

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	1

CONTRACT NO. 98908

FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

F.A.P. ROUTE 865 (ILL. 152)
 SECTION D-9 SMART FY 05-8
 PROJECT: F-865(5)
 PERRY COUNTY
 C-99-010-05

*STATIONING DECREASES FROM WEST END OF PROJECT UNTIL STATION EQUATION, WHERE IT REVERSES AND INCREASES TO EAST END OF PROJECT.

STATION EQUATIONS

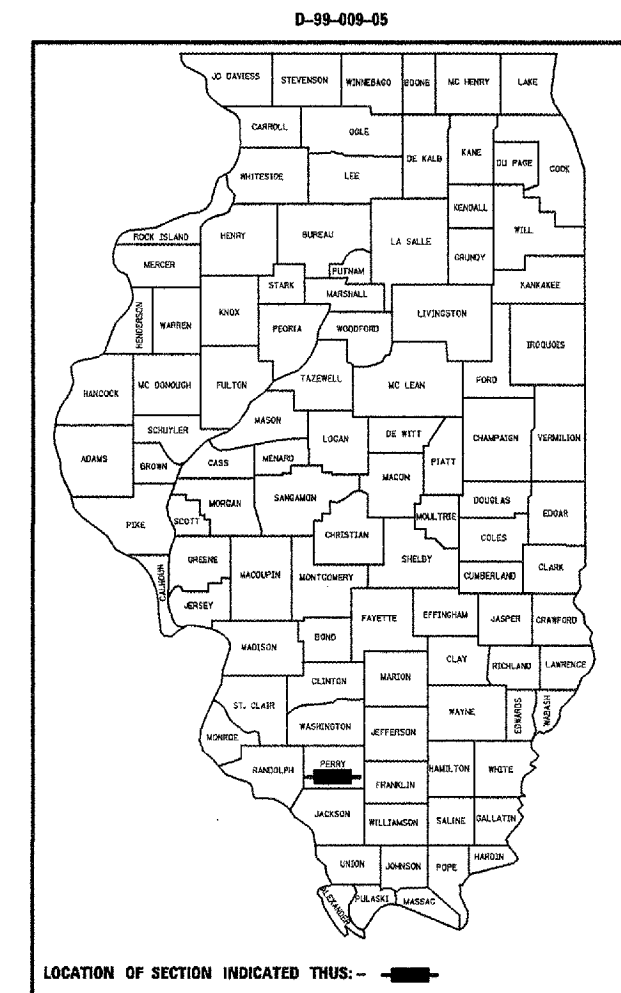
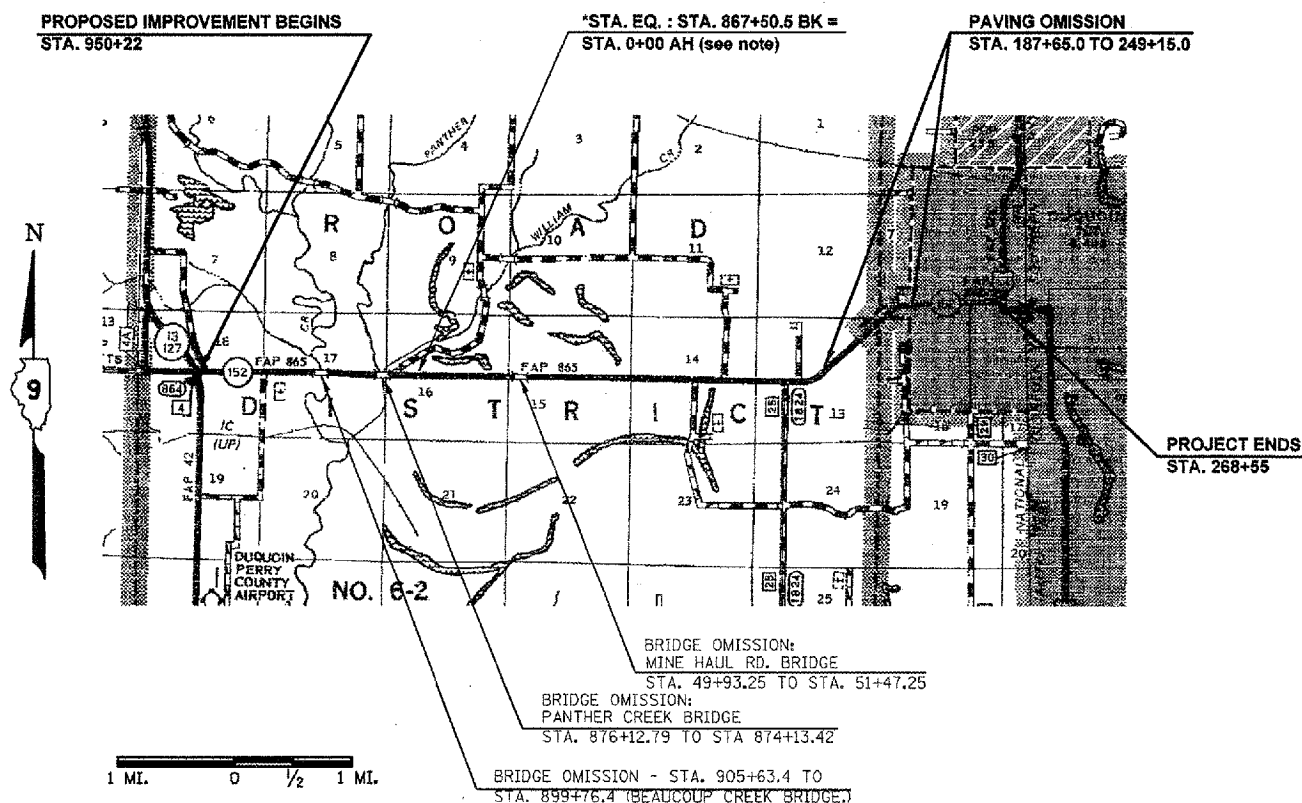
STA. EQ. : STA. 867+50.5 BK =
 STA. 0+00 AH

TRAFFIC DATA

2006 ADT = 5700 WITH 1% TRUCKS
 2016 ADT = 6300 WITH 1% TRUCKS

TOWNSHIPS

DUQUOIN



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED Oct 14 2005
Mary C Lamic
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 9, 20 05
Mike Hine
 ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 20 05
Eric Harn
 DEPUTY DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123 or www.julietcall.com

CONTRACT NO. 98908

PROJECT ENGINEER: CHARLES STEIN
 SQUAD LEADER: TERRI MILLER
 (618) 549-2210
 CENTREX 782-4554

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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8. PAVEMENT MARKING SCHEDULE
9. SIDEROAD SCHEDULE
10. BUTT JOINT DETAIL
11. SIDEROAD & ENTRANCE DETAILS
- HIGHWAY STANDARDS

GENERAL NOTES

EXISTING CURB AND GUTTER DAMAGED OR DESTROYED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE IN A MANNER SATISFACTORY TO THE ENGINEER.

ANY CONCRETE PATCHES ENCOUNTERED IN THE MAINLINE AND PARKING AREAS IN DUQUOIN SHALL BE INCLUDED IN AND PAID FOR AS BITUMINOUS SURFACE REMOVAL, 1 1/2". THE COST OF MILLING AROUND MANHOLES, WATER VALVES AND THE SAWCUTS AT THE TERMINI OF THE INLAY SHALL ALSO BE INCLUDED IN THE COST OF BITUMINOUS SURFACE REMOVAL 1 1/2".

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE SURFACE REMOVAL AND SURFACE COURSE.

A TEMPORARY BITUMINOUS RAMP SHALL BE CONSTRUCTED AT THE BUTT JOINTS, AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED BITUMINOUS SURFACE AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

ANY MIXING OR PLACEMENT OF BITUMINOUS MIXTURES OCCURRING PRIOR TO THE TEST STRIP EVALUATION IS AT THE CONTRACTOR'S OWN RISK.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 107.16 REGARDLESS IF TRACK MOUNTED OR WHEELED.

IN DUQUOIN, FROM WEST STREET TO THE EAST END OF THE PROJECT THERE WILL BE A FULL INLAY, INCLUDING THE PARKING LANES, CONSISTING OF 1 1/2" SURFACE REMOVAL AND 1 1/2" RESURFACING.

AT THE TERMINI OF THE URBAN INLAY, THERE SHALL BE A SAWCUT 1 1/2" IN DEPTH. THIS SAWCUT SHALL BE INCLUDED IN THE COST OF BITUMINOUS SURFACE REMOVAL, 1 1/2".

BITUMINOUS MIXTURE DESIGNS SHALL BE PREPARED AS DIRECTED BELOW:

LOCATION(S):	BITUMINOUS SURFACE COURSE
MIXTURE USE(S):	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N90
AC/PG:	PG64-22
RAP % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE)	1L-10.0
FRICITION AGGREGATE:	D SURFACE

LOCATION(S):	INCIDENTAL BITUMINOUS SURFACING
MIXTURE USE(S):	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N90
AC/PG:	PG64-22
RAP % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE)	1L-10.0
FRICITION AGGREGATE:	C SURFACE

LOCATION(S):	CLASS D PATCHING
MIXTURE USE(S):	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, N90, 1L-19.0
AC/PG:	PG64-22
RAP % (MAX):	10
DESIGN AIR VOIDS:	4.0%, 90 GYRATION SUPERPAVE DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE)	1L-19.0
FRICITION AGGREGATE:	NONE

LIST OF STANDARDS

442201-01	701501-03
701011-01	702001-05
701201-02	780001-01
701301-02	781001-02
701306-01	
701311-02	
701336-04	

STRUCTURES WITHIN PROJECT LIMITS

Structure No.	Operating Rating	Inventory Rating	Posting
073-0023	36.1	21.7	NONE
073-0024	20.6	35	NONE
073-9907	46.7	28.9	NONE

PLAN QUANTITIES ESTIMATED USING THE FOLLOWING FACTORS:

ALL BITUMINOUS CONCRETE	2.016 TONS/ CU. YD.
ALL AGGREGATE	2.05 TONS/ CU. YD.
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL./SQ. YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ. YD.

Prepared By: *Joe Z. [Signature]*
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: *James Krois Emery*
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Karrie Nelson*
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *[Signature]*
 DISTRICT OPERATIONS ENGINEER

Examined By: *[Signature]*
 DISTRICT CONSTRUCTION ENGINEER

Examined By: *Bruce Peetles*
 DISTRICT MATERIALS ENGINEER

Examined By: *[Signature]*
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *[Signature]*
 ASSISTANT REGIONAL ENGINEER

Approved By: *[Signature]*
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

DATE: *Sept 17 20*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B65	SMART FY 05-08	PERRY	11	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

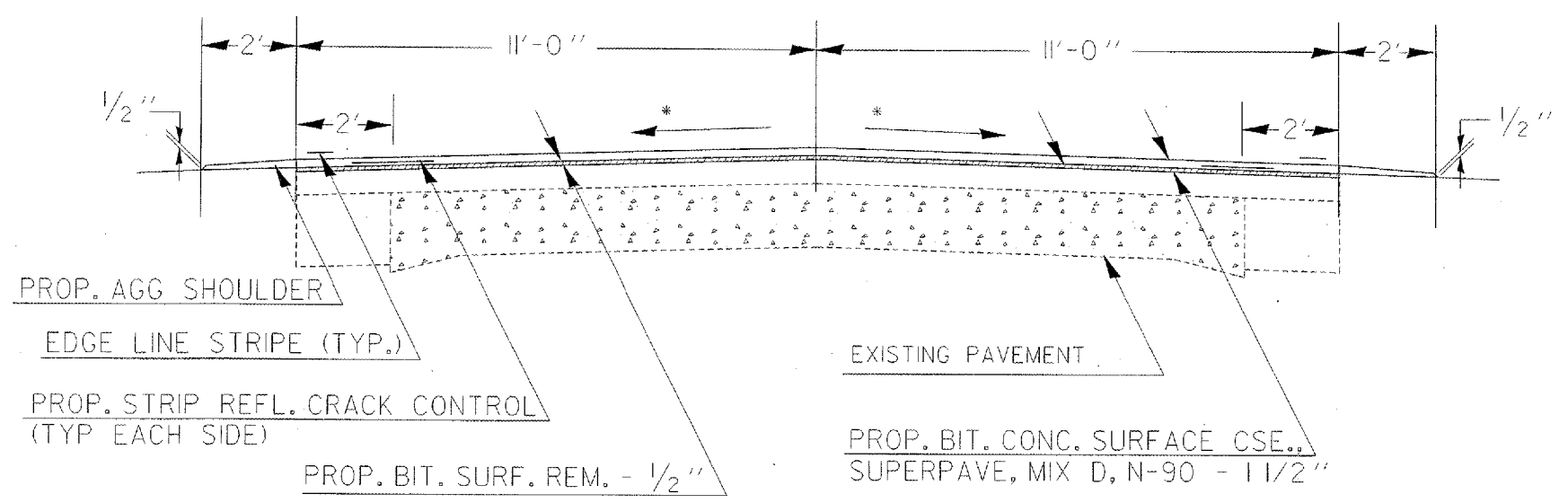
SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	STP-RURAL-STATE	STP-URBAN-STATE	STP-URBAN-STATE
				80% FED / 20% STATE PERRY COUNTY	80% FED / 20% STATE PERRY COUNTY	80% FED / 20% STATE PERRY COUNTY
X0322729	MATERIAL TRANSFER DEVICE	TON	6136.9	5448.8	434.6	253.5
X4066428	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N90	TON	6136.9	5448.8	434.6	253.5
35102000	AGGREGATE BASE COURSE TYPE B, 8"	SO YD	494.2	494.2		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6540.5	5803.3	465.6	271.6
40600300	AGGREGATE (PRIME COAT)	TON	109.3	97.0	7.8	4.5
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	10.8	9.3	1.4	
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	0.9	0.1	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SO YD	427.0	427.0		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	122.2	122.2		
40600990	TEMPORARY RAMP	SO YD	141.0	106.4	26.6	8.0
40800040	INCIDENTAL BITUMINOUS SURFACE	TON	124.9	124.2	0.7	
44000002	BITUMINOUS SURFACE REMOVAL 1/2"	SO YD	64268.0	64268.0		
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SO YD	8192.0		5174.0	3018.0
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	1148.7	980.9	167.8	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	817.1	773.4	43.7	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	81.2	81.2	0.0	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	111.1	106.2	4.9	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	43393.0	43393.0		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1273.6	1273.6		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3.0	1.8	1.2	
67100100	MOBILIZATION	L SUM	1.0	0.7	0.3	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	1.0		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1.0	1.0		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0		0.5	0.5
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5577.5	4915.8	661.7	
70300220	TEMPORARY PAVEMENT MARKING, LINE 4"	FOOT	74015.0	73508.0	507.0	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	24671.6	24502.6	169.0	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	74015.0	73508.0	507.0	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	363.0	338.0	25.0	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	363.0	338.0	25.0	

*SPECIALTY ITEMS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 06-08	PERRY	11	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	

TYPICAL SECTION #1 PERRY COUNTY

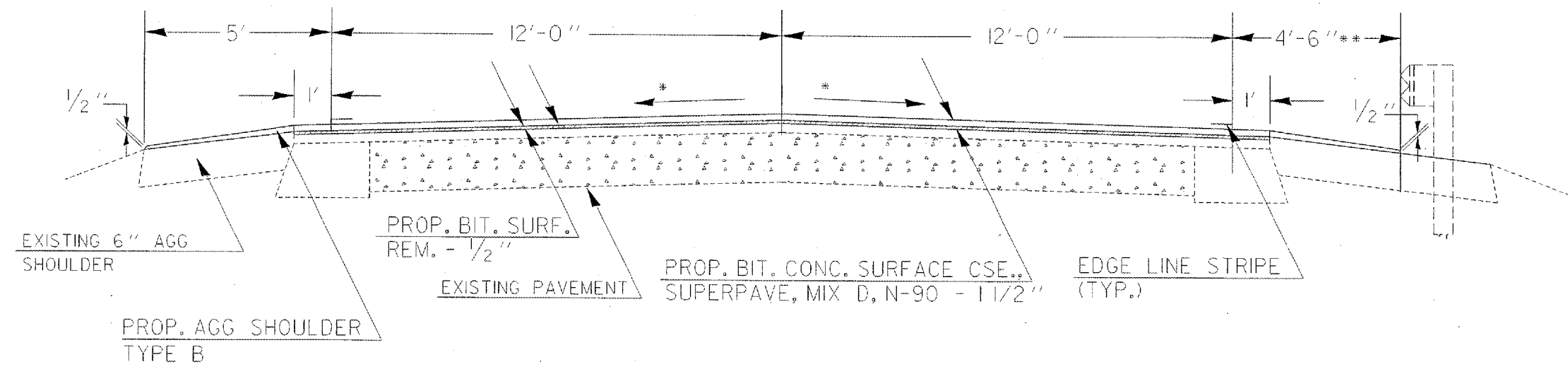


- TO BE USED:
- LT. & RT. STA. 950+55 TO STA. 908+50
 - LT. & RT. STA. 897+00 TO STA. 879+00
 - LT. & RT. STA. 871+85 TO STA. 871+35
 - LT. STA. 4+00 TO STA. 70+85
 - RT. STA. 4+00 TO STA. 56+23
 - RT. STA. 62+09 TO STA. 99+44
 - LT. STA. 74+54 TO STA. 99+44
 - LT. & RT. STA. 120+36 TO STA. 187+45

* MATCH EXISTING SLOPE

** IN AREAS WHERE GUARDRAIL IS PRESENT (TYPICAL BOTH SIDES)

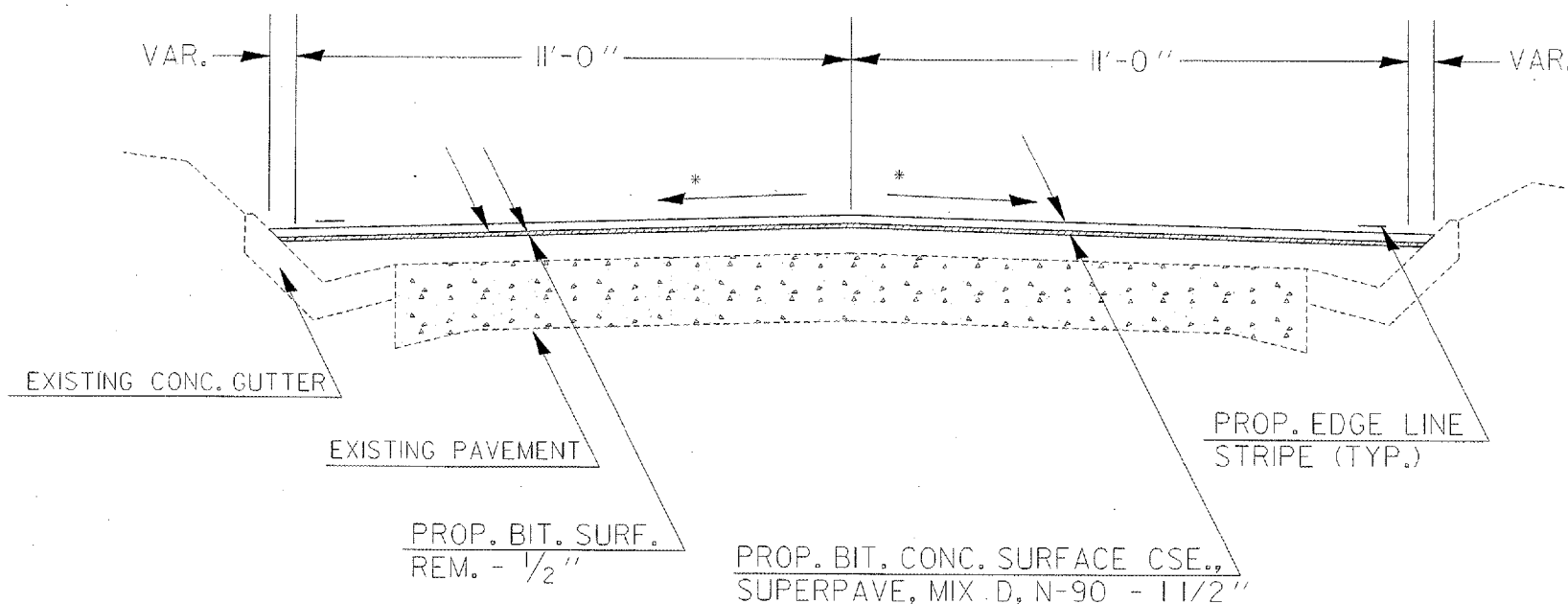
TYPICAL SECTION #2 PERRY COUNTY



- TO BE USED:
- LT. & RT. STA. 908+50 TO STA. 905+83.40 (AT BEAUCOUP CR. BRIDGE)
 - LT. & RT. STA. 899+76.40 TO STA. 897+00 (AT BEAUCOUP CR. BRIDGE)
 - LT. & RT. STA. 879+00 TO STA. 876+33.00 (AT PANTHER CR. BRIDGE)
 - LT. & RT. STA. 874+13.42 TO STA. 871+85 (AT PANTHER CR. BRIDGE)

F.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TYPICAL SECTION #3 PERRY COUNTY

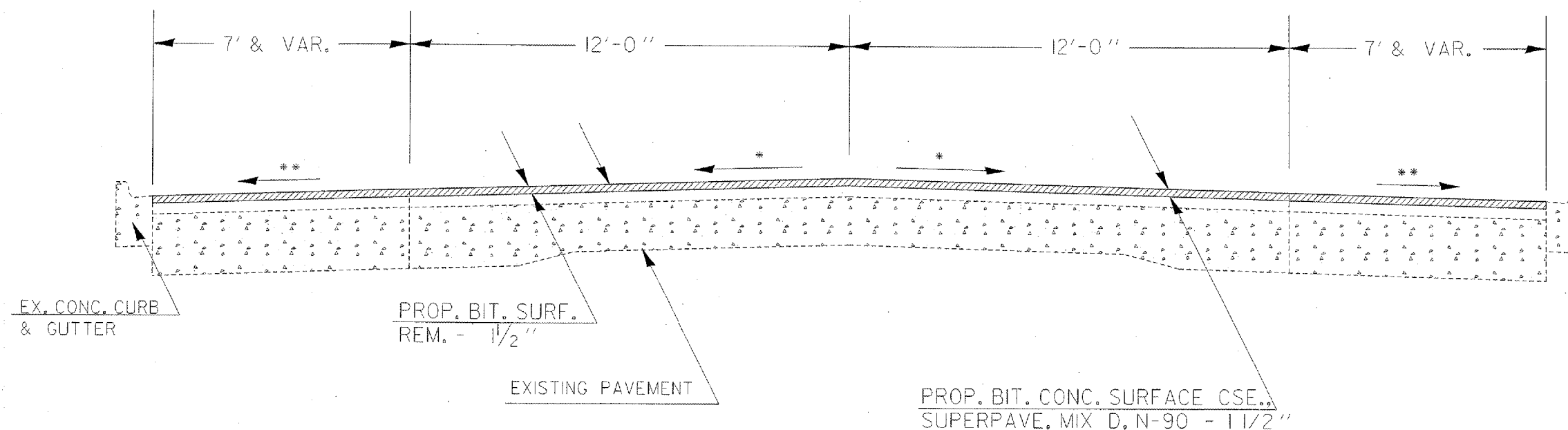


TO BE USED: LT. & RT. STA. 871+35 TO STA. 4+00
 RT. STA. 56+23 TO STA. 62+09
 LT. STA. 70+85 TO STA. 74+54

* MATCH EXISTING SLOPE

** VARY SLOPE & THICKNESS TO MAINTAIN PRESENT DRAINAGE PATTERNS, AS DIRECTED BY THE ENGINEER.

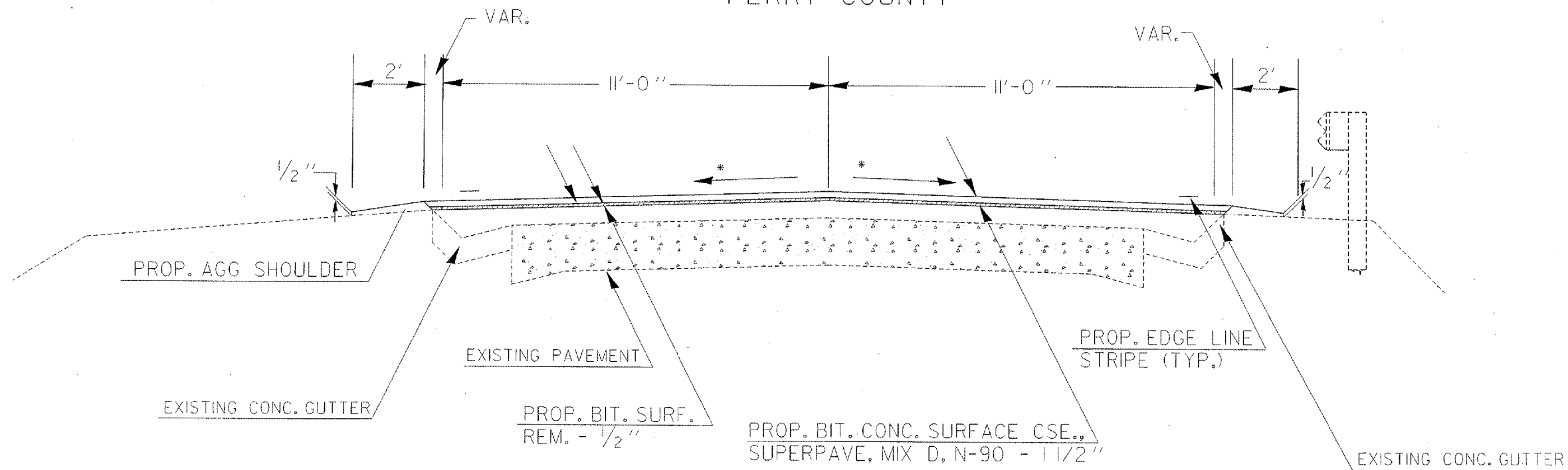
TYPICAL SECTION #4 PERRY COUNTY



TO BE USED: LT. & RT. STA. 249+35 TO STA. 268+55

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTION #5
PERRY COUNTY



* MATCH EXISTING

TO BE USED: LT. & RT. STA. 99+44 TO STA. 120+36

FOR INFORMATION ONLY

1. IN AUGUST, 2005 THE ILLINOIS DEPARTMENT OF TRANSPORTATION MAINTENANCE CREW CONSTRUCTED WORK ON ILLINOIS 152. THE WORK WAS CONSTRUCTED BETWEEN STATION 99+44 AND STATION 120+36. THE WORK CONSISTED OF MILLING THE EXISTING TYPE "X" V-GUTTER FLUSH WITH THE EXISTING PAVEMENT, EARTH EXCAVATION, RIPRAP AND SEED DISTURBED GROUND. THE PURPOSE OF THE PROPOSED WORK WAS TO REDUCE THE WATER ON THE PAVEMENT.

RESURFACING SCHEDULE

CONTRACT NO. 98908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	7
TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LOCATION STATION TO STATION				LENGTH (FT)	TYPICAL NUMBER	ROADWAY WIDTH (FT)	ROADWAY AREA (SQ YD)	BIT. SURF. REM. 1/2" (SQ YD)	BIT. SURF. REM. 1 1/2" (SQ YD)	BIT. SURF. REM. BUTT JOINT (SQ YD)	TEMPORARY RAMP (SQ YD)	BIT. SURF. CSE. SUPERPAVE, MIX D, N 90 (TON)	BIT. MAT. PRIME COAT (GAL)	AGG. PRIME COAT (TON)	AGG. SHOULDER WIDTH (FT)	AGG. SHOULDER (TON)	STRIP REFL. CRACK CONTROL (FT)	
																		FOR INFORMATIONAL PURPOSE ONLY
RURAL SECTION																		
RT.	950+55	TO	950+35	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
RT.	950+35	TO	908+50	4185.0	1	11.0	5115.0	5115.0				430.8	460.4	7.7	2.0	105.9	4185.0	
RT.	908+50	TO	905+83	266.6	2	13.0	385.1	385.1				32.4	34.7	0.6	4.0	13.5		
RT.	905+83	TO	905+63	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
RT.	905+63	TO	899+76							BRIDGE OMISSION (BEAUCOUP CREEK)								
RT.	899+76	TO	899+56	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
RT.	899+56	TO	897+00	256.4	2	13.0	370.4	370.4				31.2	33.3	0.6	4.0	13.0		
RT.	897+00	TO	879+00	1800.0	1	11.0	2200.0	2200.0				185.3	198.0	3.3	2.0	45.6	1800.0	
RT.	879+00	TO	876+33	267.2	2	13.0	386.0	386.0				32.5	34.7	0.6	4.0	13.5		
RT.	876+33	TO	876+13	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
RT.	876+13	TO	874+13							BRIDGE OMISSION (PANTHER CREEK)								
RT.	874+13	TO	873+93	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
RT.	873+93	TO	871+85	208.4	2	13.0	301.1	301.1				25.3	27.1	0.5	4.0	10.5		
RT.	871+85	TO	871+35	50.0	1	11.0	61.1	61.1				5.1	5.5	0.1	2.0	1.3	50.0	
RT.	871+35	TO	867+50	384.6	3	11.5	491.4	491.4				41.3	44.2	0.7				
RT.	867+50	TO	0+00							STATION EQUATION: 867+50.40 BK = 0+00 AH								
RT.	0+00	TO	4+00	400.0	3	11.5	511.1	511.1				42.9	46.0	0.8				
RT.	4+00	TO	49+73	4573.3	1	11.0	5589.5	5589.5				470.7	503.1	8.4	2.0	115.7	4573.3	
RT.	49+73	TO	49+93	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
RT.	49+93	TO	51+47							BRIDGE OMISSION (MINE HAUL ROAD)								
RT.	51+47	TO	51+67	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
RT.	51+67	TO	56+23	455.8	1	11.0	557.0	557.0				46.9	50.1	0.8	2.0	11.5	455.8	
RT.	56+23	TO	62+09	586.0	3	11.5	748.8	748.8				62.9	67.4	1.1				
RT.	62+09	TO	99+44	3735.0	1	11.0	4565.0	4565.0				384.4	410.9	6.8	2.0	94.5	3735.0	
RT.	99+44	TO	107+00	756.0	5	11.5	966.0	966.0				81.6	86.9	1.4	2.0	19.1		
RT.	107+00	TO	110+15	315.0	5	11.5	402.5	402.5				34.0	36.2	0.6	2.0	8.0		
RT.	110+15	TO	120+36	1021.0	5	11.5	1304.6	1304.6				110.2	117.4	2.0	2.0	25.8		
RT.	120+36	TO	187+45	6709.0	1	11.0	8199.9	8199.9				690.6	738.0	12.3	2.0	169.8	6709.0	
RT.	187+45	TO	187+65	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
RT.	187+65	TO	230+53							PAVING OMISSION: STATION 187+65.0 TO STATION 230+53.0								
LT.	950+55	TO	950+35	20.0	1	11.0	24.4			24.4	6.1	2.1		0.0	2.0	0.5	20.0	
LT.	950+35	TO	908+50	4185.0	1	11.0	5115.0	5115.0				430.8	460.4	7.7	2.0	105.9	4185.0	
LT.	908+50	TO	905+83	266.6	2	13.0	385.1	385.1				32.4	34.7	0.6	4.0	13.5		
LT.	905+83	TO	905+63	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
LT.	905+63	TO	899+76							BRIDGE OMISSION (BEAUCOUP CREEK)								
LT.	899+76	TO	899+56	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
LT.	899+56	TO	897+00	256.4	2	13.0	370.4	370.4				31.2	33.3	0.6	4.0	13.0		
LT.	897+00	TO	879+00	1800.0	1	11.0	2200.0	2200.0				185.3	198.0	3.3	2.0	45.6	1800.0	
LT.	879+00	TO	876+33	267.2	2	13.0	386.0	386.0				32.5	34.7	0.6	4.0	13.5		
LT.	876+33	TO	876+13	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
LT.	876+13	TO	874+13							BRIDGE OMISSION (PANTHER CREEK)								
LT.	873+93	TO	873+73	20.0	2	13.0	28.9			28.9	7.2	2.4	2.6	0.0	4.0	1.0		
LT.	873+73	TO	871+85	188.4	2	13.0	272.2	272.2				22.9	24.5	0.4	4.0	9.5		
LT.	871+85	TO	871+35	50.0	1	11.0	61.1	61.1				5.1	5.5	0.1	2.0	1.3	50.0	
LT.	871+35	TO	867+50	384.6	3	11.5	491.4	491.4				41.3	44.2	0.7				
LT.	867+50	TO	0+00							STATION EQUATION: 867+50.40 BK = 0+00 AH								
LT.	0+00	TO	4+00	400.0	3	11.5	511.1	511.1				42.9	46.0	0.8				
LT.	4+00	TO	49+73	4573.3	1	11.0	5589.5	5589.5				470.7	503.1	8.4	2.0	115.7	4573.3	
LT.	49+73	TO	49+93	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
LT.	49+93	TO	51+47							BRIDGE OMISSION (MINE HAUL ROAD)								
LT.	51+47	TO	51+67	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
LT.	51+67	TO	70+85	1917.8	1	11.0	2343.9	2343.9				197.4	211.0	3.5	2.0	48.5	1917.8	
LT.	70+85	TO	74+54	369.0	3	11.5	471.5	471.5				39.6	42.4	0.7				
LT.	74+54	TO	99+44	2490.0	1	11.0	3043.3	3043.3				256.3	273.9	4.6	2.0	63.0	2490.0	
LT.	99+44	TO	107+00	756.0	5	11.5	966.0	966.0				81.6	86.9	1.4	2.0	19.1		
LT.	107+00	TO	110+15	315.0	5	11.5	402.5	402.5				34.0	36.2	0.6	2.0	8.0		
LT.	110+15	TO	120+36	1021.0	5	11.5	1304.6	1304.6				110.2	117.4	2.0	2.0	25.8		
LT.	120+36	TO	187+45	6709.0	1	11.0	8199.9	8199.9				690.6	738.0	12.3	2.0	169.8	6709.0	
LT.	187+45	TO	187+65	20.0	1	11.0	24.4			24.4	6.1	2.1	2.2	0.0	2.0	0.5	20.0	
LT.	187+65	TO	230+53							PAVING OMISSION: STATION 187+65.0 TO STATION 230+53.0								
SUBTOTAL - RURAL SECTION							64694.6	64268.0	0.0	426.7	106.4	5448.8	5803.3	97.0		1312.3	43393.0	
URBAN SECTION																		
LT. & RT.	230+53	TO	249+15							PAVING OMISSION: STATION 230+53.0 TO STATION 249+15.0								
LT. & RT.	249+15	TO	268+55	1940.0	4	24.0	5173.3	5173.3			26.6	434.6	465.6	7.8				
SUBTOTAL - URBAN SECTION							5173.3	5173.3			26.6	434.6	465.6	7.8				
PARKING AREA																		
LT. & RT.	249+15	TO	268+55	1940.0	4	14.0	3017.8	3017.8			7.8	253.5	271.6	4.5				
SUBTOTAL - PARKING AREA							3017.8	3017.8			7.8	253.5	271.6	4.5				
TOTALS								64268.0	8191.1	426.7	140.8	6136.8	6540.5	109.3		1312.3	43393.0	

EXTRA AGG SHOULDER QUANTITY FOR FIELD ENTRANCES = 8.0 TON RURAL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PAVEMENT MARKING SCHEDULE

STATION		LENGTH	4" YELLOW SKIP DASH	4" YELLOW SKIP DASH & NO PASSING	4" DOUBLE SOLID YELLOW	4" WHITE EDGE LINES	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING (2 APPL.)	TEMP. PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
		(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	(EACH)	(FT)	(FT)	(SQ FT)
950+22	TO 949+02	120.0		150.0		240.0	1.5	1.5	21.8	390.0	130.0
949+02	TO 872+82	7620.0	1905.0			15240.0	95.3	95.3	1385.5	17145.0	5715.0
872+82	TO 867+50	531.6	132.9			1063.2	6.6	6.6	96.7	1196.1	398.7
867+50 BK	= 0+00 AH										
0+00	TO 3+57	357.4		446.7		714.8	4.5	4.5	65.0	1161.5	387.2
3+57	TO 4+72	115.0			230.0	230.0	1.4	1.4	20.9	460.0	153.3
4+72	TO 13+92	920.0		1150.0		1840.0	11.5	11.5	167.3	2990.0	996.7
13+92	TO 14+24	32.0	8.0			64.0	0.4	0.4	5.8	72.0	24.0
14+24	TO 20+77	653.0		816.3		1306.0	8.2	8.2	118.7	2122.3	707.4
20+77	TO 24+73	396.0	99.0			792.0	5.0	5.0	72.0	891.0	297.0
24+73	TO 30+97	624.0		780.0		1248.0	7.8	7.8	113.5	2028.0	676.0
30+97	TO 42+74	1177.0	294.3			2354.0	14.7	14.7	214.0	2648.3	882.8
42+74	TO 50+78	804.0		1005.0		1608.0	10.1	10.1	146.2	2613.0	871.0
50+78	TO 53+09	231.0			462.0	462.0	2.9	2.9	42.0	924.0	308.0
53+09	TO 61+53	844.0		1055.0		1688.0	10.6	10.6	153.5	2743.0	914.3
61+53	TO 73+68	1215.0	303.8			2430.0	15.2	15.2	220.9	2733.6	911.3
73+68	TO 80+74	706.0		882.5		1412.0	8.8	8.8	128.4	2294.5	764.8
80+74	TO 84+40	366.0	91.5			732.0	4.6	4.6	66.5	823.5	274.5
84+40	TO 88+77	437.0		546.3		874.0	5.5	5.5	79.5	1420.3	473.4
88+77	TO 90+54	177.0			354.0	354.0	2.2	2.2	32.2	708.0	236.0
90+54	TO 98+46	792.0		990.0		1584.0	9.9	9.9	144.0	2574.0	858.0
98+46	TO 99+71	125.0	31.3			250.0	1.6	1.6	22.7	281.3	93.8
99+71	TO 108+35	864.0		1080.0		1728.0	10.8	10.8	157.1	2808.0	936.0
108+35	TO 111+51	316.0	79.0			632.0	4.0	4.0	57.5	711.0	237.0
111+51	TO 119+88	837.0		1046.3		1674.0	10.5	10.5	152.2	2720.3	906.8
119+88	TO 122+78	290.0	72.5			580.0	3.6	3.6	52.7	652.5	217.5
122+78	TO 130+32	754.0		942.5		1506.0	9.4	9.4	137.1	2450.5	816.8
130+32	TO 162+08	3176.0	794.0			6352.0	39.7	39.7	577.5	7146.0	2382.0
162+08	TO 174+04	1196.0		1495.0		2392.0	15.0	15.0	217.5	3887.0	1295.7
174+04	TO 180+57	653.0			1306.0	1306.0	8.2	8.2	118.7	2612.0	870.7
180+57	TO 187+65	708.0		885.0		1416.0	8.9	8.9	128.7	2301.0	767.0
SUBTOTAL - RURAL SECTION			PAVING OMISSION: STATION 187+65.0 TO STATION 249+15.0								
			73507.7								
249+15	TO 249+26	11.0	2.6			22.0	338.0	338.0	4915.8	73507.7	24502.6
249+26	TO 268+55	1929.0	482.3				0.1	0.1	2.0	24.8	8.3
SUBTOTAL - URBAN SECTION			507.0								
TOTALS			74014.7								
			362.2								
			362.2								
			5577.5								
			74014.7								
			24671.6								

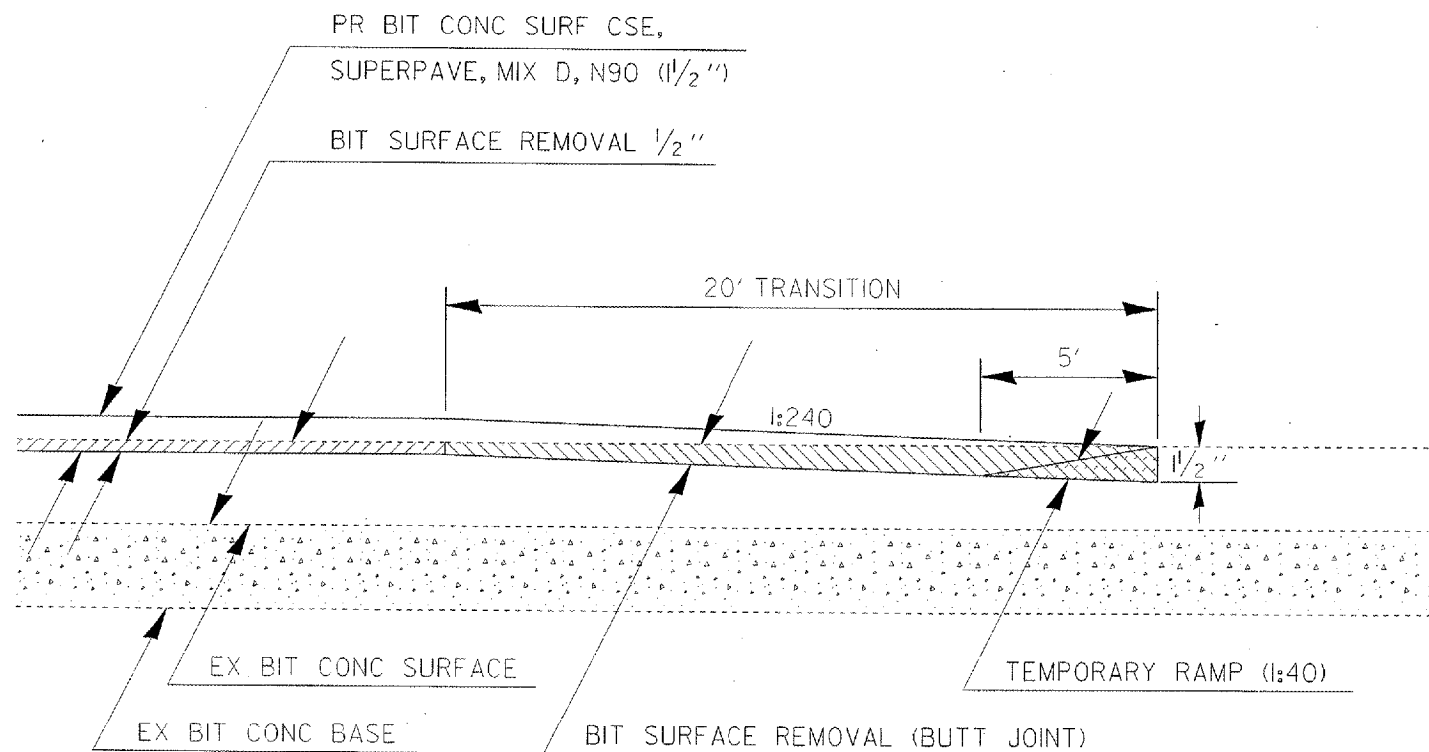
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	FERRY	11	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIDEROAD SCHEDULE

ENTRANCE TYPE	STATION		EXISTING SURFACE TYPE	EOP WIDTH (FT)	4' OFFSET WIDTH (FT)	15' OFFSET WIDTH (FT)	AREA (SQ YD)	BIT. SURF. REM. BT. JT. (SQ YD)	BIT. MAT. PRIME COAT (GAL)	AGG. PRIME COAT (TON)	INCIDENTAL BIT. SURFACE (TON)	PCC SURF. REM. BT. JT. (SQ YD)	AGGREGATE BASE COURSE TYPE B-8" (SQ YD)
	(FT)	LT/RT											
RURAL SECTION													
PE	950+09	RT	BIT	47	37		18.67		1.68	0.03	0.78		
PE	934+86	RT	AGG	22	12		7.56		2.42	0.01	0.63		
PE	932+78	LT	AGG	40	30		15.56		4.98	0.02	1.31		
PE	932+78	RT	AGG	42	32		16.44		5.26	0.02	1.38		
SHADY OAK RD	928+80	RT	O & C	58		28	71.67	71.67	6.45	0.11	12.04		71.67
PE	917+25	RT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	916+00	RT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	915+60	RT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	913+75	LT	AGG	30	20		11.11		3.56	0.02	0.93		
CUDGETOWN RD	873+15	LT	O & C	90		46	113.33	113.33	10.20	0.17	19.04		113.33
CE	873+15	RT	O & C	90	76		36.89		3.32	0.06	1.55		
CE	20+20	RT	AGG	130	115		54.44		17.42	0.08	4.57		
PE	20+20	LT	AGG	36	26		13.78		4.41	0.02	1.16		
PE	23+98	LT	AGG	30	20		11.11		3.56	0.02	0.93		
CE	32+30	LT	AGG	21	15		8.00		2.56	0.01	0.67		
CE	52+25	RT	AGG	60	46		23.56		7.54	0.04	1.98		
LANDFILL RD	52+25	LT	CONC	140	(USE 8' OFFSET) 135		122.22		11.00	0.18	10.27	122.22	
PE	70+50	LT	AGG	30	20		11.11		3.56	0.02	0.93		
CE	83+60	LT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	84+90	RT	AGG	62	46		24.00		7.68	0.04	2.02		
PE	87+70	RT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	98+50	LT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	99+00	LT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	101+20	LT	AGG	21	12		7.33		2.35	0.01	0.62		
PE	120+72	LT	AGG	36	24		13.33		4.27	0.02	1.12		
SOURGUM RD	128+12	RT	O & C	83		30	94.17	94.17	8.48	0.14	15.82		94.17
SACRED HEART CEMETARY RD	139+10	LT	O & C	54		25	65.83	65.83	5.93	0.10	11.06		65.83
PE	143+65	RT	AGG	25	15		8.89		2.84	0.01	0.75		
PE	152+20	LT	AGG	18	12		6.67		2.13	0.01	0.56		
PE	151+34	LT	AGG	27	16		9.56		3.06	0.01	0.80		
PE	155+00	LT	AGG	24	13		8.22		2.63	0.01	0.69		
PE	155+84	LT	AGG	16	12		6.22		1.99	0.01	0.52		
PE	157+75	LT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	159+30	LT	AGG	25	15		8.89		2.84	0.01	0.75		
PE	161+70	LT	AGG	23	12		7.78		2.49	0.01	0.65		
KATHLEEN RD	165+20	RT	BIT	75		42	97.50	97.50	8.78	0.15	8.19		97.50
PE	165+20	LT	AGG	30	20		11.11		3.56	0.02	0.93		
PE	167+65	LT	AGG	30	20		11.11		3.56	0.02	0.93		
BUTTERNUT RD	168+51	LT	O & C	45		17	51.67	51.67	4.65	0.08	8.68		51.67
PE	172+39	LT	AGG	45	32		17.11		5.48	0.03	1.44		
PE	178+00	RT	AGG	18	12		6.67		2.13	0.01	0.56		
PE	179+40	LT	AGG	18	12		6.67		2.13	0.01	0.56		
CE	183+21	LT	AGG	40	28		15.11		4.64	0.02	1.27		
PE	183+77	RT	AGG	24	12		8.00		2.56	0.01	0.67		
SUBTOTAL - RURAL								494.2	200.7	1.7	124.2	122.2	494.2
URBAN SECTION													
PE	249+26	LT	AGG	21	15		8.00		2.56	0.01	0.67		
WEST ST.	249+48	RT	BIT	52.2									
WEST ST.	249+48	LT	BIT	52.2									
WELLS ST.	256+46	RT	BIT	45									
WELLS ST.	256+46	LT	BIT	44									
LINDEN ST.	261+51	RT	BIT	42									
LINDEN ST.	261+51	LT	BIT	45.8									
MAPLE ST.	265+63	RT	BIT	44									
MAPLE ST.	265+63	LT	BIT	40									
SUBTOTAL - URBAN								0.00	2.56	0.01	0.67	0.00	0.00
TOTAL								494.17	203.27	1.68	124.91	122.22	494.17

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BUTT JOINT DETAIL

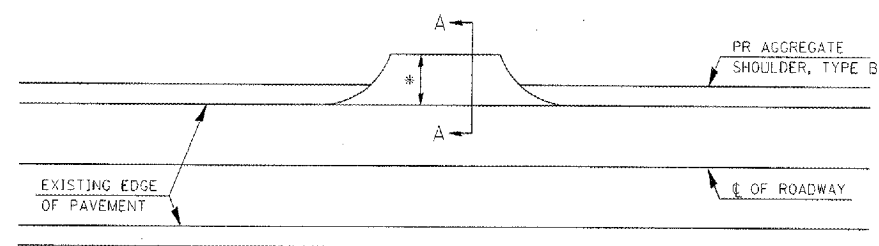


TO BE USED:

- | | |
|--------------------------------|--------------------------------|
| STA 1+04.70 TO STA 1+24.70 | STA 876+13.00 TO STA 876+33.00 |
| STA 49+73.00 TO STA 49+93.00 | STA 873+93.00 TO STA 874+13.00 |
| STA 51+47.00 TO STA 51+67.00 | STA 899+56.00 TO STA 899+76.00 |
| STA 52+44.00 TO STA 52+64.00 | STA 905+63.00 TO STA 905+83.00 |
| STA 187+45.00 TO STA 187+65.00 | STA 950+02.00 TO STA 950+22.00 |

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
865	SMART FY 05-08	PERRY	11	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

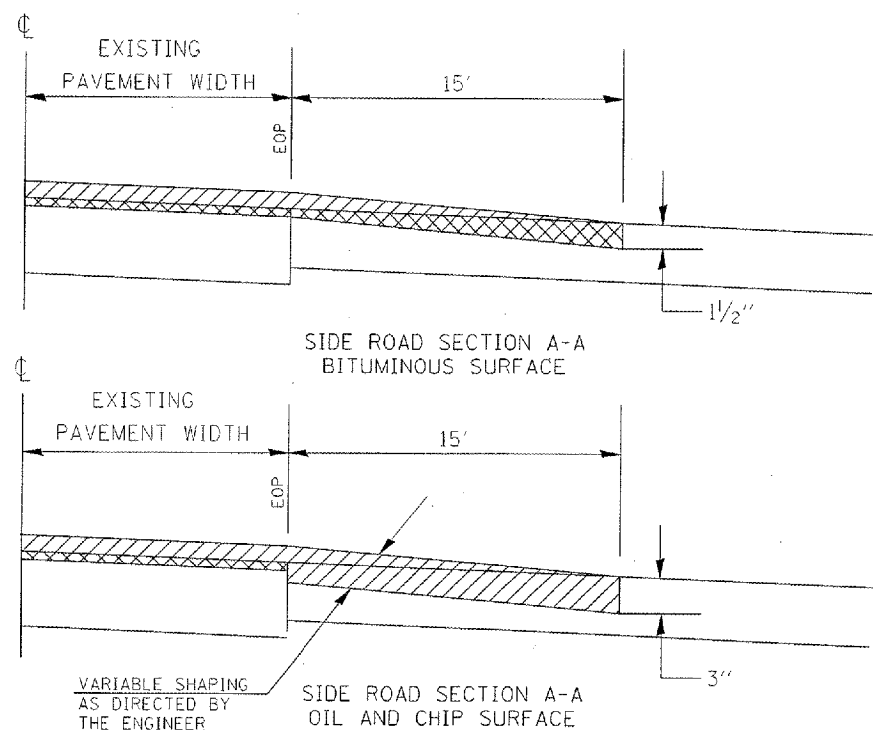
SIDE ROAD DETAIL



* RESURFACE AS INDICATED BELOW

LEGEND

- BIT SURF CSE, SUPER, MIX D, N90
- BIT SURFACE REMOVAL 1/2"
- AGG BASE COURSE, TYPE B, 8"
- BIT SURF REM BUTT JOINT

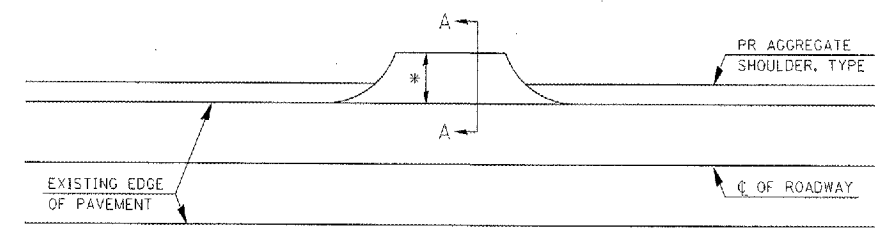


IF EXISTING SUB-BASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDEROADS SHALL BE CORED OUT AND AGGREGATE SUB-BASE, TYPE B SHALL BE PLACED FOR THE BASE. THE COST OF CORING OUT THE SIDEROAD SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE. IF EXISTING SUB-BASE IS DETERMINED TO BE ADEQUATE, THE AGGREGATE BASE COURSE SHALL BE DELETED AND THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.19.

VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL BITUMINOUS SURFACING

THE ABOVE QUANTITIES HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES.

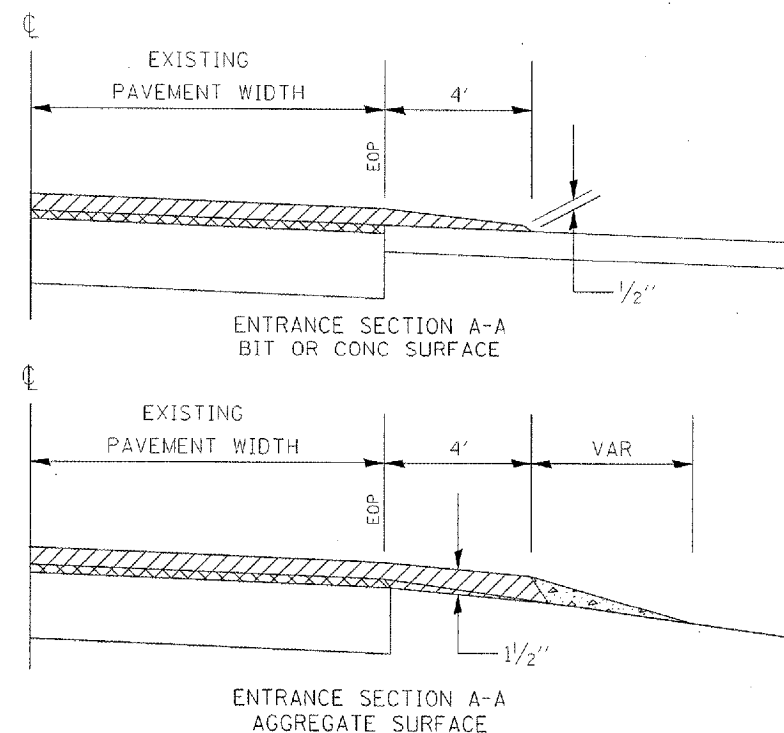
ENTRANCE DETAIL



* RESURFACE AS INDICATED BELOW

LEGEND

- BIT SURF CSE, SUPER, MIX D, N90
- BIT SURFACE REMOVAL 1/2"
- AGG WEDGE



NOTE: THIS DETAIL APPLIES UNLESS OTHERWISE NOTED IN THE RESURFACING SCHEDULE.