

037

01-17-2020 LETTING ITEM 037

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED  
HIGHWAY PLANS

F.A.P. ROUTE 573 (US 30) & F.A.P. ROUTE 553 (IL 72)  
SECTION (116R-2BR-1, 125BR-2)BP

PROJECT STP-FW77(564)  
BRIDGE PAINTING  
DEKALB COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHIFT NO.
573 & 553	116R-2BR-1, 125BR-2)BP	DEKALB	17	1
CONTRACT NO. 66K37				

INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES
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- 6. SCHEDULES
- 7. TRAFFIC CONTROL AND PROTECTION, STANDARD 701321, ADVANCED SIGNING
- 8. TRAFFIC CONTROL AND PROTECTION, STANDARD 701121, FOR LOCATION NO. 1, STRUCTURE NO. 019-0036
- 9. TRAFFIC CONTROL AND PROTECTION, STANDARD 701321, FOR LOCATION NO. 1, STRUCTURE NO. 019-0037
- 10 - 13. EXISTING STRUCTURE PLANS FOR LOCATION NO. 1, STRUCTURE NO. 019-0036
- 14 - 16. EXISTING STRUCTURE PLANS FOR LOCATION NO. 2, STRUCTURE NO. 019-0037
- 17. MISCELLANEOUS 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  $\geq$  45 MPH
- 701206-05 LANE CLOSURE 2L, 2W, NIGHT ONLY, FOR SPEEDS  $\geq$  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
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

D-93-103-19

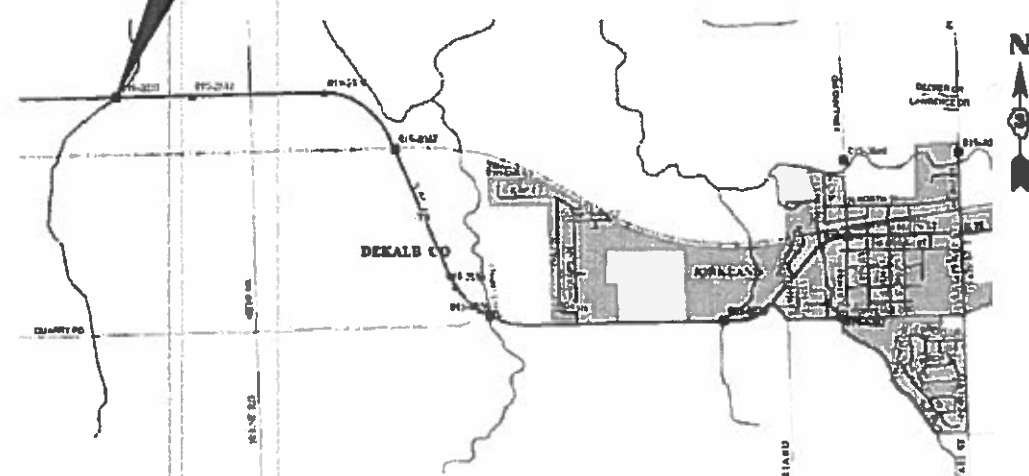


LOCATION OF SECTION INDICATED THIS: - [shaded box] -

FUNCTIONAL CLASSIFICATION

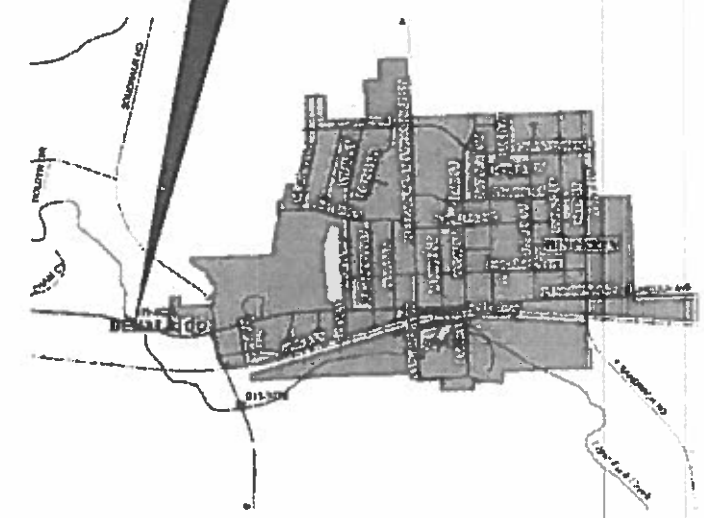
RURAL	RURAL
MINOR ARTERIAL	MINOR ARTERIAL
F.A.P. ROUTE 573 (US 30)	F.A.P. ROUTE 553 (IL 72)
2017 ADT = 3150	2017 ADT = 1900
P.V. 82.7%	P.V. 81.9%
S.U. 6.6%	S.U. 6.3%
M.U. 10.7%	M.U. 11.8%

PROJECT LOCATION NO. 2  
STRUCTURE NO. 019-0037  
FAP 553 (IL 72) OVER DRAINAGE DITCH  
3.0 MI. NORTHWEST OF KIRKLAND



LOCATION NO. 2  
GROSS LENGTH = 55 FT. = 0.01 MILE  
NET LENGTH = 55 FT. = 0.01 MILE

PROJECT LOCATION NO. 1  
STRUCTURE NO. 019-0036  
FAP 573 (US 30) OVER LITTLE ROCK CREEK  
0.5 MI. WEST OF HINCKLEY



LOCATION NO. 1  
GROSS LENGTH = 137 FT. = 0.03 MILE  
NET LENGTH = 137 FT. = 0.03 MILE



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. 66K37

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 17, 2019

*[Signature]*  
REGIONAL ENGINEER

*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

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.

STRUCTURE NO. 019-0036 SHALL BE DESIGNATED AS "LOCATION 1".

STRUCTURE NO. 019-0037 SHALL BE DESIGNATED AS "LOCATION 2".

THE SSPC-OP1 "PAINTING CONTRACTOR CERTIFICATION" WILL BE REQUIRED FOR THIS PROJECT.

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/GIRDERS, DIAPHRAGMS, CROSS/LATERAL FRAMING, STEEL COMPONENTS OF BEARINGS, DRAINS, ANGLE BRACKETS, STEEL HANDRAILS (WHEN PRESENT) SHALL BE CLEANED PER THE REQUIREMENTS OF "NEAR WHITE BLAST CLEANING - SSPC-SP-10".
- b) ALL EXISTING STRUCTURAL STEEL, (INCLUDING BEAMS/GIRDERS, DIAPHRAGMS, CROSS/LATERAL FRAMING, STEEL COMPONENTS OF BEARINGS, DRAINS, ANGLE BRACKETS, STEEL HANDRAILS (WHEN PRESENT) SHALL BE CLEANED PER THE REQUIREMENTS 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".

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 RESIDUES HAS REMOVED THE WASTE MATERIAL FROM THE JOB SITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES. IF THE LISCENSED CONTRACTOR OR SUBCONTRACTOR FAILS TO DISPOSE OF THE NON-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: *Don Bernick*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 10-16-19

EXAMINED BY: *Kyle Videman*  
DISTRICT CONSTRUCTION ENGINEER

*Michael Asher*  
DISTRICT MATERIALS ENGINEER

*Tom Gray*  
DISTRICT OPERATIONS ENGINEER

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.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K37	

CONSTRUCTION CODE
BRIDGE PAINTING
80% FED 20% STATE
BRIDGE
0047
RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2
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	2	2
70400100	TEMPORARY CONCRETE BARRIER	FOOT	500	500
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	4	4
* 78008230	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	FOOT	320	320
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	160	160
X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1
X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1	1
Z0007114	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES	L SUM	1	1

\*= SPECIALTY ITEM

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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

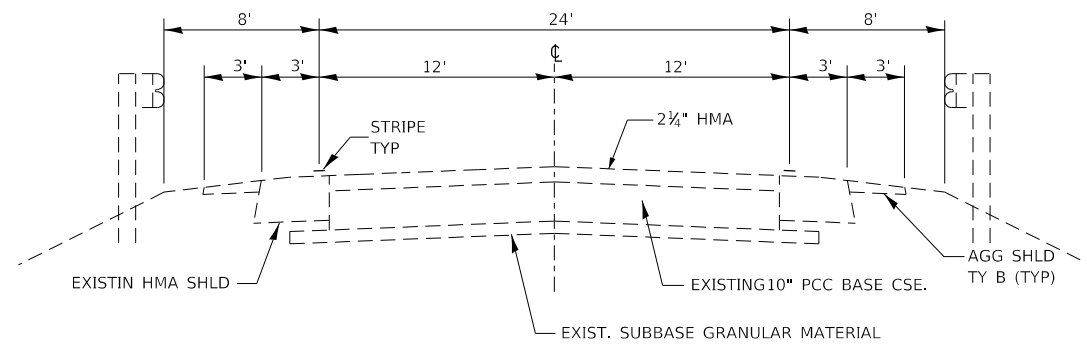
<b>SUMMARY OF QUANTITIES</b>	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 573 & 553	SECTION (116R-2BR-1, 125BR-2)BP	COUNTY DEKALB	TOTAL SHEETS 17	SHEET NO. 3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K37	

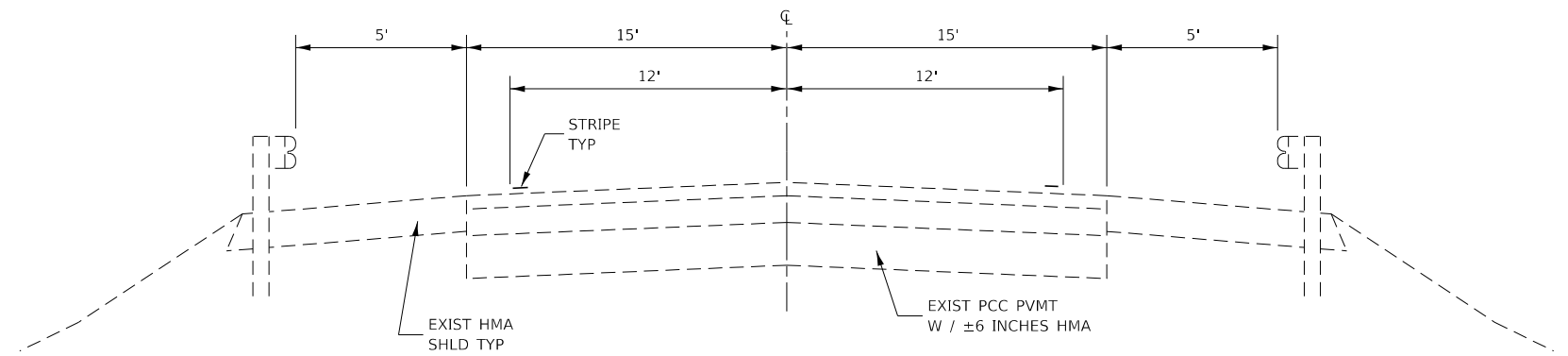
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
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				80% FED	20% STATE
				BRIDGE	
				0047	
				RURAL	
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1		1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	84		84

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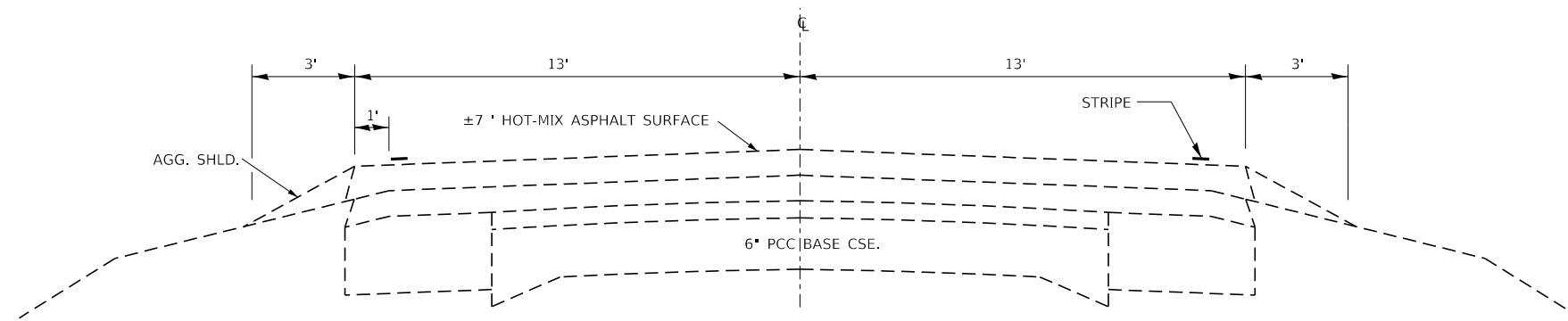
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PLOT DATE = 10/9/2019	DATE -	REVISED -		ILLINOIS    FED. AID PROJECT								



**TYPICAL SECTION NO. 1**  
**LOCATION NO. 1**  
**FAP 573 (US 30)**  
**WEST END OF STRUCTURE**  
**STRUCTURE NO. 019-0036**



**TYPICAL SECTION NO. 2**  
**LOCATION NO. 1**  
**FAP 573 (US 30)**  
**EAST END OF STRUCTURE**  
**STRUCTURE NO. 019-0136**



**TYPICAL SECTION NO. 3**  
**LOCATION NO. 2**  
**FAP 553 (IL 72)**  
**STRUCTURE NO. 019-00137**

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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	5
CONTRACT NO. 66K37				
ILLINOIS FED. AID PROJECT				

SCHEDULE - TRAFFIC CONTROL  
LOCATION NO. 1 - STRUCTURE NO. 019-0036

LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	TEMPORARY BRIDGE TRAFFIC SIGNALS	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY INFORMATION SIGNING
	FOOT	FOOT	EACH	EACH	EACH	SQ FT
STAGE I	287		1	2		42
STAGE II		287			2	
<b>TOTAL</b>	<b>287</b>	<b>287</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>42</b>

SCHEDULE - PAVEMENT MARKING  
STRUCTURE NO. 019-0036

LOCATION	PAVEMENT MARKING REMOVAL WATER BLASTING	POLYUREA PAVEMENT MARKING TYPE 1 LINE 6"
	SQ FT	FOOT
STAGE I	90	
STAGE II		180
<b>TOTAL</b>	<b>90</b>	<b>180</b>

SCHEDULE - TRAFFIC CONTROL  
LOCATION NO. 2 - STRUCTURE NO. 019-0037

LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	TEMPORARY BRIDGE TRAFFIC SIGNALS	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE) TEST LEVEL 3	TEMPORARY INFORMATION SIGNING
	FOOT	FOOT	EACH	EACH	EACH	SQ FT
STAGE I	213		1	2		42
STAGE II		213			2	
<b>TOTAL</b>	<b>213</b>	<b>213</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>42</b>

SCHEDULE - PAVEMENT MARKING  
STRUCTURE NO. 019-0037

LOCATION	PAVEMENT MARKING REMOVAL WATER BLASTING	POLYUREA PAVEMENT MARKING TYPE 1 LINE 6"
	SQ FT	FOOT
STAGE I	70	
STAGE II		140
<b>TOTAL</b>	<b>70</b>	<b>140</b>

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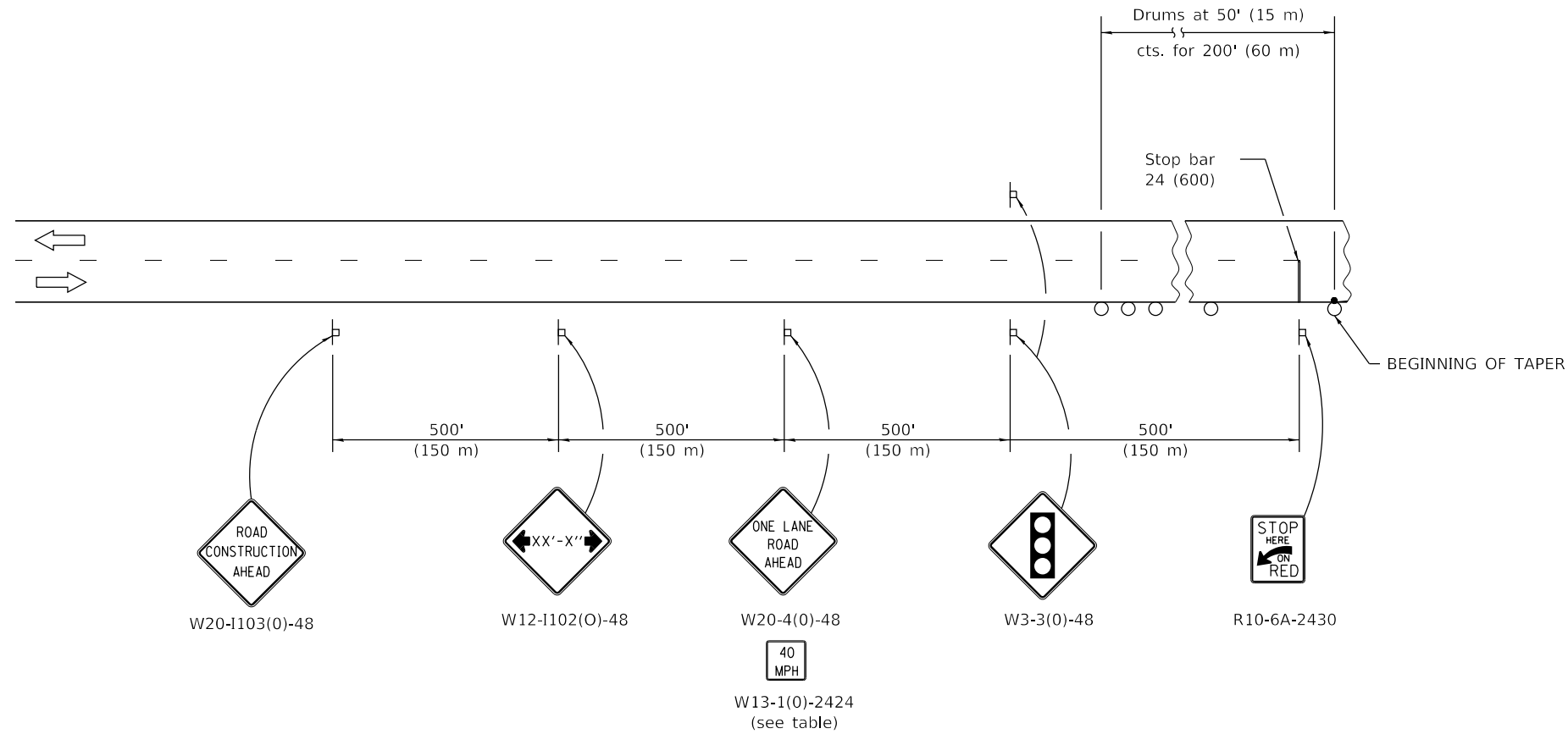
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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES**

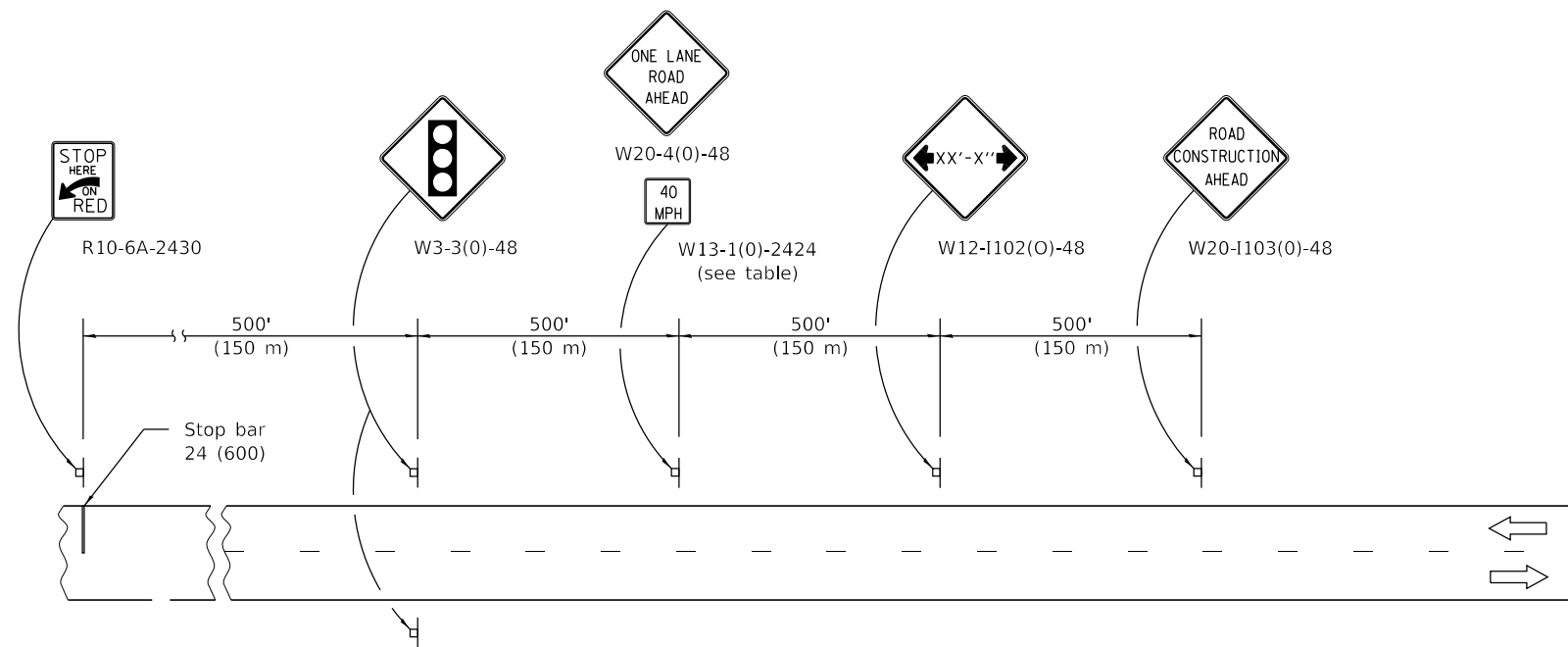
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	6
			CONTRACT NO. 66K37	
ILLINOIS FED. AID PROJECT				



**SYMBOLS**

- ▬ Sign
- Drum with steady burning bi-directional light



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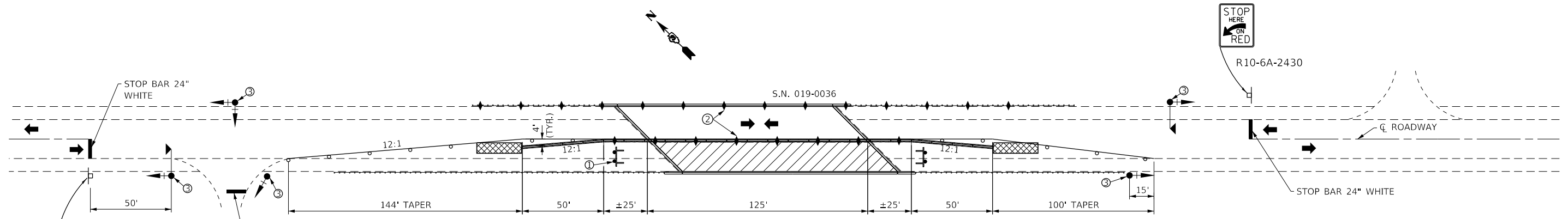
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

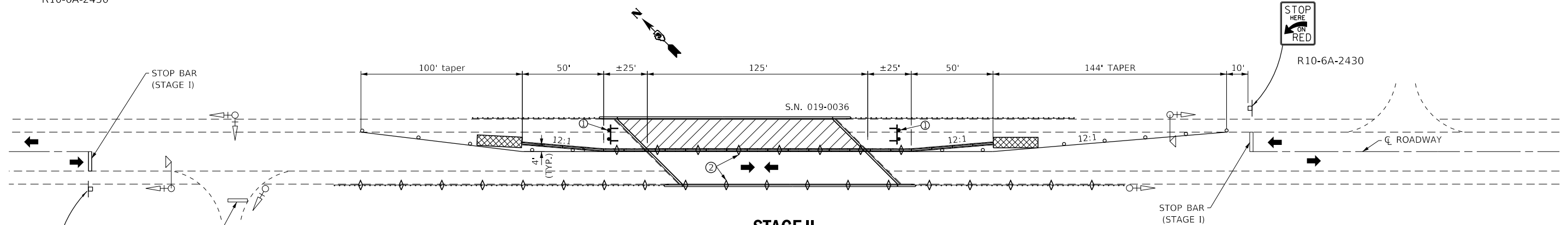
**TRAFFIC CONTROL AND PROTECTION, STANDARD 701321  
FOR LOCATION NO. 1 AND NO. 2  
STRUCTURE NO. 019-0036 & STRUCTURE NO. 019-0037**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	7
			CONTRACT NO. 66K37	
			ILLINOIS FED. AID PROJECT	



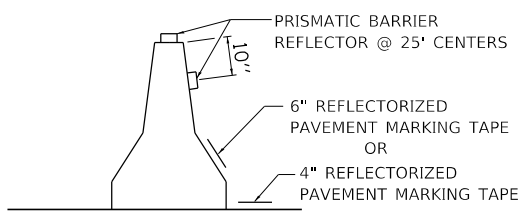
**STAGE I**  
FAP 573 (US 30)



**STAGE II**  
FAP 573 (US 30)

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



**TEMPORARY CONCRETE BARRIER WALL DETAILS**

**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.

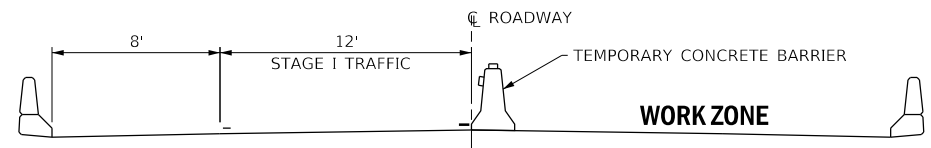
EXISTING OR TEMPORARY PAVEMENT MARKINGS SHALL BE ON BOTH SIDES OF OPEN LANE FROM STOP BAR TO STOP BAR.

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

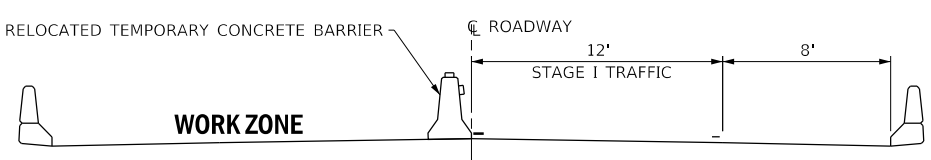
- ① TYPE III BARRICADE TO BE IN PLACE WHEN NO WORK IS BEING PERFORMED.
- ② GUARDRAIL/BARRIER WALL REFLECTORS AT 25' CTS. SEE STANDARDS 704001 AND 782006.
- ③ THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24 INCHES AND 6' FROM EDGE OF SHOULDER.

**SYMBOLS**

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- CRYSTAL, BI-DIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- TRAFFIC SIGNAL W/BACKPLATE
- MICROWAVE DETECTOR
- TRAFFIC SIGNAL (STAGE I INSTALLATION)
- MICROWAVE DETECTOR, STAGE I INSTALLATION



**STAGE I**  
LOOKING EAST



**STAGE II**  
LOOKING EAST

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USER NAME = woodshankr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/9/2019	DATE -	REVISED -

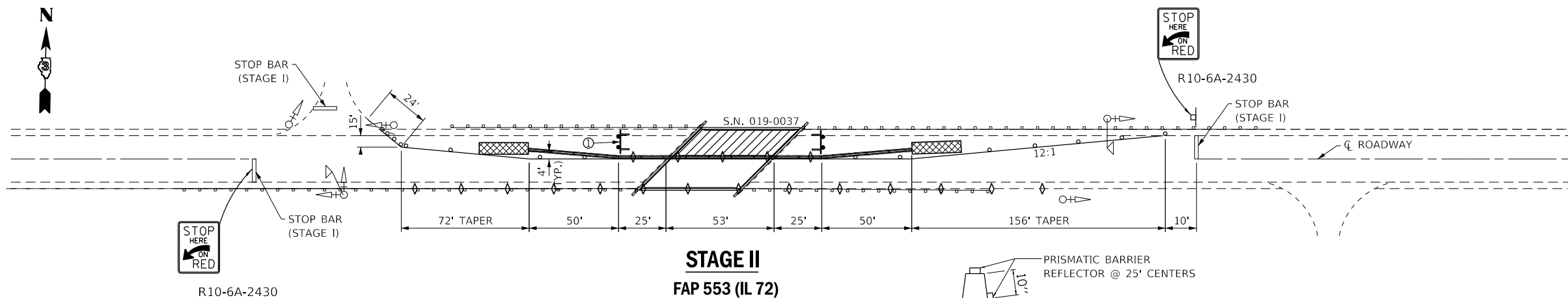
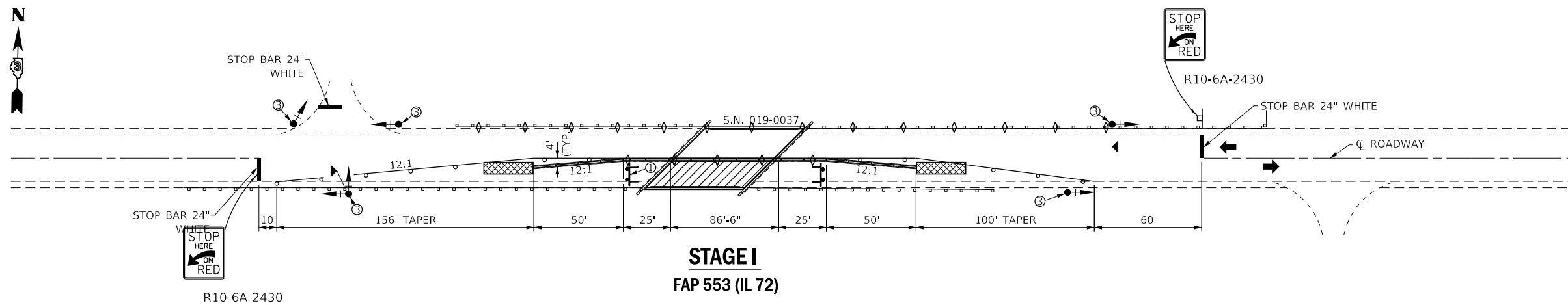
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION, STANDARD 701321**  
**FOR LOCATION NO. 1**  
**STRUCTURE NO. 019-0036**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	8
CONTRACT NO. 66K37			ILLINOIS FED. AID PROJECT	





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

**TEMPORARY CONCRETE BARRIER WALL DETAILS**

- TYPE III BARRICADE TO BE IN PLACE WHEN NO WORK IS BEING PERFORMED.
- GUARDRAIL/BARRIER WALL REFLECTORS AT 25' CTS. SEE STANDARDS 704001 AND 782006.
- THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24 INCHES AND 6' FROM EDGE OF SHOULDER.

**GENERAL NOTES**

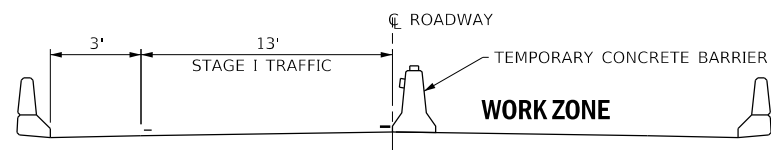
THIS STANDARD IS USED WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OF A BRIDGE. TRAFFIC SIGNALS AND A POSITIVE BARRIER ARE REQUIRED.

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.

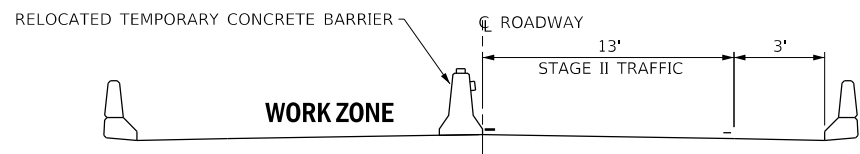
TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

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

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



**STAGE I**  
LOOKING EAST



**STAGE II**  
LOOKING EAST

**SYMBOLS**

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- CRYSTAL, BI-DIRECTIONAL BARRIER WALL/GUARDRAIL MARKER
- TRAFFIC SIGNAL W/BACKPLATE
- MICROWAVE DETECTOR
- TRAFFIC SIGNAL (STAGE I INSTALLATION)
- MICROWAVE DETECTOR, STAGE I INSTALLATION

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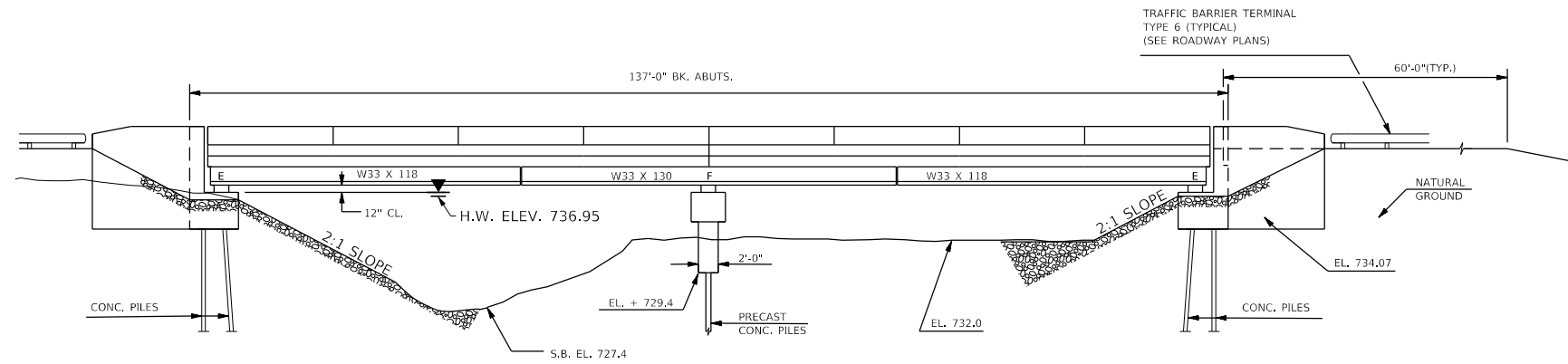
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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

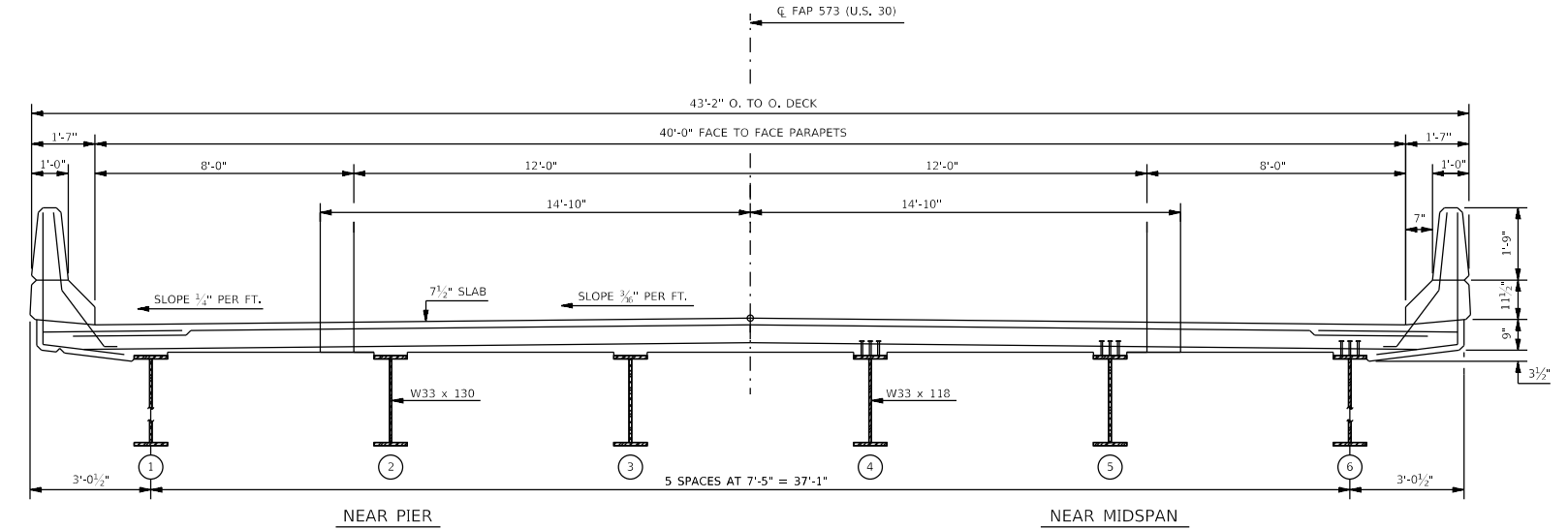
**TRAFFIC CONTROL AND PROTECTION, STANDARD 701321**  
**FOR LOCATION NO. 2**  
**STRUCTURE NO. 019-0037**

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

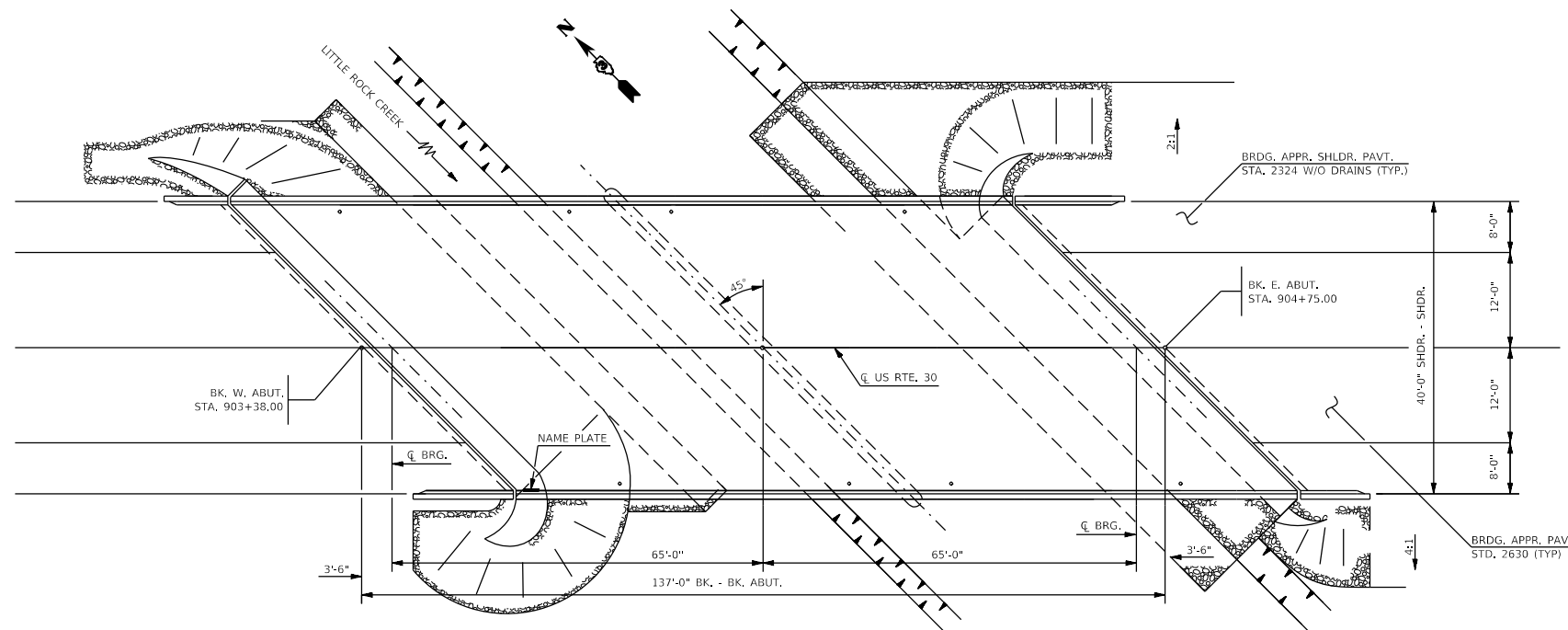
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	9
CONTRACT NO. 66K37				
ILLINOIS FED. AID PROJECT				



**ELEVATION**



**CROSS SECTION**



**PLAN**  
019-0036

**TOTAL BILL OF MATERIAL  
STRUCTURE NO. 019-0036**

ITEM	UNIT	SUPER	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES	L SUM	0.5	0.5
BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1

**FOR INFORMATION ONLY**

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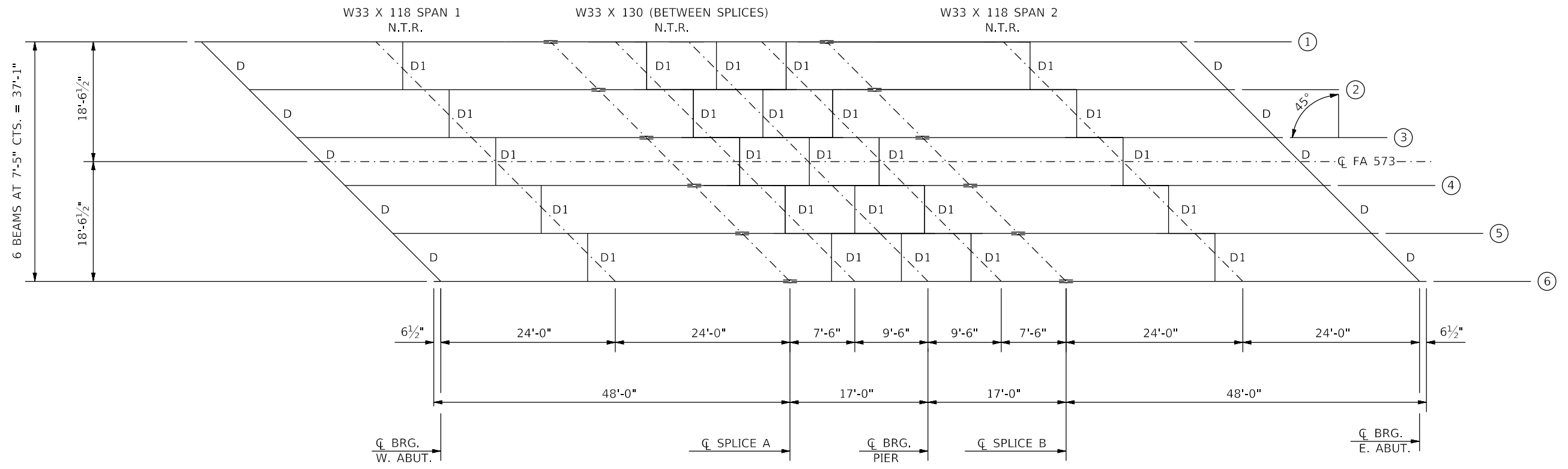
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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE PLANS FOR LOCATION NO. 1  
STRUCTURE NO. 019-0036  
GENERAL PLAN AND ELEVATION**

SCALE: SHEET 1 OF 4 SHEETS STA. 903+38 TO STA. 904+75

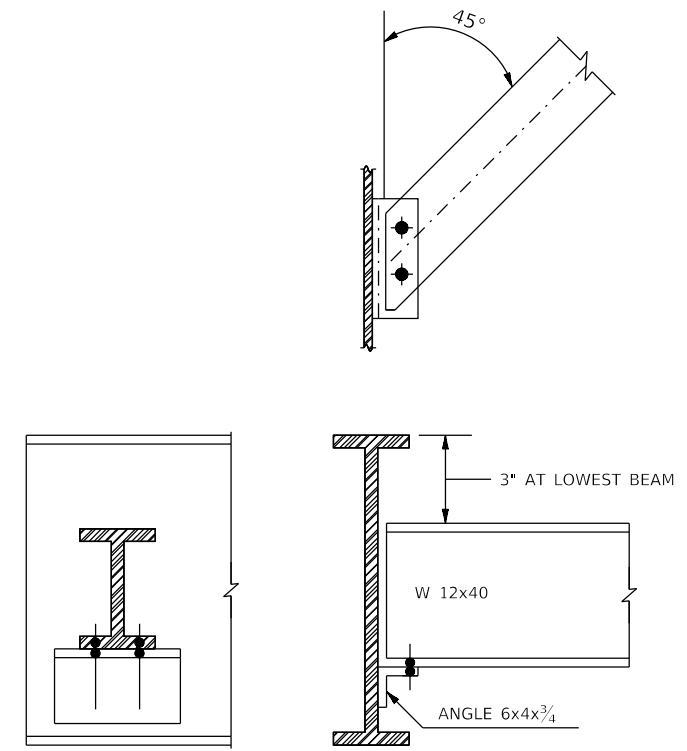
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 66K37
				ILLINOIS FED. AID PROJECT



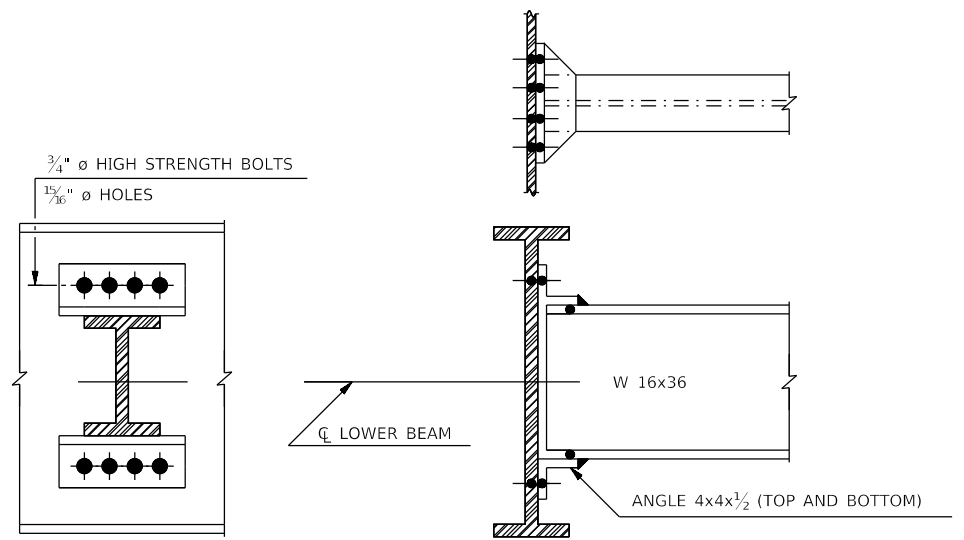
NOTE: N.T.R. INDICATES NOTCH TOUGHNESS REQUIREMENT.

### FRAMING PLAN

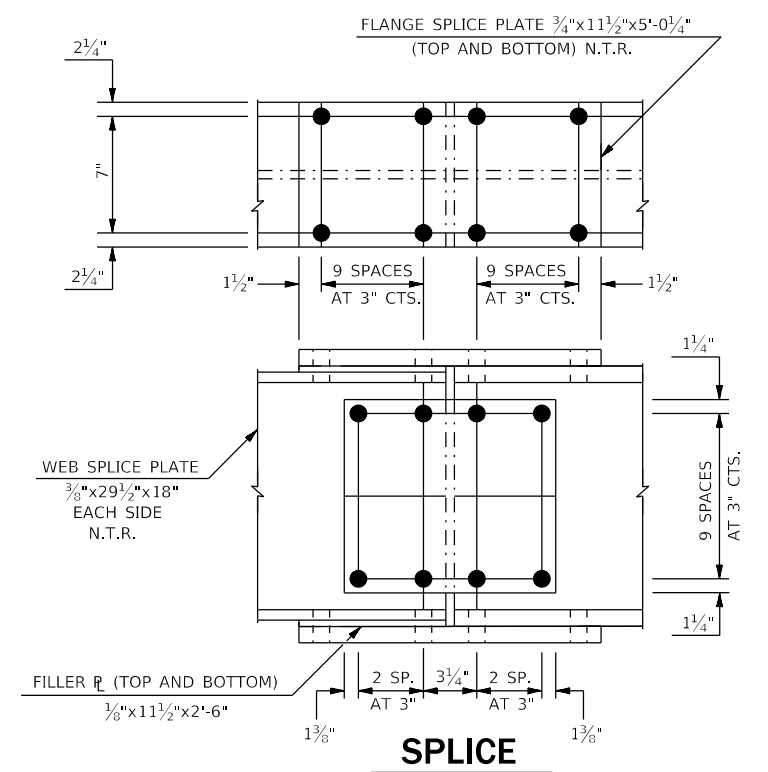
ALL BEAMS & SPLICE MATERIAL SHALL BE M223, GR. 50 STRUCTURAL STEEL



**DIAPHRAGM D**  
10 REQUIRED



**DIAPHRAGM D1**  
25 REQUIRED



**SPLICE**

FOR INFORMATION ONLY

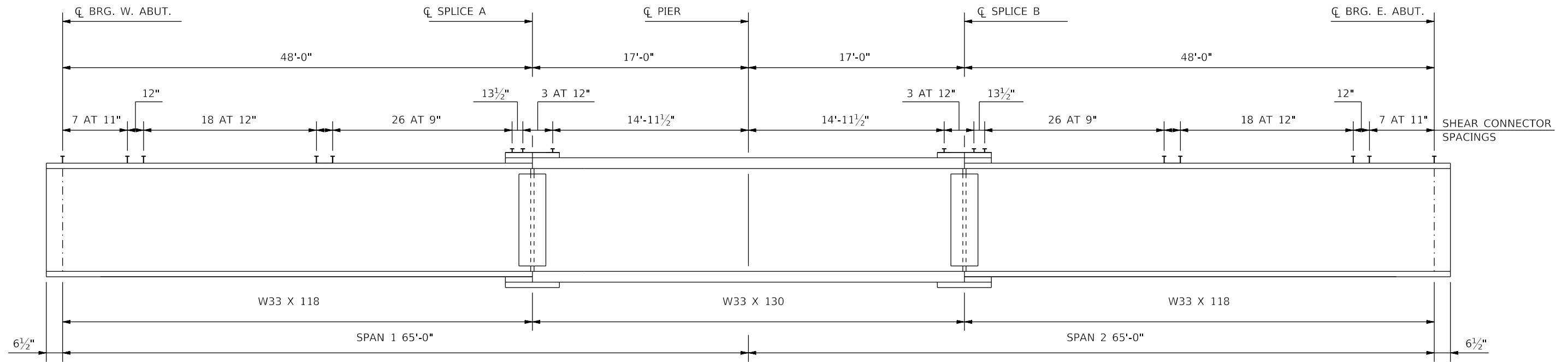
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DESIGNED: -  
REVISED: -  
DRAWN: -  
REVISED: -  
USER NAME: woodshankr1

USER NAME = woodshankr1	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/9/2019	DATE -	REVISED -

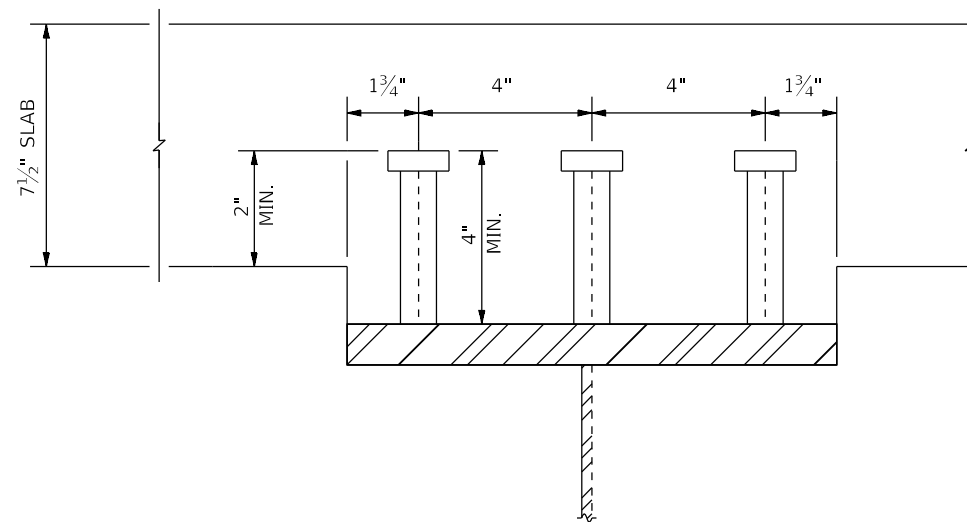
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS FOR LOCATION NO. 1  
STRUCTURE NO. 019-0036  
STRUCTURAL STEEL DETAILS

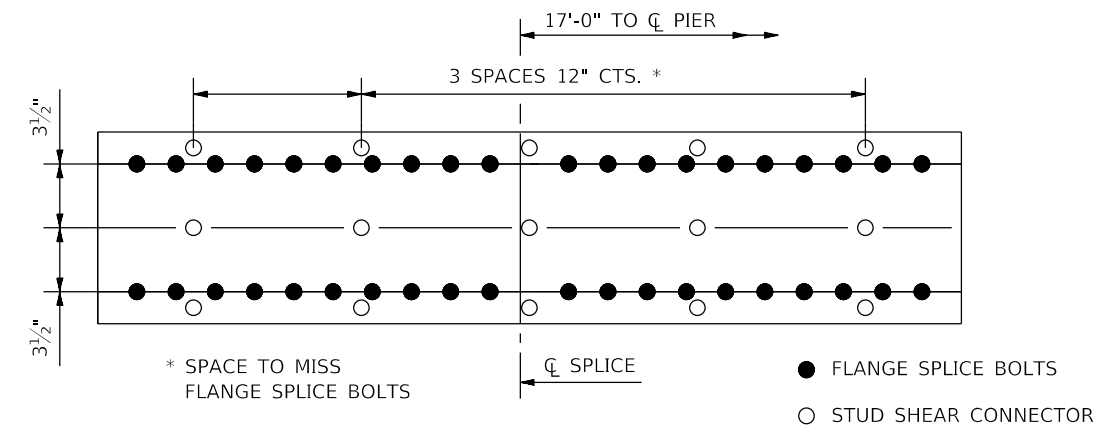
F.A.P. RTE. 573 & 553	SECTION (116R-2BR-1, 125BR-2)BP	COUNTY DEKALB	TOTAL SHEETS 17	SHEET NO. 11
SCALE: SHEET 2 OF 4 SHEETS STA. 903+38 TO STA. 904+75			CONTRACT NO. 66K37	
ILLINOIS FED. AID PROJECT				



**TYPICAL BEAM ELEVATION**



**SHEAR STUDS**



**PLAN DETAIL  
STUD SPACING ON SPLICE PLATE**

FOR INFORMATION ONLY

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PROJECT: 0366K37-CONV-01  
OFFICE: 0366K37-CONV-01

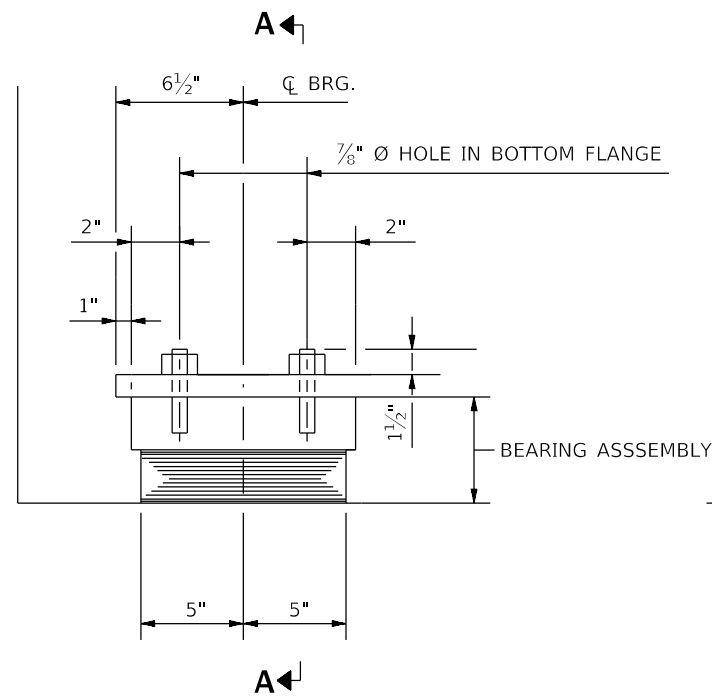
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PLOT DATE = 10/9/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE PLANS FOR LOCATION NO. 1  
STRUCTURE NO. 019-0036  
STRUCTURAL STEEL DETAILS

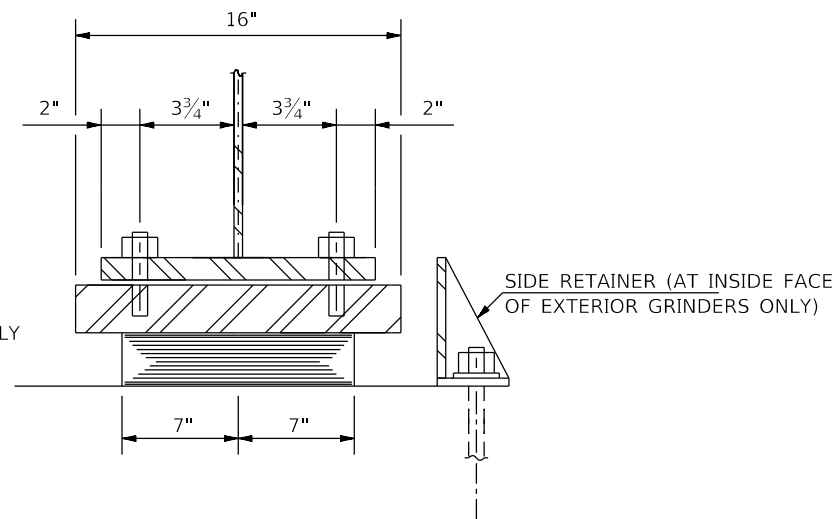
SCALE: SHEET 3 OF 4 SHEETS STA. 903+38 TO STA. 904+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	12
			CONTRACT NO. 66K37	
			ILLINOIS FED. AID PROJECT	

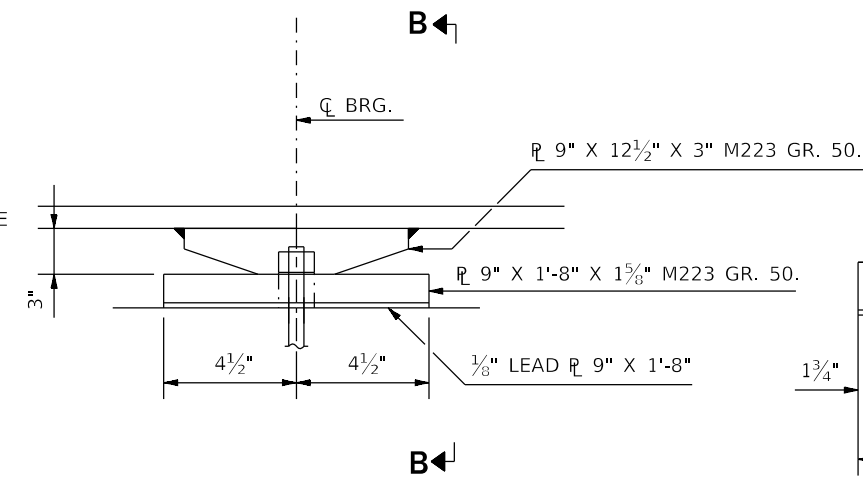


**ELEVATION AT ABUTMENT**

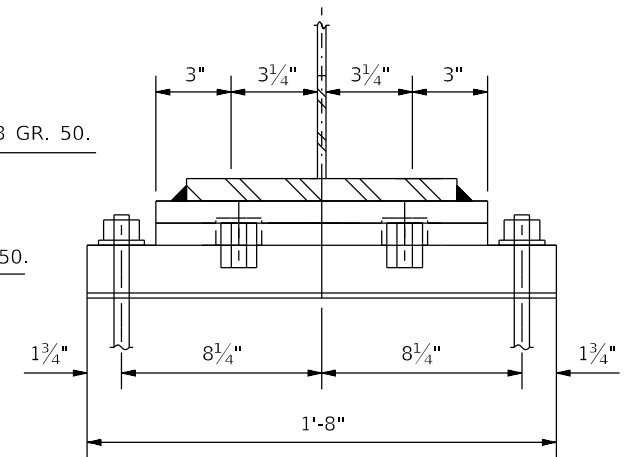
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**SECTION A - A**



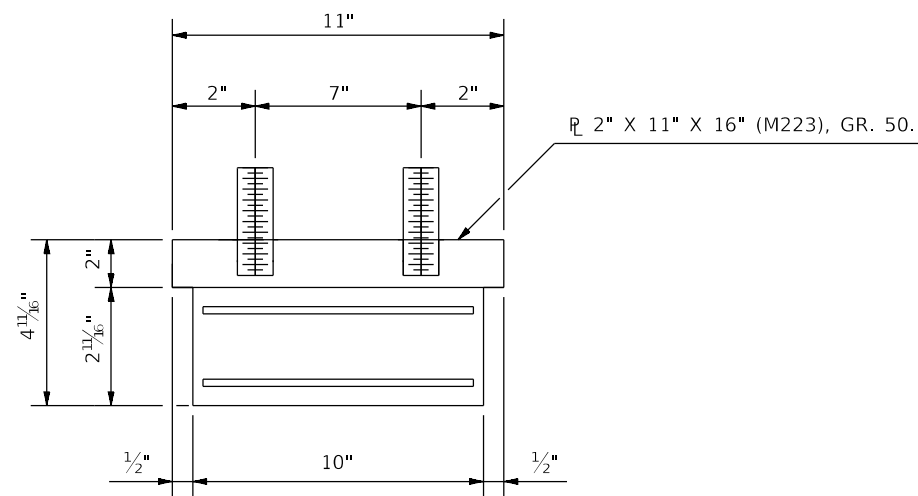
**ELEVATION AT PIER**



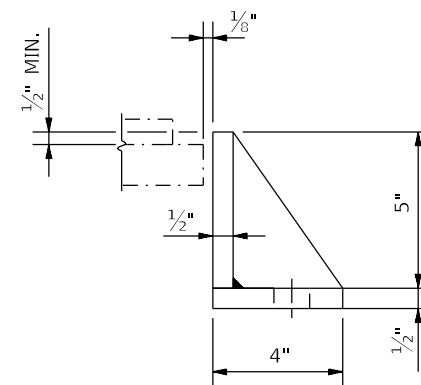
**SECTION B - B**

**TYPE I ELASTOMETRIC EXP. BRG.**

**FIXED BEARING**

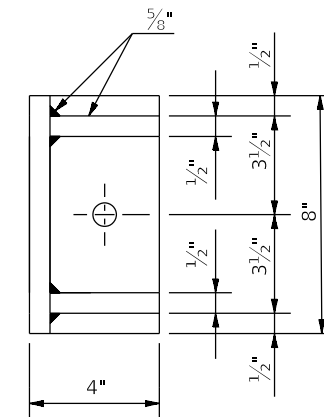


**BEARING ASSEMBLY**



**SIDE RETAINER**

EQUIVALENT ROLLED ANGLE WITH STIFFENERS WILL BE ALLOWED IN LIEU OF WELDED PLATES



FOR INFORMATION ONLY

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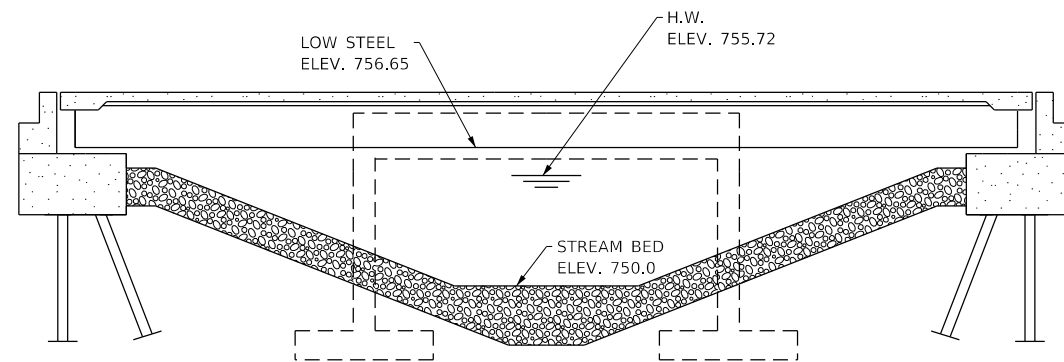
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PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

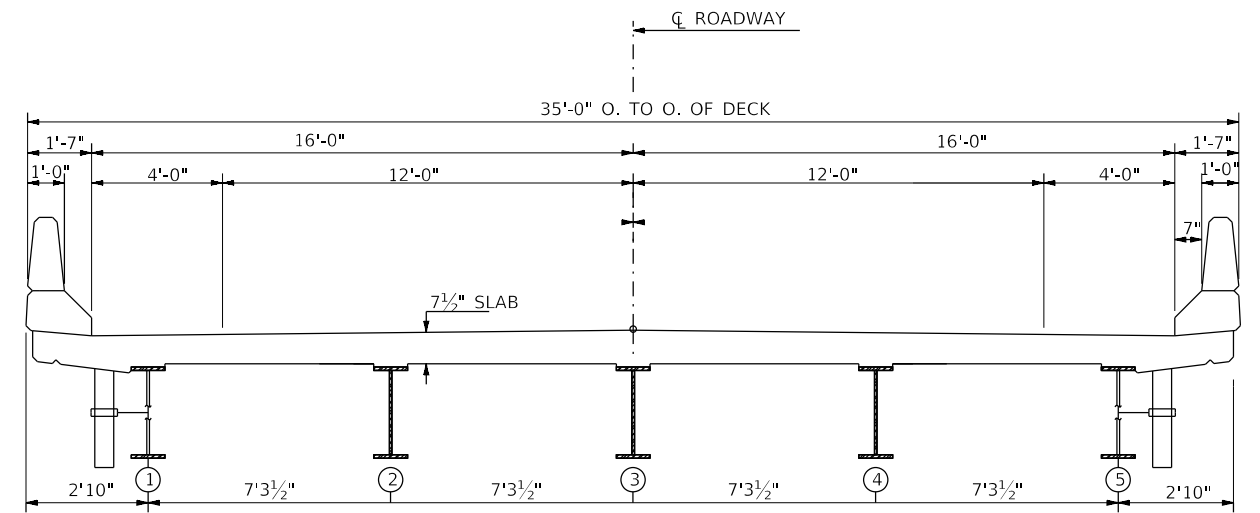
**EXISTING STRUCTURE PLANS FOR LOCATION NO. 1  
STRUCTURE NO. 019-0036  
STRUCTURAL STEEL DETAILS**

SCALE: SHEET 4 OF 4 SHEETS STA. 903+38 TO STA. 904+75

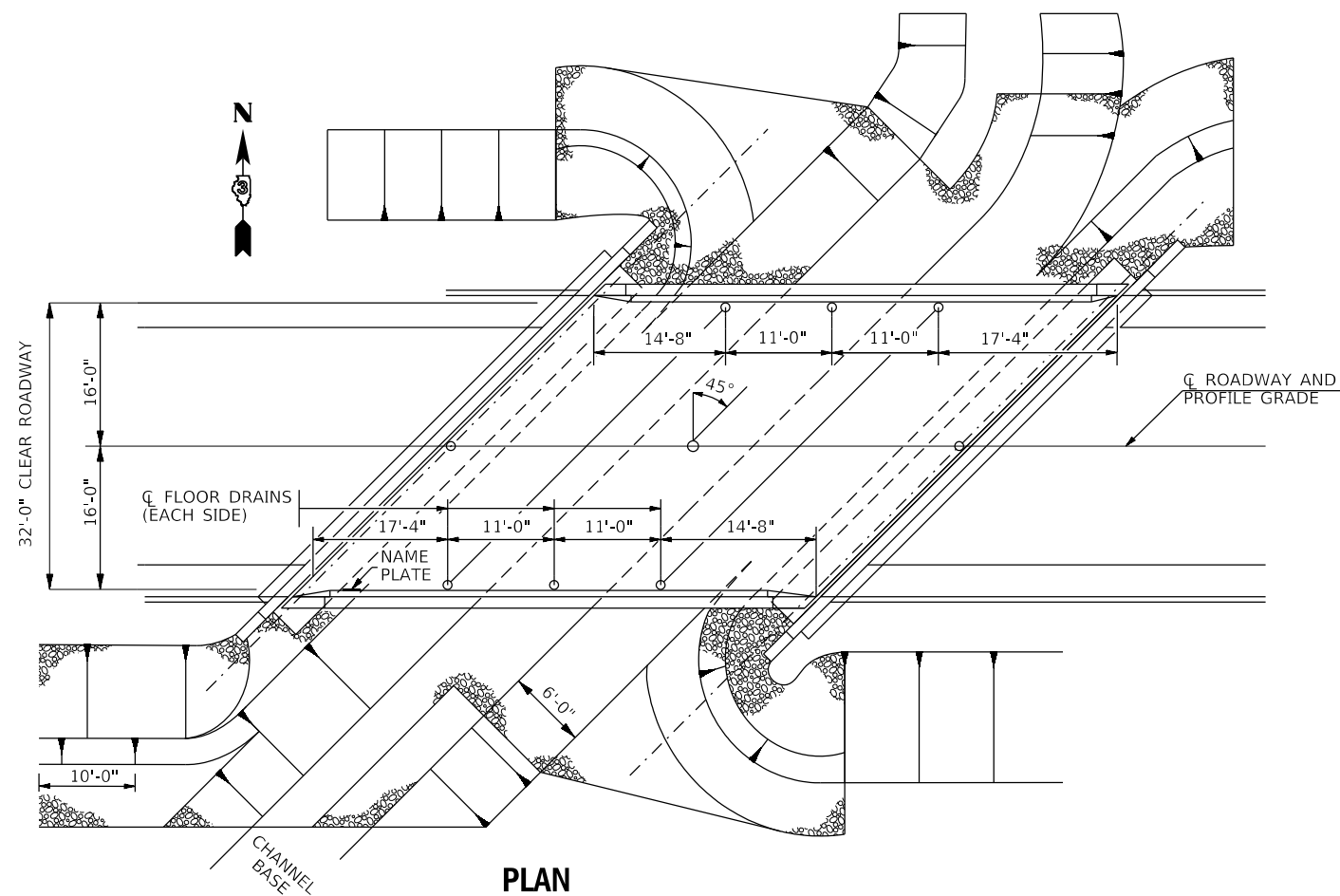
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	13
			CONTRACT NO. 66K37	
			ILLINOIS FED. AID PROJECT	



**ELEVATION**



**CROSS SECTION**



**PLAN**  
**STRUCTURE NO. 019-0037**

**TOTAL BILL OF MATERIAL**  
**STRUCTURE NO. 019-0037**

ITEM	UNIT	SUPER	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES	L SUM	0.5	0.5
BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1	1

**FOR INFORMATION ONLY**

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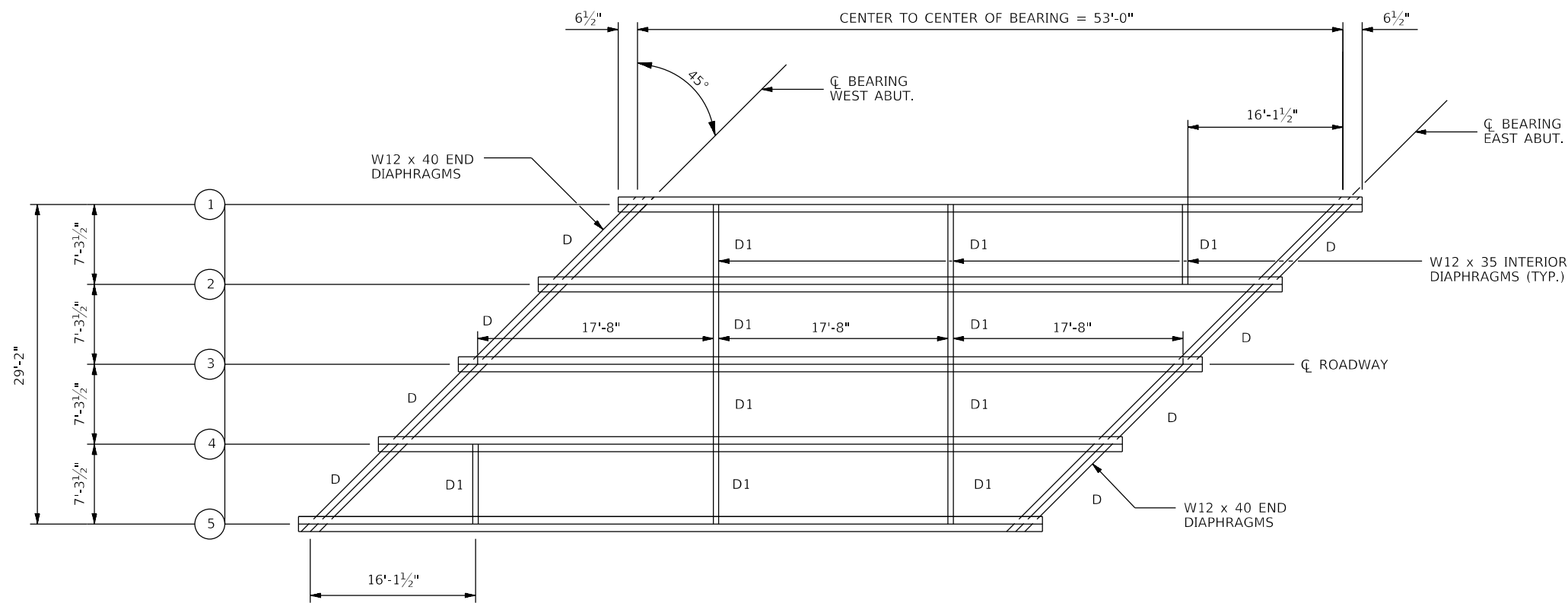
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE PLANS FOR LOCATION NO. 2**  
**STRUCTURE NO. 019-0037**  
**GENERAL PLAN AND ELEVATION**

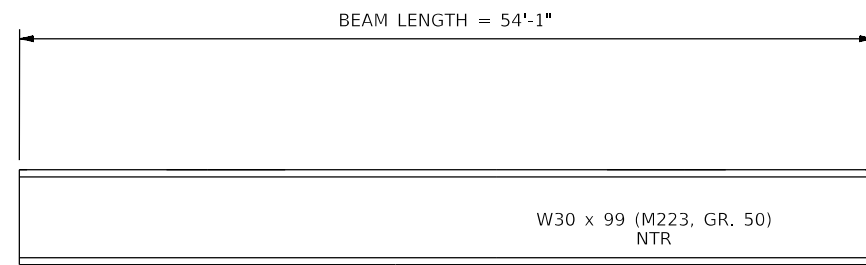
SCALE: SHEET 1 OF 3 SHEETS STA. 74+82 TO STA. 76+07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	14
			CONTRACT NO. 66K37	
			ILLINOIS FED. AID PROJECT	

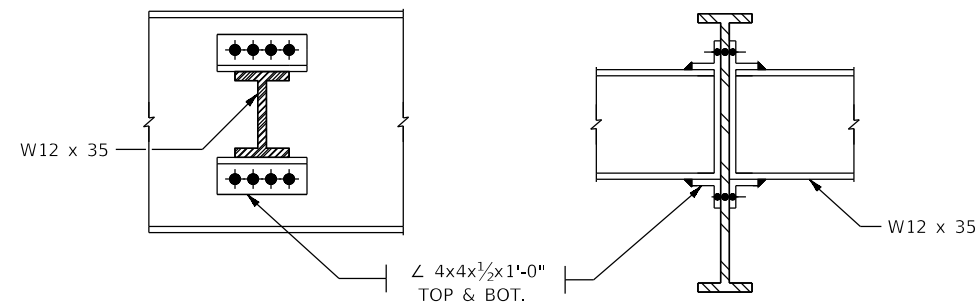
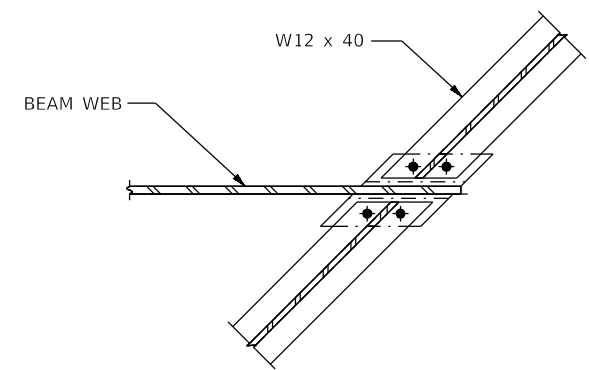
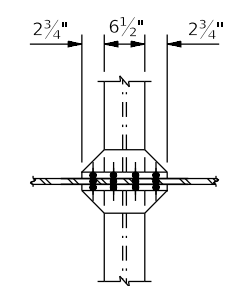


**FRAMING PLAN**

ALL BEAMS & SPLICE MATERIAL SHALL BE M223, GR. 50 STRUCTURAL STEEL

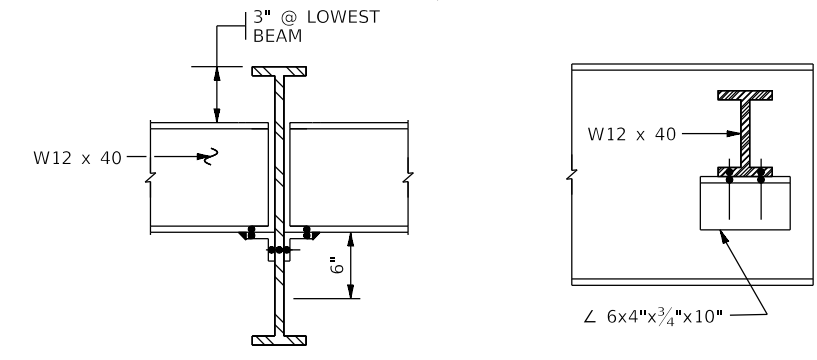


**BEAM ELEVATION**



**END DIAPHRAGM DETAILS**

**D1**



**END DIAPHRAGM DETAILS**

**D**

FOR INFORMATION ONLY

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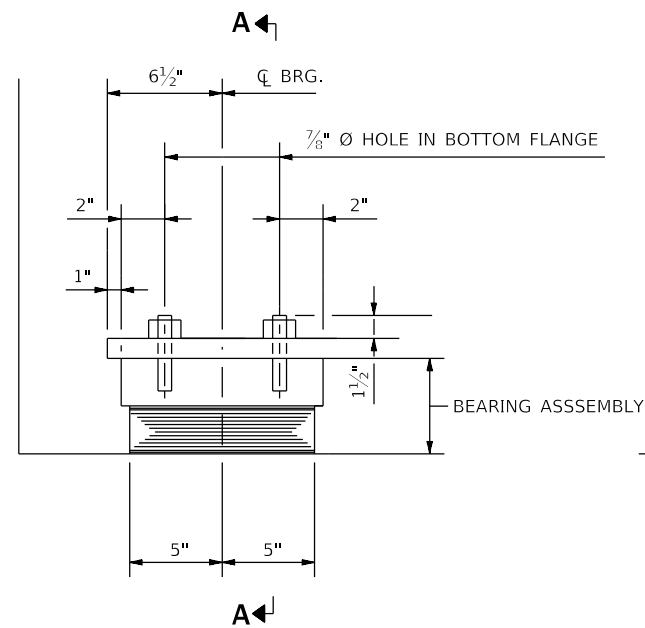
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE PLANS FOR LOCATION NO. 2  
STRUCTURE NO. 019-0037  
STRUCTURAL STEEL DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	15
CONTRACT NO. 66K37				

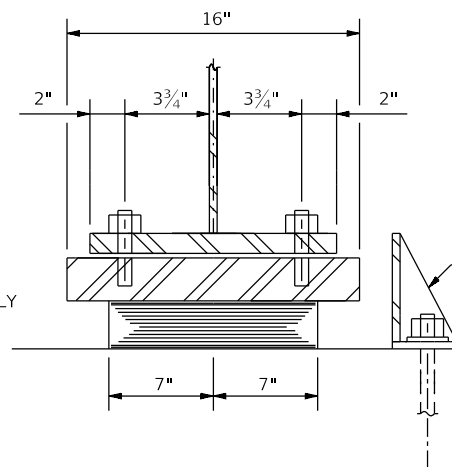
SCALE: SHEET 2 OF 3 SHEETS STA. 74+82 TO STA. 76+07

ILLINOIS FED. AID PROJECT

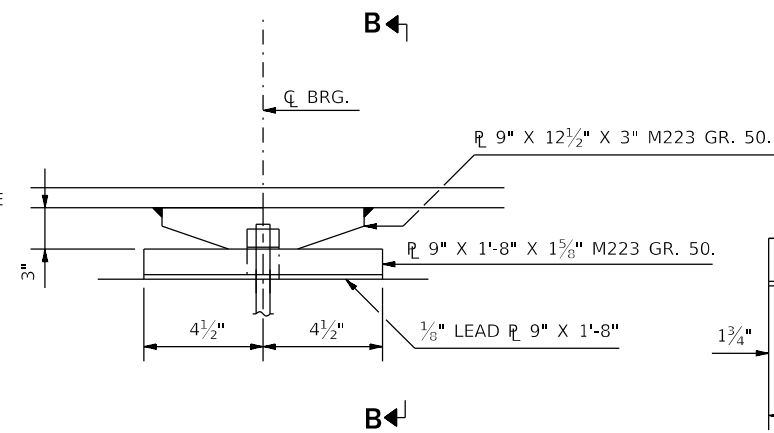


**ELEVATION AT ABUTMENT**

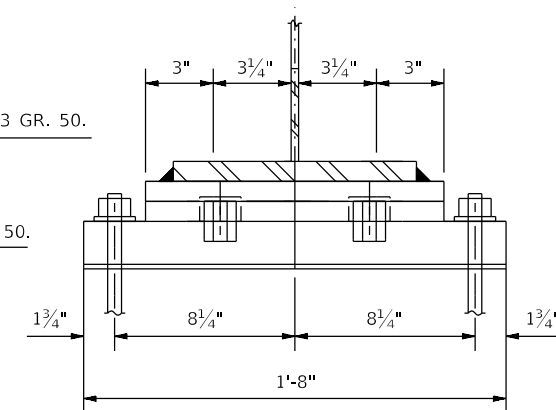
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**SECTION A - A**



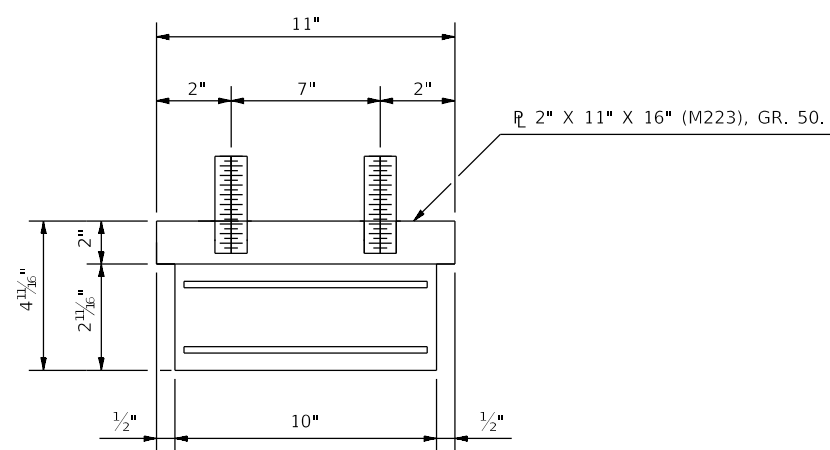
**ELEVATION AT PIER**



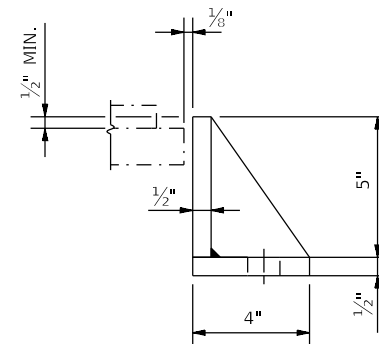
**SECTION B - B**

**TYPE I ELASTOMETRIC EXP. BRG.**

**FIXED BEARING**

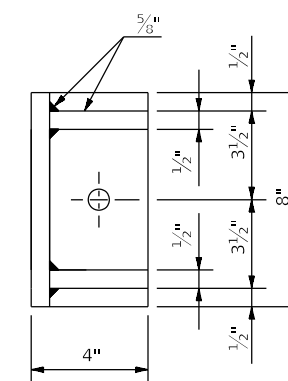


**BEARING ASSEMBLY**



**SIDE RETAINER**

EQUIVALENT ROLLED ANGLE WITH STIFFENERS WILL BE ALLOWED IN LIEU OF WELDED PLATES



**FOR INFORMATION ONLY**

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PROJECT: 66K37-CONV.DWG  
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	DRAWN -	REVISED -
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PLOT DATE = 10/9/2019	DATE -	REVISED -

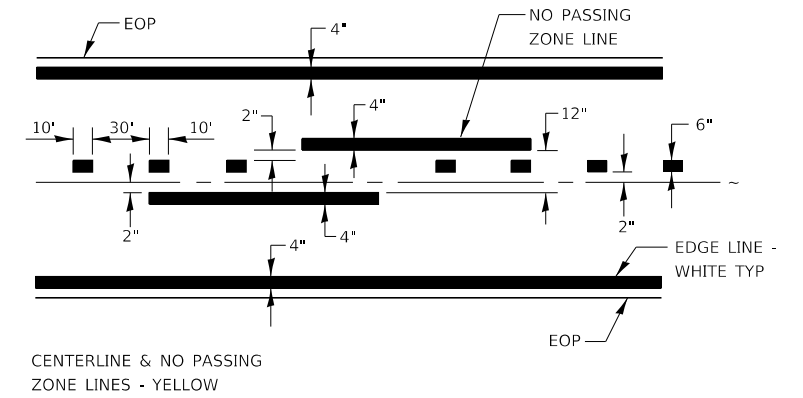
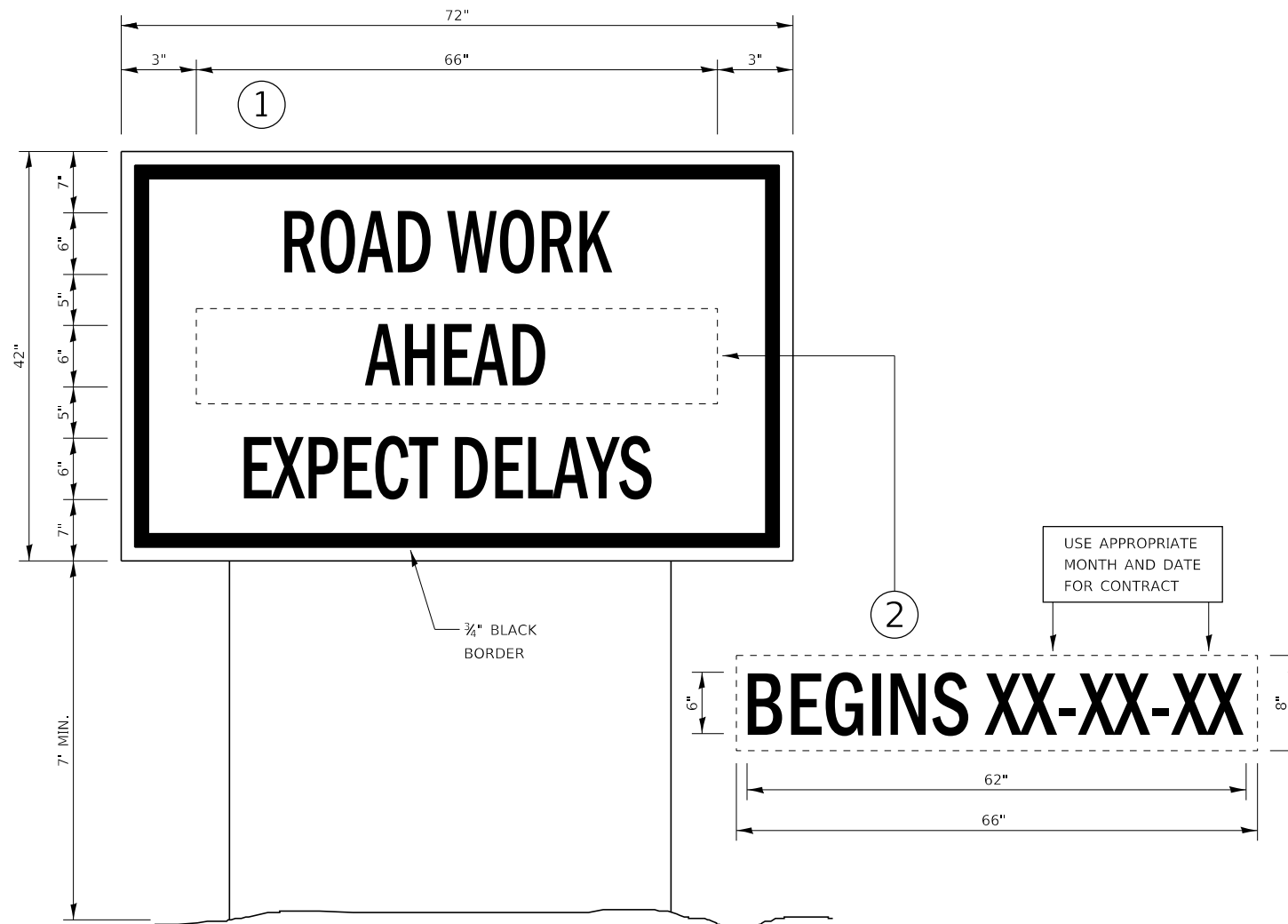
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURE PLANS FOR LOCATION NO. 2  
STRUCTURE NO. 019-0037  
STRUCTURAL STEEL DETAILS**

SCALE: SHEET 3 OF 3 SHEETS STA. 74+82 TO STA. 76+07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	16
CONTRACT NO. 66K37				
ILLINOIS FED. AID PROJECT				





**PAVEMENT MARKING**

**TEMPORARY INFORMATION SIGNING**

**NOTES:**

1. TEMPORARY INFORMATION SIGNS SHALL BE LOCATED OR RELOCATED AS DIRECTED BY THE ENGINEER.
2. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
3. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
4. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
5. REMOVE PANEL ② ON THAT DATE.
6. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
7. 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.

MODEL: Default  
 FILE: Model\_PavementRoom.dwg  
 PROJECT: I:\Projects\66K37\CADD\66K37-Cover.dgn  
 OFFICE: I:\Projects\66K37\CADD\66K37-Cover.dgn

USER NAME = woodshankr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/9/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MISCELLANEOUS DETAILS</b>	
SCALE:	SHEET 3 OF 3 SHEETS STA. 74+82 TO STA. 76+07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573 & 553	(116R-2BR-1, 125BR-2)BP	DEKALB	17	17
			CONTRACT NO. 66K37	
		ILLINOIS	FED. AID PROJECT	