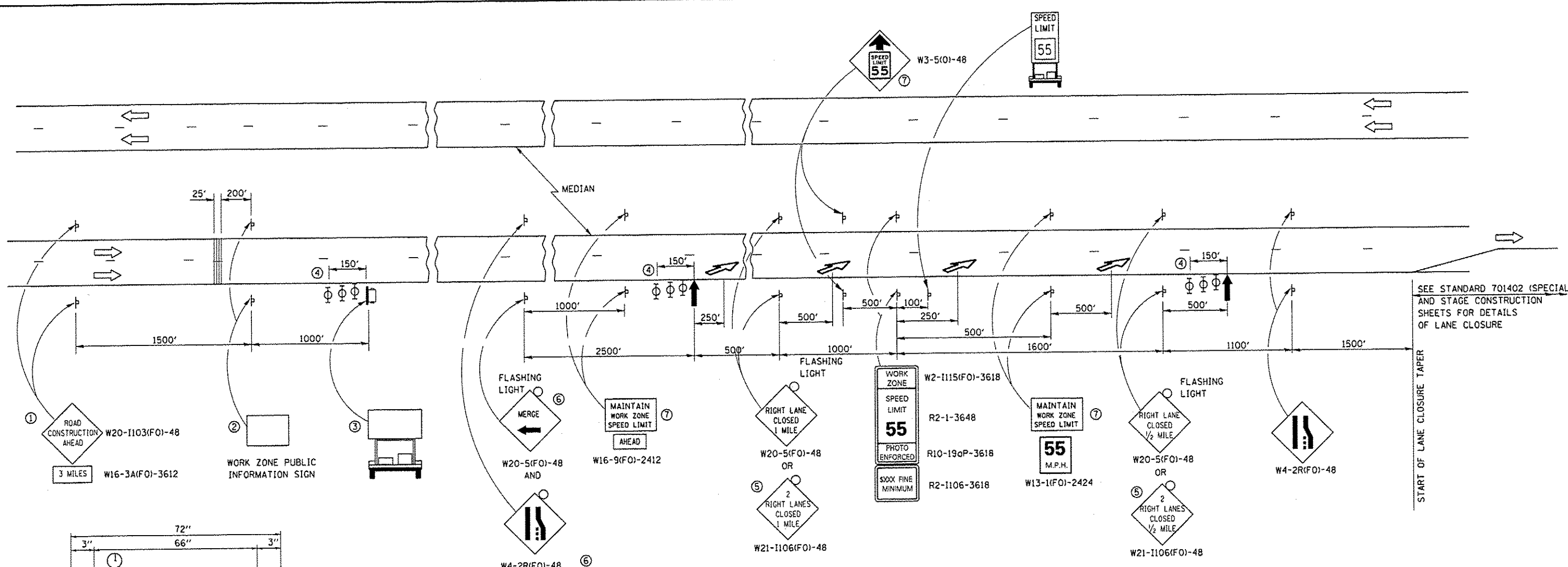
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION**

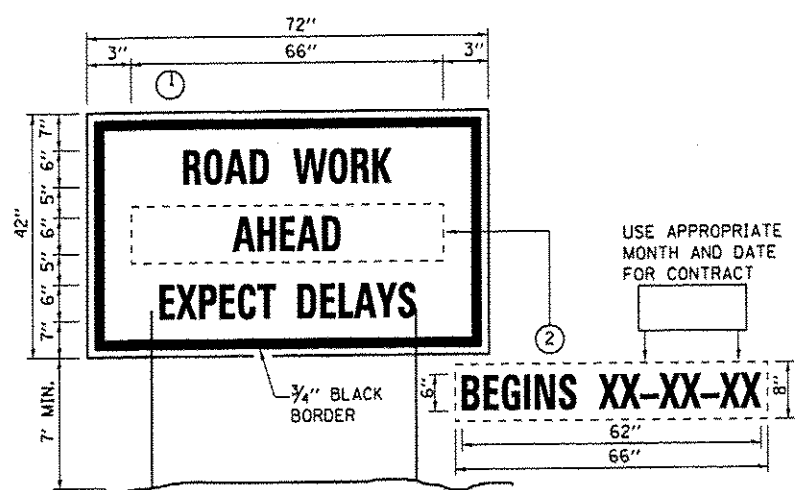
SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60B	(60-1HB-2)BP	BUREAU	12	4
CONTRACT NO. 66D93			ILLINOIS FED. AID PROJECT	



SEE STANDARD 701402 (SPECIAL) AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

START OF LANE CLOSURE TAPER

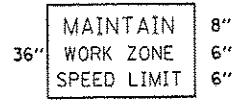


**TEMPORARY INFORMATION SIGNING**

- NOTES:**
- USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
  - ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
  - ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
  - REMOVE PANEL ② ON THAT DATE.
  - SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
  - WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

- THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE: "RIGHT LANE CLOSED" / " x MILES AHEAD" "LEFT LANE CLOSED" / " x MILES AHEAD" "ALL LANES OPEN"
- THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 50' CENTERS.
- THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.

⑦ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.



- ARROW BOARD
- PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- LANE DROP ARROW - SEE STANDARD 780001
- TEMPORARY RUMBLE STRIPS
- SPEED DISPLAY TRAILER

**GENERAL NOTE:**

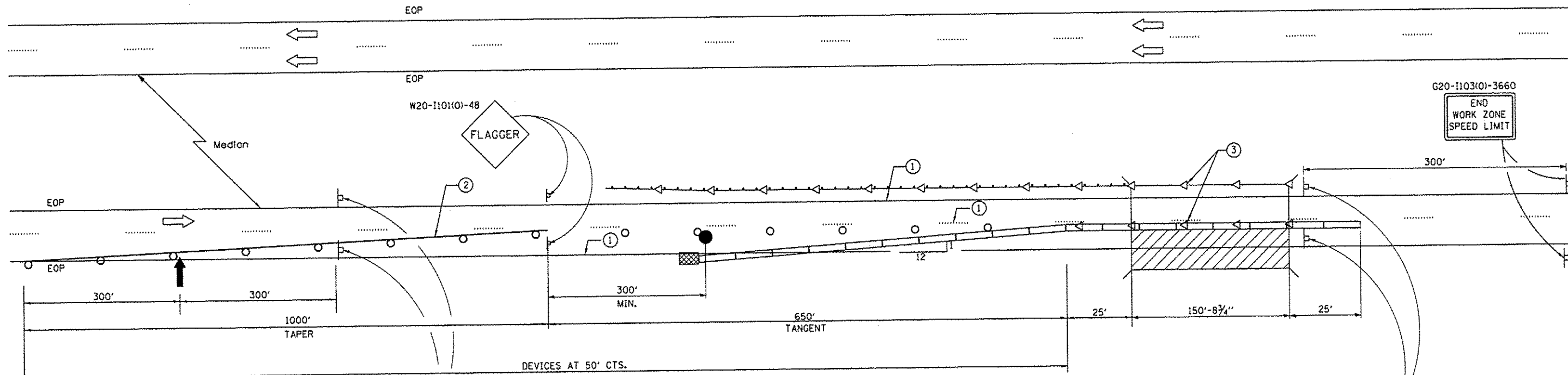
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

FILE NAME *	USER NAME * Patelj	DESIGNED - R WOODSHANK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION STANDARD 701400 (SPECIAL)</b>	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci\pwwork\pwwork\patelj\d0308662\0366693-shd-detailed.dgn	93-shd-detailed.dgn	DRAWN - R WOODSHANK	REVISED -			60B	(60-1HB-2)BP	BUREAU	12	5	
PLOT SCALE * 1/80,000 / 1/10		CHECKED - Y PATEL	REVISED -			ILLINOIS FED. AID PROJECT					
MODELNAME#	PLOT DATE * 4/15/2014	DATE - 4/3/2014	REVISED -			SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.		



SEE STANDARD 701400 (SPECIAL) FOR APPROACH LANE CLOSURE SIGNING

- R2-1106-3618 MINIMUM 500X FINE
- W2-1113(O)-3612 BEGINS
- R2-1-3648 45 SPEED LIMIT
- W2-1115(O)-3618 WORK ZONE

- R2-1106-3618 MINIMUM 500X FINE
- W2-1113(O)-3612 BEGINS
- R2-1-3648 55 SPEED LIMIT
- W2-1115(O)-3618 WORK ZONE

**GENERAL NOTES**

THIS STANDARD IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCR OACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24 INCHES OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS STANDARD MUST BE USED IN COMBINATION WITH STANDARD 701400 (SPECIAL).

WHEN WORK IS BEING PERFORMED IN THE LEFT LANE, THE SET UP WOULD BE A MIRROR IMAGE TO WHAT IS SHOWN.

FLAGGER, FLAGGER SIGNS AND SPEED LIMIT SIGNS SHALL BE REQUIRED WHENEVER TEMPORARY CONCRETE BARRIER IS NOT IN PLACE. WHEN TEMPORARY CONCRETE BARRIER IS IN PLACE, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED AND THE FLAGGER NOT REQUIRED.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

CALCULATE L AS FOLLOWS:

FORMULA  
 $L = (WXS)$

45 MPH OR MORE

W = WIDTH OF OFFSET  
 IN FEET

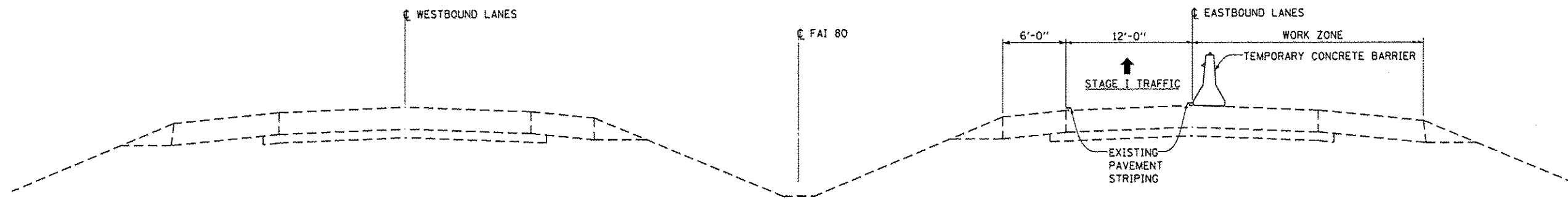
S = NORMAL POSTED  
 SPEED

**SYMBOLS**

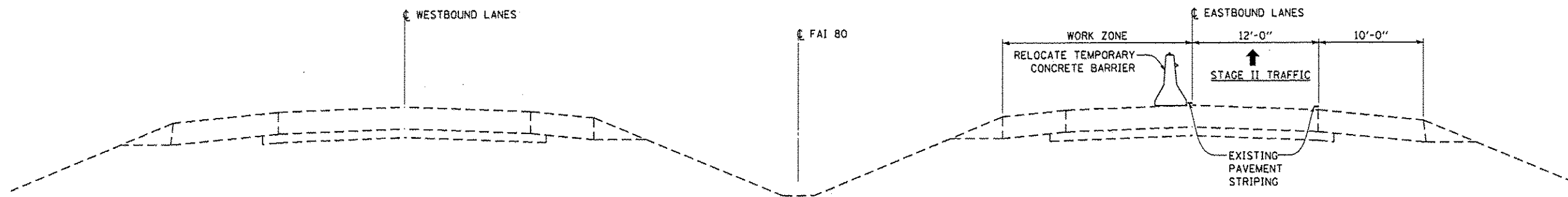
- ↑ ARROW BOARD
- ▨ WORK AREA
- ⊥ SIGN
- TRAFFIC CONTROL DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▬ TEMPORARY CONCRETE BARRIER
- ◁ MONODIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- ▣ IMPACT ATTENUATOR

- ① EXISTING PAVEMENT MARKING SHALL BE LEFT IN PLACE
- ② TEMPORARY PAVEMENT MARKING
- ③ BARRIER WALL/GUARDRAIL MARKERS AT 25' MARKERS ON RIGHT SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER. COST INCLUDED WITH TEMPORARY CONCRETE BARRIER.

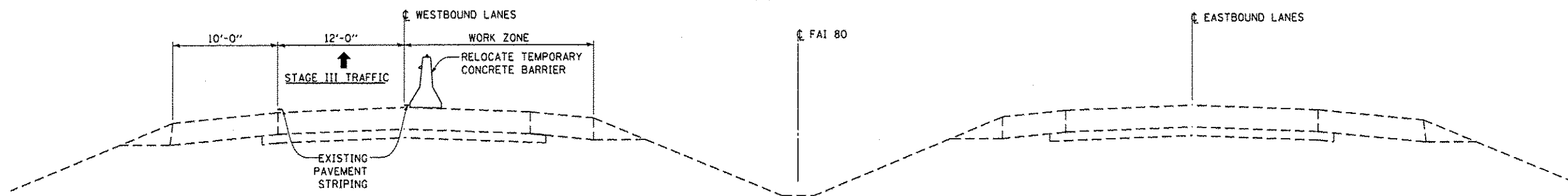
FILE NAME *	USER NAME * Patel,j	DESIGNED - R WOODSHANK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION STANDARD 701402 (SPECIAL)</b>	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\pwork\pwork\patel\j\08388662\036693-shc-details.dgn	DRAWN - R WOODSHANK	REVISED -	60B			(60-1HB-2)BP	BUREAU	12	6	
PLOT SCALE * 1/8" = 1' / in.	CHECKED - Y PATEL	REVISED -	CONTRACT NO. 66093							
PLOT DATE * 4/15/2014	DATE - 4/3/2014	REVISED -	ILLINOIS FED. AID PROJECT							
*MODELNAME*				SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.			



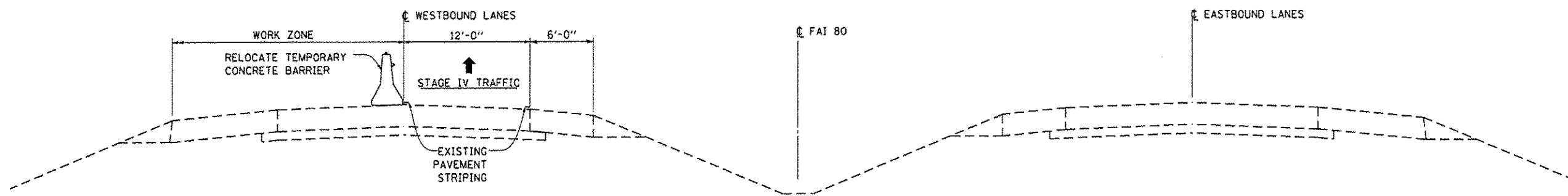
**STAGE I**



**STAGE II**



**STAGE III**



**STAGE IV**

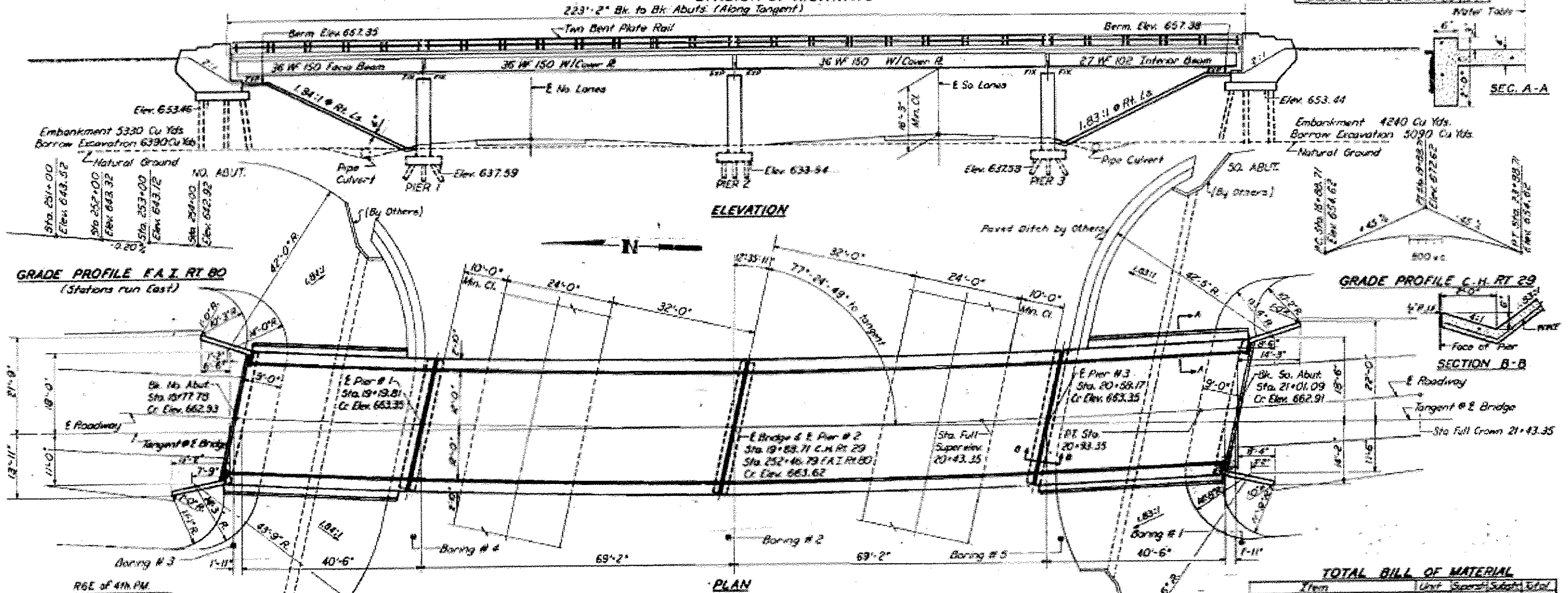
FILE NAME *	USER NAME * Patyalj	DESIGNED - R WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING DETAILS			T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	cd\pv_work\p\pidot\patyalj\0388662\036693-sht-details.dgn	DRAWN - R WOODSHANK	REVISED -					60B	(60-1HB-2)BP	BUREAU	12	7
*MODELNAME*	PLOT SCALE * 100.0000 ' / in.	CHECKED - Y PATEL	REVISED -	SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT DATE * 4/15/2014	DATE - 4/3/2014	REVISED -					CONTRACT NO. 66093				



B.M. Spike and Washer in Power Pole 34' Rt Sta. 24+89.00  
Elev. 644.31 (U.S.G.S.)

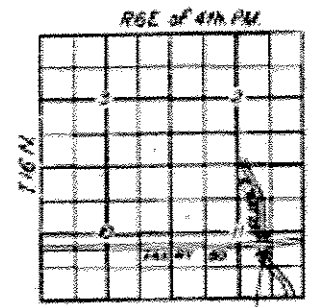
STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

DATE	BY	NO.	REVISION
11/21/14	J. PUTNAM	1	ISSUED FOR PERMIT
11/21/14	J. PUTNAM	2	REVISED
11/21/14	J. PUTNAM	3	REVISED
11/21/14	J. PUTNAM	4	REVISED
11/21/14	J. PUTNAM	5	REVISED
11/21/14	J. PUTNAM	6	REVISED
11/21/14	J. PUTNAM	7	REVISED
11/21/14	J. PUTNAM	8	REVISED
11/21/14	J. PUTNAM	9	REVISED
11/21/14	J. PUTNAM	10	REVISED
11/21/14	J. PUTNAM	11	REVISED
11/21/14	J. PUTNAM	12	REVISED



GRADE PROFILE F.A.I. RT 80  
(Stations run East)

GRADE PROFILE G.H. RT 29



**DESIGN STRESSES**  
 fc - 1400 p.s.i. Superc Sub  
 fr - 75 p.s.i. Flgs.  
 fs - 20,000 p.s.i. Reinf.  
 ft - 18,000 p.s.i. Struct.  
 n - 1.0

**GENERAL NOTES**

Class X Concrete shall be used throughout.  
 The Concrete Floor Slab shall be finished in accordance with Article 51.19 of the Standard Specifications.  
 Slope wall shall be reinforced with welded wire fabric, 6" x 6" mesh, #4 wires, weighing 53# per 100 Sq. Ft.  
 Rivets 3/4", open holes 1/2".

**GENERAL NOTES (CONT.)**

Expansion guards are included in quantity of Structural Steel. Estimated Weight = 2756 #.  
 Except as otherwise provided, all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.  
 All paint shall be furnished and applied by the Contractor.  
 The Contractor shall drive one (1) concrete test pile in a permanent location at the North Abutment and one (1) timber test pile near Pier # 3 as directed by the Engineer before ordering remainder of piles.  
 Permitted forms will not be permitted in forming the superstructure.

**CURVE DATA**

Main Line  
 P1 = 252+22.22  
 I = 2° 32' 00"  
 D = 0° 10'  
 T = 762.12  
 L = 1520.00  
 E = 8.40  
 R = 34,377.5

S.A. RT 29  
 P1 = 17+20.00  
 I = 22° 42' 42"  
 D = 3° 00' 00"  
 T = 382.69  
 L = 757.04  
 E = 38.59  
 R = 1910.08  
 S.E. = .025 ft.

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Subst	Total
Borrow Excavation	Cu Yds			4240
Class A Excavation for Strc	Cu Yds	172	122	
Class X Concrete	Cu Yds	202.7	240.3	443.0
Structural Steel	Lbs	190310		190310
Metal Handrail	Lin Ft	443		443
Reinforcement Bars	Lbs	33,100	15,690	48,790
Scrapped Piles	Lin Ft		560	560
Test Pile (Timber)	Each		1	1
Concrete Piles	Cu Ft		605	605
Test Pile (Concrete)	Each		1	1
Forme Planks	Each		2	2
Pipe Cap. 18" (R.C.P.C.) 24"	Lin Ft			153
Slope Wall	Sq Yds			483
Protective Coat	Sq Yds	782		782

STATION 252+46.79  
 BUILT 1961 BY  
 STATE OF ILLINOIS  
 F.A.I. RT 80 SEC. 06-1-NB-2  
 F.A. PROJ. I-80-1-1-NB-2  
 LOADING HIS-213

**NAME PLATE LETTERING**  
 See Standard 2113

**"FOR INFORMATION ONLY"**  
 GENERAL PLAN AND ELEVATION  
 PROJECT I-80-1-NB-2  
 F.A.I. RT 80 SEC. 06-1-NB-2  
 BUREAU COUNTY  
 STA. 252+46.79

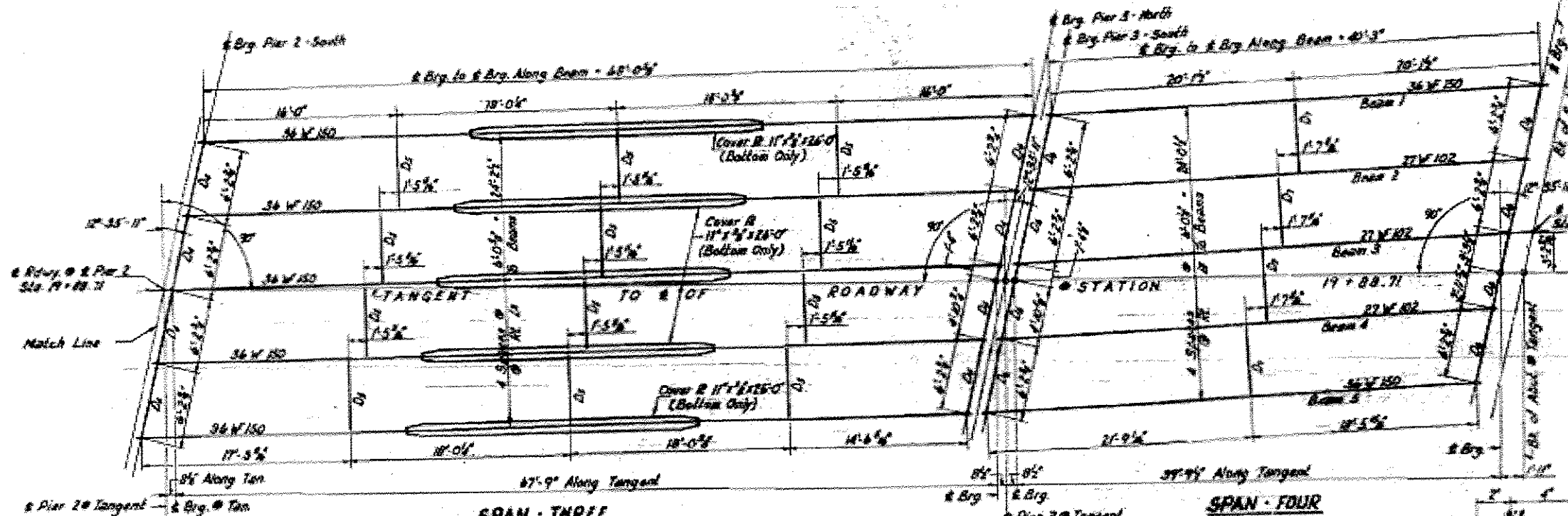
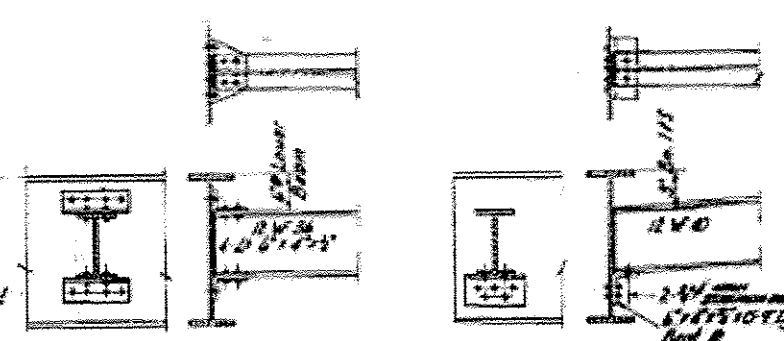
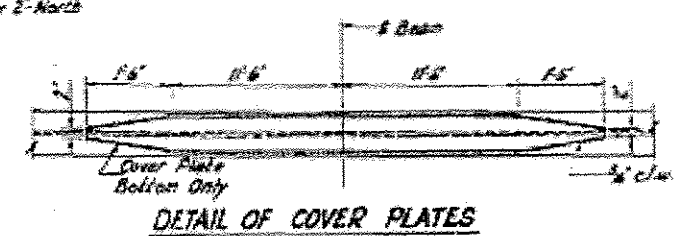
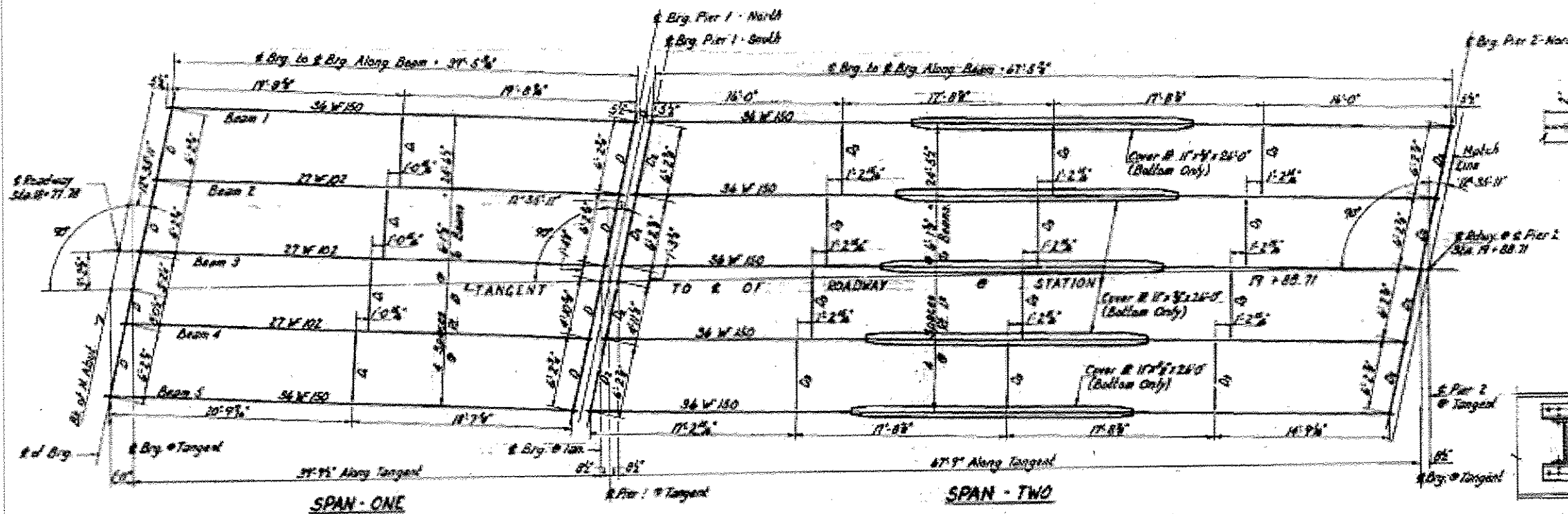






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DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

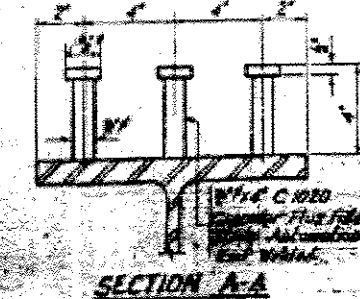
NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	SHEET NO. 4
1	2	3	4	5	15 SHEETS



ELEVATIONS TOP OF BEAMS

Beam	#1	#2	#3	#4	#5
4 Brg. N. Abut.	662.085	662.227	662.368	662.509	662.651
4 Brg. Pier 1-N	662.474	662.616	662.757	662.898	663.039
4 Brg. Pier 1-S	662.474	662.616	662.757	662.898	663.039
4 Brg. Pier 2-N	662.792	662.934	663.075	663.216	663.357
4 Brg. Pier 2-S	662.792	662.934	663.075	663.216	663.357
4 Brg. Pier 3-N	662.886	663.027	663.168	663.309	663.451
4 Brg. Pier 3-S	662.886	663.027	663.168	663.309	663.451
4 Brg. S. Abut.	662.085	662.227	662.368	662.509	662.651

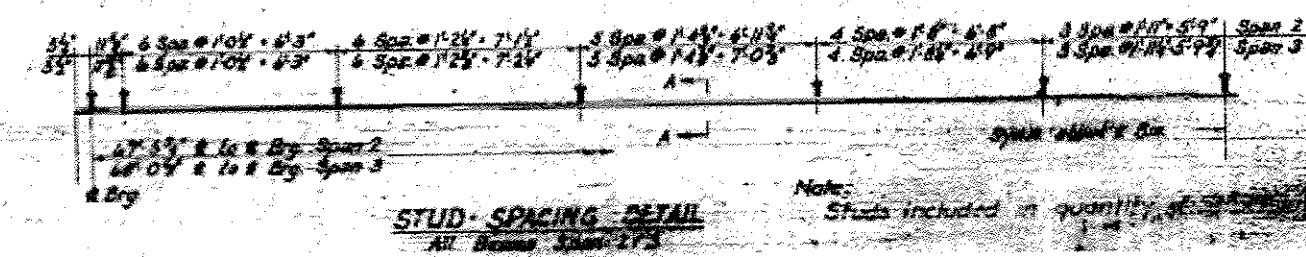
"FOR INFORMATION ONLY"



STRUCTURAL STEEL LAYOUT  
F.A.J. RT. 20 SEC. 06-1-NB-2  
BUREAU COUNTY  
STA. 253 + 46.77

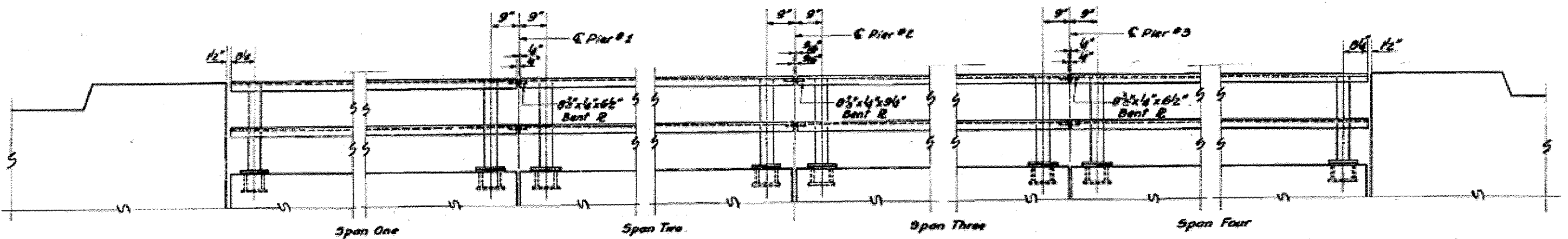
DESIGNED: D. J. McLaughlin  
CHECKED: Robert A. Smith  
DRAWN: P. Linder  
CHECKED: James H. Pence

NOV 21 2014



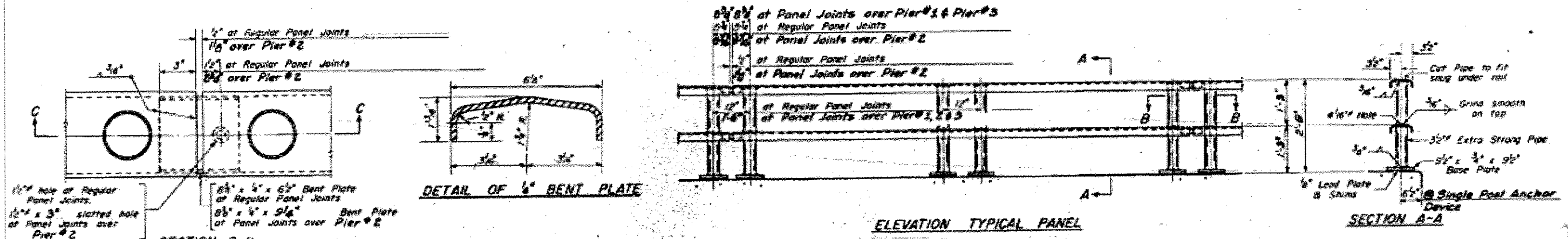
Note: Studs included in quantity of...





**PARTIAL ELEVATION**  
Showing End Post only

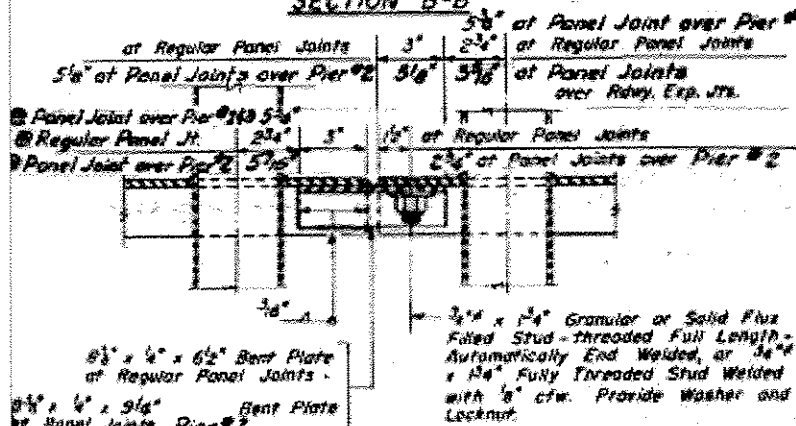
NOTE: For Full Elevation of Handrail See Sheet # 1



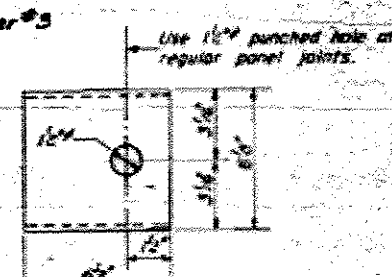
**SECTION B-B**

**ELEVATION TYPICAL PANEL**

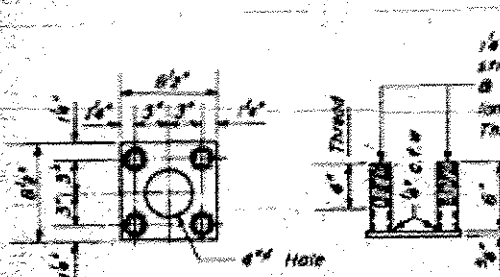
**SECTION A-A**



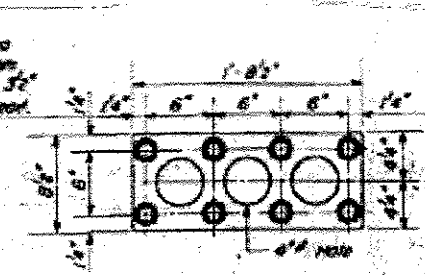
**SECTION C-C**



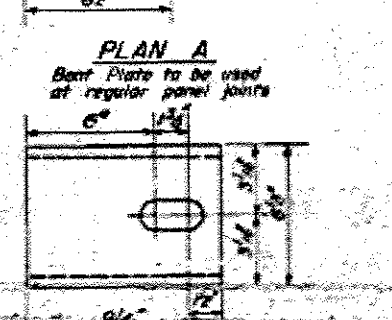
**PLAN A**



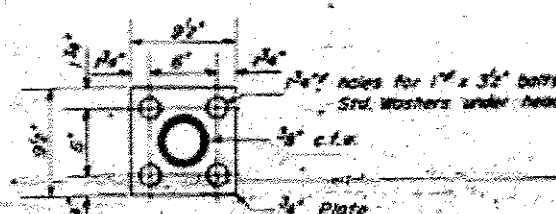
**ANCHOR DEVICE**  
For Single Post at each End of Panel



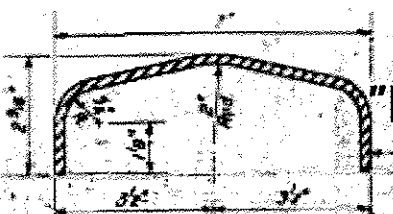
**ANCHOR DEVICE**  
For Double Posts within Each Panel



**PLAN B**



**BASE PLATE**  
ALL POSTS



**DETAIL OF RAIL**

**GENERAL NOTES**

After erection all Bolts and Washers shall be spot painted with one coat of red lead and polished two coats of aluminum paint.  
Provide 1-5" and 2-5/8" Shims for 50% of the Posts.

**BILL OF MATERIAL**

Item	Unit	Quantity
Metal Handrail	Lin. Ft.	665

**"FOR INFORMATION ONLY"**  
**HANDRAIL DETAILS**  
**F.A.I. 80 SEC.06-1-HB-2**  
**BUREAU COUNTY**  
**97A.152-4679**

DESIGNED: *A. J. McLaughlin*  
CHECKED: *J. W. Smith*  
DRAWN: *Garbor Pope*  
DATE: *Nov 21 1960*

R-12 (A) Drawn 4-18-60