

03-06-2015 LETTING ITEM 050

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAS ROUTE 315 (US 52)
SECTION (120) I
PROJECT: ACHSIP-0315(105)
SHOULDER WIDENING & RUMBLE STRIPS
IROQUOIS COUNTY

C-93-024-15

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(120) I	IROQUOIS	6	1
ILLINOIS			CONTRACT NO. 66E37	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS
- 5 SCHEDULES
- 6 DETAILS

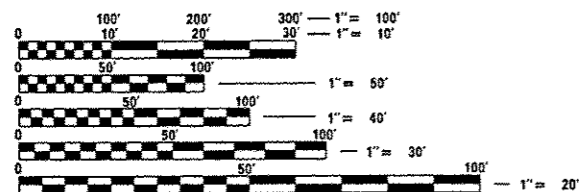
STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 642005 SHOULDER RUMBLE STRIPS, 8 INCH
- 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-D4 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS



RURAL MAJOR COLLECTOR
2013 ADT = 1150
P.V. = 79.1% S.U. = 7.0% M.U. = 13.9%

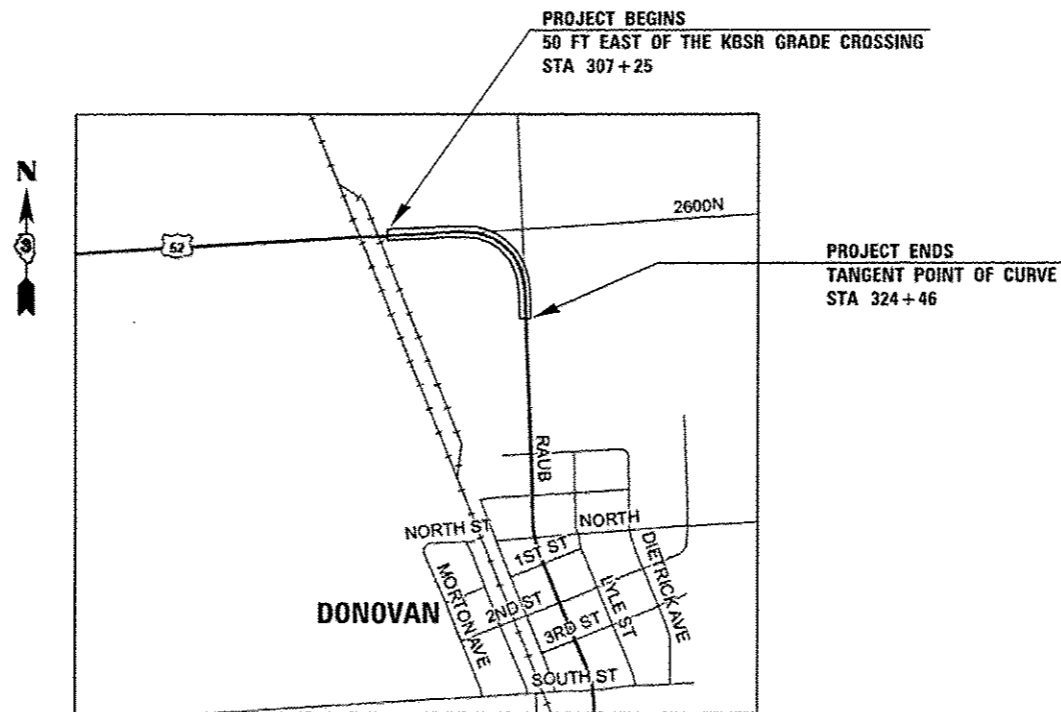
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED December 19, 2014
Paul Loete, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Jan 30, 2015
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
Jan 30, 2015
Ormer Corman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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: SCOTT FERGUSON, P.E.
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66E37



PROJECT GROSS & NET LENGTH = 1721 FT. = 0.33 MILES

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

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.

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

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

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

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.

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:

HMA RESURFACING	112	LBS / SQ YD / IN
-----------------	-----	------------------

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:

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

COMMITMENTS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Don Beaulieu
DISTRICT STUDIES & PLANS ENGINEER

DATE: December 19, 2014

EXAMINED BY: Hubert J. ...
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME * budzynskim	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\work\p\idot\budzynskim\414153\03	66E37-sh1-details.dgn	DRAWN -	REVISED -			315	0201 I	ILLINOIS	6	2	
PLOT SCALE * 100.0000 * / in.	CHECKED -	REVISED -				CONTRACT NO. 66E37					
PLOT DATE * 12/17/2014	DATE -	REVISED -				(ILLINOIS) FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	

10/19/14

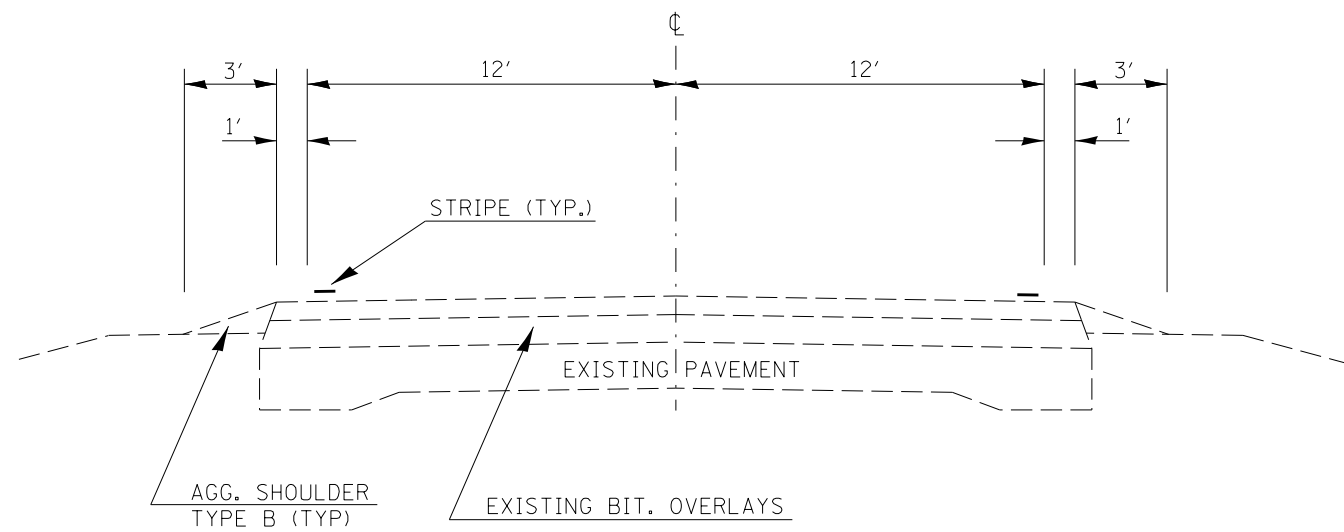
CONSTR. CODE
 90% FED.
 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0021 RURAL
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	35	35
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	708	708
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1574	1574
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	3542	3542
67100100	MOBILIZATION	L SUM	1.0	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1.0	1.0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15
*72000100	SIGN PANEL - TYPE 1	SQ FT	36	36
*73000100	WOOD SIGN SUPPORT	FOOT	144	144
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	7084	7084
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
X0800001	SHOULDER REMOVAL (SPECIAL)	SQ YD	1574	1574

13

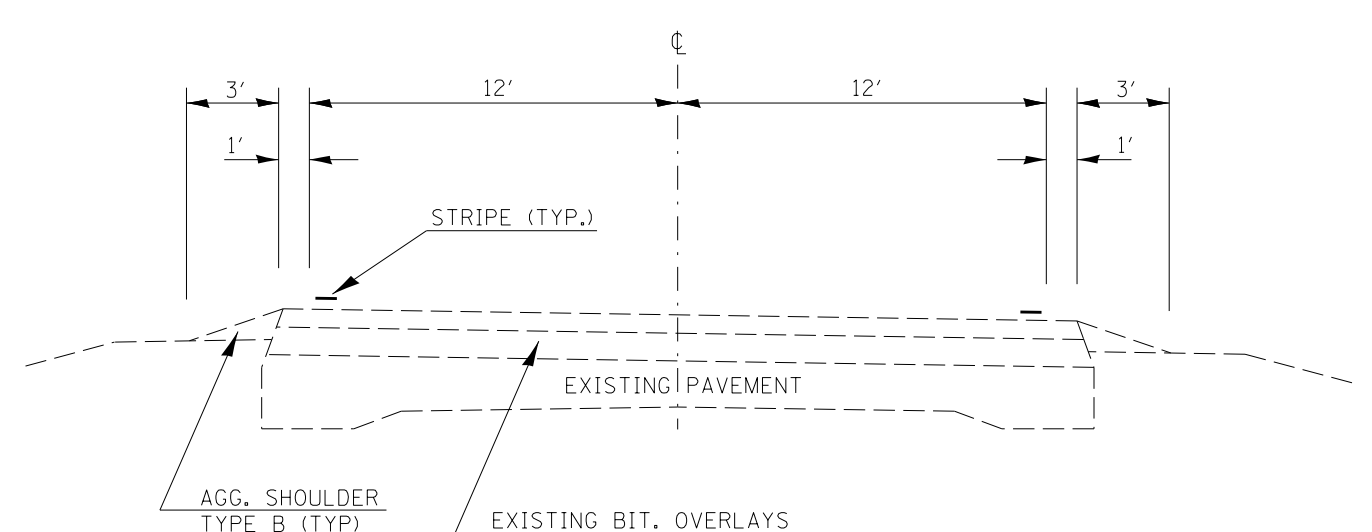
*Specialty Items

FILE NAME =	USER NAME = budzynskim	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\p11001\budzynskim\08414153\066E37-int-details.dgn	66E37-int-details.dgn	DRAWN -	REVISED -				315	(120) (ILLINOIS	6	3
PLOT SCALE = 1/8" = 100'	CHECKED -	REVISED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 66E37				
PLOT DATE = 12/19/2014	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT						



EXISTING TYPICAL SECTION

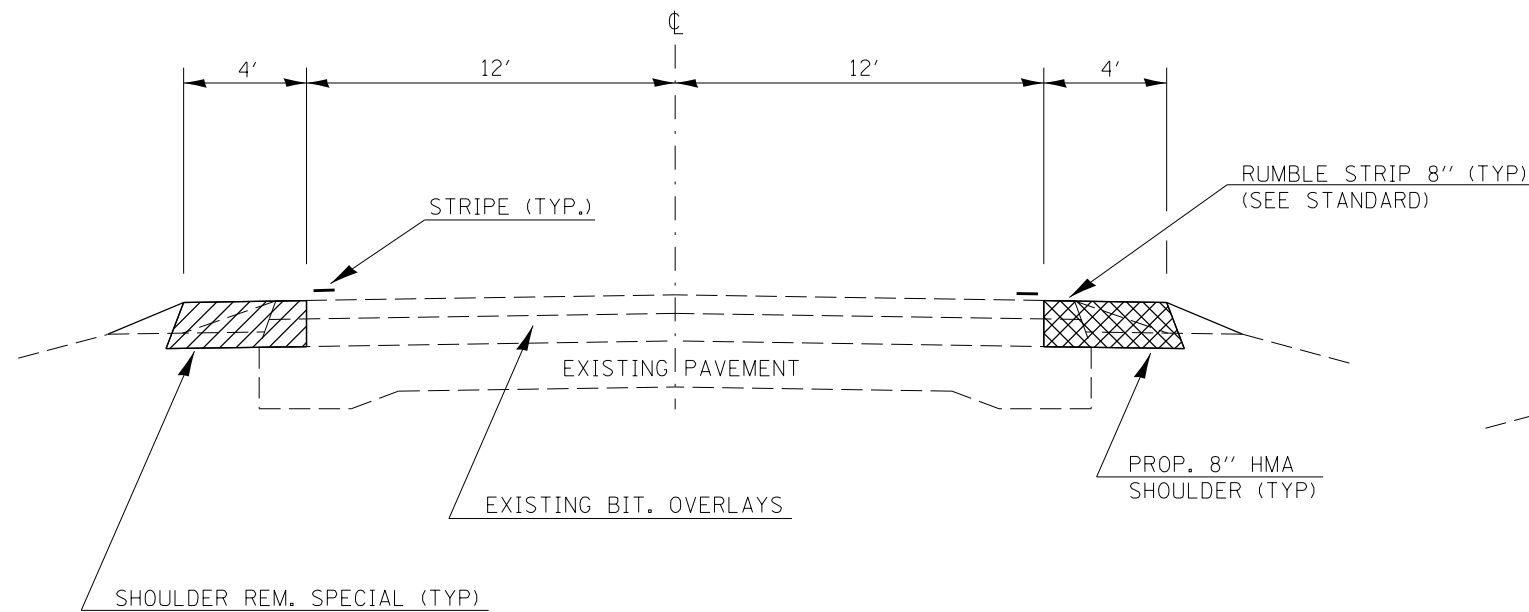
TANGENT SECTION



EXISTING TYPICAL SECTION

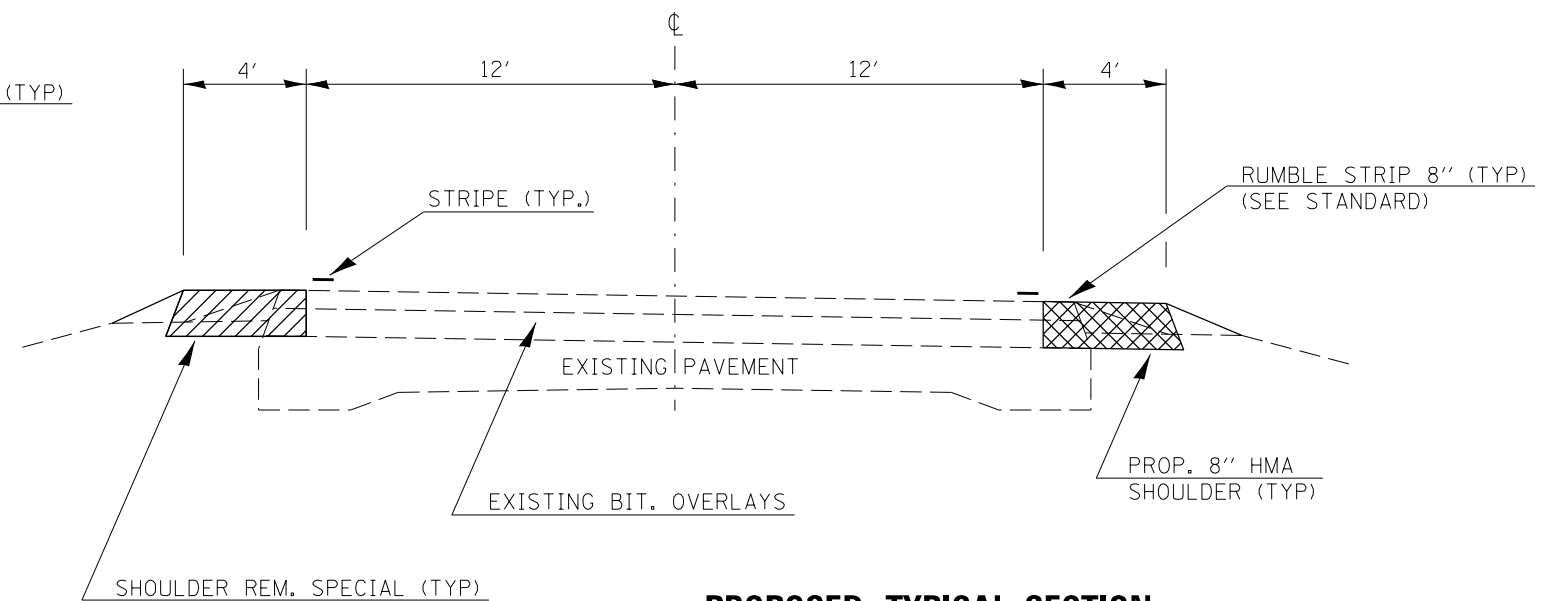
SUPERELEVATED SECTION

HMA MIXTURE REQUIREMENT TABLE		
LOCATION(S):	STA 307+25 TO STA 324+46	
MIXTURE USE(S):	SHOULDER BOTTOM LIFT(S)	SHOULDER TOP LIFT (2")
BINDER GRADE (PG):	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-19.0 FG	IL-9.5 FG
FRICTION AGGREGATE:	-	MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A
DENSITY TEST METHOD:	CORES	% GROWTH CURVE



PROPOSED TYPICAL SECTION

TANGENT SECTION



PROPOSED TYPICAL SECTION

SUPERELEVATED SECTION

FILE NAME =	USER NAME = budzynskim	DESIGNED -	REVISED -
et:\pw\work\p1\dot\budzynskim\d0414153\0366E37-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/17/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

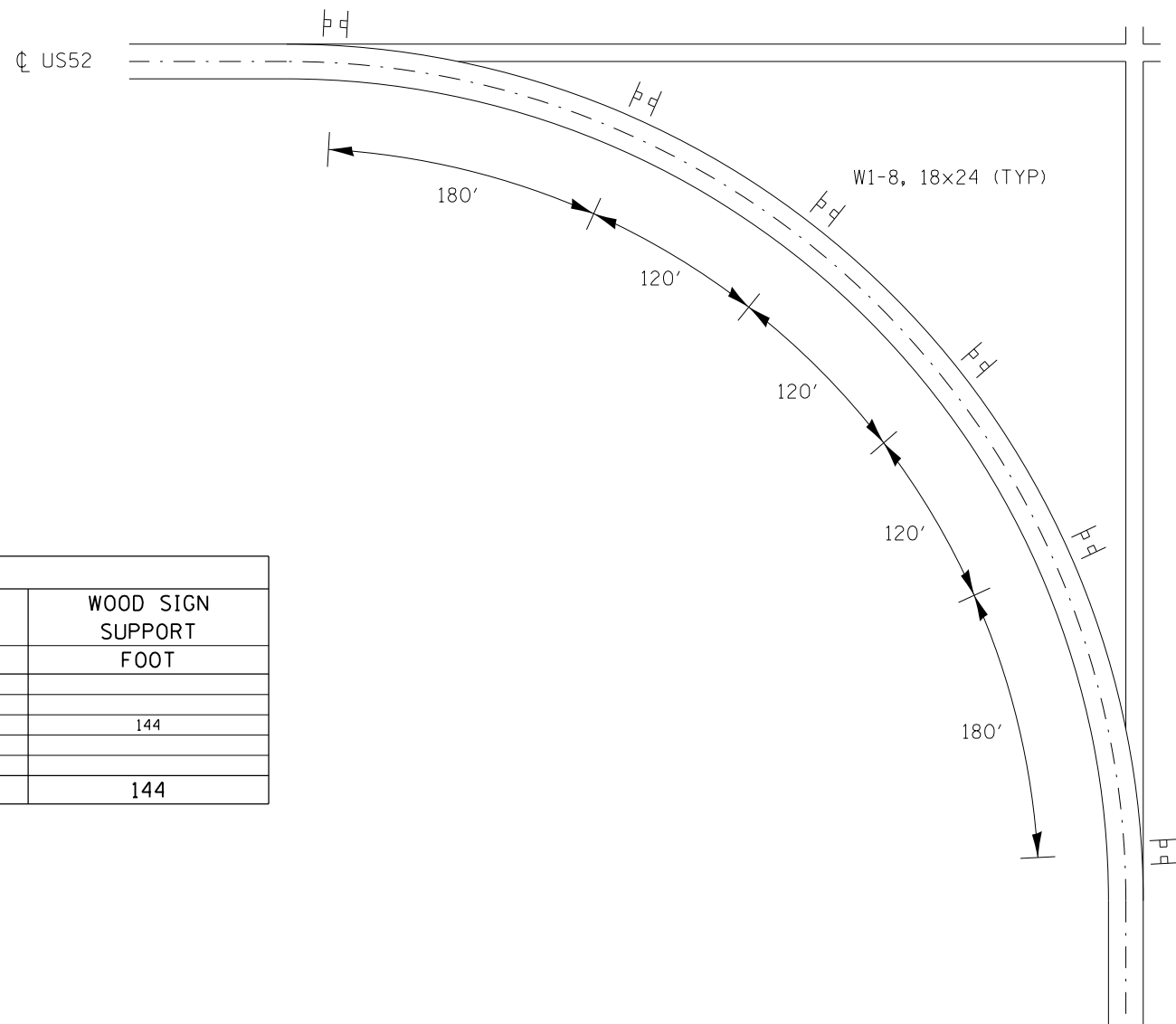
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(120) I	IRROUOIS	6	4
CONTRACT NO. 66E37				
ILLINOIS FED. AID PROJECT				

SHOULDER REMOVAL & REPLACEMENT SCHEDULE						
LOCATION	LENGTH	SHOULDER REMOVAL (SPECIAL)	HMA SHOULDERS 8"	BIT MTL'S PRIME COAT	SHOULDER RUMBLE STRIPS 8"	PAINT PVMT MARKING 4"
	FOOT	SQ YD	SQ YD	POUND	FOOT	FOOT
STA 306+75 TO STA 324+46	1771	1574	1574	708	3542	7084
TOTAL	1771	1574	1574	708	3542	7084

SIGNING PLAN DETAIL



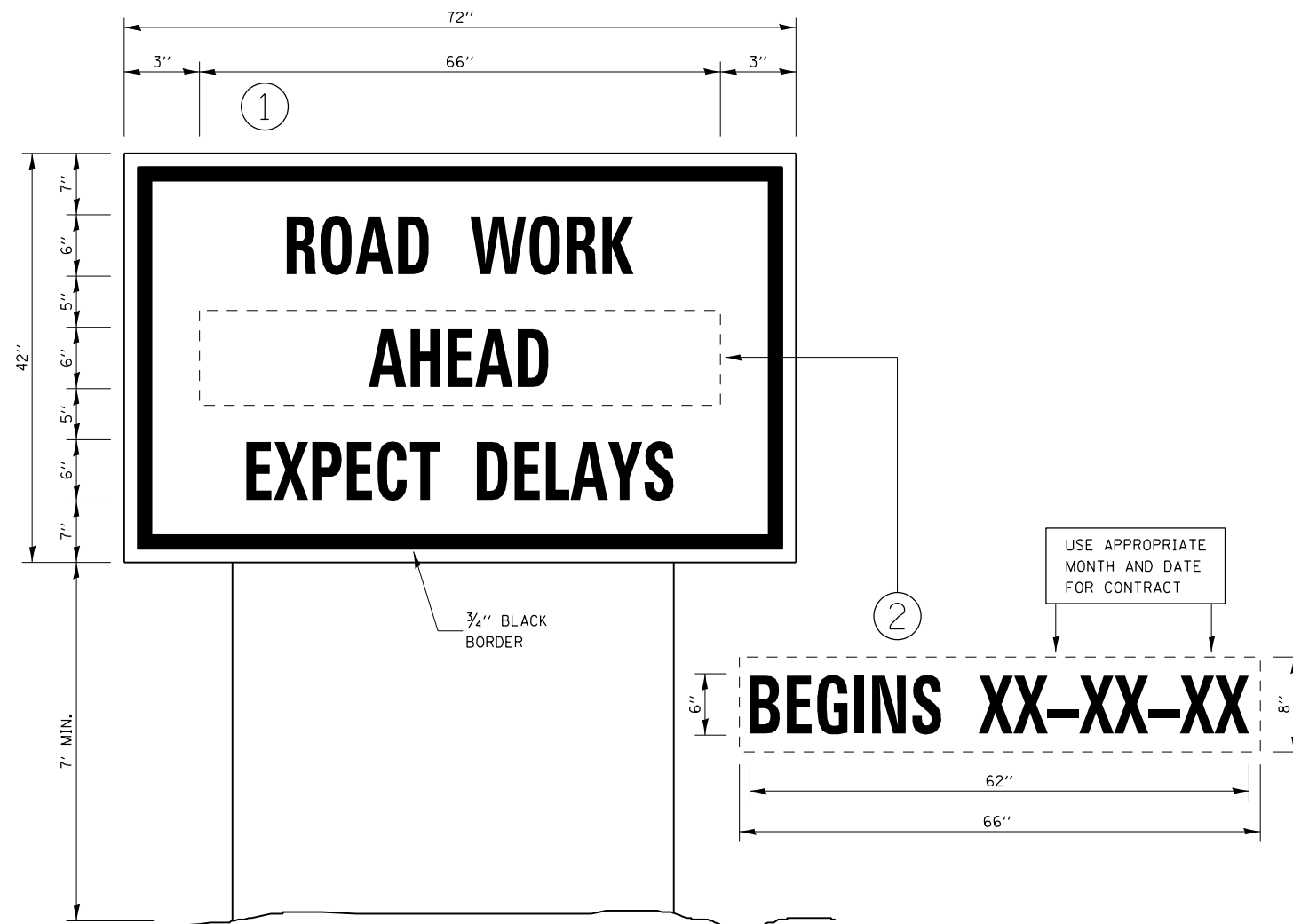
SIGN SCHEDULE		
DESCRIPTION	SIGN PANEL TYPE 1	WOOD SIGN SUPPORT
	SQ FT	FOOT
CHEVRON SIGNS, SIZE 18x24 QTY = 12 SIGNS	36	144
TOTAL	36	144

FILE NAME =	USER NAME = budzynskim	DESIGNED -	REVISED -
et:\pw\work\p\dot\budzynskim\d0414153\0366E37-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/17/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

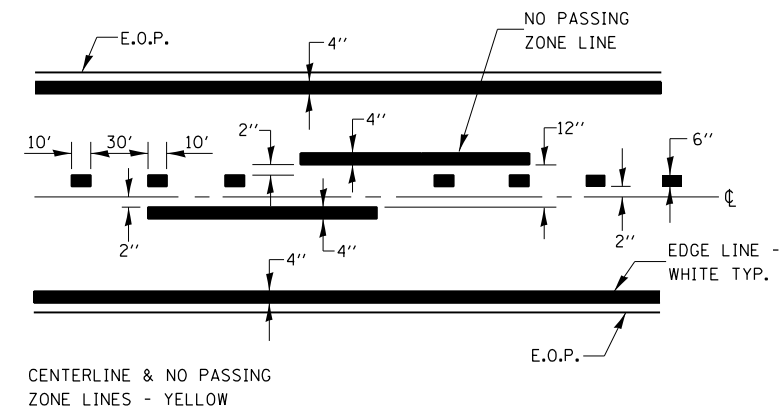
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	(120) I	ILROOUIJS	6	5
CONTRACT NO. 66E37				
ILLINOIS FED. AID PROJECT				



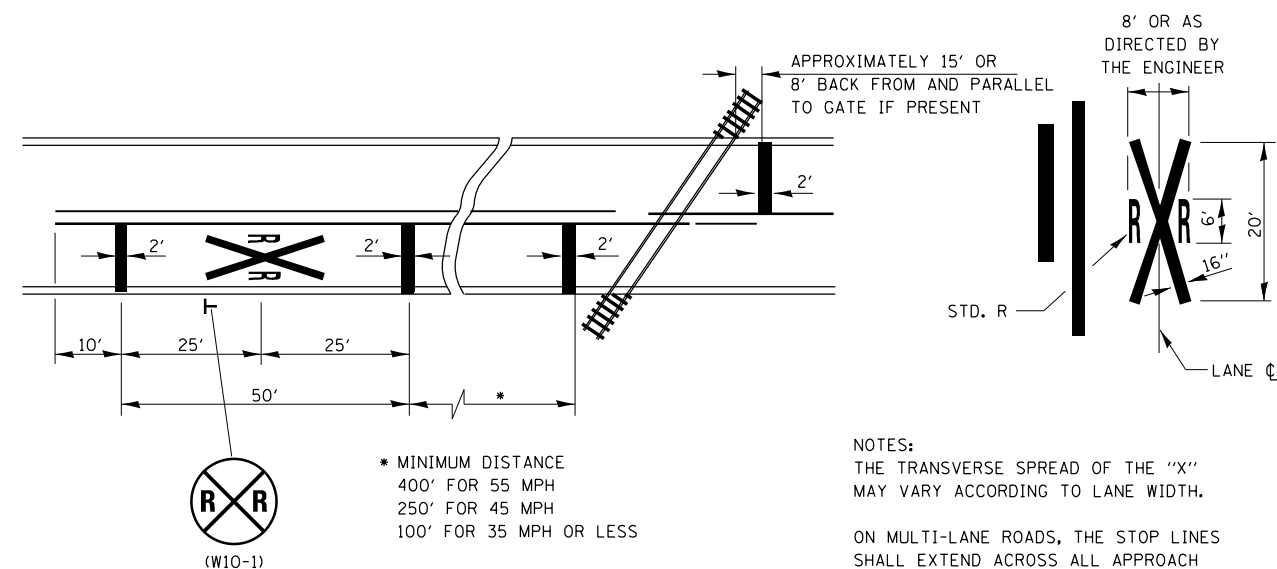
TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT 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.



PAVEMENT MARKING



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES:

- THE TRANSVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.
- ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.
- WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1).

FILE NAME =	USER NAME = budzynskim	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw_work\pwork\budzynskim\d0414153\0366E37-sht-details.dgn	DRAWN -	REVISED -	REVISED -					315	(120) I	IROQUOIS	6	6
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 66E37							
PLOT DATE = 12/17/2014	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							