

06-14-2019 LETTING ITEM 064

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
553	(125) SFY	DEKALB	7	1
		ILLINOIS	CONTRACT NO. 66J12	

INDEX OF SHEETS

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- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6 SCHEDULES
- 7 DETAILS

HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 406201-01 MAILBOX TURNOUT
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 642006 SHOULDER RUMBLE STRIPS, 8 INCH
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-08 TRAFFIC CONTROL DEVICES

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 553 (IL 72)
SECTION (125) SFY
PROJECT: HSIP - ZM03 (138)
SHOULDER WIDENING AND RUMBLE STRIPS
DEKALB COUNTY

C-93-057-18



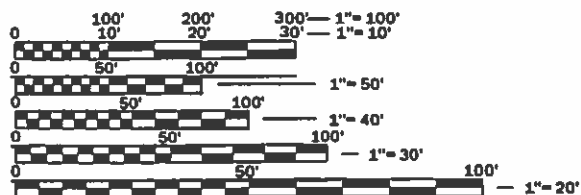
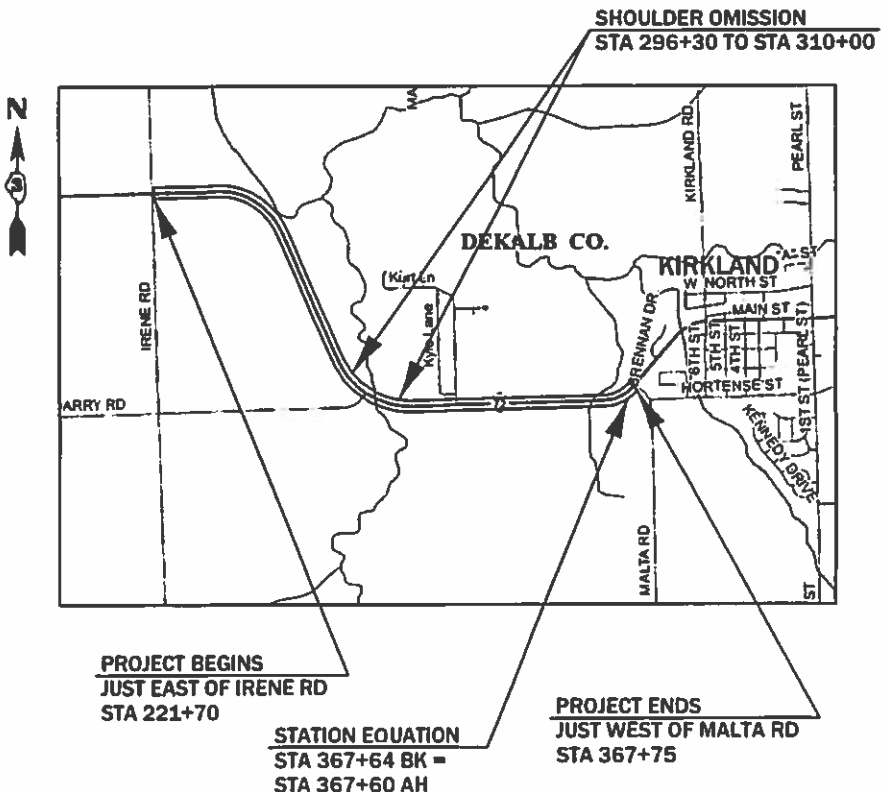
IL 72 - MINOR ARTERIAL
2017 ADT = 2250
P.V. = 85.3% S.U. = 5.8% M.U. = 8.9%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 6/10/19 2019
Karin M... [Signature]
REGIONAL ENGINEER

May 10 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 10 2019
Paul P. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



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: MARC BUDZYNSKI, P.E.
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66J12

GROSS LENGTH = 14,605 FT. = 2.77 MILES
NET LENGTH = 13,239 FT. = 2.51 MILES

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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 HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

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.

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
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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 WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

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

THE NON-SPECIAL WASTE DISPOSAL QUANTITY ACCOUNTS FOR THE CUBIC YARDS OF DIRT THAT IS REMOVED AS A PART OF SHOULDER REMOVAL (SPECIAL). OTHER EXCAVATED SHOULDER MATERIALS WERE NOT INCLUDED IN THE NON-SPECIAL WASTE QUANTITY.

LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT
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	IL-9.5 FG
FRICTION AGGREGATE:	-	-
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	CORES

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: Tom Benik
DISTRICT STUDIES & PLANS ENGINEER

DATE: 4-1-19

EXAMINED BY: [Signature]
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

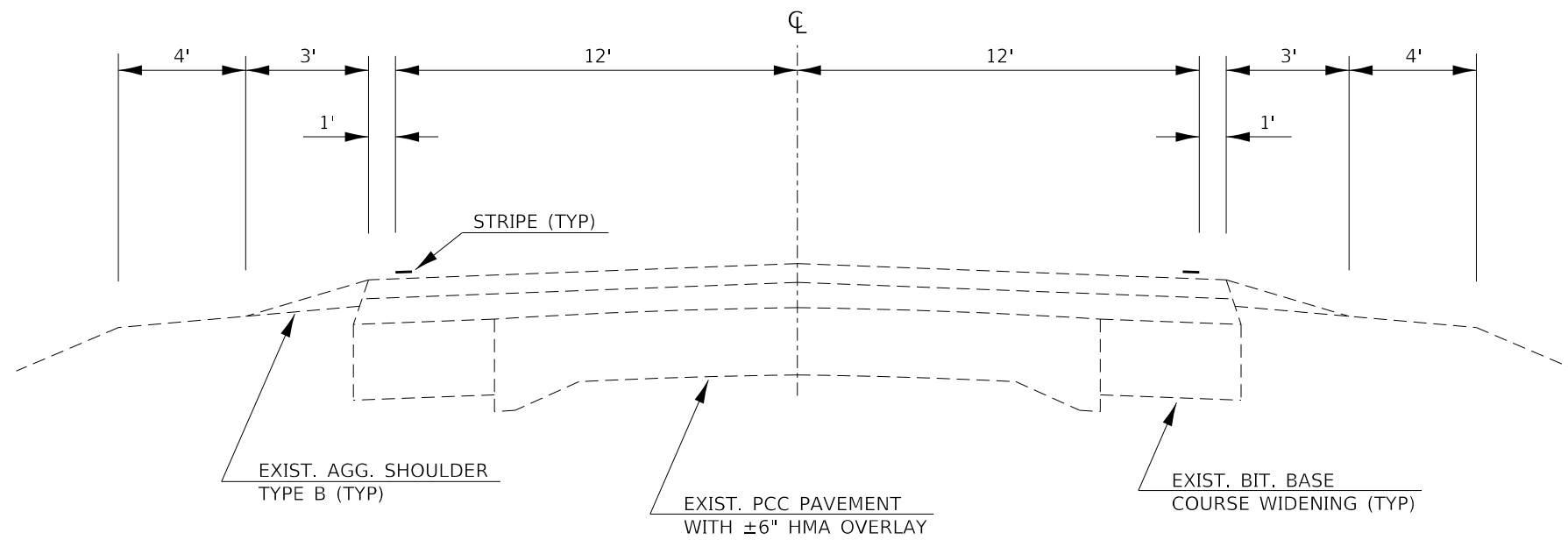
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FED 10% STATE	
				ROADWAY	
				0021	
				RURAL	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5340		5340
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10.3		10.3
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	88.7		88.7
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	11768		11768
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	26478		26478
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1635		1635
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1.0		1.0
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	9		9
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1.0		1.0
67100100	MOBILIZATION	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	5		5
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	58436		58436

*= SPECIALTY ITEM

FILE NAME =	USER NAME = budzynsklm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom\dot\illinois\gov\PWIDOT\Documents\IDOT	offices\District 3\Projects\D366J12\CADData\D366J12-sht-cover	DRAWN -	REVISED -					553	(125) SFY	DEKALB	7	3
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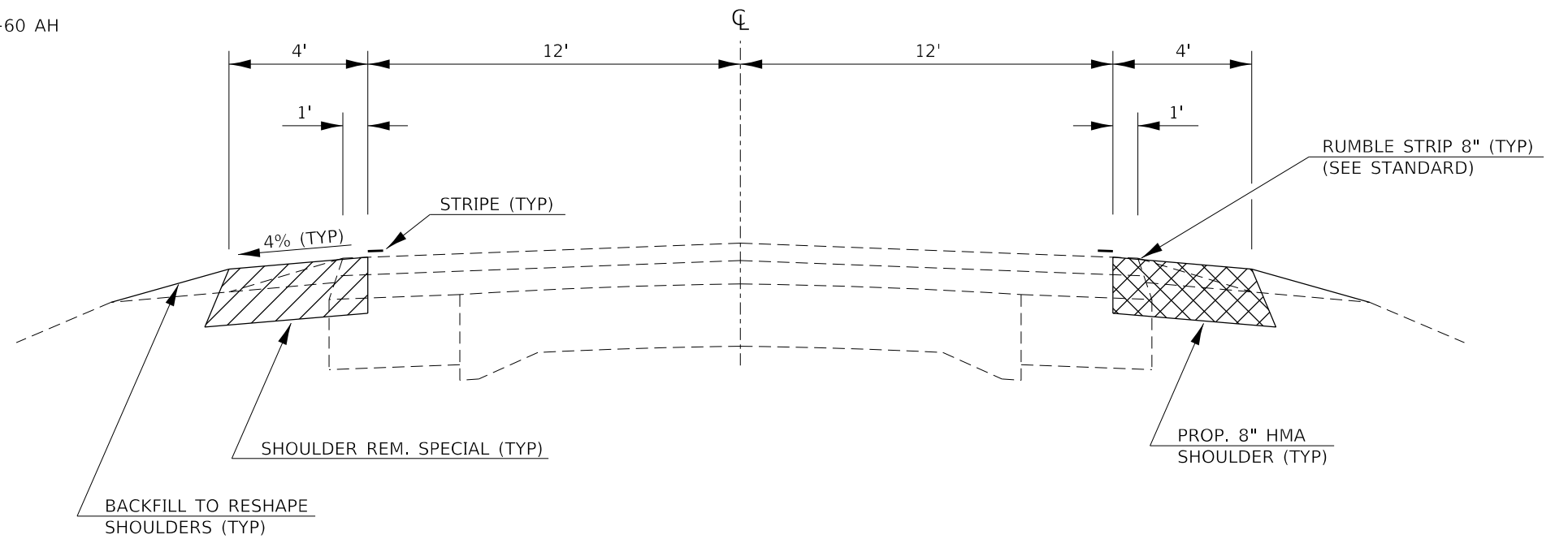
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FED 10% STATE	
				ROADWAY	
				0021	
				RURAL	
X0800001	SHOULDER REMOVAL (SPECIAL)	SQ YD	11768		11768
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42		42

FILE NAME =	USER NAME = budzynsklm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\planroom.dot\illinois.gov\PWIDOT\Documents\IDOT	offices\District 3\Projects\D366J12\CADData\D366J12-sht-cover	DRAWN -	REVISED -			553	(125) SFY	DEKALB	7	4	
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	PLOT DATE = 4/1/2019	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



EXISTING TYPICAL SECTION

STA 221+70 TO STA 296+30
 STA 310+00 TO STA 367+64
 STATION EQUATION - STA 367+64 BK = 367+60 AH
 STA 367+60 TO STA 367+15



PROPOSED TYPICAL SECTION

STA 221+70 TO STA 296+30
 STA 310+00 TO STA 367+64
 STATION EQUATION - STA 367+64 BK = 367+60 AH
 STA 367+60 TO STA 367+15

FILE NAME =	USER NAME = budzynsklm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66J12							
	PLOT DATE = 4/1/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS

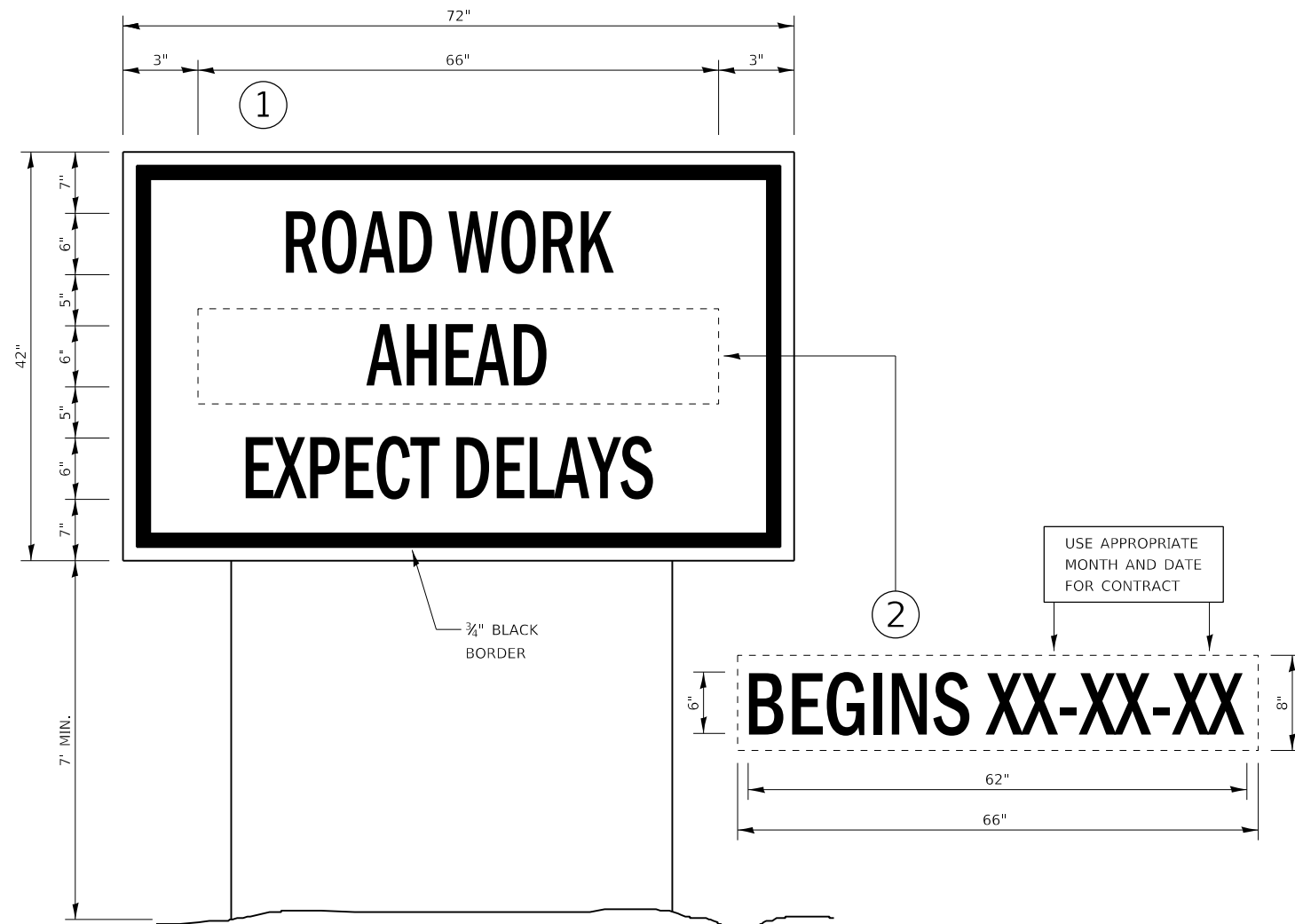
SHOULDER REMOVAL & REPLACEMENT SCHEDULE									
LOCATION			SIDE	LENGTH	SHOULDER REMOVAL (SPECIAL)	HMA SHOULDERS 8"	BIT MTLs TACK COAT	SHOULDER RUMBLE STRIPS 8"	*PAINT PVMT MARKING WHITE 4"
STA	TO	STA	LT / RT	FOOT	SQ YD	SQ YD	POUND	FOOT	FOOT
221+70	TO	296+30	LT & RT	7460	6631	6631	2984	14920	29840
SHLD OMISSION - PAINT ONLY			LT & RT						5480
310+00	TO	367+64	LT & RT	5764	5124	5124	2306	11528	23056
STATION EQUATION STA 367+64 BK = STA 367+60									
367+60	TO	367+75	LT & RT	15	13	13	6	30	60
TOTAL				13239	11768	11768	5296	26478	58436

*QUANTITY REPRESENTS TWO SEPARATE APPLICATIONS

MAILBOX TURNOUT REMOVAL & REPLACEMENT SCHEDULE			
STA / SIDE	HMA SURF REMOVAL 2"	INCIDENTAL HMA SURF 2"	BIT MTLs TACK COAT
	SQ YD	TON	POUND
311+50 LT	-	-	-
313+40 LT	13.7	1.6	7
317+85 LT	20.9	2.4	10
339+70 LT	11.4	1.3	6
341+70 LT	10.8	1.3	5
343+80 LT	22.7	2.6	11
345+55 LT	9.2	1.1	5
TOTAL	88.7	10.3	44

THE FIRST 4 FEET OF THE MBTO ADJACENT TO THE TRAVELED WAY IS PAID AS SHOULDER REMOVAL (SPECIAL) AND HMA SHOULDERS 8". THE REMAINING AREA OF THE MBTO IS PAID AS HMA SURFACE REMOVAL 2" AND INCIDENTAL HMA SURFACE 2".

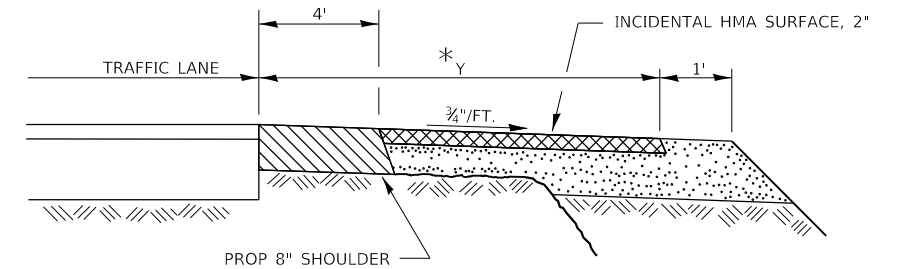
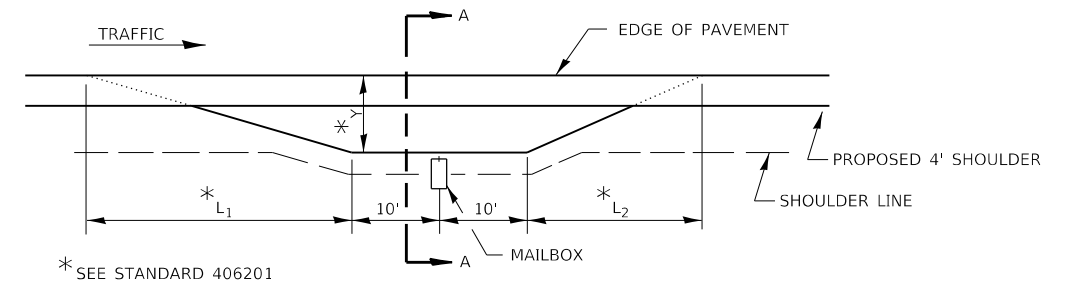
SURVEY MONUMENT SCHEDULE					
GPS NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
N/A	NO CENTERLINE CONTROL OR SECTION CORNER PERMANENT SURVEY MARKERS TO BE SET	N/A	N/A	N/A	N/A
<p>ALL KNOWN EXISTING PERMANENT SURVEY MARKERS AND SURVEY MONUMENTS ARE LOCATED ON THE ROAD SURFACE AND SHOULD NOT BE DISTURBED BY SHOULDER WIDENING AND RUMBLE STRIP WORK.</p> <p>UNKNOWN MONUMENTS MAY EXIST, AND IF FOUND THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO ANALYZE AND GPS ANY MONUMENT SUBJECT TO DAMAGE OR DESTRUCTION FROM THE PROPOSED WORK, AND INFORM THEM TO RESET THESE MONUMENTS UPON JOB COMPLETION.</p> <p>THE R.E. IS TO INFORM THE PLATS AND PLANS SECTION TO SEARCH FOR ADDITIONAL MONUMENTS IF JOB LIMITS ARE EXPANDED DURING CONSTRUCTION. NO MONUMENT RECORDS WILL BE REQUIRED FOR THIS JOB.</p> <p>A SECTION CORNER TIE AT THE WEST QUARTER CORNER OF SECTION 26, T42N, R3E, OF THE 3RD PM WILL BE DESTROYED BY THE SHOULDER WORK. THE R.E. WILL INFORM THE PLATS AND PLANS SECTION TO RESET THIS TIE UPON JOB COMPLETION.</p>					



TEMPORARY INFORMATION SIGNING

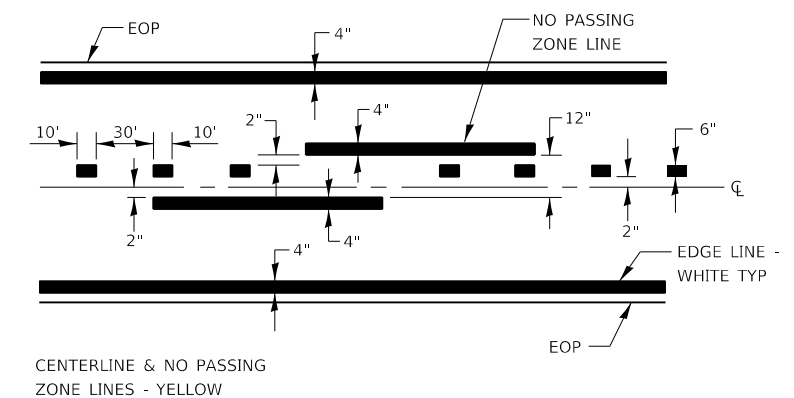
NOTES:

- USE 6" D BLACK LETTERING ON FLUORESCENT 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.



SECTION A-A

RURAL MAILBOX TURNOUT DETAILS



PAVEMENT MARKING

FILE NAME =	USER NAME = budzynsklm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66J12							
	PLOT DATE = 4/1/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS