

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	1122RS-5	BUREAU	15	1
ILLINOIS			CONTRACT NO. 66A92	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES & LOCATION MAP
- 3-5 SUMMARY OF QUANTITIES
- 6 TYPICAL SECTIONS
- 7-10 SCHEDULES
- 11-15 DETAILS

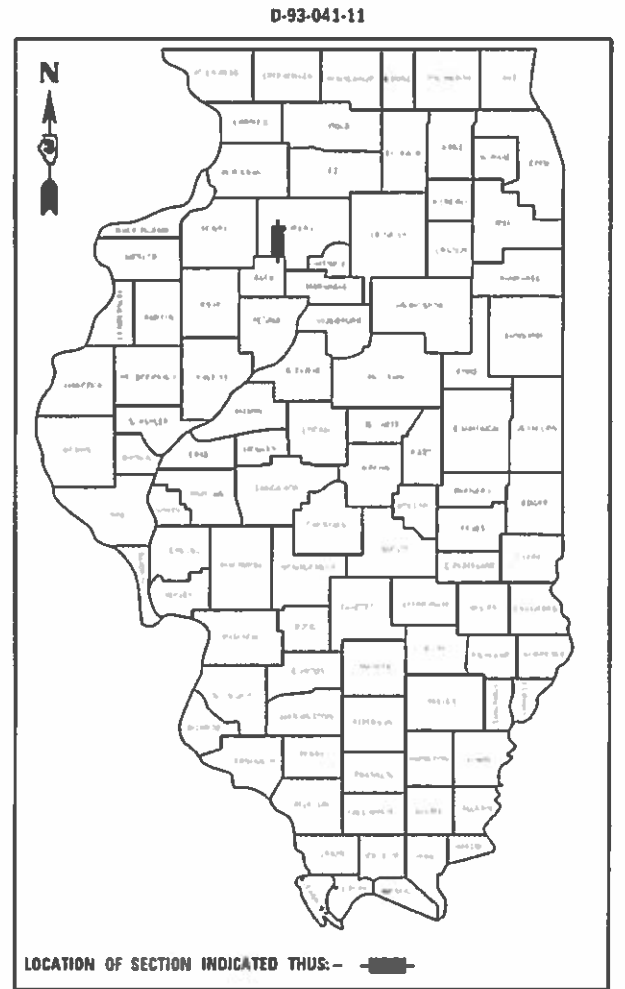
LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
406201-01	MAILBOX TURNOUT
630001-12	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG SPAN GUARDRAIL OVER CULVERT
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-15	TRAFFIC BARRIER TERMINAL TYPE 6
667101-02	PERMANENT SURVEY MARKERS
668001-01	U.S. GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS
701006-05	RESETTING METHOD
701006-05	OFF-ROAD OPERATIONS 2L 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L 2W DAY ONLY
701301-04	LANE CLOSURE, 2L 2W SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L 2W SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE 2L 2W UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

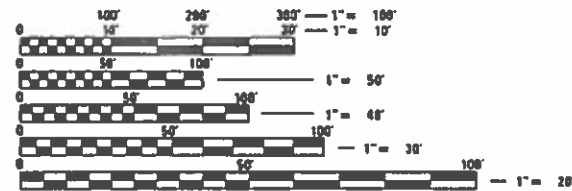
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 646 (IL 40)
SECTION (122)RS-5
PROJECT STP-N8C1(095)
3P MILLING AND RESURFACING
BUREAU COUNTY

C-93-049-11



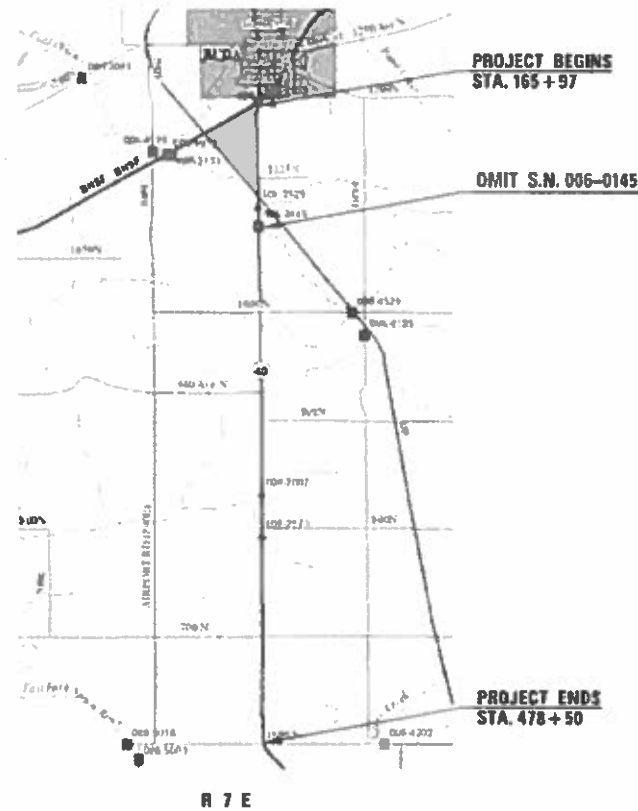
FUNCTION CLASSIFICATION
RURAL MINOR ARTERIAL
2017 ADT = 1300
P.V. = 70.0% S.U. = 12.7% M.U. = 17.3%



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: BRAD DUNCAN, P.E.
UNIT CHIEF: DARCY CARPENTER
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66A92



GROSS LENGTH = 31,838.4 FT. = 6.03 MILE
NET LENGTH = 31,520.4 FT. = 5.97 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 05/12 2019
Kevin Muehle proj
REGIONAL ENGINEER

June 28, 19
Paul E. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 28, 19
Paul E. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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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 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.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

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.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

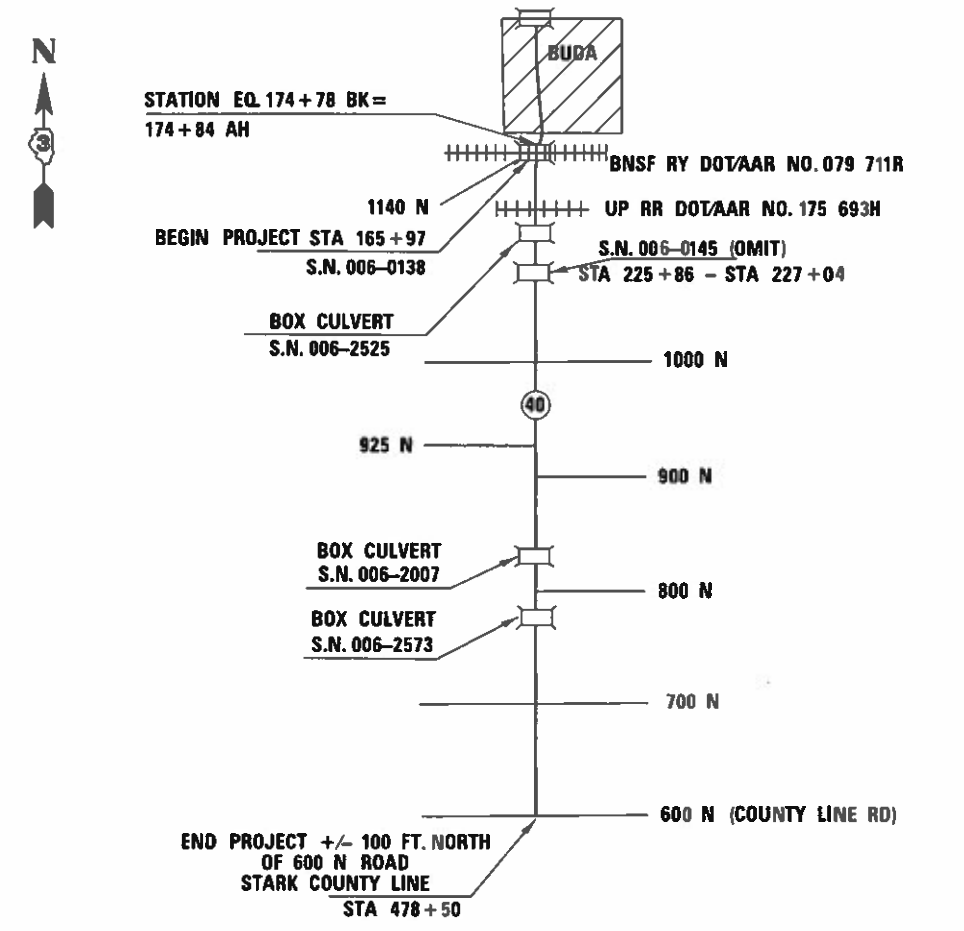
ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

Table with 3 columns: Material Name, Quantity, and Units. Includes rows for Granular Materials, HMA Resurfacing, Short Term Pavement Marking, Mix for Cracks, JTS & Flgwys, Level Binder, Supplemental Watering, Calcium Chloride, and Aggregate Ditch Checks.

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

COMMITMENTS:



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE AS BUILT INFORMATION

Signature lines for Supervising Construction Field Engineer, Resident Engineer / Technician, Start & End Dates of Construction, and Inspectors.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE

Signature lines and roles for District Studies & Plans Engineer, District Construction Engineer, District Materials Engineer, and District Operations Engineer.

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Table for drawing management with columns: USER NAME, DESIGNED, DRAWN, CHECKED, DATE, REVISED, REVISIONS.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO. Includes values like 646, (122)RS-5, BUREAU, 15, 2, and 66A92.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTR. CODE	
				ROADWAY	
				0005	
				RURAL	
28000315	AGGREGATE DITCH CHECKS	TON	25		25
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	202		202
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9026		9026
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	28		28
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	222		222
40600990	TEMPORARY RAMP	SQ YD	115		115
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	10307		10307
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1390		1390
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	9710		9710
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	447		447
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1213		1213
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	89350		89350
44000182	HOT-MIX ASPHALT SURFACE REMOVAL, 8"	SQ YD	669		669
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2363		2363

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USER NAME = carpenterj	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 5/7/2019	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ SHEET 1 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(122)RS-5	BUREAU	15	3
			CONTRACT NO. 66A92	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				ROADWAY	
				0005	
				RURAL	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	3237.5		3237.5
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	75		75
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	200		200
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6		6
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	18		18
63200310	GUARDRAIL REMOVAL	FOOT	3301		3301
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	4		4
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3		3
67100100	MOBILIZATION	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	11794		11794
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1297		1297
* 70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	85850		85850

* SPECIALTY ITEM

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	DRAWN - _____	REVISION - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISION - _____
PLOT DATE = 5/6/2019	DATE - _____	REVISION - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(122)RS-5	BUREAU	15	4
CONTRACT NO. 66A92				
ILLINOIS FED. AID PROJECT				

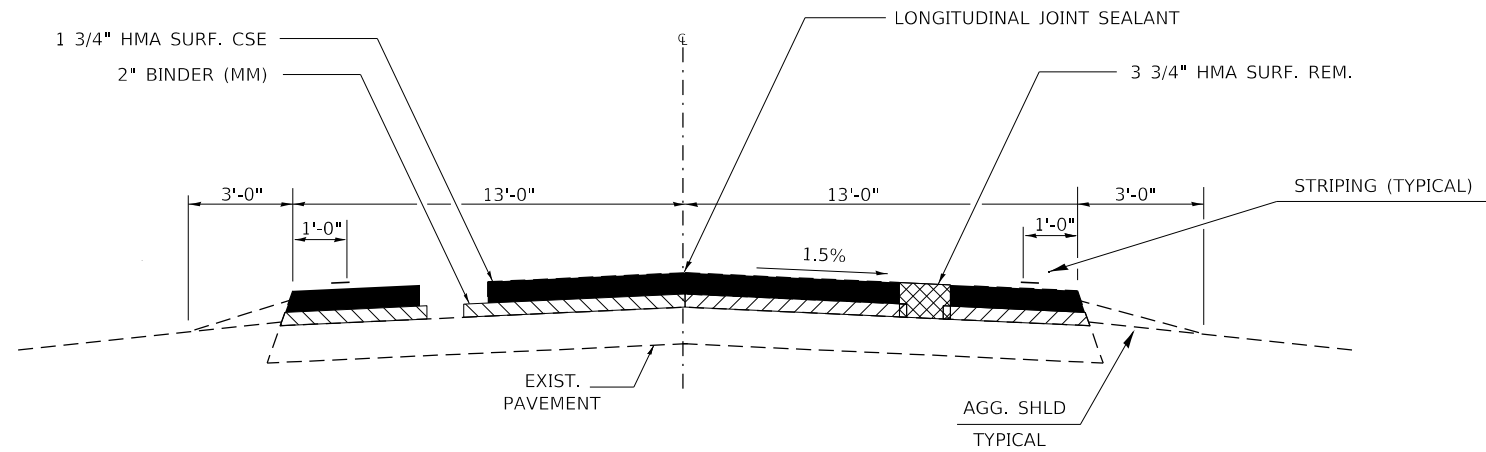
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				ROADWAY	RURAL
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	8736	8736	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	18	18	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	171700	171700	
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	17472	17472	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	437	437	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	61	61	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	437	437	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	3993	3993	
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	1147	1147	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	30929	30929	
Z0034105	MATERIAL TRANSFER DEVICE	TON	20260	20260	
∅ Z0076600	TRAINEES	HOUR	2,000	2,000	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2,000	2,000	

* SPECIALTY ITEM

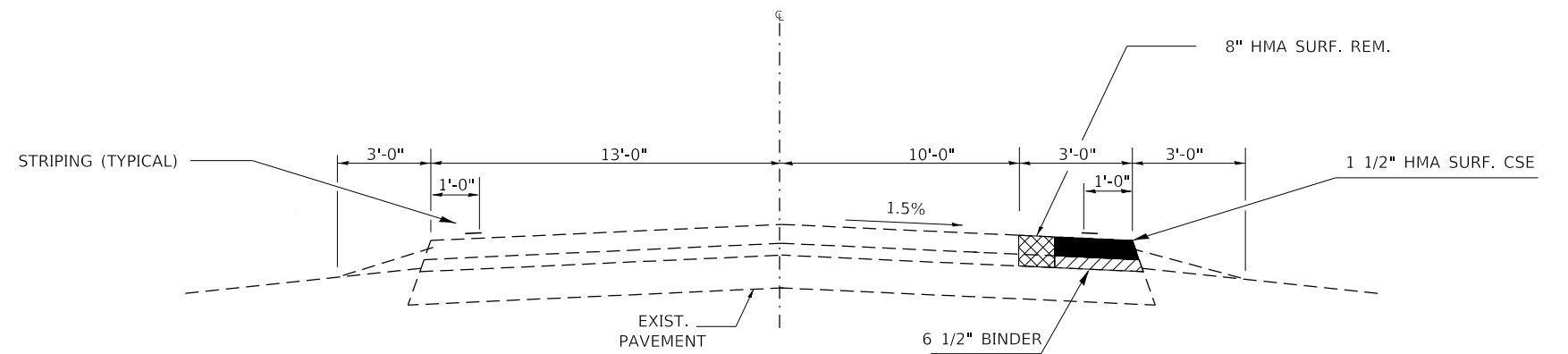
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USER NAME = pletschr PLOT SCALE = 100.0000' / in. PLOT DATE = 5/6/2019	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. = 646 SECTION = (122)RS-5 COUNTY = _____ BUREAU = _____ CONTRACT NO. = 66A92	TOTAL SHEETS = 15 SHEET NO. = 5	SCALE: _____ SHEET 3 OF 3 SHEETS STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT
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TYPICAL SECTION

STA 165+97 - 174+78
 STA EQ 174+78 - 174+84
 STA 174+84 - 225+86
 STA 227+04 - 478+50



TYPICAL SECTION

INTERMITTENT RESURFACING

HMA MIXTURE REQUIREMENT TABLE							
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	URBAN	URBAN	URBAN	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE COURSE	HMA BINDER	HMA STABILIZATION	INTERMITTENT 3' BINDER	INTERMITTENT 3' SURFACE	HMA INTERMITTENT 13'	HMA INCIDENTAL
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5	IL 19.0	IL 19.0	IL 9.5	IL 9.5	IL 9.5
FRICTION AGGREGATE:	MIXTURE C				MIXTURE C	MIXTURE C	MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCP	QCP	QCQA	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	1000 TONS	1000 TONS	NA	NA	NA	NA	NA
DENSITY TEST METHOD:	CORES	CORES	SATISFACTION OF ENGINEER	CORES	CORES	CORES	SATISFACTION OF ENGINEER

FILE NAME =	USER NAME = carpenterdj	DESIGNED -	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE: _____	SHEET NO. 1 OF 1 SHEETS
STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(122)RS-5	BUREAU	15	6
CONTRACT NO. 66A92				
ILLINOIS FED. AID PROJECT				

MAINLINE SCHEDULE												
STA. TO STA.	LENGTH	WIDTH	HMA SURF CSE MIX "C" N50 (1 3/4")	BINDER COURSE IL 9.5 N50 (2")	HMA SURF REM 3 3/4"	MIX FOR JTS, CRACKS & FLGWYS	LONG JOINT SEALANT	BIT. MAT'L (TACK COAT)	AGG SHLD TY B	BUTT JOINT	TEMP RAMP	
	FT	FT	TONS	TONS	SQ YD	TONS	FOOT	POUND	TONS	SQ YD	SQ YD	
163+58	165+97	171	26	OMIT SN 006-0138								
165+97	174+78	881	26	249.4	285	2545	0.8	881	191	66.9	8.7	
STA. EQ.	174+78=174+84											
174+84	224+86	5002	26	1416.1	1618	14450	4.3	5002	1084	379.8	8.7	
224+86	225+86	100	26	40.4				22	7.6	111.1	8.7	
225+86	227+04	118	26	OMIT SN 006-0145								
227+04	228+04	100	26	40.4				22	7.6	111.1	8.7	
228+04	478+50	25046	26	7090.8	8104	72355	21.7	25046	5427	1901.6	8.7	
TOTALS		31418		9102	10307	89350	27	30929	7082	2363	222	43

ADDITIONAL QUANTITY WAS ADDED FOR LOW SHOULDERS

AGG DITCH CHECK		
LOCATION	SIDE	AGGREGATE DITCH CHECK
		TONS
256+50	LT&RT	5
258+00	LT&RT	5
259+50	LT&RT	5
261+00	LT&RT	5
262+50	LT&RT	5
TOTALS		25

*THERE ARE EXISTING AGGREGATE DITCH AND STEEL DITCH CHECKS AT THESE LOCATIONS. THE STEEL PILING WILL BE REMOVED AND ADDITIONAL AGGREGATE WILL BE PLACED AT THESE LOCATIONS TO THE TOP OF THE EXISTING STEEL DITCH CHECKS.

GUARDRAIL SCHEDULE										
LOCATION	LENGTH OF NEED	GUARD-RAIL REM	TBT TY 1 SPECIAL TANGENT	TBT TYPE 6	SPBGR TY A 6 FT POSTS	LONGSPAN GUARDRAIL 12' 6"	LONGSPAN GUARDRAIL 25' 0"	HMA STAB 6" AT SPBGR (IL 19.0, N50)	GUARD-RAIL REFL TY A	TERMINAL MARKER DIRECT APPLIED
STA TO STA	FOOT	FOOT	EACH	EACH	FOOT	FOOT	FOOT	SQYD	EACH	EACH
SW QUAD (006-0138)	612.5	612.5	1	1	612.5			204	9	1
SE QUAD (006-0138)	100	100	1	1	100			33	2	1
SB APPROACH (006-2525)	234.5	225	1		212.5	50		88	4	1
SB DEPARTURE (006-2525)	151.5	150	1		137.5			46	3	1
NB APPROACH (006-2525)	231.5	225	1		212.5	50		88	4	1
NB DEPARTURE (006-2525)	150.5	150	1		137.5			46	3	1
SB APPROACH (006-0145)	215.5	212.5	1	1	212.5	37.5		71	4	1
SB DEPARTURE (006-0145)	136.5	137.5	1	1	137.5			46	3	1
NB APPROACH (006-0145)	205.5	200	1	1	200	37.5		67	4	1
NB DEPARTURE (006-0145)	138.5	137.5	1	1	150			50	3	1
SB APPROACH (006-2007)	204.5	200	1		187.5	50		79	4	1
SB DEPARTURE (006-2007)	126.5	126	1		112.5			38	2	1
NB APPROACH (006-2007)	203.5	200	1		187.5	50		79	4	1
NB DEPARTURE (006-2007)	127.5	125	1		112.5			38	2	1
SB APPROACH (006-2573)	158.5	150	1		162.5			54	3	1
SB DEPARTURE (006-2573)	92.2	100	1		100			33	2	1
NB APPROACH (006-2573)	157.5	150	1		162.5			54	3	1
NB DEPARTURE (006-2573)	92.5	100	1		100			33	2	1
TOTAL		3301	18	6	3237.5	75	200	1147	61	18

SIDEROADS & ENTRANCES								
NAME	STATION	MATERIAL	RT/LT	VARIABLE DEPTH	INCIDENTAL	BIT	AGG	TEMP RAMP
				REM	HMA SURF	MATL	SURF	
				SQ YD	MIX "C" N50	(TACK COAT)	CSE TY B	SQ YD
					TON	POUND	TON	
PE	172+90	AGG	LT	26.1	2.9	11.8		
1140 N	173+95	HMA	RT	188.4	21.1	84.8		9.3
PE/MB	176+57	AGG	LT	45.6	5.1	20.5		
CE	177+61	HMA/AGG	RT	126.0	14.1	56.7		
FE	178+11	EARTH	LT				5.7	
CE	183+28	HMA/AGG	RT	46.7	5.2	21.0		
CE	184+08	HMA/AGG	RT	46.7	5.2	21.0		
MB	184+10	HMA	LT	35.6	4.0	16.0		
FE	194+50	EARTH	RT				4.3	
FE	200+66	EARTH	LT				5.7	
PE / 1125N	202+70	HMA	LT	50.6	5.7	22.8		
FE	204+25	EARTH	RT				5.7	
RAILROAD CROSSING	211+28							
FE	211+73	EARTH	RT				4.3	
FE	212+94	EARTH	LT				5.7	
FE	222+56	EARTH	LT				5.7	
FE	229+15	EARTH	RT				8.5	
FE	229+29	EARTH	LT				5.7	
FE	239+04	EARTH	LT				8.5	
PE	245+10	HMA/AGG	RT	19.4	2.2	8.8		
MB	245+15	HMA	LT	88.9	10.0	40.0		
PE	246+19	AGG/AGG	RT	25.0	2.8	11.3		
FE	250+03	EARTH	LT				7.1	
FE	260+19	EARTH	RT				8.5	
FE	263+18	EARTH	LT				7.1	
1000N	269+50	HMA	LT/RT	273.3	30.6	123.0		7.3
PE	277+55	HMA/AGG	RT	19.4	2.2	8.8		
CE	280+15	HMA/AGG	RT	50.0	5.6	22.5		
CE	281+40	HMA/AGG	RT	50.0	5.6	22.5		
CE	283+07	AGG/AGG	LT	61.1	6.8	27.5		
CE	284+61	AGG/AGG	LT	61.1	6.8	27.5		
PE	295+88	AGG/AGG	LT	38.9	4.4	17.5		
FE	295+88	EARTH	RT				5.7	
PE	298+26	HMA	LT	50.0	5.6	22.5		
FE	306+82	EARTH	LT				7.1	
PE	307+00	HMA/CONC	RT	28.9	3.2	13.0		
925N	309+30	HMA	RT	136.7	15.3	61.5		7.3
PE	310+40	AGG/AGG	RT	38.9	4.4	17.5		
PE/MB	312+64	HMA/AGG	LT	33.3	3.7	15.0		
900N	322+61	HMA	LT	108.3	12.1	48.8		8.3
FE	322+67	EARTH	RT				5.7	
FE	336+01	EARTH	RT				5.7	
FE	349+30	EARTH	RT				5.7	
FE	252+88	EARTH	RT				5.7	
FE	353+05	EARTH	LT				8.5	
PE/MB	362+00	HMA/CONC	RT	23.3	2.6	10.5		
MB	362+00	HMA	LT	71.1	8.0	32.0		
PE	364+48	AGG/AGG	LT	25.0	2.8	11.3		
FE	336+78	EARTH	RT				5.7	
PE	370+15	HMA/AGG	RT	40.0	4.5	18.0		
MB	370+25	HMA	LT	71.1	8.0	32.0		
800N	376+25	HMA	LT	100.0	11.2	45.0		6.7
FE	380+20	EARTH	RT				8.5	
FE	389+34	EARTH	LT				8.5	
FE	395+88	EARTH	LT				7.1	
FE	402+84	EARTH	RT				5.7	
FE	402+84	EARTH	LT				5.7	
FE	410+13	EARTH	LT				5.7	
PE	410+13	HMA	RT	36.1	4.0	16.3		
MB	412+50	HMA	LT	53.3	6.0	24.0		
PE	412+58	HMA	RT	27.8	3.1	12.5		
CE	413+79	HMA/AGG	LT	178.9	20.0	80.5		
PE	413+93	HMA/AGG	RT	27.8	3.1	12.5		
CE	415+83	HMA/AGG	LT	178.9	20.0	80.5		
CE	419+33	CONCRETE	LT					
PE	426+15	HMA/AGG	RT	44.4	5.0	20.0		
MB	426+78	HMA	LT	53.3	6.0	24.0		
700N	429+90	HMA	LT/RT	1166.7	130.7	525.0		33.3
FE	434+27	EARTH	LT				7.1	
FE	443+60	EARTH	RT				5.7	
FE	453+00	EARTH	LT				8.5	
FE	456+29	EARTH	RT				7.1	
PE/MB	465+10	HMA/AGG	LT	77.8	8.7	35.0		
CE	467+74	HMA/AGG	RT	88.9	10.0	40.0		
MB	470+43	HMA	LT	26.7	3.0	12.0		
PE	471+43	HMA/AGG	RT	52.8	5.9	23.8		
TOTALS				3992.8	447.2	1796.8	202.2	72.3

INTERMITTENT RESURFACING SCHEDULE									
STA. TO STA.		LENGTH	WIDTH	HMA SURF CSE MIX C N50	HMA BINDER CSE IL 19.0	3' HMA SURF REM 8"	13' HMA SURF REM 1 1/2"	MIX FOR JTS, CRACKS & FLGWYS	BIT. MAT'L TACK COAT
		FT	FT	TONS	TONS	SQ YD	SQ YD	TONS	POUND
NORTHBOUND									
HIGH ST	157+29								
156+89	155+79	110	3	3.1	13.3	37		0.0	3
154+49	152+99	150	3	4.2	18.2	50		0.0	4
B ST	151+45								
151+25	147+67	358	3	10.0	43.4	119		0.0	9
A ST	174+87								
MAIN ST	144+35								
143+95	141+55	240	3	6.7	29.1	80		0.0	6
141+55	139+55	200	13	24.3			289	0.1	22
NORTH ST	139+44								
139+24	137+74	150	3	4.2	18.2	50		0.0	4
136+86	136+06	80	13	9.7			116	0.0	9
STEWART ST	135+86								
135+46	133+86	160	13	19.4			231	0.1	17
133+26	131+66	160	13	19.4			231	0.1	17
SCHOOL ST	129+67								
SOUTHBOUND									
SCHOOL ST	129+67								
STEWART ST	135+86								
136+46	138+86	240	13	29.1			347	0.1	26
NORTH ST	139+44								
139+74	141+84	210	3	5.9	25.5	70		0.0	5
MAIN ST	144+35								
146+15	147+87	172	3	4.8	20.9	57		0.0	4
A ST	174+87								
147+87	151+45	358	3	10.0	43.4	119		0.0	9
B ST	151+45								
152+25	154+25	200	3	5.6	24.3	67		0.0	5
HIGH ST	157+29								
TOTALS				161	243	669	1213	0.6	147

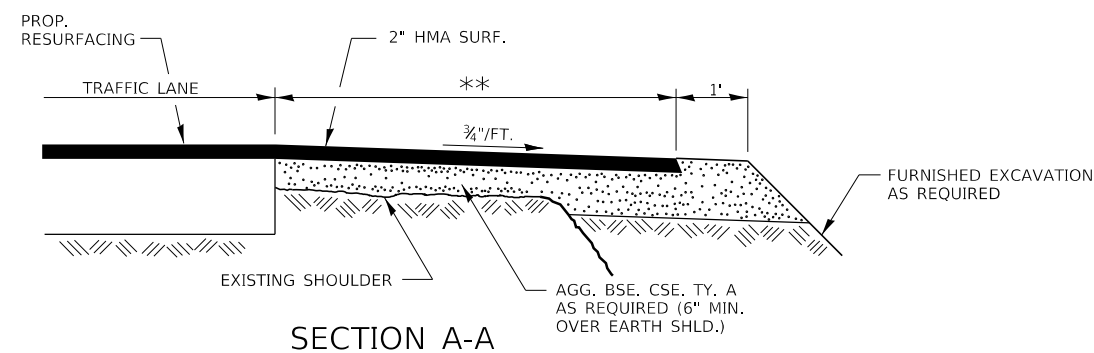
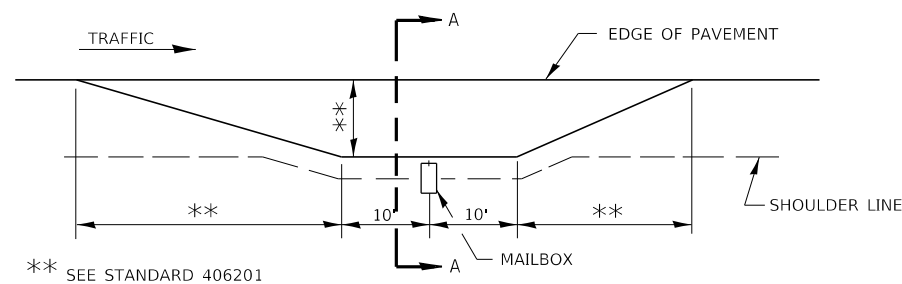
PAVEMENT MARKING SCHEDULE											
LOCATION			PAINT 4" WHITE	PAINT 4" YELLOW	PAINT 6" YELLOW	TEMP MARK 4" FOOT	TEMP MARK 6" FOOT	SHORT- TERM MARK FOOT	SHORT-TERM PAVT MARK REM SQ FT	RAISED REFLECTIVE PVMT MARKERS EACH	RAISED REFLECTIVE PVT MK REM EACH
STA			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT			
129+00	TO	174+78	EDGE LINES	9156			9156	1373	151	57	57
STA. EQ.	TO	174+78 BK= 174+84 AH									
174+84	TO	478+50	EDGE LINES	60732			60732	9110	1002	380	380
129+00	TO	174+78	SKIP LINES				1145	1145	172	19	
STA. EQ.	TO	174+78 BK= 174+84 AH									
174+84	TO	478+50	SKIP LINES				7592	7592	1139	125	
NO PASSING ZONES (1)											
149+86	TO	157+78	RT		792.0		792.0				
157+78	TO	176+20	RT & LT		3684		3684				
176+20	TO	184+12	RT		792		792				
184+12	TO	194+68	LT		1056		1056				
207+88	TO	210+52	RT		264		264				
210+52	TO	215+80	LT		528		528				
252+76	TO	263+32	RT		1056		1056				
263+32	TO	268+60	LT		528		528				
268+60	TO	271+24	RT & LT		528		528				
271+24	TO	276+52	RT		528		528				
276+52	TO	279+16	RT & LT		528		528				
279+16	TO	287+08	LT		792		792				
289+72	TO	297+64	RT		792		792				
297+64	TO	300+28	RT & LT		528		528				
300+28	TO	313+48	LT		1320		1320				
456+04	TO	478+50	RT		2246		2246				
SUB TOTAL				69888	15962	8736					
SECOND APPLICATION OF PAINT				69888	15962	8736					
GRAND TOTAL				139776	31924	17472	85850	8736	11794	1297	437

(1) R.E. TO VERIFY NO PASSING ZONES PRIOR TO MILLING OPERATION

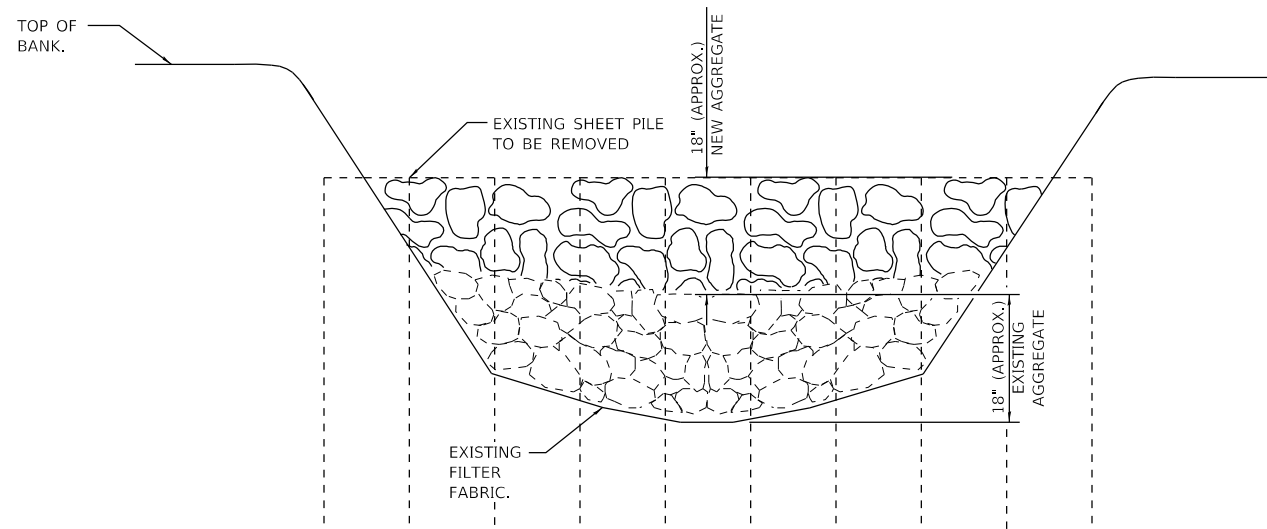
ILL. RTE. 40		LOCATION: BNSF RR S OF BUDA TO STARK COUNTY LINE					BUREAU COUNTY	
GPS NUMBER	DESCRIPTION	APPROXIMATE LOCATION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED *	RESPONSIBILITY		
40000	SW CORNER SECTION 34, T15N, R7E, 4TH PM	STARK COUNTY LINE	SURVEY NAIL	SURVEY NAIL	NO	2		
40001	E QUARTER CORNER SECTION 33, T15N, R7E, 4TH PM	1/2 MILE NORTH OF STARK COUNTY LINE, 4 FEET +/- WEST OF CL	PK NAIL	TYPE 1	YES	1		
40002	NE CORNER SECTION 33, T15N, R7E, 4TH PM	CH 16, 1 MILE NORTH OF STARK CO LINE, 10 FEET +/- NORTH OF EW CL	PK NAIL	TYPE 1	YES	1		
40003	W QTR CORNER SECTION 27, T15N, R7E, 4TH PM	1.5 MILES NORTH OF STARK CO LINE, ON CL	PIN	SURVEY NAIL	YES	2		
40019	W QTR CORNER SECTION 27, T15N, R7E, 4TH PM	1.5 MILES NORTH OF STARK CO LINE, 5.5 FEET +/- WEST OF CL	PK NAIL	SURVEY NAIL	YES WITH 40003	2		
40004	NW CORNER SECTION 27, T 15N, R7E, 4TH PM	800 NORTH ROAD, 9 FEET +/- WEST OF CL	PK NAIL	TYPE 1	YES	1		
40010	NW CORNER SECTION 10, T 15N, R7E, 4TH PM	500 FEET +/- SOUTH OF U.P. RAILROAD TRACKS, 7 FEET +/- WEST OF CL	SURVEY NAIL	TYPE 1	YES	1		

COORDINATES ON THE LISTED MONUMENTS ARE KNOWN. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED. UNKNOWN MONUMENTS SET BY OTHERS MAY EXIST. IF FOUND, THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO GPS ANY MONUMENT(S) SUBJECT TO DAMAGE OR DESTRUCTION FROM THE RESURFACING WORK, AND INFORM THEM TO RESET THE MONUMENT(S) WHEN RESURFACING IS COMPLETE. THE R.E. IS TO INFORM THE PLATS AND PLANS SECTION TO SEARCH FOR ADDITIONAL MONUMENTS IF THE JOB LIMITS ARE EXPANDED DURING CONSTRUCTION. UPON PAVING COMPLETION, THE R.E. WILL DIRECT PLATS AND PLANS PERSONNEL TO STAKE THE LOCATIONS FOR TYPE 1 MONUMENT CORING. * PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORDS.

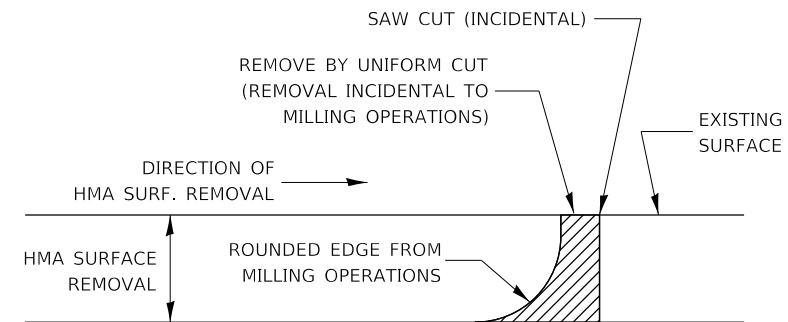
RESPONSIBILITY:
1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT



RURAL MAILBOX TURNOUT DETAILS

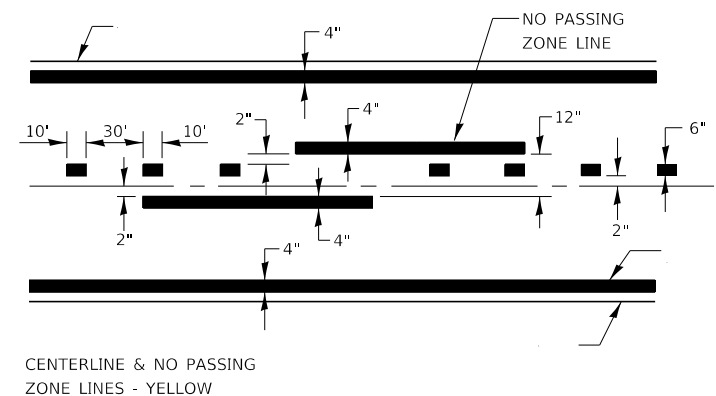


AGGREGATE DITCH CHECK DETAIL



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS



PAVEMENT MARKING

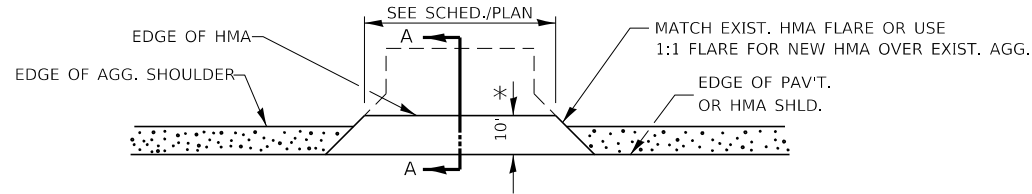
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pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366A92\Drawings\0366A92-shd-details.DGN		DRWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 5/3/2019	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: _____ SHEET NO. 1 OF 5 SHEETS STA. _____ TO STA. _____

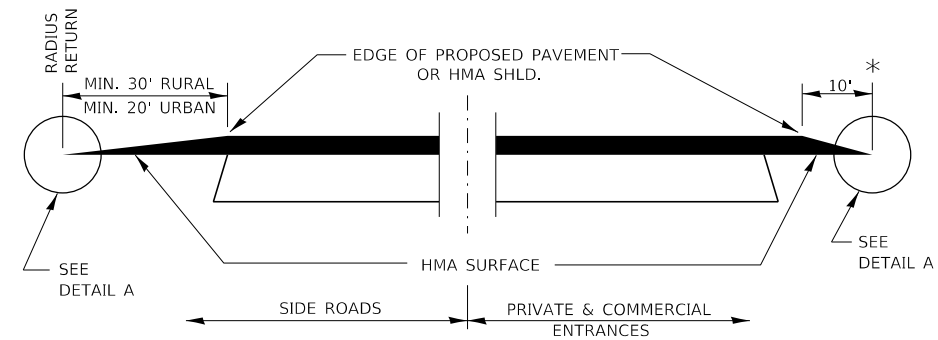
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(122)RS-5	BUREAU	15	11
CONTRACT NO. 66A92			ILLINOIS FED. AID PROJECT	



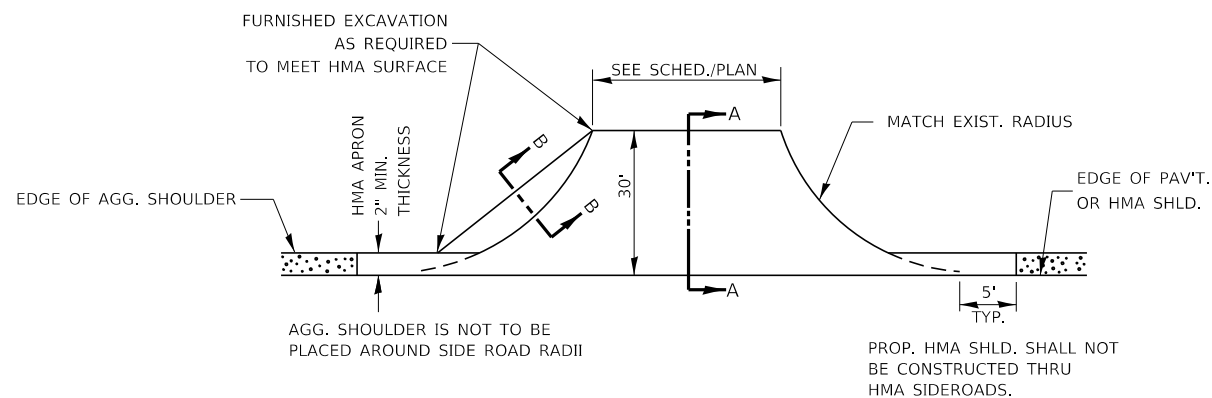
PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

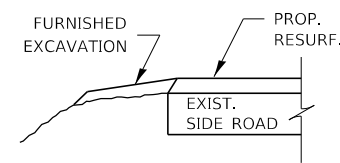
* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.



**SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS**

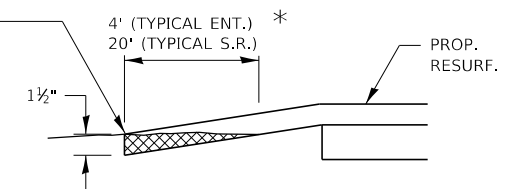


PLAN AT SIDE ROADS

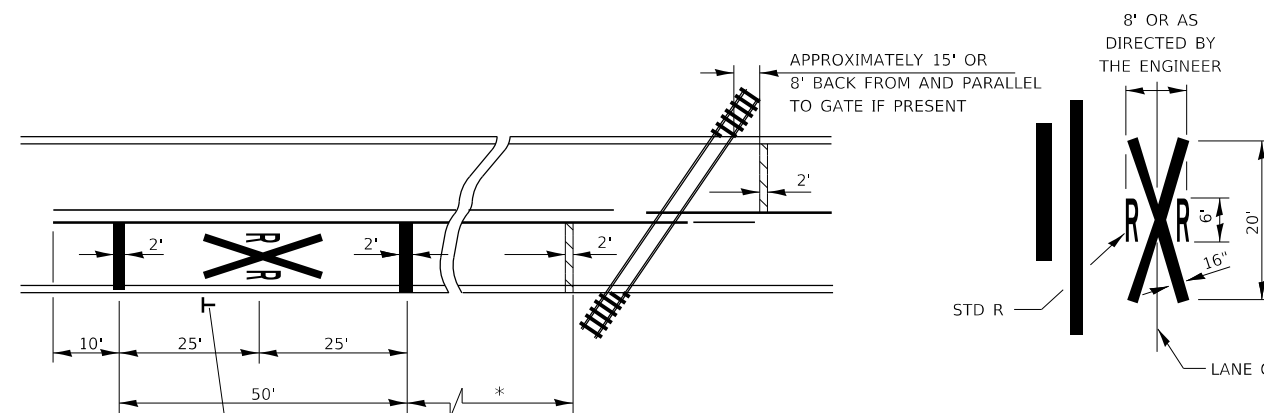


SECTION B-B

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



DETAIL A



* MINIMUM DISTANCE
500' FOR 55 MPH
375' FOR 45 MPH
250' FOR 35 MPH OR LESS



(W10-1)

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).

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

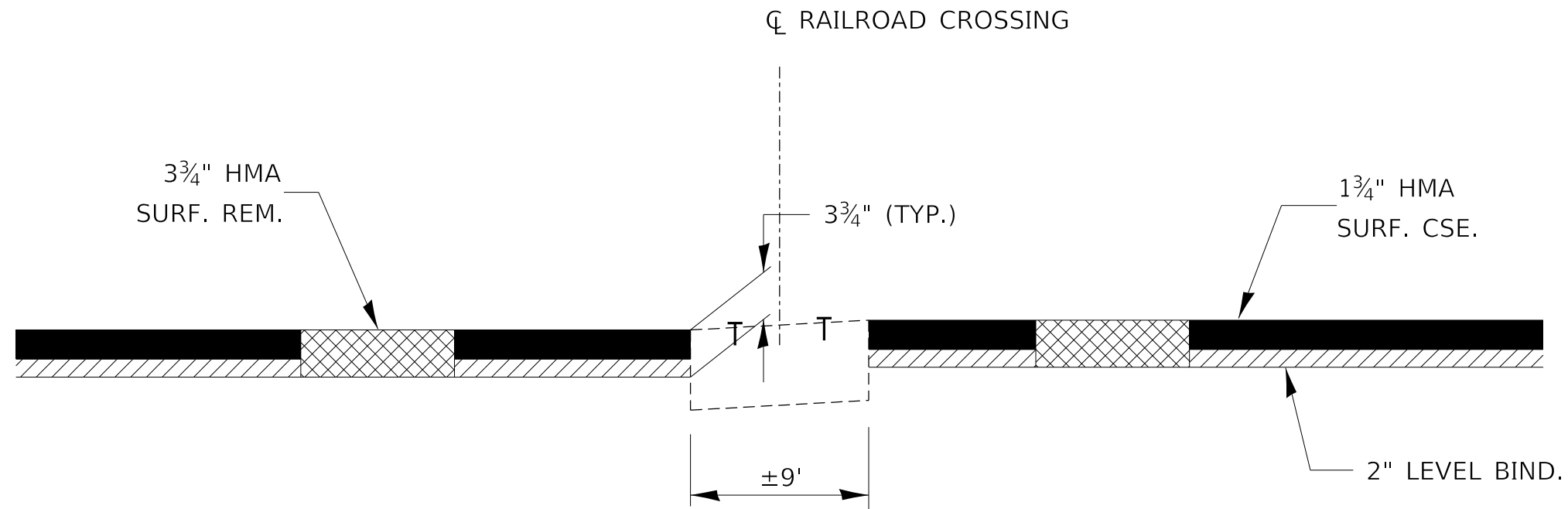
FILE NAME =	USER NAME = pletschr	DESIGNED - _____	REVISED - _____
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366A92\Drawings\0366A92-sh1-details.DGN		CHECKED - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.		DATE - _____	REVISED - _____
PLOT DATE = 5/3/2019			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

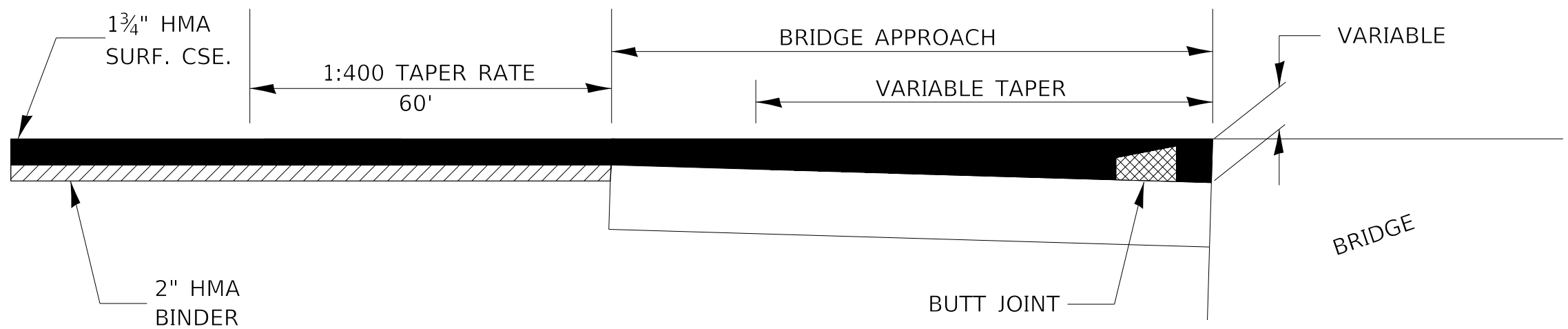
SCALE: _____ SHEET NO. 2 OF 5 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	(122)RS-5	BUREAU	15	12
CONTRACT NO. 66A92				
ILLINOIS FED. AID PROJECT				



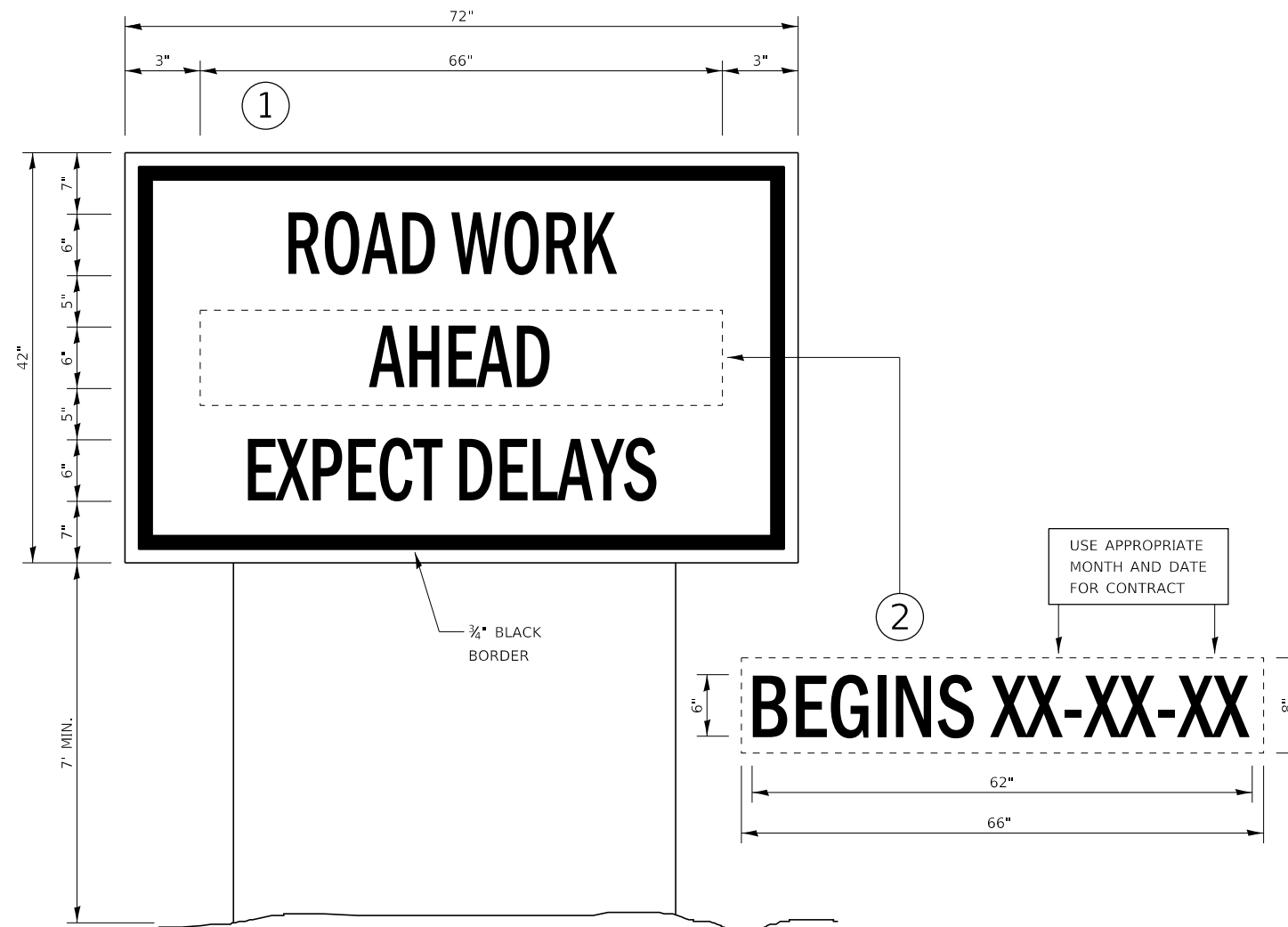
HMA SURFACE REMOVAL AT THE IL 40 - UNION PACIFIC RAILROAD CROSSING

FILE NAME =	USER NAME = pletschr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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PLOT SCALE = 100.0000' / in.						CHECKED - _____	CONTRACT NO. 66A92					
PLOT DATE = 5/3/2019						DATE - _____	ILLINOIS FED. AID PROJECT					



HMA RESURFACING AT FAILED APPROACHES
SN 006-0145

FILE NAME =	USER NAME = pletschr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 66A92			ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/3/2019						SCALE: _____	SHEET NO. 4 OF 5 SHEETS	STA. _____ TO STA. _____		



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 = pletschr	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366A92\0366A92-sh1-details.DGN						DRAWN	646	(122)RS-5	BUREAU	15	15
PLOT SCALE = 100.0000' / 1in.						CHECKED - _____	REVISED - _____	CONTRACT NO. 66A92			
PLOT DATE = 5/3/2019						DATE - _____	REVISED - _____	ILLINOIS FED. AID PROJECT			
SCALE: _____ SHEET NO. 5 OF 5 SHEETS STA. _____ TO STA. _____											