

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(125-BR)BP	DEKALB	13	1
		ILLINOIS	CONTRACT NO. 66J45	

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
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- 7 - 8. STAGING DETAILS FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321
- 9 - 12. EXISTING STRUCTURE DETAILS: FOR INFORMATION ONLY
13. DETAILS

STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-05	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 553 (IL 72)
SECTION (125BR)BP
PROJECT STP-ZEE9(654)
BRIDGE PAINTING
DEKALB COUNTY

C-93-095-18

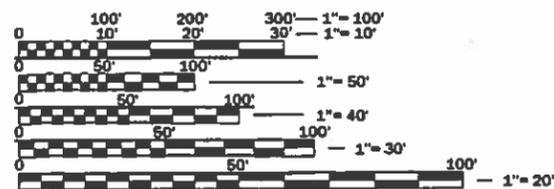
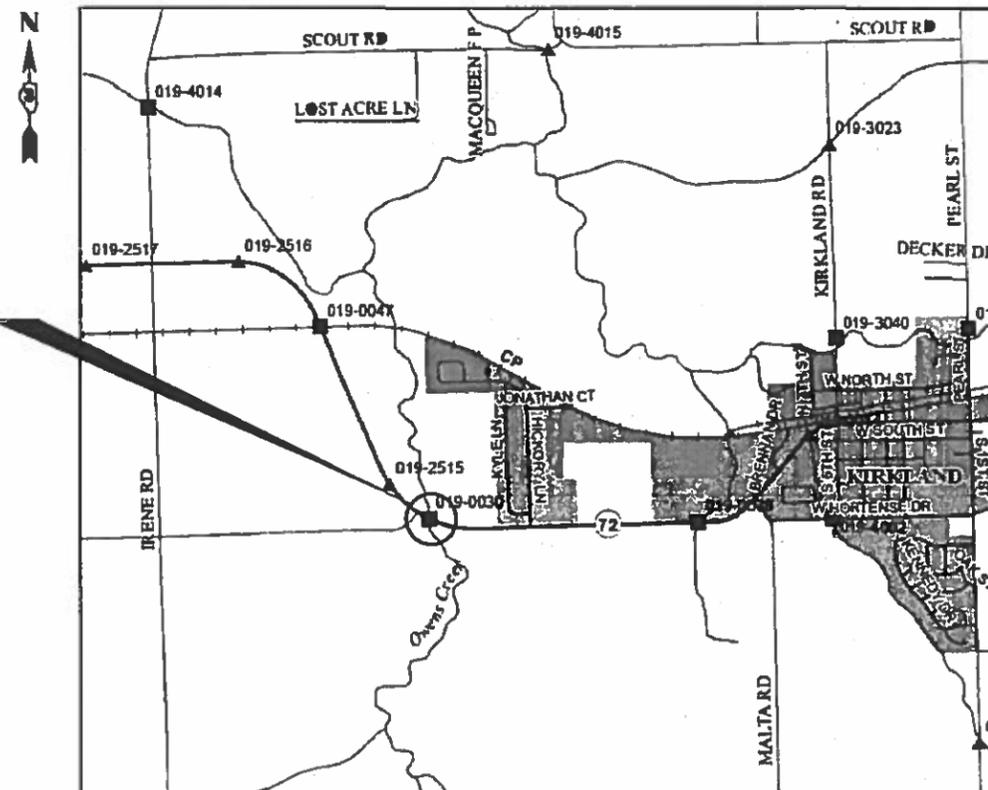


FUNCTIONAL CLASSIFICATION

RURAL - MINOR ARTERIAL
F.A.P. ROUTE 553 (IL 72)
2017 ADT = 2250
P.V. 85.3% S.U. 5.8% M.U. 8.9%

PROJECT LOCATION

STRUCTURE NO. 019-0030
CARRYING F.A.P. 553 (IL 72)
OVER OWENS CREEK
1.3 MILES WEST OF KIRKLAND



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
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66J45

GROSS LENGTH = 164 FT. = 0.031 MILE
NET LENGTH = 164 FT. = 0.031 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12-11-2018 [Signature]
REGIONAL ENGINEER

Feb 19 2019 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 19 2019 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. THE EXISTING STRUCTURAL STEEL CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
3. STRUCTURE NO. 019-0030 SHALL BE DESIGNATED AS "LOCATION 1".
4. THE SSPC-QP1 AND SSPC-QP2 "PAINTING CONTRACTOR CERTIFICATIONS" WILL BE REQUIRED FOR THIS PROJECT.
5. A MINIMUM OF TWO AIR MONITORS SHALL BE REQUIRED FOR THIS STRUCTURE. THE CONTRACTOR SHALL FURNISH AND INSTALL THE MONITORS AS DIRECTED BY THE ENGINEER. (SEE THE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".)
6. CLEANING AND PAINTING OF EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES" AND AS SPECIFIED BELOW.
 - a) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, DRAINS, CROSS/LATERAL FRAMING WHEN PRESENT, AND EXPOSED SURFACES OF BEARING ASSEMBLIES SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10".
 - b) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS, DIAPHRAGMS, DRAINS, CROSS/LATERAL FRAMING WHEN PRESENT AND EXPOSED SURFACES OF BEARING ASSEMBLIES SHALL BE PAINTED PER THE REQUIREMENT OF "PAINT SYSTEM 1-OZ/E/U".
 - 1) THE FINAL FINISH COAT FOR ALL INTERIOR STRUCTURAL STEEL SHALL BE "GRAY, MUNSELL NO. 5B 7/1".
 - 2) FINISH COAT FOR EXTERIOR FACE, BOTTOM FLANGE AND BEARING ASSEMBLIES OF THE FASCIA BEAMS SHALL BE "GREEN, MUNSELL NO. 7.5G 1/2".
7. 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.
8. WORKING DAYS SHALL BE CHARGED UNTIL THE CONTRACTOR/SUBCONTRACTOR LICENSED TO DISPOSE OF LEAD PAINT RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LICENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE LEAD PAINT RESIDUES ON OR BEFORE THE SPECIFIED COMPLETION DATE, LIQUIDATED DAMAGES SHALL BE CHARGED PER CALENDAR DAY ACCORDING TO ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS UNTIL SUCH TIME THAT ALL PAINT RESIDUE MATERIALS HAVE BEEN PROPERLY REMOVED AND DISPOSED OF.

COMMITMENTS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *[Signature]*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 12-11-18

EXAMINED BY: *[Signature]*
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = woodshankr	DESIGNED - JW	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED - RW	REVISED -
	PLOT DATE = 8/10/2018	DATE - 05/23/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(125-BR)BP	DEKALB	13	2
CONTRACT NO. 66J45				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				BRIDGE PAINTING
				80% FED 20% STATE
				BRIDGE
				0047
				S.N. 019-0030
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	300	300
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	300	300
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	160	160
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	80	80
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	6	6
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1

* SPECIALTY ITEM

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		DATE - 05/24/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

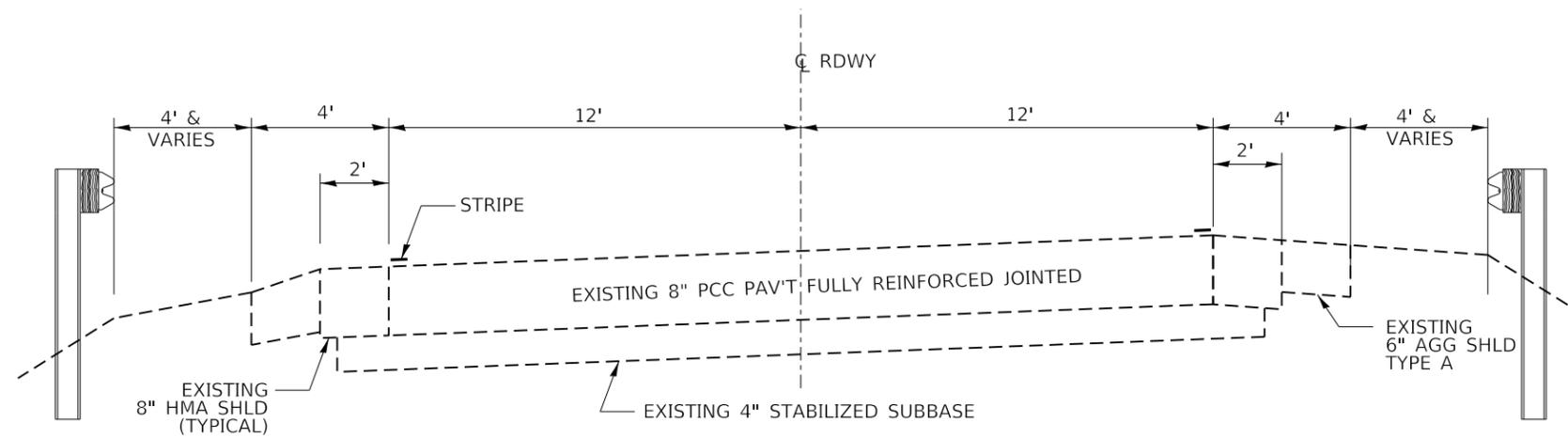
SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(125-BR)BP	DEKALB	13	3
			CONTRACT NO. 66J45	
		ILLINOIS	FED. AID PROJECT	

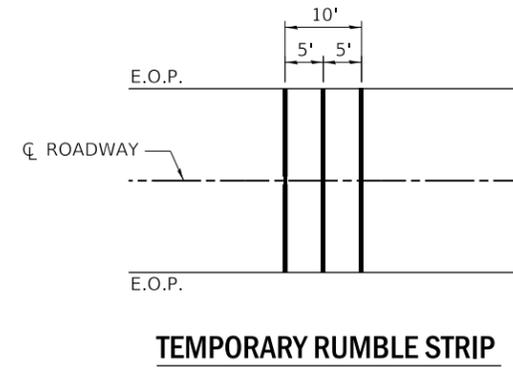
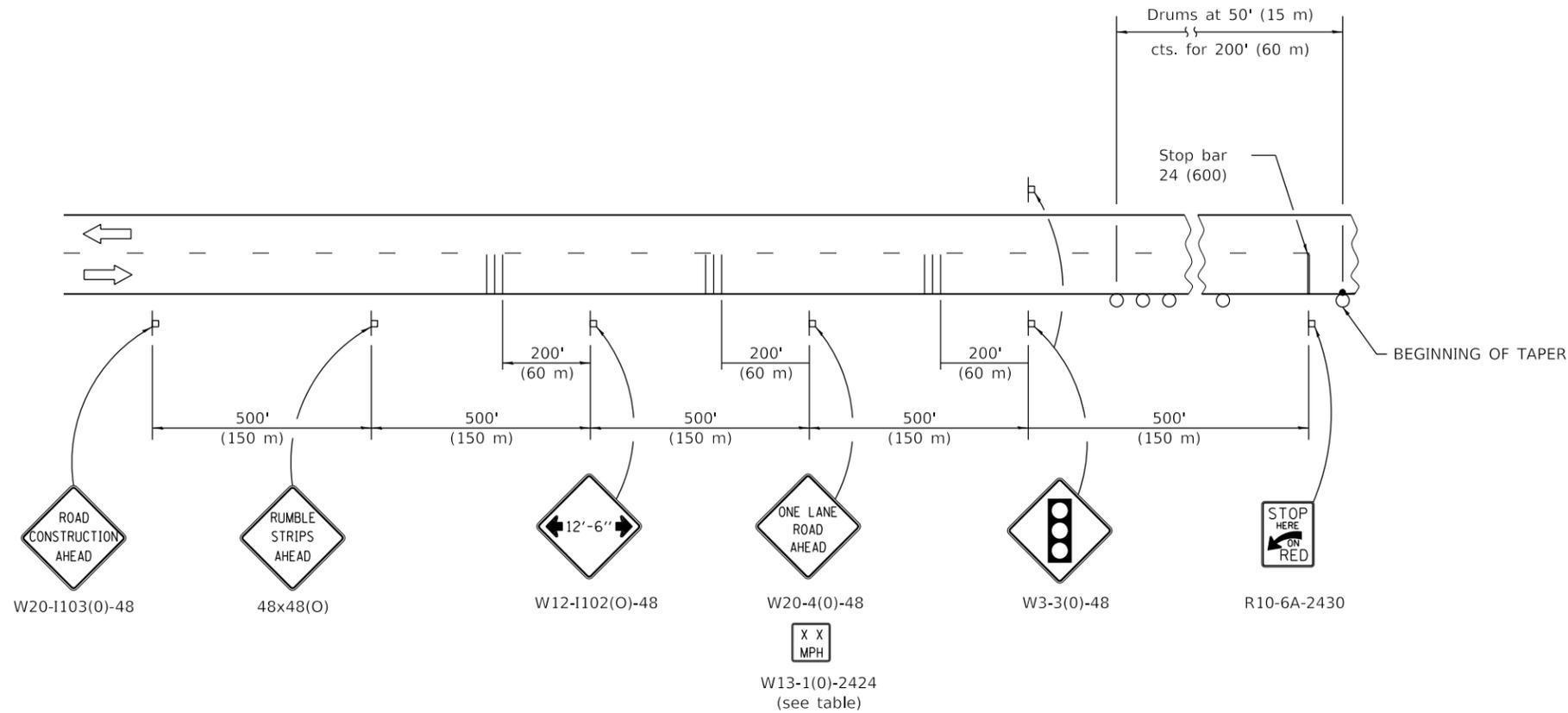
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				BRIDGE PAINTING 80% FED 20% STATE
				BRIDGE
				0047
				S.N. 019-0030
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42

FILE NAME =	USER NAME = woodshank1	DESIGNED - JW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 8/10/2018	DATE - 05/24/2018	REVISED -			SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.



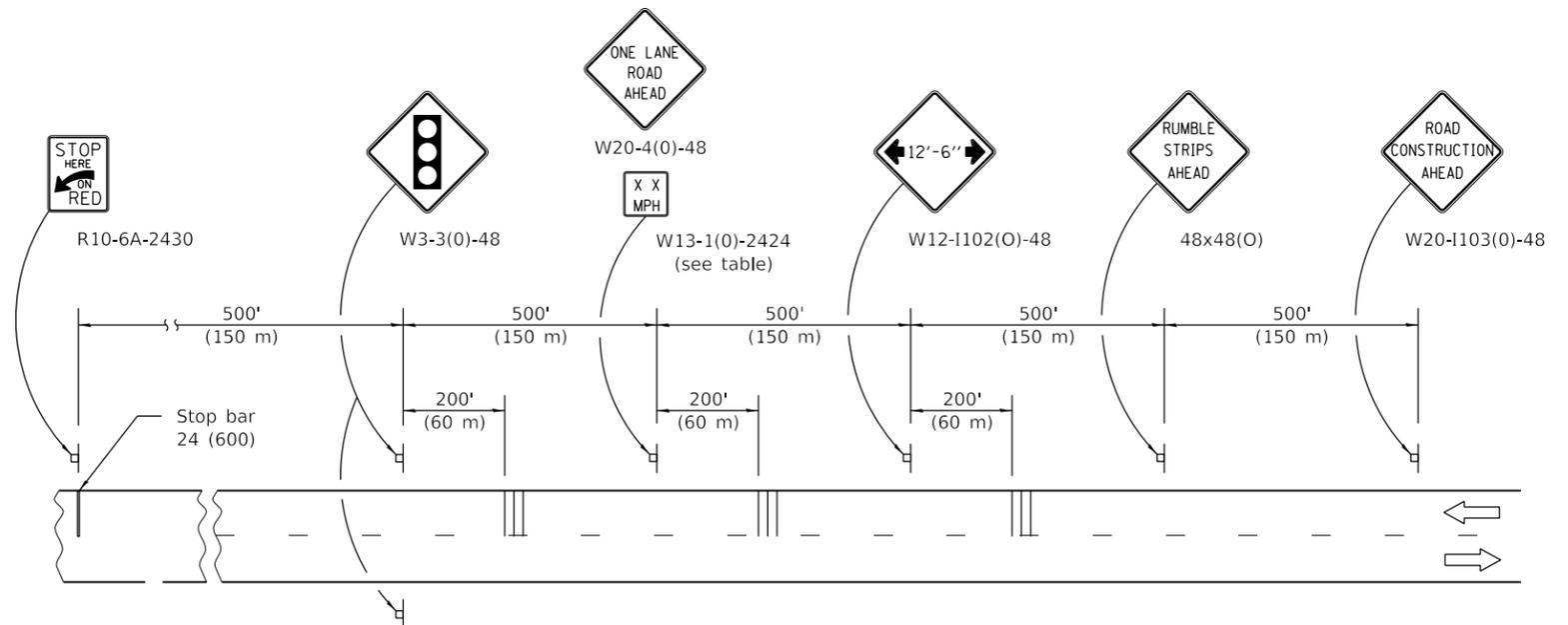
TYPICAL SECTION

FILE NAME =	USER NAME = woodyerjp	DESIGNED - JW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwidot\woodyerjp\d0561416\66J45-cover.dgn		DRAWN - JW	REVISED -					553	(125-BR)BP	DEKALB	13	5
\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED - RW	REVISED -		CONTRACT NO. 66J45							
	PLOT DATE = 7/26/2018	DATE - 05/23/2018	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT

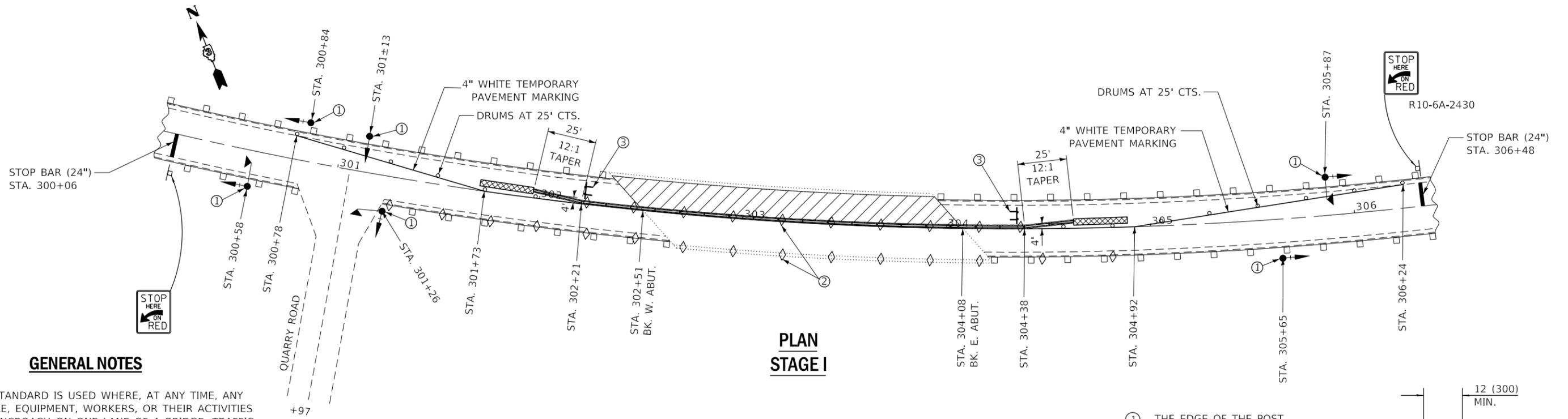


SYMBOLS

- SIGN
- TEMPORARY RUMBLE STRIP (SEE DETAIL & SPECIAL PROVISION)
- DRUM
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT



FILE NAME =	USER NAME = woodyerjp	DESIGNED - JW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADVANCE SIGNING FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwidot\woodyerjp\d0561416\66J45-cover.dgn	DRAWN - JW	REVISED -	553			(125-BR)BP	DEKALB	13	6		
\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED - RW	REVISED -			CONTRACT NO. 66J45					
	PLOT DATE = 7/26/2018	DATE - 05/23/2018	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET 1 OF 1 SHEETS		STA.	TO STA.		



GENERAL NOTES

THIS STANDARD IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCOACH ON ONE LANE OF A BRIDGE. TRAFFIC SIGNALS AND A POSITIVE BARRIER ARE REQUIRED.

TRAFFIC SIGNALS SHALL BE OPERATIONAL ONLY WHEN ALL TRAFFIC CONTROLS ARE IN PLACE. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701201 OR 701206.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STOP BAR TO STOP BAR.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TEMPORARY PAVEMENT MARKING AS SHOWN ON THIS DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD.

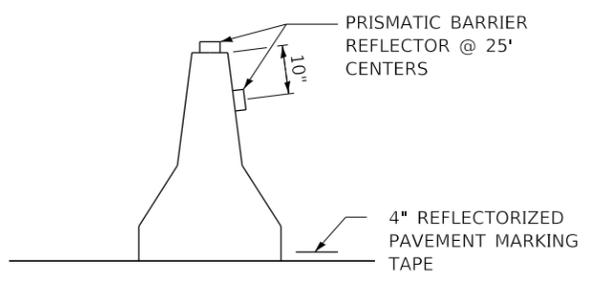
THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

TRAFFIC SIGNAL SEQUENCE						
PHASE	A			B		
INTERVAL	1	2	3	4	5	6
NORTHBOUND OR EASTBOUND	G	Y	R	R	R	R
SOUTHBOUND OR WESTBOUND	R	R	R	G	Y	R

TEMPORARY CONCRETE BARRIER	
NORMAL POSTED SPEED	TAPER RATIO
40 mph AND ABOVE	12:1
BELOW 40 mph	8:1

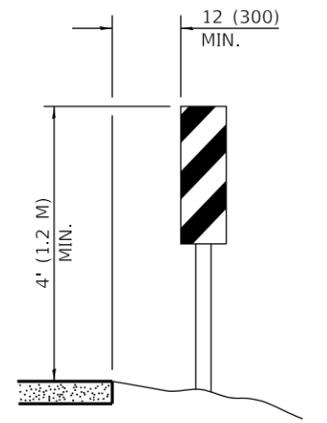
ADVISORY SPEED LIMIT	
NORMAL POSTED SPEED	ADVISORY SPEED
55 - 45 mph	40 mph
40 mph	35 mph
35 - 30 mph	30 mph

PLAN STAGE I

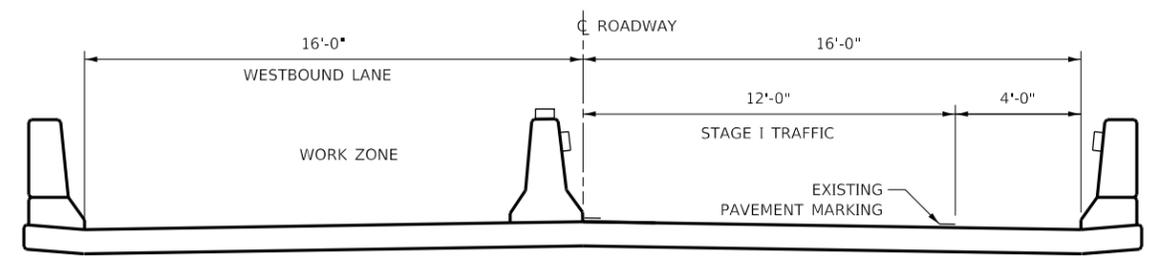


TEMPORARY CONCRETE BARRIER WALL DETAILS

- ① THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24 (610) AND 6' (1.8 M) FROM EDGE OF SHOULDER.
- ② GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M) CTS. SEE STANDARDS 704001 & 782006.
- ③ TYPE III BARRICADE TO BE PLACED WHEN NO WORK IS BEING PERFORMED.

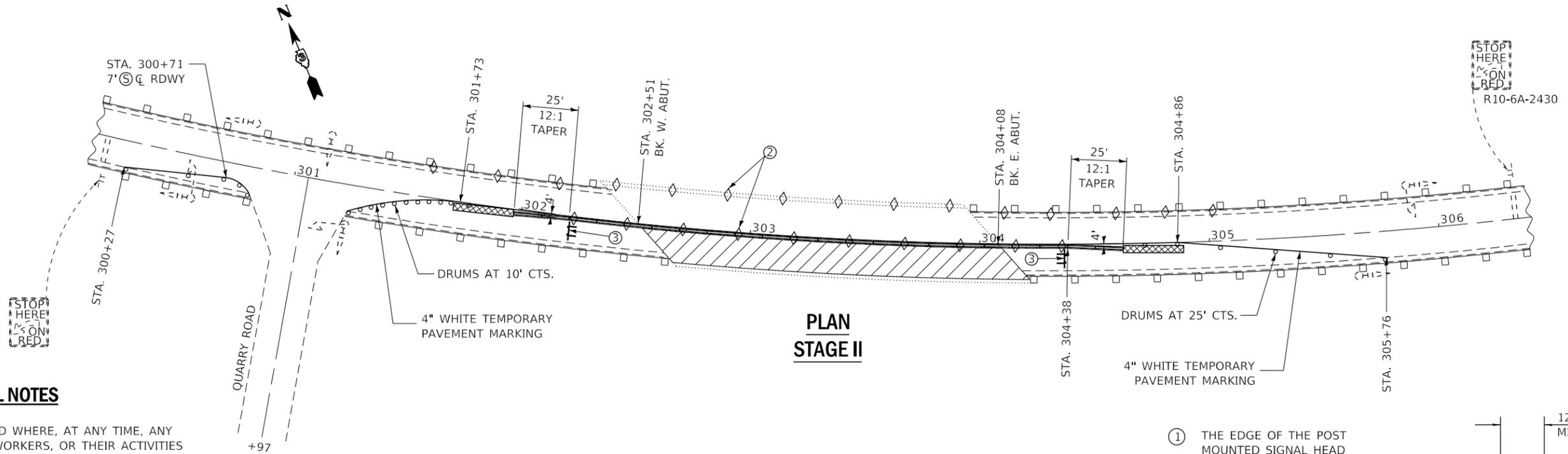


VERTICAL PANELS
(POST MOUNTED, ONE EACH SIDE)



CROSS SECTION STAGE I
LOOKING EAST

- SYMBOLS**
- WORK AREA
 - SIGN
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TRAFFIC SIGNAL WITH BACKPLATE
 - TEMPORARY IMPACT ATTENUATOR (NARROW)
 - MICROWAVE DETECTOR
 - DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT (TAPERS)
 - DRUM (TANGENTS)
 - TEMPORARY CONCRETE BARRIER
 - CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR



GENERAL NOTES

THIS STANDARD IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OF A BRIDGE. TRAFFIC SIGNALS AND A POSITIVE BARRIER ARE REQUIRED.

TRAFFIC SIGNALS SHALL BE OPERATIONAL ONLY WHEN ALL TRAFFIC CONTROLS ARE IN PLACE. WHEN TRAFFIC SIGNALS ARE NOT IN OPERATION, FLAGGERS SHALL BE USED AND TRAFFIC CONTROL SHALL CONFORM TO STANDARD 701201 OR 701206.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STOP BAR TO STOP BAR.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TEMPORARY PAVEMENT MARKING AS SHOWN ON THIS DETAIL, SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STANDARD.

THE ARROW ON THE BACKSIDE OF THE DIRECTIONAL INDICATOR BARRICADES MUST BE COVERED OR REMOVED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL STANDARD.

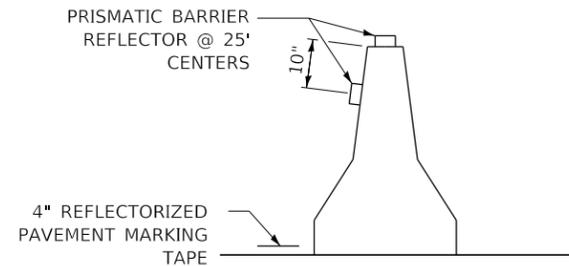
TRAFFIC SIGNAL SEQUENCE						
PHASE	A			B		
INTERVAL	1	2	3	4	5	6
NORTHBOUND OR EASTBOUND	G	Y	R	R	R	R
SOUTHBOUND OR WESTBOUND	R	R	R	G	Y	R

TEMPORARY CONCRETE BARRIER	
NORMAL POSTED SPEED	TAPER RATIO
40 mph AND ABOVE	12:1
BELOW 40 mph	8:1

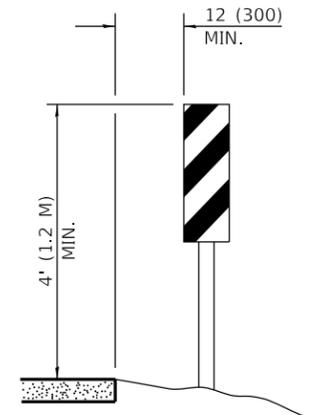
ADVISORY SPEED LIMIT	
NORMAL POSTED SPEED	ADVISORY SPEED
55 - 45 mph	40 mph
40 mph	35 mph
35 - 30 mph	30 mph

PLAN STAGE II

TEMPORARY CONCRETE BARRIER WALL DETAILS



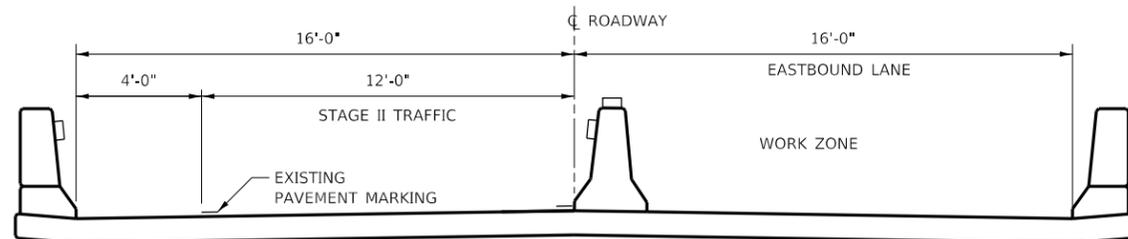
- ① THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24 (610) AND 6' (1.8 M) FROM EDGE OF SHOULDER.
- ② GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M) CTS. SEE STANDARDS 704001 & 782006.
- ③ TYPE III BARRICADE TO BE PLACED WHEN NO WORK IS BEING PERFORMED.



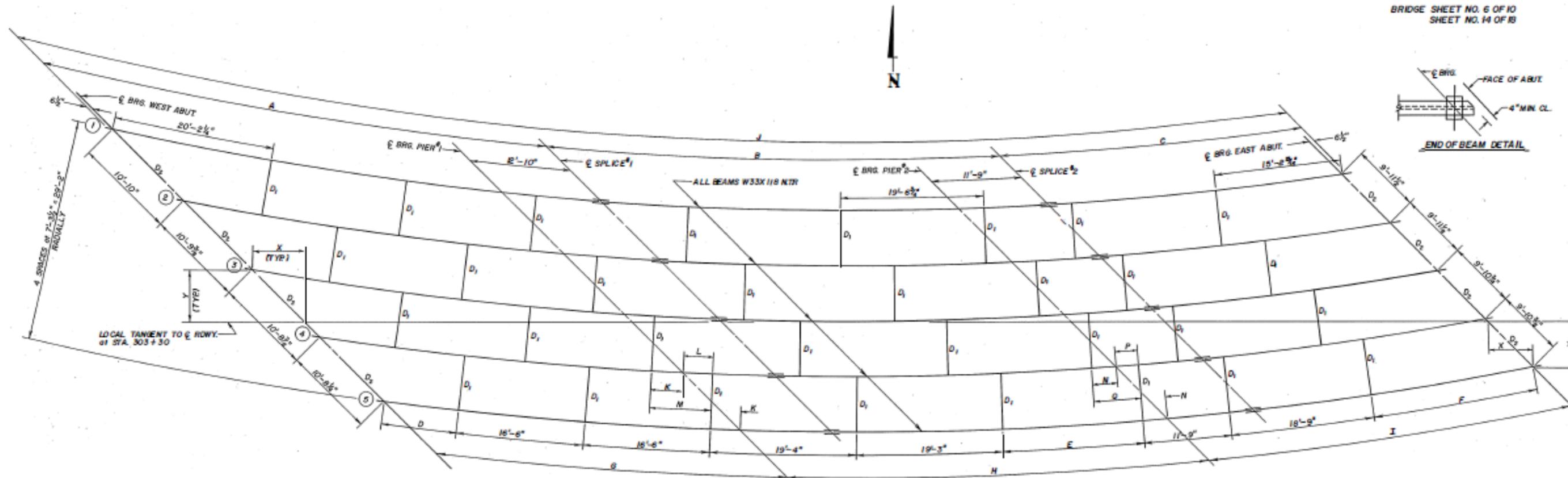
VERTICAL PANELS
(POST MOUNTED, ONE EACH SIDE)

SYMBOLS

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TRAFFIC SIGNAL WITH BACKPLATE INSTALLED FOR STAGE I
- TEMPORARY IMPACT ATTENUATOR (NARROW)
- MICROWAVE DETECTOR INSTALLED FOR STAGE I
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT (TAPERS)
- DRUM (TANGENTS)
- TEMPORARY CONCRETE BARRIER
- CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR



CROSS SECTION STAGE II
LOOKING EAST



PLAN
N.T.R. INDICATES NOTCH TOUGHNESS REQUIREMENTS

NOTE: ALL INTERIOR DIAPHRAGMS ARE PLACE RADIALLY

DIMENSION	BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5
A	63'-3 1/2"	63'-1 1/2"	62'-10 1/2"	62'-8"	62'-5 3/4"
B	57'-3 3/4"	57'-0 3/4"	56'-10"	56'-7 3/4"	56'-4 3/4"
C	38'-7 3/4"	38'-5 1/2"	38'-3 1/2"	38'-1 1/2"	37'-1 1/2"
D		12'-10 3/4"	12'-8 3/4"	12'-6 1/2"	12'-4 1/2"
E		19'-9 3/4"	19'-6 3/4"	19'-4"	19'-1 1/2"
F		22'-9"	22'-6 3/4"	22'-4 3/4"	22'-2 1/2"
G	49'-11 1/2"	49'-8 3/4"	49'-6"	49'-3 1/2"	49'-1 1/2"
H	58'-4 3/4"	58'-1 3/4"	57'-11"	57'-8 3/4"	57'-5 3/4"
I	49'-10 1/4"	49'-8 1/4"	49'-6"	49'-4"	49'-2 1/2"
J	159'-2 3/4"	158'-7 1/4"	158'-0"	157'-4 3/4"	156'-10 1/4"

	04 FT SP 1 or 3	PIER 1 or 2	05 FT SP 2
I (in ⁴)	5900	5900	5900
S (in ³)	359	359	359
Q (K/FT)	1187	1187	1187
M _Q (FT-K)	215	348	157
f _s Q (KSI)	719	1163	525
M _Q (FT-K)	329	281	317
IMP (FT-K)	94	79	85
M _Q + I (FT-K)	423	360	402
f _s Q + I (KSI)	1414	1203	1344
f _s TOTAL (KSI)	2133	2367	1869

	ABUT.	PIER
R _Q (K)	22.4	70.7
R _L (K)	36.8	44.9
IMP (K)	10.5	12.6
R TOTAL (K)	69.7	128.2

I AND S ARE THE MOMENT OF INERTIA AND SECTION MODULUS OF THE STEEL SECTION USED IN COMPUTING Q TOTAL.

LOCATION	1	2	3	4	5
℄ BRG. WEST ABUT.	765.78	766.33	766.89	767.44	767.99
℄ BRG. PIER #1	766.16	766.70	767.24	767.78	768.32
℄ SPLICE #1	766.26	766.80	767.34	767.87	768.41
℄ BRG. PIER #2	766.59	767.12	767.64	768.16	768.69
℄ SPLICE #2	766.66	767.19	767.71	768.23	768.75
℄ BRG. EAST ABUT.	766.93	767.45	767.97	768.48	769.00

* PRIOR TO Q DEFLECTION - FOR FABRICATION ONLY

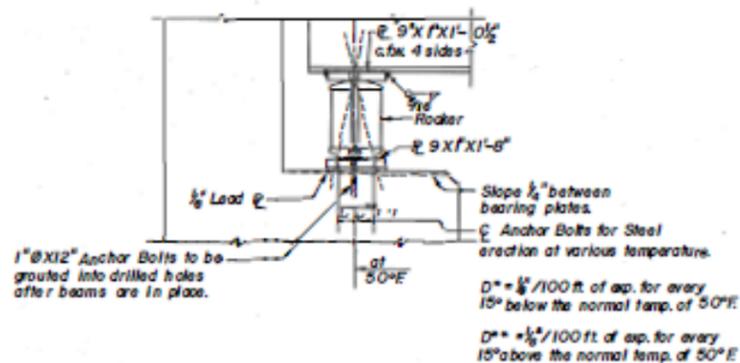
DIMENSION	BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5
PIER No.1					
K		3'-9 3/4"	3'-9 3/4"	3'-9"	3'-8 3/4"
L	3'-9 1/2"	3'-9 1/2"	3'-8 3/4"	3'-8 3/4"	
M		7'-6 3/4"	7'-6 3/4"	7'-5 1/2"	
PIER No.2					
N		3'-7"	3'-6 3/4"	3'-6 3/4"	3'-6"
P	3'-6 3/4"	3'-6 3/4"	3'-6 3/4"	3'-6 3/4"	
Q		7'-1 1/2"	7'-0 3/4"	7'-0 3/4"	

BEAM	℄ BRG. W. ABUT.		℄ BRG. PIER #1		℄ SPLICE #1		℄ BRG. PIER #2		℄ SPLICE #2		℄ BRG. E. ABUT.	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
1	16.8985'	16.8985'	15.067'	15.067'	14.8357'	14.8357'	14.6358'	14.6358'	14.7968'	14.7968'	15.6735'	15.6735'
2	9.2373'	9.2373'	7.6377'	7.6377'	7.4367'	7.4367'	7.4145'	7.4145'	7.2876'	7.2876'	8.6307'	8.6307'
3	1.6111'	1.6111'	0.2195'	0.2195'	0.0681'	0.0681'	0.2195'	0.2195'	0.4338'	0.4338'	1.6111'	1.6111'
4	5.9808'	5.9808'	7.1687'	7.1687'	7.2716'	7.2716'	6.9497'	6.9497'	6.6949'	6.6949'	5.3858'	5.3858'
5	13.5393'	13.5393'	14.5276'	14.5276'	14.5828'	14.5828'	14.0936'	14.0936'	13.7990'	13.7990'	12.3604'	12.3604'

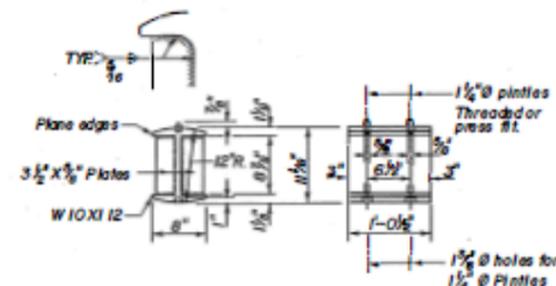
BEAM 1	BEAM 2	BEAM 3	BEAM 4	BEAM 5
1895.50'	1902.79'	1910.08'	1917.37'	1924.66'

STRUCTURAL STEEL
FA. RTE. 553
OVER OWENS CREEK
SEC. 125 BR
DEKALB COUNTY
STA. 303 +30

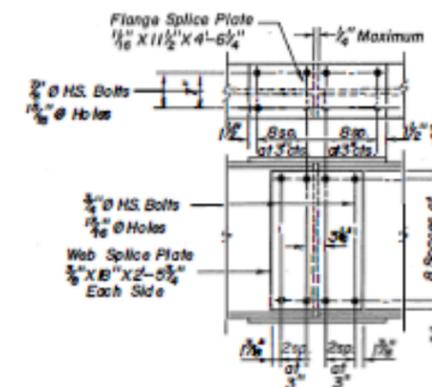
FOR INFORMATION ONLY



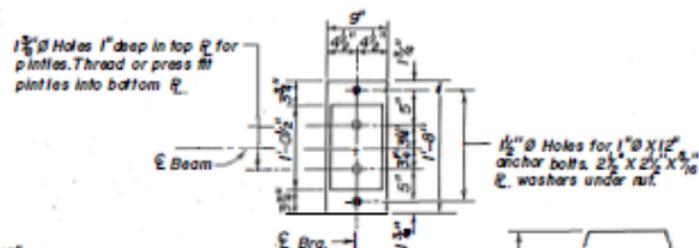
SECTION AT ABUTMENT



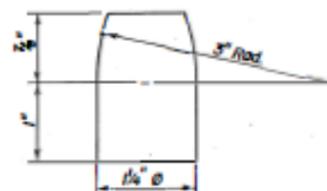
DETAIL OF ROCKER AT ABUTMENTS



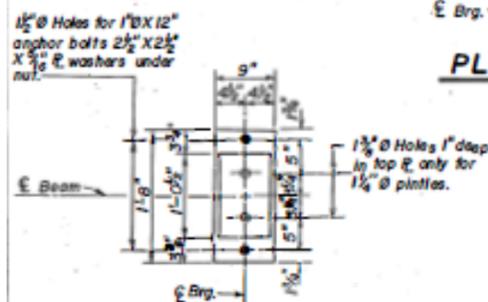
DETAIL OF SPLICE



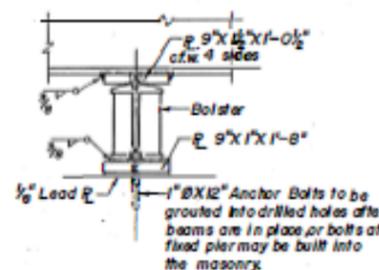
PLAN



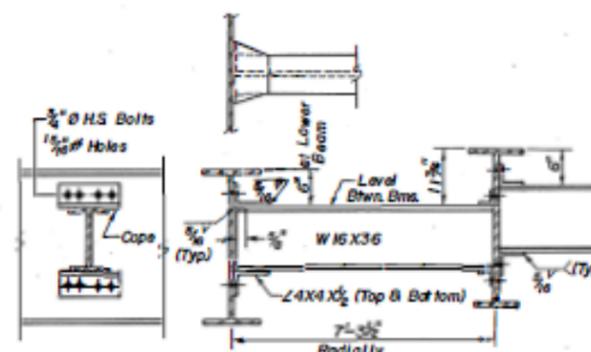
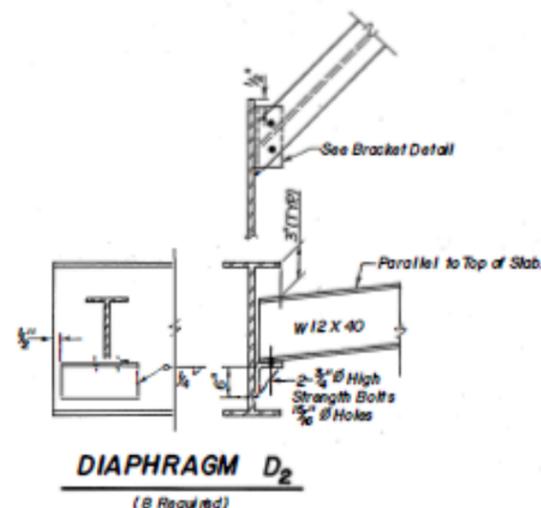
DETAIL OF PINTLE



PLAN PIER BRG.



SECTION AT PIERS

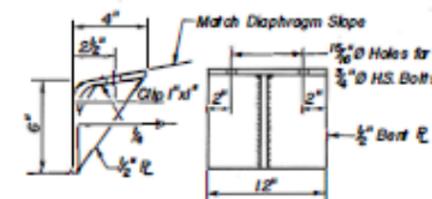


DIAPHRAGM D₁

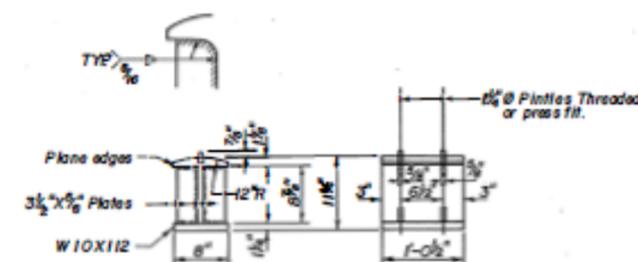
NOTE: All contact surfaces of joints for the diaphragms shall be free of paint or loquet.

NOTE: Hardened washers shall be required over 1 1/2" @ holes for diaphragm connections (2 per bolt)

NOTE: N.T.R. indicates Notch Toughness requirements.



BRACKET DETAIL

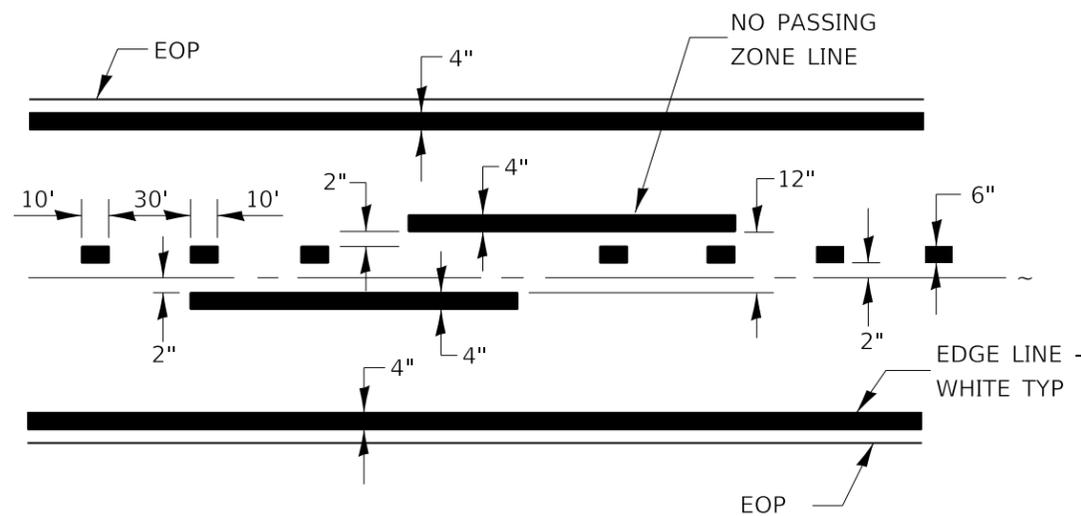


DETAIL OF BOLSTER AT PIERS

STRUCTURAL STEEL DETAILS
FA ROUTE 553
OVER OWENS CREEK
SECTION 125 BR
DEKALB COUNTY
STA. 303 + 30

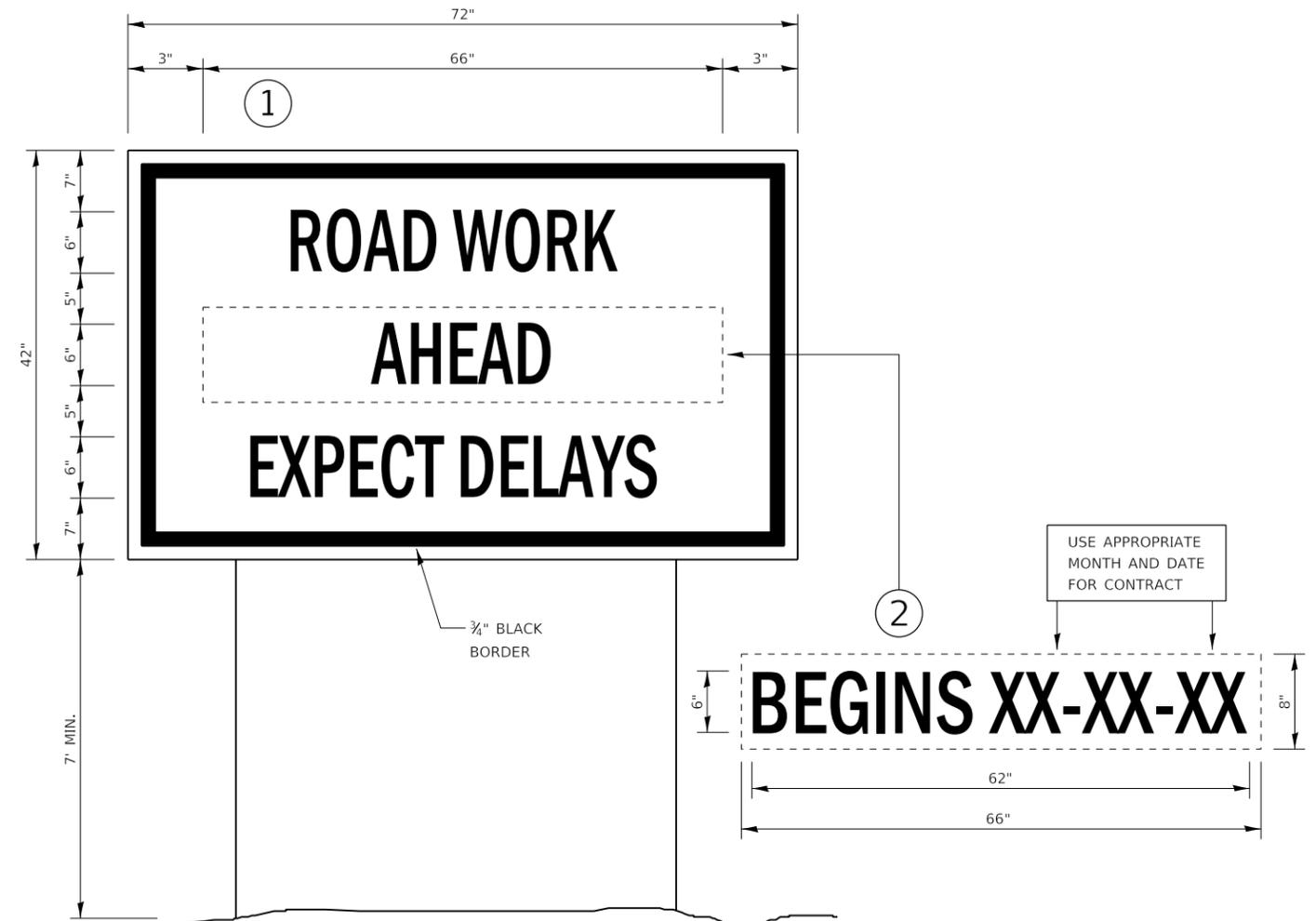
FOR INFORMATION ONLY

FILE NAME =	USER NAME = woodyerp	DESIGNED - JW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE DETAILS FOR INFORMATION ONLY			F.A.P. RTE. 553	SECTION (125-BR)BP	COUNTY DEKALB	TOTAL SHEETS 13	SHEET NO. 12
ct:\pw_work\pwidott\woodyerp\0561416\66J45-cover.dgn	PLOT SCALE = 100.0000 / in.	CHECKED - RW	REVISED -		SCALE:	SHEET 4	OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 66J45		
SMODELNAMES	PLOT DATE = 7/25/2018	DATE - 05/23/2018	REVISED -		ILLINOIS			FED. AID PROJECT				



CENTERLINE & NO PASSING ZONE LINES - YELLOW

PAVEMENT MARKING



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. 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.

FILE NAME =	USER NAME = woodyerjp	DESIGNED - JW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwidot\woodyerjp\d0561416\66J45-cover.dgn	DRAWN - JW	REVISED -	553					(125-BR)BP	DEKALB	13	13	
\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED - RW	REVISED -		CONTRACT NO. 66J45							
	PLOT DATE = 7/25/2018	DATE - 05/23/2018	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT