FOR INDEX OF SHEETS, SEE SHEET NO. 2



PLANS PREPARED BY:



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JOHNSON, DEPP & QUISENBERRY CONSULTING ENGINEERS 6450 South Sixth Street Road, Suite B Springfield, Illinois 62712 Phone: (217) 529-4534 Fax: (217) 529-8278



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 SANGAMON TOWNSHIP OR 811

PROJECT ENGINEER NANCY FASIG PROJECT MANAGER JASON STULTS DISTRICT 5 NO. (217)465–4181

CONTRACT NO. 70433

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED **HIGHWAY PLANS**

FAP ROUTE 721 (ILLINOIS 10) SECTION (115BR-1)BR PROJECT BHF-0721(077) PIATT COUNTY

C-95-077-04 SUPERSTRUCTURE REPLACEMENT **OVER MADDEN CREEK** 0.5 MILES EAST OF LODGE



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SECTION (115BR-1)BR INCLUDES: EXISTING SUPERSTRUCTURE OF S.N. 074-0005 AT STA. 1210+90 CARRYING F.A.P. RTE. 721 (IL. 10) OVER MADDEN CREEK TO BE REMOVED AND REPLACED.



GROSS LENGTH = 800.00 FEET = 0.152 MILES NET LENGTH = 800.00 FEET = 0.152 MILES



INDEX OF SHEETS

- COVER SHEET INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES SUMMARY OF QUANTITIES
- 3-4 5-6
- TYPICAL SECTIONS
- SCHEDULES OF QUANTITIES PLAN AND PROFILE SHEETS 8-10
- STAGE CONSTRUCTION PLANS 12-21
- STRUCTURE PLANS DISTRICT AND MISC. DETAILS 22-29
- 30-32 CROSS SECTIONS

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
515001-02	NAME PLATE FOR BRIDGES
606201-01	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
630001-07	STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-04	TRAFFIC BARRIER TERMINAL, TYPE 2
631032-03	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701001-01	OFF-ROAD OPERATIONS, 2L, 2W, MORE THEN 4.5 M (15') AWAY
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24")
	FROM PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-09	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901	TRAFFIC CONTROL DEVICES
704001-04	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

G.N.-100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.09A

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.31 UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED OUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

G.N.-406

G.N.-406 THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05B

G.N.-406.058 ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-440B THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-667 THESE MARKERS.

G.N.-703A

QUANTITIES:

GRANULAR BITUMINOU

AGGREGATE

HMA RESUL

SHORT TEF

FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED -		T	
\110149\plans\general notes.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS	INDEX OF SHEETS, HIGHWAY ST/	AN
Johnson, Depp & Quisenberry	PLOT SCALE = 40.00 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		
Springfield, Illinois	PLOT DATE = 06/17/2008 16:11:34	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS	; [

THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781 RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD T81001, AND THE DETAILS SHALL BE PLACED IN ACCORDANCE WITH STANDARD T81001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN, THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE),

G.N.-1004.01 COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN

MATERIALS	1.8	TONS / CU YD
JS MAT PRIME COAT	0.08 0.375	GAL / SQ YD OR GAL / SQ YD
E PRIME COAT	0.002	TONS / SQ YD
RFACING	112	LBS / SQ YD / IN
RM PAVEMENT MARKING	4	FT / 40 FT OF APPLICATION

			F.A.I RTE	?.		SEC.	TION			COUNTY	r	TOTAL SHEETS	SHEET NO.
DARDS, G	ENERAL	NOTES	721			(115BF	R~1)BR		Т	PIATT		32	2
									1	CONTR	ACT	NO. 7	0433
STA.	то	STA.	FED.	ROAD	DIST.	NO.	ILLINOIS	FED.	AID	PROJECT			

SUMMARY OF QUANTITIES

CODE NO.	ІТЕМ	UNIT	TOTAL QUANTITY	STRUCTURE BO% FEDERAL 20% STATE								
20200100			100	X081-2A			<u> </u>	<u> </u>				
20200100			100					1				-
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25								-
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23								<u> </u>
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POLIND	23	23								
												<u> </u>
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23								
25100115	MULCH, METHOD 2	ACRE	0.25	0.25								
25100630	EROSION CONTROL BLANKET	SQ YD	466	466								-
28000250	TENDODADY EDOSTON CONTROL SEEDING	ROUND	25	25								—
20000230								1				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	28	28								
40600300	AGGREGATE (PRIME COAT)	TON	0.8	0.8								<u> </u>
40600625	LEVELING BINDER (MACHINE METHOD). N50	TON	15	15								-
												<u> </u>
40600990	TEMPORARY RAMP	SQ YD	108	108								-
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	30	30								
42001300	PROTECTIVE COAT	SQ YD	35	35								-
44000158		SO VD	355	356								—
44000138	NUT-MIA ASTRALI SURFACE REMUVAL, 2 1/4	30 10		336								
44000400	GUTTER REMOVAL	FOOT	93	93								-
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1						1		<u> </u>
50102400	CONCRETE REMOVAL	CU YD	2.0	2.0								
50300225			2.0	20								—
30300223			2.0	2.0								
50300260	BRIDGE DECK GROOVING	SQ YD	497	497								
50300300	PROTECTIVE COAT	SQ YD	531	531								<u> </u>
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	4,770	4,770								-
50800205	REINFORCEMENT BARS FROXY COATED	POLIND	6,790	6.790								—
												<u> </u>
50800515	BAR SPLICERS	EACH	153	153			+					
51500100	NAME PLATES	EACH	1	1								
52000110	PREFORMED JOINT STRIP SEAL	FOOT	64	64								<u> </u>
59000200	EPOXY CRACK INJECTION	FOOT	40	40								F
33000200												
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	5.8	5.8								<u> </u>
• 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	537.5	537.5			1	ļ				F
• 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2				+				
67100007		EACH.	7	7								—
- 18000159 -	INAFFIC DARRIER IERMINAL, ITEE 6A	ICAUM	1 3	1 3		I	1	1	1	1	1	1

LEGEND:

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* SPECIALTY ITEMS

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		F.A.P. RTE.	SECTION		IO.1 OF 2

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SUMMARY OF QUANTITIES

				TOTAL	STRUCTURE							
c	ODE NO.	ITEM	UNIT	QUANTITY	20% STATE							
* 63	3100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1		 	· · · · · · · · · · · · · · · · · · ·		+		
63	3200310	GUARDRAIL REMOVAL	FOOT	511	511		 					
+ 63	3300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	50.0	50.0							<u> </u>
6	7000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4							
6	7100100	MOBILIZATION	L SUM	1	1							
70	0100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1							
7(0100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1							
70	0106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1							
70	0106700	TEMPORARY RUMBLE STRIP	EACH	6	6							
70	0300100	SHORT-TERM PAVEMENT MARKING	FOOT	136	136		 					—
	0701000		CO CT	45	AE		 					
	0301000	WORK ZUNE FAVEMENT MARKING REMUVAL	SUFI	45	45							-
70	0400100	TEMPORARY CONCRETE BARRIER	FOOT	425	425		 				ļ	
70	0400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	400	400							
• 78	8001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,543	1,543							<u> </u>
• 78	8100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9	9							
+ 78	8100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	2	2							
* 78	8200410	GUARDRAIL MARKERS, TYPE A	EACH	14	14							
* 78	8201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3							
78	8300100	PAVEMENT MARKING REMOVAL	SQ FT	515	515							
78	8300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11							<u> </u>
X	0323078	REMOVE AND RE-ERECT EXISTING BRIDGE RAIL	FOOT	299	299							
X	0324865	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	782	782							
X	0325305	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN SINCHES)	SQ FT	172.0	172.0	· · · · · · · · · · · · · · · · · · ·	 					
XS	5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	531	531							
Xe	6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	3	3							
* X1	7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1							
• X>	X005496	TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH	1	1							
ZC	0001900	ASBESTOS BEARING PAD REMOVAL	EACH	52	52							
ZC	0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2							
ZC	0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2							\vdash
												<u> </u>

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* SPECIALTY ITEMS

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Johnson, Depp & Quisenberry	PLOT SCALE = 20.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					
CONSULTING ENGINEERS Springfield, Illinois	PLOT DATE = 06/17/2008 16:11:50	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	ST

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	SHEET NO. 2 OF 2
ANTITIES	F.A.P. SECTION COUNTY TOTAL SHEET NO.
	121 (115BR-1)BR PIATT 32 4 CONTRACT NO. 70433
STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

(4) STA. 120 CONCRE STA. 120 PCC BA /W 6'' STA. 121 CONCRE	07+00 TO STA. 1207 TE GUTTER, TYPE B 07+10 TO STA. 1209- ASE COURSE WIDENIN CURB 4+50.46 TO STA. 12 TE GUTTER, TYPE B	+10 SPECIAL +05.24 G (3' WIDE) 15+00 SPECIAL	EXIST. R.O.W.	¢ F.A.P. ¢ F.A.P. ¢ F.A.P. PG STRIPE 1.5% 1.5 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 2 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	721 (IL. 10) 2 2 2 2 3 4 4 4 4 4 4 4 5 6 7 3 6 7 7 7 7 7 7 7 7 7 7 7 7 7
(3) STA. 120 HMA RE STA. 121 HMA RE STA. 121 HMA RE OVER C	97+00 TO STA. 1210- SURFACING (THICKNE 1+63.80 TO STA. 121 SURFACING (THICKNE 1+84.80 TO STA. 121 SURFACING (THICKNE GRANULAR EMBANKME)	+14.86 ESS VARIES 2 3/4 11+84.80 ESS 3 1/4'') 15+00 ESS 6'') NT (THICKNESS 6''	"+ TO 6"+) ±	STA. 1207+00.00 TO STA. STA. 1214+50.46 TO STA.	1209+05.24 1215+00.00 (1) (2) (3) (4) (5)
 STA. 120 HMA BA STA. 120 HMA BA STA. 120 HMA BA STA. 121 HMA BA STA. 121 HMA BA STA. 121 HMA BA 	07+00 TO STA. 1207 ASE COURSE WIDENIN 07+92.76 TO STA. 12 ASE COURSE WIDENIN 09+05.24 TO STA. 12 ASE COURSE WIDENIN 1+63.80 TO STA. 12 ASE COURSE WIDENIN 1+84.80 TO STA. 12 ASE COURSE WIDENIN 4+50.46 TO STA. 12 ASE COURSE WIDENIN	+92.76 IG 8" (3' WIDE) 209+05.24 IG 9" (3' WIDE) 210+14.86 IG 9" (4'-9" WIDE) 11+84.80 IG 9" (1'-4" WIDE) 14+50.46 IG 9" (4'-9" WIDE) 15+00 IG 9" (3' WIDE)	VARIABL	¢ F.A.P. E C C C C C C C C C C C C C	721 (IL. 10) 2 2 2 2 2 2 2 2 2 2 2 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 2 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4 4 3 4 4 3 4 4 3 4 4 4 3 4 4 4 4 5 4 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5
NOTES: (1) STA. 120 PCC PA STA. 121 BRIDGE (16 1/2 STA. 121 PCC PA	7+00 TO STA. 1210- VEMENT 9''-6''-9'' 1+63.80 TO STA. 12: APPROACH PAVEMEN 2''-10 1/2''-16 1/2'') 1+84.80 TO STA. 12: VEMENT 9''-6''-9''	+14.86 11+84.80 NT 24' WIDE 15+00			

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MIXTURE USE	SURFACE	LEVELING BINDER
PG GRADE	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE	15 %	25 %
DESIGN AIR VOIDS	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMPOSITION	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX C	MIX C
PLANT CONTROL LIMITS	HIGH ESAL	HIGH ESAL
DENSITY CONTROL METHOD	NUCLEAR	N.A.
IF RAP OPTION IS SELEC	TED, THE ASPHALT CEMENT	GRADE MAY NEED TO BE

ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

FIL	E NAME =	USER NAME = SJS	DESIGNED -	REVISED -								F.A.P.	SEC	TION	COUNTY	TOTAL	SHEET
k:\	110149\Plans\typical.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS			TYPI	CAL SEC	TIONS		721	(115B	R-1)BR	PIATT	32	6
10	Johnson, Depp & Quisenberry	PLOT SCALE = 100,000 ′ / IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION										CONTRACT	NO. 7	/0433
	Springfield, Illinois	PLOT DATE = 06/17/2008 16:12:18	DATE -	REVISED -		SCALE:	SHEET NO.	0F	SHEETS	STA.	TO STA.	FED. ROAD	DIST. NO.	ILLINOIS FED. AID	PROJECT		-

HMA SURFACE COURSE, MIX "C", N50 (168 LBS/SQ YD) *(11) LEVELING BINDER (MACHINE METHOD), N50 (84 LBS/SQ YD) HMA SURFACE REMOVAL, 2 1/4"

> * STA. 1209+64.86 TO STA. 1210+14.86 STA. 1211+63.80 TO STA 1212+13.80

BECAUSE THE THICKNESS OF THE HMA RESURFACING OVER THE EXISTING PCC BASE COURSE WIDENING (3') STA. 1209+05.24 TO STA. 1210+14.86 AND STA. 1211+63.80 TO STA. 1214+50.46 IS UNKNOWN. THE QUANTITIES FOR PROPOSED SURFACE REMOVAL AND PROPOSED RESURFACING MAY NEED TO BE ADJUSTED AT THE TIME OF CONSTRUCTION.

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARIHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA. 1207+00 TO STA. 1210+14.86 STA. 1211+63.80 TO STA. 1215+00	100 0	75 0	7 10 . 2	68 -10 . 2
TOTAL =	100.0	75.0	17.2	57.8
ASSUME SHRINKAGE FACTOR - 25% E	ARTH EXCAVATI	ON		
EARTH EXCAVATION = 100.				
SEEDING, CLASS 2A				
LOCATION STA. 1207+00 TO STA. 1210+14.86	ACRE 0.16			
STA. 1211+63.80 TO STA. 1215+00 TOTAL (USE 0	0.05 = 0.21			
NITROGEN FERTILIZER NUT	RIENT			
LOCATION	POUND			
SAME AS CLASS 2A SEEDING	23 NL = 23			
PHOSPHORUS FERTILIZER N	UTRIENT			
LOCATION	POUND			
SAME AS CLASS 2A SEEDING	23			
PUTASSIUM FERTILIZER NU				
SAME AS CLASS 2A SEEDING	23			
TOT	AL = 23			
MULCH, METHOD 2				
	ACRE			
SAME AS CLASS 2A SEEDING TOTAL	= 0.21			
(USE 0.	25)			
EROSION CONTROL BLANKE	T			
(SLOPES STEEPER THAN 1:3) LOCATION	SQ YD			
RT. STA. 1207+00 TO RT. STA. 1209	9+00 466			
	UIAL = 466			
LICATION	INUL SEED	LING		
SAME AS CLASS 2A SEEDING	25			
тот	AL = 25			
BITUMINOUS MATERIALS (A	PRIME COAT	<u>[]</u> COAT COLDMILL	.)	
STA. 1209+64.86 TO STA. 1210+14.8	6 14			
STA. 1211+63.80 TO STA. 1212+13.80) 14 TOTAL = 28			
	101AL - 20			
(AREAS MEASURED IN MICROSTATION	I) (BASED ON 1	COAT COLDMILL	.)	
LOCATION	TON			
STA. 1209+04.00 TO STA. 1210+14.8) 0,4			
	TOTAL = 0.8			
LEVELING BINDER (MACHIN (AREAS MEASURED IN MICH	IE METHOD) ROSTATION)	<u>, N50</u>		
STA. 1209+64.86 TO STA. 1210+14.8	6 7.5			
STA. 1211+63.80 TO STA. 1212+13.80) 7.5 TOTAL = 15			
TEMPORARY RAMP				
LOCATION SQ YD				
STA. 1209+64.86 27				
STA. 1210+14.06 27				
STA. 1212+13.80 27				
HOT-MIX ASPHALT SURFAC	CE COURSE,	MIX "C",	N50	
LOCATION	TON			
STA. 1209+64.86 TO STA. 1210+14.8 STA. 1211+63.80 TO STA. 1212+13.80 T	6 15 0 15 0TAL = 30			
PROTECTIVE COAT	0. ME 00			
LUCATION LT. STA, 1214+22 TO LT. STA, 1215	+00 35			
	TOTAL - 35			

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (AREA BY MICROSTATION)
STA. 1209+64.86 TO STA. 1210+14.86 178 STA. 1211+63.80 TO STA. 1212+13.80 178 TOTAL = 356
GUTTER REMOVAL
LOCATION FOOT LT. STA. 1214+13 TO LT. STA. 1215+00 93 TOTAL = 93
CLASS SI CONCRETE (OUTLET)
LOCATION CU YD LT. STA. 1214+22 TO LT. STA. 1215+00 5.8 TOTAL = 5.8
STEEL PLATE BEAM GUARD RAIL, TYPE A
RT. STA. 1207+96.71 TO RT. STA. 1209+71.71 175.0
LI, SIA, 1208+37,59 TO LI, SIA, 1209+50,09 112.5 RT, STA, 1212+06.95 TO RT, STA, 1212+81.95 75.0
LT. STA. 1212+06.95 TO LT. STA. 1213+81.95 175.0 TOTAL = 537.5
TRAFFIC BARRIER TERMINAL, TYPE 2
LOCATION EACH
LT. STA. 50+51.18 TO LT. STA. 50+65.97 1 BT. STA. 50+48.48 TO BT. STA. 50+63.27 1
TOTAL = 2
TRAFFIC BARRIER TERMINAL, TYPE 6A
LOCATION EACH RT. STA. 1209+71.71 TO RT. STA 1210+14.86 1
LT. STA. 1211+63.80 TO LT. STA. 1212+06.95 1 RT. STA. 1211+63.80 TO RT. STA. 1212+06.95 1
TOTAL = 3
LOCATION EACH
RT. STA. 1207+46.71 TO RT. STA. 1207+96.71 1 TOTAL = 1
GUARDRAIL REMOVAL
(* INCLUDES SIDEROAD GUARDRAIL) LOCATION FOOT
RT, STA, 1208+75 TO RT, STA, 1210+15 140
LT, STA, 1211+64 TO LT, STA, 1213+17 153 RT, STA, 1211+64 TO RT, STA, 1212+29 65
TOTAL = 511
STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)
LT, STA, 1209+50.09 TO LT, STA, 50+51.18 9 (TR 1125E) 50 TOTAL = 50
ENGINEER'S FIELD OFFICE, TYPE B
LOCATION CAL MO
TOTAL = 4
SECTION (115BR-1)BR 1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701321
LOCATION EACH
TOTAL = 1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701201
SECTION (115BR-1)BR 1 TOTAL = 1
TEMPORARY BRIDGE TRAFFIC SIGNALS
LOCATION EACH
TOTAL = 1
TEMPORARY RUMBLE STRIP
(SEE STANDARD 701321) RT STA 1189467 1
RT. STA. 1101/07 1 RT. STA. 1104+67 1
K1. S1A. 1199+67 1 LT. STA. 1221+58 1
LI, SIA, 1226+58 1 LT, STA, 1231+58 1
TOTAL = 6

LOCATION FOOT STAGE CONSTRUCTION: STA 1200+67 TO STA, 1214+58 (YELLOW SKIP-DASH) 56 TOTAL = 136 WORK ZONE PAVEMENT MARKING REMOVAL LOCATION SQ FT STAGE CONSTRUCTION: STA 1206+67 TO STA, 1212+13.80 (YELLOW SKIP-DASH) 27 RESURFACING STA, 1209+64.89 TO STA, 1212+13.80 (YELLOW SKIP-DASH) 18 TOTAL = 45 TEMPORARY CONCRETE BARRIER LOCATION FOOT STAGE 1 STA, 1209+64.89 TO STA, 1212+13.80 (YELLOW SKIP-DASH) 18 TOTAL = 45 TEMPORARY CONCRETE BARRIER LOCATION FOOT STAGE 2 STA, 1208+75 TO STA, 1212+67 MOD TOTAL = 425 RELOCATE TEMPORARY CONCRETE BARRIER LOCATION FOOT STAGE 2 STA, 1208+87 TO STA, 1212+87 MOD TOTAL = 400 PAINT PAVEMENT MARKING - LINE 4″ LOCATION FOOT STA, 1206+67 TO STA, 1212+87 (WHITE EDELINE) 400 TOTAL = 1643 STA, 1206+67 TO STA, 1212+87 (WHITE EDELINE) 425 LT, STA, 1208+87 TO LT, STA, 1212+87 (WHITE EDELINE) 400 TOTAL = 1543 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH STA, 1206+67 TO STA, 1214+58 (YELLOW NO-PASSING) 518 STA, 1206+67 TO STA, 1214+58 (YELLOW SKIP-DASH) 200 RT, STA, 1208+75 TOR, TSA, 1212+87 (WHITE EDELINE) 400 TOTAL = 1543 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH STA, 1210-410 TO STA, 1214+58 (YELLOW SKIP-DASH) 200 RT, STA, 1206+67 TO STA, 1214+58 (YELLOW SKIP-DASH) 200 RT, STA, 1206+67 TO STA, 1214+58 (YELLOW SKIP-DASH) 200 RT, STA, 1207+10 CT, STA, 1213+105 STA, 1206+67 TO STA, 1214+58 (YELLOW SKIP-DASH) 400 TOTAL = 1543 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH RT, STA, 1207+10,57 TO, STA, 1213+13,155 S TOTAL = 3 PAVEMENT MARKERS, TYPE A LOCATION EACH RT, STA, 1207+10,57 TO, 17, STA, 1233,1395 S TOTAL = 14 TERMINAL MARKERS, TYPE A LOCATION EACH RT, STA, 1207+10,57 TO, 17, STA, 123+13,155 S RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH RT, STA, 1207+10,57 TO, 17, STA, 123+10,57 TOTAL = 14 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH REMOVE: LOCATION EACH REMOVE: LOCATION EACH REMOVE: LOCATION EACH REMOVE: LOCATION EACH REMOVE: LOCATION EACH REMOVE: LOCATION EACH REMOVE: LOC	SHORT-TERM PAVEMENT MARKING	
STA. 1209+67. TO STA. 1214+58 (YELLOW SKIP-DASH) 80 RESURFACING STA. 1209+64.89 TO STA. 1212+13.80 (YELLOW SKIP-DASH) 56 TOTAL = 136 WORK ZONE PAVEMENT MARKING REMOVAL LOCATION S0 FT STA. 200+67 TO STA. 1212+13.80 (YELLOW SKIP-DASH) 27 RESURFACING STA. 1209+61.49 TO STA. 1212+13.80 (YELLOW SKIP-DASH) 18 TOTAL = 45 TEMPORARY CONCRETE BARRIER LOCATION FOOT STAGE 1 STA. 1208+75 TO STA. 1212+13.80 (YELLOW SKIP-DASH) 18 TOTAL = 45 TEMPORARY CONCRETE BARRIER LOCATION FOOT STAGE 2 STA. 1208+75 TO STA. 1213+00 425 TOTAL = 425 RELOCATE TEMPORARY CONCRETE BARRIER LOCATION FOOT STAGE 2 STA. 1208+87 TO STA. 1212+87 400 TOTAL = 400 PAINT PAVEMENT MARKING - LINE 4″ LOCATION FOOT STA. 1208+67 TO STA. 1214+58 (YELLOW NO-PASING) 518 STA. 1208+67 TO STA. 1214+58 (YELLOW NO-PASING) 518 STA. 1208+67 TO STA. 1214+58 (YELLOW NO-PASING) 518 STA. 1208+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 200 RT. STA. 1208+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 50 TOTAL = 1543 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH RT. STA. 1208+75 TO T. STA. 1213+31,95 STA. 1207+46,71 TO RT. STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1207+46,71 TO RT. STA. 1214+58 TOTAL = 13 PAVEMENT MARKING REMOVAL (FAVEMENT MARKING CONFLICT WITH STASING) ITAL = 14 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH REMOVE: DICATION EACH REMOVE: DICATION EACH REMOVE: DICATION EACH REMOVE: DICATION EACH REMOVE: DICATION EACH REMOVE: DICATION EACH REMOVE: DICA	LOCATION STAGE CONSTRUCTION:	FOOT
	STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH)	80
WORK ZONE PAVEMENT MARKING REMOVAL LOCATIONSO FTLOCATIONSO FTSTACE CONSTRUCTIONSTA 1204+64.89 TO STA. 1214+58 (YELLOW SKIP-DASH)18TOTAL = 45TEMPORARY CONCRETE BARRIER LOCATIONFOOTSTA. 1208+75 TO STA. 1212+80FOOTSTA. 1208+75 TO STA. 1212+87FOOTSTA. 1208+75 TO STA. 1212+87FOOTSTA. 1208+75 TO STA. 1212+87FOOTSTA. 1208+75 TO STA. 1212+87FOOTSTA. 1208+75 TO STA. 1214+768 (YELLOW NO-PASSING)SIBSTA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE)400FOTTFOOTSTA. 1208+75 TO RT. STA. 1213+90 (WHITE EDGELINE)400TOTAL = 400FOTT STA. 1214+56 (YELLOW NO-PASSING)SIBSTA. 1208+87 TO RT. STA. 1214+85 (YELLOW SKIP-DASH)COCATIONEACHTOTAL = 400TOTAL = 455TOTAL = 400TOTAL = 400TOTAL = 1543RAISED REFLECTIVE PAVEMENT MARKERLOCATIONEACHTOTAL = 2GUARDRAIL MARKERS, TYPE ALOCATIONEACHTOTAL = 3 <td< td=""><td>STA. 1209+64.89 TO STA. 1212+13.80 (YELLOW SKIP-DASH) TOTAL</td><td>56 . = 136</td></td<>	STA. 1209+64.89 TO STA. 1212+13.80 (YELLOW SKIP-DASH) TOTAL	56 . = 136
STAGE CONSTRUCTION: CONTOUR 27 STA. 1209+64.89 TO STA. 1214+58 (YELLOW SKIP-DASH) 27 STA. 1209+64.89 TO STA. 1214+58 (YELLOW SKIP-DASH) 18 TOTAL = 425 TOTAL = 45 TEMPORARY CONCRETE BARRIER LOCATION FOOT STA. 1204+75 TO STA. 1213+00 425 TOTAL = 425 TOTAL = 400 PAINT PAVEMENT MARKING - LINE 4/" LOCATION FOOT STA. 1204+67 TO STA. 1212+87 400 PAINT PAVEMENT MARKING - LINE 4/" LOCATION FOOT STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 518 STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 518 5 5 STA. 1206+67 TO STA. 1214+58 YELLOW NOTAL 425 100 101 121 STA. 1206+67 TO STA. 1210+14.86 5 101 101 121 STA. 1206+67 TO STA. 1210+14.86 5 101 101 121 STA. 1206+67 TO STA. 1210+14.86 5	WORK ZONE PAVEMENT MARKING REMOVAL	50 FT
	STAGE CONSTRUCTION: STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH)	27
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	RESURFACING STA. 1209+64.89 TO STA. 1212+13.80 (YELLOW SKIP-DASH) TOTA	18 L = 45
TAGE 1 STA. 1208+75 TO STA. 1213+00 425 TOTAL = 425 RELOCATE TEMPORARY CONCRETE BARRIER LOCATION FOOT STA. 208+87 TO STA. 1212+87 400 TOTAL = 400 PAINT PAVEMENT MARKING - LINE 4" LOCATION FOOT STA. 1208+87 TO STA. 1212+87 (HON NO-PASSING) 518 STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 518 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 200 RT. STA. 1208+87 TO LT. STA. 1212+87 (WHITE EDGELINE) 425 STA. 1208+87 TO LT. STA. 1212+87 (WHITE EDGELINE) 425 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 200 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH STA. 1206+67 TO STA. 1210+14.86 5 STA. 12106+67 TO STA. 1210+14.86 5 STA. 12106+67 TO STA. 1210+14.86 5 STA. 1210+14.86 TO STA. 1211+63.80 2 TOTAL = 9 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH STA. 1207+46.71 TO RT. STA. 1213+30.95 5 ICTAL = 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 TO RT. STA. 1213+31.95 5 STA 1210+14.86 TO STA. 1211+63.80 2 TOTAL = 2 GUARDRAIL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 1207+87.79 TO LT. STA. 50+65.97 (TR 1125E) 4 RT. STA. 1207+87.71 1 TR ISTA 1207+46.71 TO TAL = 14 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 1207+46.71 TO TAL = 3 PAVEMENT MARKING REMOVAL (PAVEMENT MARKING REMOVAL (PAVEMENT MARKING REMOVAL (PAVEMENT MARKING REMOVAL (PAVEMENT MARKING REMOVAL (PAVEMENT MARKING TO STA. 1214+58 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173 STA. 1206+75 TO RT. STA. 1214+67 (WHITE EDGELINE) 142 LOCATION EACH STA. 1208+75 TO RT. STA. 1214+67 (WHITE EDGELINE) 143 TOTAL = 31 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI LOCATION EACH LOCATION EACH LOCATION EACH LOCATION EACH LOCATION EACH LOCATION EACH 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI LOCATION EACH LOCATION EACH LOCATION EACH LOCATION EACH 12 RT. STA. 1224+91 50 TO. T. STA. 1224+31.95 31 LT. STA. 1224+91 50 TO. T. STA. 1224+31.95 31 LT. STA. 1224+91 50 TO. T. STA. 1224+31.95 31 LT. STA. 1224+91 55 TO LT. STA. 1224+31.95 31 LT	TEMPORARY CONCRETE BARRIER	
$TOTAL = 425$ $\frac{RELOCATE TEMPORARY CONCRETE BARRIER}{LOCATION FOOT}$ $TOTAL = 400$ PAINT PAVEMENT MARKING - LINE 4" $\frac{TOTAL = 400}{TOTAL = 400}$ PAINT PAVEMENT MARKING - LINE 4" $\frac{TOTAL = 100}{LOCATION FOOT}$ STA, 1206+67 TO STA, 121+85 (YELLOW NO-PASSING) 518 STA, 1206+67 TO STA, 121+458 (YELLOW NO-PASSING) 518 TAL 1206+67 TO STA, 121+458 (YELLOW NO-PASSING) 400 TOTAL = 1543 $\frac{RAISED REFLECTIVE PAVEMENT MARKER}{LOCATION EACH}$ $\frac{LOCATION EACH}{TOTAL = 9}$ RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) $\frac{LOCATION EACH}{LOCATION EACH}$ $\frac{LOCATION EACH}{LOCATION EACH}$ $\frac{COLATION EACH}{LOCATION EACH}$ $\frac{LOCATION EACH}{LOCATION EACH}$ $\frac{COLATION EACH}{COLATION CONFLICT WITH STAGING}$ $\frac{COLATION EACH}{COLATION CONFLICT WITH STAGING}$ $\frac{COLATION EACH}{COLATION CALHON CONFASSING}$ $TTA 1206+67 TO STA 121+458 (YELLOW SKIP-DASH) 67$ $\frac{TTA 1206+67 $	STAGE 1 STA. 1208+75 TO STA. 1213+00 425	
$\text{Relevent for the converted by the formula for the formula formula for the formula formula for the formula formula for the formula formul$	TOTAL = 425	
STA. 1208+87 T0 STA. 1212+87 400 TOTAL = 400 PAINT PAVEMENT MARKING - LINE 4" LOCATION FOOT STA. 1206+67 T0 STA. 1214+58 (YELLOW N0-PASSING) 518 STA. 1206+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 200 RT. STA. 1208+75 T0 KT. STA. 1214+00 (WHITE EDGELINE) 425 LT. STA 1208+87 T0 LT. STA. 1212+87 (WHITE EDGELINE) 425 LT. STA 1208+87 T0 LT. STA. 1212+87 (WHITE EDGELINE) 425 LOCATION EACH STA. 1206+67 T0 STA. 1210+14.86 5 STA. 1211+63.80 T0 STA. 1214+58 4 LOCATION EACH STA. 1206+67 T0 STA. 1210+14.86 5 STA. 1211+63.80 T0 STA. 1214+58 4 LOCATION EACH STA. 1201+44.86 T0 STA. 1211+63.80 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 ST. STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 ST. STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 ST. STA. 1207+46.71 10 RT. STA. 1214+31.95 5 ST. STA. 1207+46.71 10 RT. STA. 1214+31.95 5 ST. STA. 1207+46.71 11 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 1207+46.71 1 TOTAL = 3 PAVEMENT MARKING REMOVAL (PAVEMENT MARKING CONFLICT WITH STAGING) TOTAL = 3 PAVEMENT MARKING REMOVAL (PAVEMENT MARKING REMOVAL (PAVEMENT MARKING CONFLICT WITH EDGELINE) 142 LT. STA. 1208+67 T0 STA. 1214+58 (YELLOW N0-PASSING) 173 STA. 1206+67 T0 STA. 1214+58 (YELLOW N0-PASSING) 173 STA. 1206+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 T0 RT. STA. 1213+00 (WHITE EDGELINE) 142 LOCATION EACH STA. 1206+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 STA. 1206+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+67 T0 STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 T0 LT. STA. 1208+75 T0 LT. STA. 120	LOCATION FOOT STAGE 2	:
PAINT PAVEMENT MARKING LINE 4" LOCATION FOOT STA. 1206+67 TO STA. 1211+85 (YELLOW NO-PASSING) 518 STA. 1206+67 TO STA. 1211+85 (YELLOW NO-PASSING) 518 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 200 TOTAL 1543 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH 5 STA. 1206+67 TO STA. 1210+14.86 5 STA. 1206+67 TO STA. 1210+14.86 4 TOTAL 9 7 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH 5 5 STA. 1201+4.86 7 10 5 LOCATION EACH 5 5 LOCATION EACH 107AL 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+87.59 TO T. STA. 1213+31.95 5 5 LT. STA. 50+65.27 1 TOTAL 14	STA. 1208+87 TO STA. 1212+87 400 TOTAL = 400	
STA. 1206+67 T0 STA. 1211+85 (YELLOW NO-PASSING) 518 STA. 1206+67 T0 STA. 1214+86 (YELLOW SKIP-DASH) 200 RT. STA. 1208+87 T0 LT. STA. 1213+00 (WHITE EDGELINE) 425 I. STA 1208+87 T0 LT. STA. 1212+87 (WHITE EDGELINE) 400 TOTAL = 1543 RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH STA. 121+63.80 T0 STA. 1214+58 4 TOTAL = 9 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH STA. 1210+14.86 T0 STA. 1211+63.80 2 TOTAL = 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 LT. STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 LT. STA. 1207+46.71 T0 RT. STA. 1214+31.95 5 LT. STA. 1207+46.71 1 1 RT. STA. 1208+67 T0 STA. 1214+85 (YELLOW NO-PASSING) 173 STA. 1206+67 T0 STA. 1214+85 (YELLOW NO-PASSING) 173 STA. 1206+67 T0 STA. 1214+85 (YELLOW NO-PASSING) 173 STA. 1208+75 T0 RT. STA. 1214+95 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1214+81 11 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH STA. 1208+67 T0 STA. 1214+58 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI LOCATION EACH REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI 10 LT. STA. 1208+57 T0 LT. STA. 1208+57.59 21 RT. STA. 1218+155 T0 LT. STA. 1218+31.95 31 LT. STA. 1218+155 T0 LT. STA. 1218+31.95 31 LT. STA. 1218+155 T0 LT. STA. 1218+31.95 3	PAINT PAVEMENT MARKING - LINE 4"	FOOT
RAISED REFLECTIVE PAVEMENT MARKER LOCATION EACH STA. 1206467 T0 STA. 1210+14.86 5 STA. 1211+63.80 T0 STA. 1214+58 4 TOTAL = 9 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH STA. 1210+14.86 T0 STA. 1211+63.80 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 LT, STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 LT, STA. 1207+46.71 T0 RT. STA. 1213+31.95 5 LT, STA. 1207+46.71 1 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 1207+46.71 1 TR. STA. 1207+46.71 1 TR. STA. 1207+46.71 1 TRT. STA. 1207+67.70 1 LOCATION EACH RT. STA. 1207+67.71 1 RT STA. 1206+67.70 1 RT. STA. 1206+67.70 1 LOCATION S0 FT STA. 1206+67.70 1.33 TOTAL = 3 73 RT. STA. 1208+87 TO C STA. 1214+58 11 <td>STA. 1206+67 TO STA. 1211+85 (YELLOW NO-PASSING) STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) LT. STA 1208+87 TO LT. STA. 1212+87 (WHITE EDGELINE) TOTA</td> <td>518 200 425 400 L = 1543</td>	STA. 1206+67 TO STA. 1211+85 (YELLOW NO-PASSING) STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) LT. STA 1208+87 TO LT. STA. 1212+87 (WHITE EDGELINE) TOTA	518 200 425 400 L = 1543
LUCATION EACH STA. 1206+67 TO STA. 1210+14.86 5 STA. 1201+63.80 TO STA. 1214+58 4 TOTAL = 9 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH STA. 1210+14.86 TO STA. 1211+63.80 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 TO RT. STA. 1213+31.95 5 TOTAL = 2 GUARDRAIL MARKER - DIRECT APPLIED 4 RT. STA. 50+63.27 (TR 1125E) TO LT. STA. 1214+31.95 5 TOTAL = 14 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 50+65.97 1 RT. STA. 120F+46.71 0 SO FT STA. 120F+46.71 5 STA. 120F+46.71 0 SO FT STA. 120F+75 0 SO FT STA. 120F+75 0 STA. 1217+10 STA. 1217+17 0 STA. 1217+17 0 ST	RAISED REFLECTIVE PAVEMENT MARKER	
TOTAL = 9 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) LOCATION EACH STA. 120+14.86 T0 STA. 121+63.80 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 TO RT. STA. 1213+31.95 5 STA. 1207+46.71 TO RT. STA. 1214+31.95 5 TOTAL = 1 TOTAL = 14 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 1207+46.71 1 TOTAL = 3 PAVEMENT MARKING REMOVAL (PAVEMENT MARKER REMOVAL	LOCATION EACH STA. 1206+67 TO STA. 1210+14.86 5 STA. 1211+63.80 TO STA. 1214+58 4	
LOCATION EACH STA. 1210+14.86 T0 STA. 1211+63.80 2 TOTAL = 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 TO RT. STA. 1213+31.95 5 LT. STA. 1207+87.59 TO LT. STA. 50+65.97 (TR 1125E) 4 RT. STA. 50+63.27 (TR 1125E) TO LT. STA. 1214+31.95 5 TOTAL = 14 TERMINAL MARKER - DIRECT APPLIED LOCATION EACH RT. STA. 1207+46.71 1 TERMINAL MARKER - DIRECT APPLIED LOCATION LOCATION EACH RT. STA. 50+65.97 1 RT. STA 50+63.27 1 TOTAL = 3 PAVEMENT MARKINGS CONFLICT WITH STAGING) LOCATION LOCATION LOCATION SO FT STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO LT. STA. 1213+00 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 142 LT. STA. 1208+67 TO STA. 1214+58 11 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL<	RAISED REFLECTIVE PAVEMENT MARKER (E	RIDGE)
INTRUE 2 GUARDRAIL MARKERS, TYPE A LOCATION EACH RT. STA. 1207+46.71 TO RT. STA. 1213+31.95 5 IT, STA. 1207+46.71 TO RT. STA. 1213+31.95 5 TOTAL = 14 TOTAL = 11 TOTAL = 1 TOTAL = 3 PAVEMENT MARKER CONFLICT WITH STAGING) LOCATION EACH CONFLICT WITH STAGING) LOCATION SO FT STA 1206+67 TO STA. 1211+85 (YELLOW NO-PASSING) TOTAL = 3 PAVEMENT MARKING CONFLICT WITH STAGING) LOCATION SO FT STA 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) TOTAL = 3 TOTAL = 3 TOTAL = 3 TOTAL = 208-15 TO STA. 1213+60 (WHITE EDGELINE) TOTAL = 208-15 TO STA. 1214+58 RISTA. 1208+67 TO STA. 1214+58 II <td>LOCATION EACH STA. 1210+14.86 TO STA. 1211+63.80 2 TOTAL - 2</td> <td></td>	LOCATION EACH STA. 1210+14.86 TO STA. 1211+63.80 2 TOTAL - 2	
LUCATION EACH RT. STA. 1207+46.71 TO RT. STA. 1213+31.95 5 LT. STA. 1207+87.59 TO LT. STA. 1213+31.95 5 RT. STA. 1207+87.59 TO LT. STA. 50+65.97 (TR 1125E) 4 RT. STA. 50+63.27 (TR 1125E) TO LT. STA. 1214+31.95 5 TOTAL = 14 1 TERMINAL MARKER - DIRECT APPLIED LOCATION LOCATION EACH RT. STA. 1207+46.71 1 TR STA. 1207+46.71 1 TR STA 50+63.27 1 TOTAL = 3 TOTAL = 3 PAVEMENT MARKING REMOVAL (PAVEMENT MARKINGS CONFLICT WITH STAGING) LOCATION SO FT STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1214+68 (YELLOW SKIP-DASH) 67 RT. STA. 1208+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 143 LOCATION EACH STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+87 LT. STA. 1214+58 11 TOTAL = 111	GUARDRAIL MARKERS, TYPE A	5101
$\begin{array}{r} \text{TERMINAL MARKER - DIRECT APPLIED} \\ \text{LOCATION EACH} \\ \text{LOCATION EACH} \\ \text{IT. STA. 1207+46.71 1} \\ \text{IT. STA. 1207+46.71 1} \\ \text{TRT. STA. 50+65.97 1} \\ \text{RT. STA. 50+63.27 1} \\ \text{TOTAL = 3} \\ \hline \text{PAVEMENT MARKING CONFLICT WITH STAGING} \\ \text{LOCATION S0 FT} \\ \text{STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173} \\ \text{STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173} \\ \text{STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67} \\ \text{RT. STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67} \\ \text{RT. STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67} \\ \text{RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142} \\ \text{LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 142} \\ \text{LT. STA. 1208+67 TO STA. 1214+58 11} \\ \text{TOTAL = 515} \\ \hline \text{RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH} \\ \text{STA. 1206+67 TO STA. 1214+58 11} \\ \hline \text{TOTAL = 11} \\ \hline \text{REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH} \\ \hline \text{LOCATION EACH} \\ \text{LOCATION EACH} \\ \hline \text{LOCATION EACH} \\ \hline \text{LOCATION EACH} \\ \text{LOCATION EACH} \\ \hline LOCATIO$	RT. STA. 1207+46.75 LT. STA. 1207+46.75 LT. STA. 1207+87.59 TO LT. STA. 50+65.97 (TR 1125E) RT. STA. 50+63.27 (TR 1125E) TO LT. STA. 1214+31.95	5 4 5
LOCATION EACH RT. STA. 1207+46.71 1 TR 1122E 1 TRT. STA. 50-65.97 1 RT. STA. 50-63.27 1 TOTAL = 3 TOTAL = 3 PAVEMENT MARKING CONFLICT WITH STAGING) LOCATION (PAVEMENT MARKINGS CONFLICT WITH STAGING) 13 STA. 1206+67 TO STA. 1214+85 (YELLOW N0-PASSING) 173 STA. 1206+67 TO STA. 1214+85 (YELLOW N0-PASSING) 142 LT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT. STA. 1208+75 TO RT. STA. 1214+00 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 133 TOTAL = 515 STAIL RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI LOCATION EACH VLT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1213+17 TO LT. STA. 1209+07 1 3) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1207+87.59 TO LT. STA. 1208+37.59	TERMINAL MARKER - DIRECT APPLIED	- 14
ILL STA, 50+65.97 1 RT. STA 50+63.27 1 TOTAL = 3 PAVEMENT MARKINGS CONFLICT WITH STAGING) LOCATION S0 FT STA. 1206+67 TO STA. 1211+85 (YELLOW N0-PASSING) 173 STA. 1206+67 TO STA. 1211+85 (YELLOW SKP-DASH) 67 RT. STA. 1206+67 TO STA. 1214+58 (YELLOW SKP-DASH) 67 RT. STA. 1208+75 TO STA. 1212+87 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 133 TOTAL = 515 STALESD REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH LOCATION EACH NEMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI LOCATION EACH REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAI LOCATION EACH REMOVE: 1 1) LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1213+17 TO LT. STA. 1209+07 1 2) RT. STA. 1207+87.59 TO LT. STA. 1208+37.59 1 2) RT. STA. 1207+87.59 TO LT. STA. 1208+37.59 1 2) RT. STA. 1213+81.95 TO LT. STA. 1214+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214	LOCATION EACH RT. STA. 1207+46.71 1 TR 11255	
TOTAL = 3 $PAVEMENT MARKING REMOVAL$ (PAVEMENT MARKINGS CONFLICT WITH STAGING) LOCATION S0 FT STA. 1206+67 TO STA. 1214+85 (YELLOW SKIP-DASH) 67 RT. STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT, STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 142 LT, STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 133 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: 10 LT. STA. 1208+57 TO LT. STA. 1209+07 1 20 RT. STA. 1208+57 TO LT. STA. 1213+67 1 REFERECT: 31 LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 20 RT. STA. 1213+81.95 TO LT. STA. 1214+31.95 31 LT. STA. 1213+81.95 TO LT. STA. 1214+31.95	IT. JIGJE LT. STA. 50+65.97 1 RT. STA 50+63.27 1	
PAVEMENT MARKING REMOVAL (PAVEMENT MARKINGS CONFLICT WITH STAGING) LOCATION \$0 FT STA. 1206+67 TO STA. 1211458 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1214+78 11 TOTAL = 51 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH 12 13 LT. STA. 1208+57 10 LT. STA. 1208+57 1 N LT. STA. 1208+57 TO LT. STA. 1209+07 1 1 <td< td=""><td>TOTAL = 3</td><td></td></td<>	TOTAL = 3	
LOCATION S0 FT STA. 1206+67 TO STA. 1214+85 (YELLOW NO-PASSING) 173 STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT, STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 142 LT, STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 133 TOTAL = 515 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH 10 LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1213+17 TO LT. STA. 1213+67 1 RE-ERECT: 1 31 LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 1 2) RT. STA. 1213+81.95 TO LT. STA. 1214+31.95 31 LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 31 LT. STA. 1213+81.95 TO LT. STA. 1214+31.95	PAVEMENT MARKING REMOVAL (PAVEMENT MARKINGS CONFLICT WITH STAGING)	
STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH) 67 RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 133 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION LOCATI	LOCATION STA. 1206+67 TO STA. 1211+85 (YELLOW NO-PASSING)	SQ FT 173
RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) 142 LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE) 133 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: 1) LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1213+17 TO LT. STA. 1213+67 1 RE-ERECT: 1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1213+81.95 TO LT. STA. 1214+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95	STA. 1206+67 TO STA. 1214+58 (YELLOW SKIP-DASH)	67
TOTAL = 515 TOTAL = 515 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: J L. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1208+57 TO LT. STA. 1213+67 1 3) LT. STA. 1207+87.59 2) RT. STA. 1207+87.59 2) RT. STA. 1207+87.59 2) RT. STA. 1213+81.95 3) LT. STA. 1213+81.95	RT. STA. 1208+75 TO RT. STA. 1213+00 (WHITE EDGELINE) LT. STA. 1208+87 LT. STA. 1212+87 (WHITE EDGELINE)	142 133
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: 10 11 10 11 11 10 TOTAL = 11 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: 10 LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1212+29 TO RT. STA. 1212+79 1 33 LT. STA. 1212+17 TO LT. STA. 1213+67 1 RE-ERECTI: 10 LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 1 1 2) RT. STA. 1207+87.59 TO LT. STA. 1213+31.95 33 LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 33 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3 TOTAL = 3	TOTA	L = 515
LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11 REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: 1 1) LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1212+29 TO RT. STA. 1212+79 1 3) LT. STA. 1203+17 TO LT. STA. 1213+67 1 RE-ERECT: 1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1213+81.95 TO LT. STA. 1213+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1213+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3	RAISED REFLECTIVE PAVEMENT MARKER R	EMOVAL
REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL LOCATION EACH REMOVE: 1 1 1) LT. STA. 1208+57 TO LT. STA. 1209+07 1 1 2) RT. STA. 1212+29 TO RT. STA. 1212+79 1 1 3) LT. STA. 1213+17 TO LT. STA. 1213+67 1 1 RE-ERECT: 1 1 1 1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1212+81.95 TO RT. STA. 1213+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3	LOCATION EACH STA. 1206+67 TO STA. 1214+58 11 TOTAL = 11	
LOCATION EACH REMOVE: 1) LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1212+29 TO RT. STA. 1212+79 1 3) LT. STA. 1213+17 TO LT. STA. 1213+67 1 <u>RE-ERECT:</u> 1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1212+81.95 TO LT. STA. 1213+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3	REMOVE AND RE-ERECT TRAFFIC BARRIER	TERMINAL
1) LT. STA. 1208+57 TO LT. STA. 1209+07 1 2) RT. STA. 1212+29 TO RT. STA. 1212+79 1 3) LT. STA. 1213+17 TO LT. STA. 1213+67 1 RE-ERECT: 1 1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) 2) RT. STA. 1212+81.95 TO RT. STA. 1213+31.95 3) 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAI = 3	LOCATION REMOVE:	EACH
2) K1. SIA. 1212+29 TO RT. STA. 1212+79 1 3) LT. STA. 1213+17 TO LT. STA. 1213+67 1 RE-ERECT: 1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1212+81.95 TO RT. STA. 1213+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3	1) LT. STA. 1208+57 TO LT. STA. 1209+07	1
1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1212+81.95 TO RT. STA. 1213+31.95 3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3	2) RT. STA. 1212+29 TO RT. STA. 1212+79 3) LT. STA. 1213+17 TO LT. STA. 1213+67 <u>RE-ERECT:</u>	1 1
3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95 TOTAL = 3	1) LT. STA. 1207+87.59 TO LT. STA. 1208+37.59 2) RT. STA. 1212+81.95 TO RT. STA. 1213+31.95	
	3) LT. STA. 1213+81.95 TO LT. STA. 1214+31.95	TAL = 3

FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED -								F.A.P.	SECTION	COUNTY	TOTAL	SHEET
k:\110149\Plans\Schedules.dgn		DRAWN -	REVISED -	STATE OF ILLINOIS		S	CHEDUL	ES OF Q	UANTITIES		721	(115BR-1)BR	PIATT	32	7
Johnson, Depp & Quisenberry	PLOT SCALE = 100.0000 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	T NO.	70433
Springfield, Illinois	PLOT DATE = 06/17/2008 16:12:30	DATE -	REVISED -		SCALE:	SHEET NO.	0F	SHEETS	STA.	TO STA.	FED. ROAD DIST.	NO. ILLINOIS FED	AID PROJECT		

WIDTH RESTRICTION SIGNING L SUM LOCATION SECTION (115BR-1)BR 1 TOTAL = 1

 TRAFFIC BARRIER TERMINAL, TYPE 6A (SPECIAL)

 LOCATION
 EACH

 RT. STA. 50+48.48 (TR 1125E) TO LT. STA. 1210+14.86
 1

 TOTAL = 1
 1

 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 LOCATION EACH LOCATION <u>STAGE 1</u> LT. STA. 1208+75 1 LT. STA. 1213+00 1 TOTAL = 2 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 LOCATION EACH <u>STAGE 2</u> RT. STA. 1208+87 RT. STA. 1212+87 1 1 TOTAL = 2

INAL, TYPE 1 SPECIAL, TANGENT









ND TRAFFIC CONTROL PLAN			F.A.F RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
			721	721 (115BR-1)BR			PIATT	32	11
							CONTRACT	「 NO. 7	0433
	STA.	TO STA.	FED.	ROAD DIST. NO.	. ILLINOIS	FED. AI	D PROJECT		



CUEET	1	F.A.P. RTE.	SECTION		co	OUNTY	TOTAL SHEETS	SHEET NO.
SHEET	1	721	(115BR-1)E	ßR		PIATT	32	12
UF IU		FED. RO	AD DIST. NO.	ILLING	015	FED. AID	PROJECT	

CONTRACT NO. 70433

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to routine 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 the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

The existing bearing pads at the West and East Abutments contain asbestos. The Contractor shall take appropriate precautions to deal with the presence and disposal of asbestos on this project. See Special Provisions.

The minimum thickness of the concrete wearing surface shall be 5" and varies as required to adjust for the profile grade and beam camber.

Repair of the pier caps shall be completed prior to placement of the new deck

The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's repsonsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the new or existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads.

ITEM	UNIT	SUPER	SUB	TOTAL
Removal Of Existing Superstructures	Each	1		1
Concrete Removal	Cu Yd		2.0	2.0
Concrete Structures	Cu Yd		2.0	2.0
Bridge Deck Grooving	Sq Yd	497		497
Protective Coat	Sq Yd	531		531
Precast Prestr. Conc. Deck Beams (21" Depth.	Sq Ft	4770		4770
Reinforcement Bars, Epoxy Coated	Pound	6530	260	6790
Bar Splicers	Each	149	4	153
Name Plates	Each	1	~ ~	1
Preformed Joint Strip Seal	Foot	64	2	64
Epoxy Crack Injection	Foot		40	40
Remove And Re-Erect Existing Bridge Rail	Foot	299		299
Diamond Grinding (Bridge Section)	Sq Yd	782		782
Structural Repair Of Concrete (Depth =< 5")	Sq Ft		172.0	172.0
Concrete Wearing Surface, 5"	Sq Yd	531		531
Asbestos Bearing Pad Removal	Each		52	52

TOTAL BILL OF MATERIAL

GENERAL PLAN ILLINOIS 10 OVER MADDEN CREEK FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



** As an alternate to the drilled holes, the Contractor may request the Fabricator to cast 2" diameter semi-circular recesses in the sides of each beam adjacent to the stage construction line. These recesses should align to form a hole at the appropriate locations for the clamping device bolts. If the Contractor elects to use this alternate, the details shall be identified on the shop drawings.

	Johnson, Depp & Quisenberry CONSULTING ENGINEERS Springfield, Illinois						
DESIGNED:	JDQ	DRAWN:	SJS				
CHECKED:	DCD	CHECKED:	DCD				

For quantity and location of Temporary Concrete Barrier, see Roadway Plans.

- FILF, INVIDOVIDI49 IL-D5VV*4 IL



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



SUFET 3	F.A.P. RTE.	SECTION		COUNTY	SHEETS	SHEET
SHEET J	721	(115BR-1)8	3R	PIATT	32	14
OF IU	FED, RO	AD DIST. NO.	ILLINOI	IS FED, AID	PROJECT	

CONTRACT NO. 70433

* Required only with Detail II TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION ILLINOIS 10 OVER MADDEN CREEK FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005



The 6'-0" existing rail post spacing shown is based on field measurements, rounded within a tolerance of about $\frac{1}{2}$ ". The Contractor shall verify the existing post spacing prior to preparing the shop drawings for the beams.

DESIGNED:

CHECKED:

JDQ

DCD

DRAWN:

CHECKED:

SJS

DCD

Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam.



PLAN - CONCRETE WEARING SURFACE

MIN. BAR LAP #4 = 1'-4"



BAR a(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	298	#4	16′-2″	ļ
b(E)	160	30′-11″		
Reinforce	ment Bars,		Pound	6530
Ероху Сос	nted		r ound	0000
Concrete	Wearing Su	Sq. Yd.	531	
Preformed	l Joint Str	Foot	64	

Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

SUPERSTRUCTURE DETAILS ILLINOIS 10 OVER MADDEN CREEK FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005



(6'-3'' Maximum Post Spacing) (5'' minimum to 7¹/₈'' maximum CWS thickness)

casting of beam. Galvanized after fabrication.





Note: Spacing of S(E) and $S_2(E)$ bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



2 strands

-B(E)

2'2"

cl.

. 5″.

— O strands — 2 strands 10 strands —10 strands



Bar	No.	Size	Length	Shape
A(E)	46	#4	3'-7''	
B(E)	5	#5	49′-5″	_
$B_1(E)$	4	#4	49′-5″	_
S(E)	70	#4	7′-5″	Г
$S_1(E)$	10	#4	6'-7''	Ι
$S_2(E)$	60	#4	6′-10′′	۲_
U(E)	12	#5	4'-0''	П
$U_1(E)$	4	#4	6'-0''	

Note: See sheet 7 of 10 for additional details and Bill of Material.

21" X 48" PPC DECK BEAM ILLINOIS 10 OVER MADDEN CREEK FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005



PD-2148-0D 8-29-07

Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.





FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION







Delaminated Area (use Structural Repair of Concrete, Depth =< 5")

Inspection Date: 8-1-2007

Ð	Johnson, L CONSU Sprin	Depp & Qui LTING ENGINEE ngfield, Illinois	isenberry ^{RS} s
DESIGNED:	JDQ	DRAWN:	SJS
CHECKED:	DCD	CHECKED:	DCD
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- (1)
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<u>PIERS 1 & 2</u> ILLINOIS 10 OVER MADDEN CREEK FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





CHECKED:

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CHECKED:

11-1-06

DCD

SULLT	10	F.A.P. RTE.	SECTION		С	OUNTY	TOTAL SHEETS	SHEET NO.
OF 10	10	721	(115BR-1)E	ßR		PIATT	32	21
OF IU		FED. RO	AD DIST. NO.	ILLIN	IOIS	FED. AID	PROJECT	-

CONTRACT NO. 70433

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

Minimum Capacity = $1.25 \times fy \times A_t$

Minimum *Pull-out Strength = 0.66 x fy x A_t

Where fy = Yield strength of lapped reinforcement bars in ksi. A_t = Tensile stress area of lapped reinforcement bars. * = 28 day concrete

	BAR SPLIC	ER ASSEMBLI	ËS
		Strengt	h Requirements
to 1	Splicer Rod or Dowel Bar Length	Min. Capacity kips - tension	Min. Pull-Out Strength kips – tension
	1'-8''	14.7	7.9
	2'-0''	23.0	12.3
	2'-7''	33.1	17.4
	3′-5′′	45.1	23.8
	4′-6′′	58.9	31.3
	5′-9′′	75.0	39.6
	7'-3''	95.0	50.3
	9'-0''	117.4	61.8

Bar Size	No. Assemblies Required	Location
#4	149	Wearing Surf.
#6	2	W. Abut.
#6	2	E. Abut.

BAR SPLICER ASSEMBLY DETAILS FAP ROUTE 721 SECTION (115BR-1)BR PIATT COUNTY STATION 1210+89.58 STRUCTURE NO. 074-0005

ROAD CLOSURE







							DIST	RICT 5 DETA	IL NO. 7	0200000
FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED - 11/06			TRAFFIC CONTROL & PROTECTION DEVICES	F.A.P	SECTION	COUNTY	TOTAL SHEET
k:\110149\Plans\details.dgn		DRAWN -	REVISED - 12/07	STATE OF ILLINOIS		(DOAD & CIDEDOAD CTDEET CLOCUDEC)	721	(115BR-1)BR	PIATT	32 22
Johnson, Depp & Quisenberry	PLOT SCALE = 40.00 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		(NUAD & SIDENUAL/SINEET GLUSUNES)			CONTRAC	T NO. 70433
Springfield, Illinois	PLOT DATE = Ø6/17/2008 16:13:19	DATE -	REVISED -		SCALE:	SHEET NO, OF SHEETS STA. TO STA.	FED. ROAD DI	ST. NO. ILLINOIS FED. A	ID PROJECT	

SIDEROAD / STREET CLOSURE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



PLOT DATE = 06/17/2008 16:13:23

DATE

REVISED

SCALE:

SHEET NO. 1 OF 4 SHEETS

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4	PPI ICATIONS)	-	721	L		(115BF	R-1)BR			PIATT	32	23
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	STA.	TO STA.	FED.	ROAI	D DIST.	NO.	ILLINOIS	FED.	AID	PROJECT		



CONTRACT NO. 70433

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

TO STA.

ns\details.dgn bhnson, Depp & Quilsenberry CONSULTING ENDIRERS Springfield, Lilinois Dent = 06/17/2008 16:13:26 DATE - REVISED - REVISED





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								DIST	FRICT 5 DET	AIL NO. 78	JOOAAAA
FILE NAME =	USER NAME = SJS	DESIGNED -	REVISED - 11/06			PAVEMENT MARKING		F.A.P.	SECTION	COUNTY	TOTAL SHEET
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Johnson, Depp & Quisenberry	PLOT SCALE = 40.00 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		(NUNAL & UNDAN AF	FFLICATION3)			CONTRAC	CT NO. 70433
Springfield, Illinois	PLOT DATE = 06/17/2008 16:13:31	DATE -	REVISED -		SCALE:	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.	FED. ROAD	D DIST. NO. ILLINOIS F	ED. AID PROJECT	

GENERAL NOTES

- 1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
- SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
- 3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
- 4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
- 5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
- 6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING, <30 MPH USE 15' (<50 km/h USE 4.5 m) 30-45 MPH USE 20' (50-75 km/h USE 6.0 m) >45 MPH USE 30' (>75 km/h USE 9.0 m)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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Johnson, Depp & Quisenberry	PLOT SCALE = 40.00 '/ IN.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		(RUKAL & UKB
Springfield, Illinois	PLOT DATE = Ø6/17/2008 16:13:34	DATE -	REVISED -		SCALE:	SHEET NO. 4 OF 4 SH

IEETS STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

FILE NAME = USER NAME = SJS DESIGNED -REVISED STATE OF ILLINOIS WIDTH RESTRICTION k:\110149\Plans\details.dgn DRAWN REVISED CONSULTING ENGINEERS Springfield, Illinois DEPARTMENT OF TRANSPORTATION PLOT SCALE = 20.00 '/ IN. CHECKED REVISED PLOT DATE = 06/17/2008 16:13:38 DATE REVISED SCALE: SHEET NO. OF SHEETS

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S	IGNING	DETAIL	72:	ι	(115BF	?−1)BR		PIATT	32	27
								CONTRACT	NO. 7	0433
	STA.	TO STA.	FED.	ROAD	D DIST. NO.	ILLINOIS FED). AIC) PROJECT		

							DIS	TRICT 5 DETA	IL NO. X	7200201
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Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

PLOT DATE = Ø6/17/2008 16:13:41

DATE

REVISED

SCALE:

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