

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	1
		ILLINOIS	CONTRACT NO. 78489	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 5-7

STATION EQUATIONS

STA. 566+60.70 BK. = STA. 566+74.00 AH.
STA. 726+00.00 BK. = STA. 726+11.90 AH.

BRIDGE OMISSIONS

SN 044-0059 - STA. 627+39.7 TO STA. 629+10.3
SN 044-7096 - STA. 758+60.8 TO STA. 759+35.8

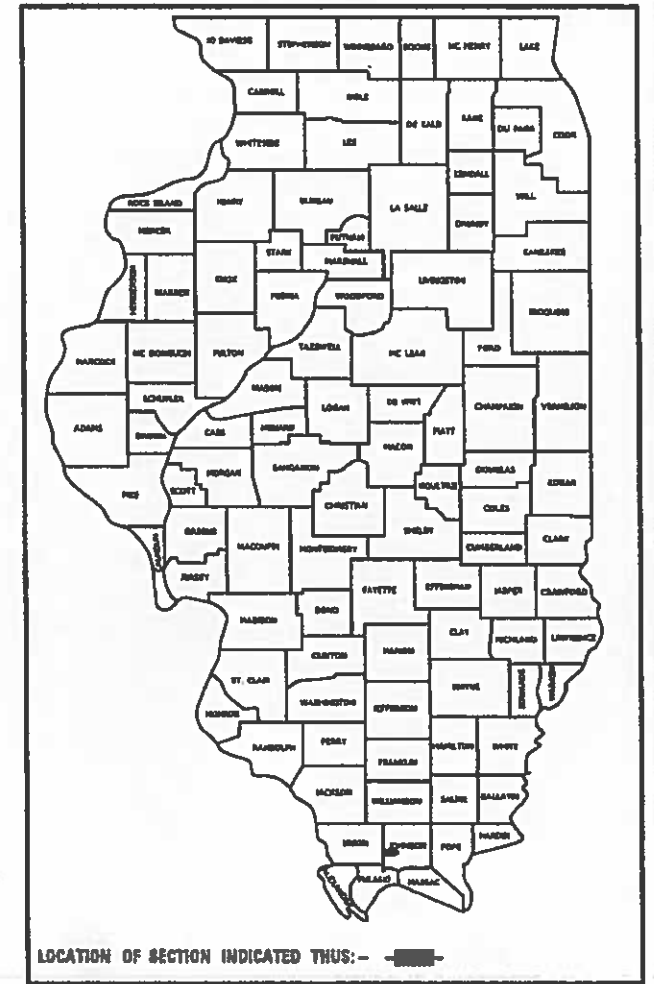
**PROPOSED
HIGHWAY PLANS**

FAP 885 ROUTE (IL 146)
SECTION 107RS-8
PROJECT STP-HVP6(491)
RESURFACING (3P)
JOHNSON COUNTY

C-99-057-15

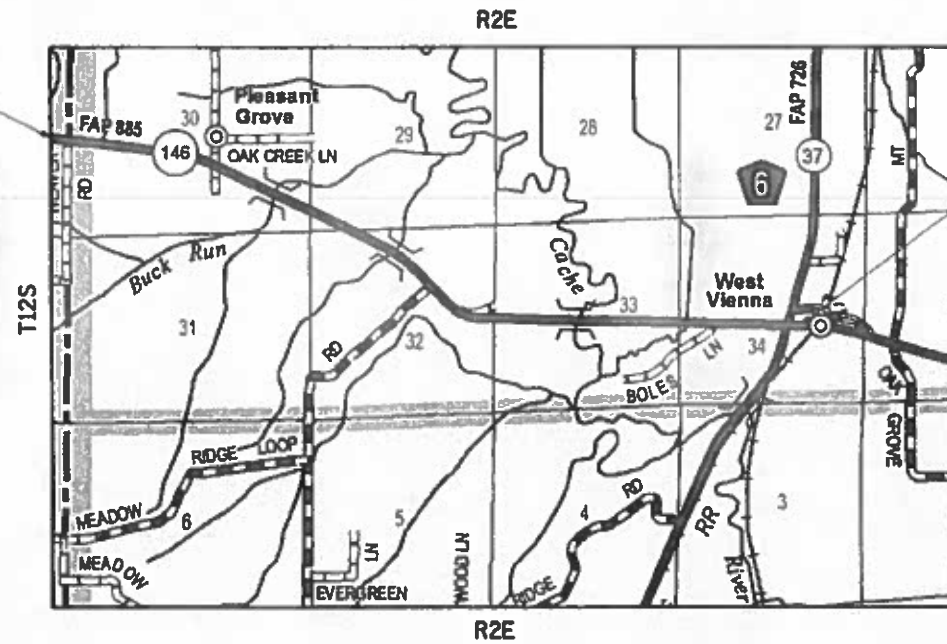
TRAFFIC DATA

IL 146			
	2017	2019	2039
PV =	3,700	3,775	4,610
SU =	250	255	310
MU =	450	460	560
ADT =	4,400	4,490	5,480



**TOWNSHIPS
ELVIRA**

PROJECT BEGINS
FAP 885 (IL 146)
STA. 566+15



PROJECT ENDS
FAP 885 (IL 146)
STA. 793+94

POSTED SPEED : 55 MPH

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER VALERIE ROLLA - (618) 351-5214
PROJECT DESIGNER JOHN A. BRANDON - (618) 351-5319

GROSS LENGTH = 22,753.00 FT. = 4.309 MILES
NET LENGTH = 22,508.20 FT. = 4.263 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 06-07-2019
[Signature]
REGION FIVE ENGINEER

June 14 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 14 2019
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

CONTRACT NO. 78489

MODEL: C:\pilot\...
 FILE NAME: ...

Prepared By: Charles Stein
 DISTRICT STUDIES & PLANS ENGINEER

Examined By: _____
 DISTRICT LAND ACQUISITION ENGINEER

Examined By: Conie Nika
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Keel [Signature]
 DISTRICT OPERATIONS ENGINEER

Examined By: [Signature]
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Darius J. [Signature]
 DISTRICT CONSTRUCTION ENGINEER

Examined By: [Signature]
 DISTRICT MATERIALS ENGINEER

USER NAME = brandonja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/31/2019	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107R5-8	JOHNSON	23	2
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.

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

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT MIX ASPHALT SURFACE REMOVAL OR HOT MIX ASPHALT BINDER COURSE OR LEVELING BINDER, WHEN SPECIFIED.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWS JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT 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.

HMA 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.

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

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

EDGE LINE PAVEMENT MARKING SHOULD BE REMOVED IF A 10 FT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHOULD BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.

AFTER A LIFT OF HOT MIX ASPHALT HAS BEEN PLACED, THE LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150 DEGREES FAHRENHEIT
THE CONTRACTOR SHALL COMPLETE ALL PATCHING PRIOR TO THE HOT MIX ASPHALT SURFACE REMOVAL.

HIGHWAY STANDARDS

- 000001-07_STANDARDSYMBOLSABBREVIATIONS&PATTERNS
- 001006_DECIMALOF INCH&FOOT
- 442201-03_CLASSC&DPATCHES
- 701006-05_OF FRDOP-2L2W-15FTTOEOP
- 701011-04_OF FRDMOVINGOP-2L2W-DAYONLY
- 701301-04_LNCLOSURE2L2W-SHORTTIMEOP
- 701306-04_LNCLOSURE2L2W-SLOWMOVEOPDAYONLY45MPHORMORE
- 701311-03_LNCLOSURE2L2W-MOVINGOPDAYONLY
- 701336-07_LNCLOSURE2L2W-WORKAREASINSERIES45MPHORMORE
- 701901-08_TRAFCNTRLDEVICES
- 780001-05_TYPICALPVMTMRKINGS
- 781001-04_TYPICALAPPAISEDREFLCPVMTMRKRS

	USER NAME = brandonja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED -					885	107RS-8	JOHNSON	23	3
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 78489						
	PLOT DATE = 6/3/2019	DATE -	REVISED -			SCALE:		SHEET OF SHEETS STA. TO STA.				
ILLINOIS FED. AID PROJECT												

MTD CROSSING RESTRICTIONS TABLE

STRUCTURE NUMBER	EXISTING FILL HEIGHT OVER	THICKNESS OF EXISTING PAVEMENT OVER BOX CULVERT	MTD CROSSING RESTRICTIONS
	FOOT	FOOT	
044-7045	3.0		none
044-0059			*Emptied
044-2008	1.0		**Special Requirements Apply
044-7046	1.8		none
044-7047	6.2		none
044-0014			*Emptied
044-7048	4.0		none
044-7096	3.3		none

*The Contractor shall refer to BDE Special Provision for Material Transfer Device

**The emptied MTD must be transported over SN 044-2008 on a transport vehicle and that information describing axle loads and axle spacing of the transport vehicle must be provided to the Engineer for review by the Bureau of Bridges and Structures.

COMMITMENTS

None.

HMA MIXTURE REQUIREMENTS TABLE

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix D, N70
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm
Friction Aggregate:	D Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	TBD

Location(s):	Hot-Mix Asphalt Leveling Binder
Mixture Use(s):	Hot-Mix Asphalt Leveling Binder, N70, Fine Graded
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5mm Fine Graded
Friction Aggregate:	None
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCP
Sublot Size:	TBD

Location(s):	Incidental HMA Surfacing and HMA Shoulders
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N30
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 30 Gyration Design
Mixture Composition: (Mixture Gradation)	IL-9.5L
Friction Aggregate:	C Surface
Mixture Weight:	112 lbs/Sq Yd/in
Quality Management Program:	QCA
Sublot Size:	NA

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PLOT DATE = 6/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURE INFORMATION SCHEDULE,
COMMITMENTS & MIXTURE REQUIREMENTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	4
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

COUNTY: JOHNSON CO
 ROUTE: IL 146
 FUNDING: 80% FED / 20% STATE
 LOCATION: RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	42,097
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	2,494
40600990	TEMPORARY RAMP	SQ YD	700
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5,120
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	134
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	1,337
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	56,328
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	4,226
44200164	PAVEMENT PATCHING, TYPE I, 14 INCH	SQ YD	9.7
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	138.8
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,190
48203100	HOT-MIX ASPHALT SHOULDERS	TON	140
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2

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REV. - MS

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SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 78489					
ILLINOIS FED. AID PROJECT									

SUMMARY OF QUANTITIES - CONT

COUNTY: JOHNSON CO
 ROUTE: IL 146
 FUNDING: 80% FED / 20% STATE
 LOCATION: RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	0005
67100100	MOBILIZATION	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,807
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,269
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	78,701
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	38
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	78,701
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	38
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	284
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	284
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	26,259

* SPECIALTY ITEM

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PLOT DATE = 6/3/2019	DATE -	REVISED -		CONTRACT NO. 78489										
											ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES - CONT

COUNTY:	JOHNSON CO
ROUTE:	IL 146
FUNDING:	80% FED / 20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	0005
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	22,501
Z0034105	MATERIAL TRANSFER DEVICE	TON	7,520

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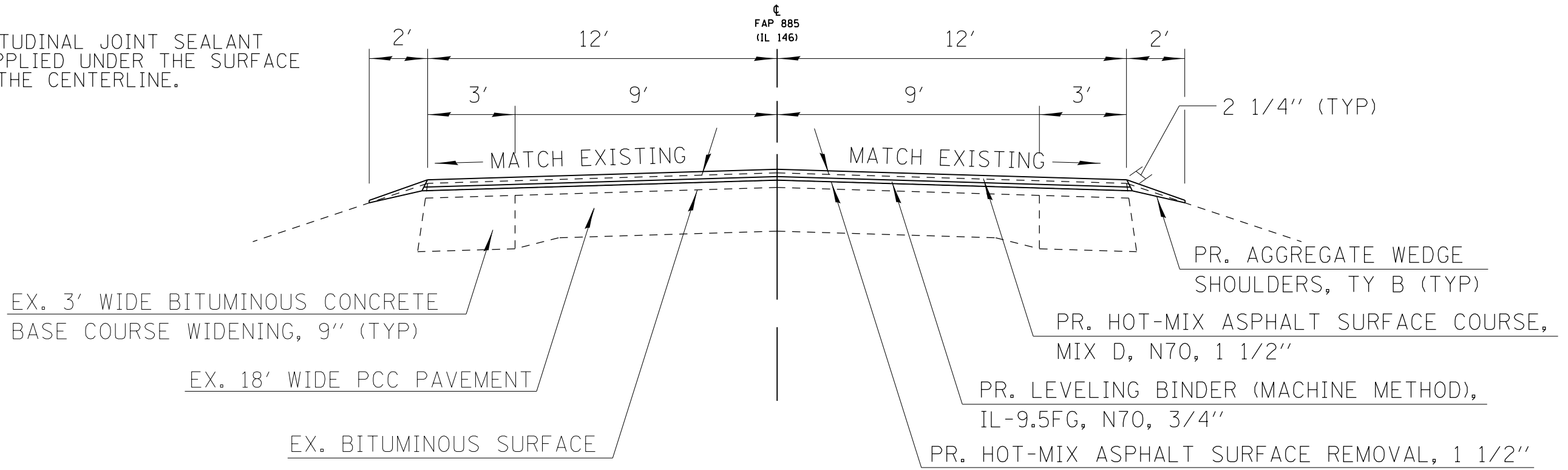
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	7
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.



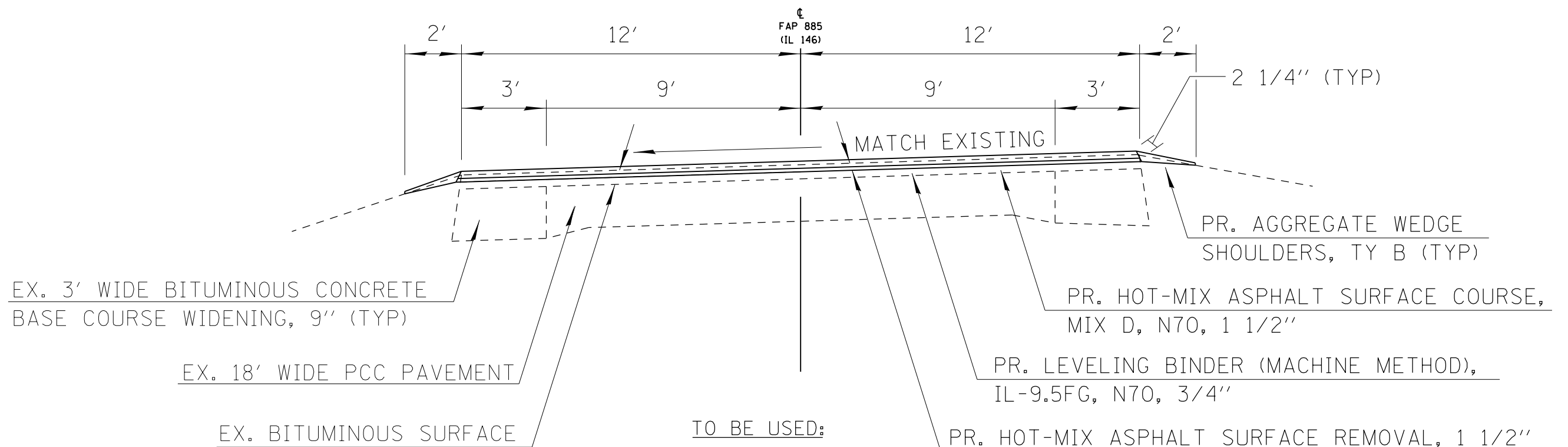
TO BE USED:

* EQ STA - UNION / JOHNSON COUNTY LINE
 STA 566+60.7 BK = STA 566+74.0 AH

* STA 566+15.0 TO STA 597+59.5
 STA 631+20.0 TO STA 660+26.1
 STA 698+75.1 TO STA 724+60.0

STA 609+05.3 TO STA 625+30.0
 STA 677+76.1 TO STA 687+35.8
 STA 731+90.0 TO STA 782+97.5

OMISSION - SN 044-7096
 STA 758+60.8 TO STA 759+35.8



TO BE USED:

STA 597+59.5 TO STA 609+05.3
 STA 660+26.1 TO STA 666+53.0
 STA 666+93.0 TO STA 698+75.1

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

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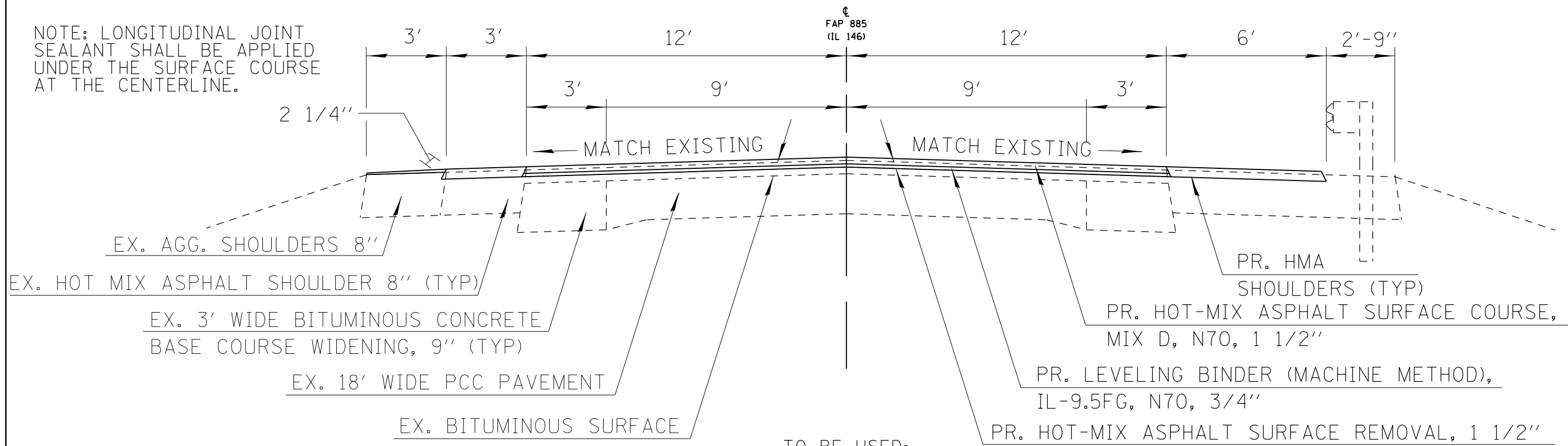
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	8
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

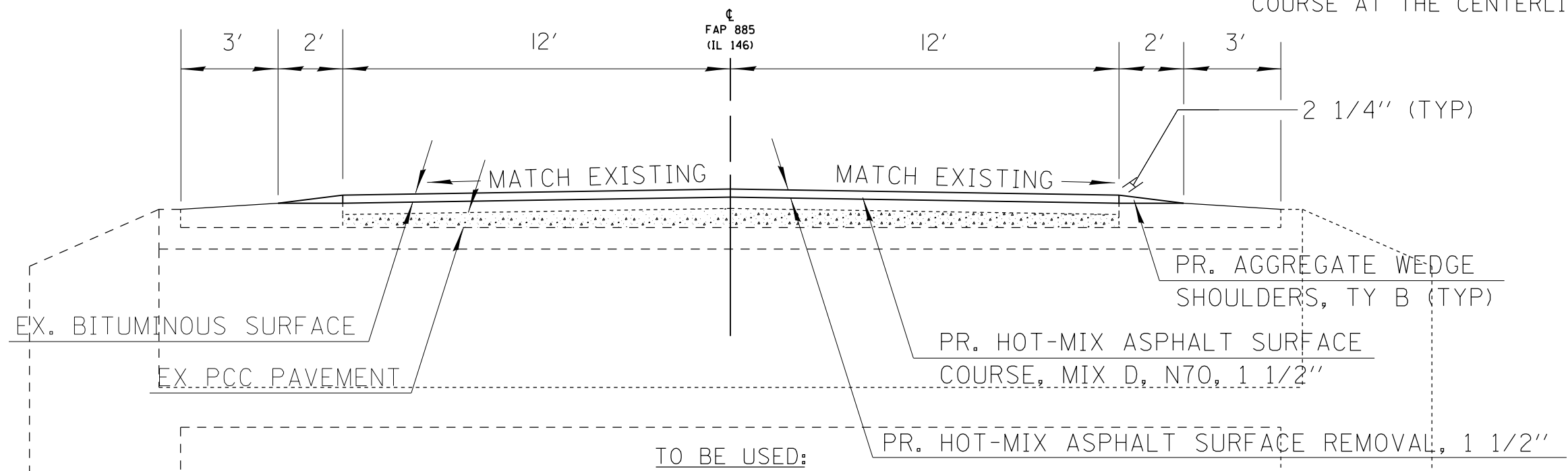


SECTION OUTSIDE GUARDRAIL LIMITS

TO BE USED:
 STA 625+30.0 TO STA 627+39.7
 OMISSION - SN 044-0059 : STA. 627+39.7 TO STA. 629+10.3
 STA 629+10.3 TO STA 631+20.0

SECTION WITHIN GUARDRAIL LIMITS

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.



TO BE USED:
 STA 666+53.0 TO STA 666+93.0
 SN 044-2008

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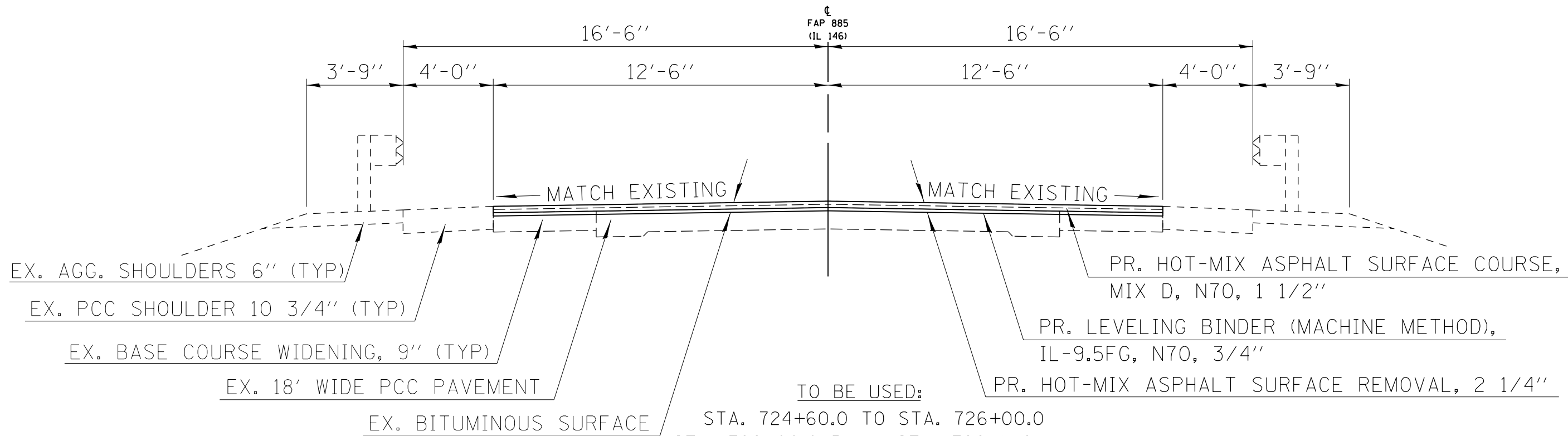
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

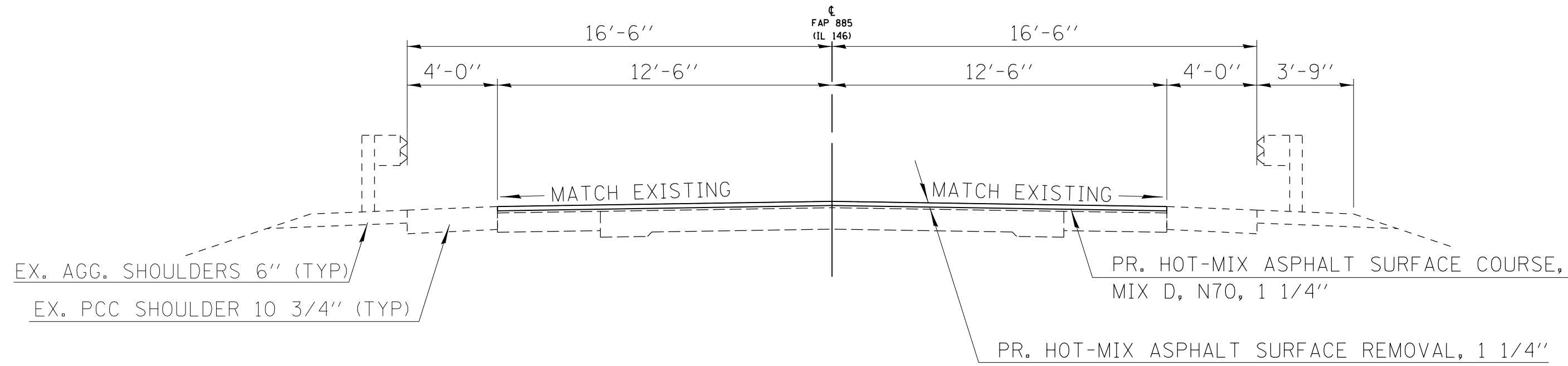
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	9
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				



NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

TO BE USED:
 STA. 724+60.0 TO STA. 726+00.0
 STA. 726+00.0 BK. = STA. 726+11.9 AH.
 STA. 726+11.9 TO STA. 726+34.4
 STA. 730+31.6 TO STA. 731+90.0



NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

TO BE USED:
 STA. 726+34.4 TO STA. 726+40.4
 STA. 730+25.6 TO STA. 730+31.6

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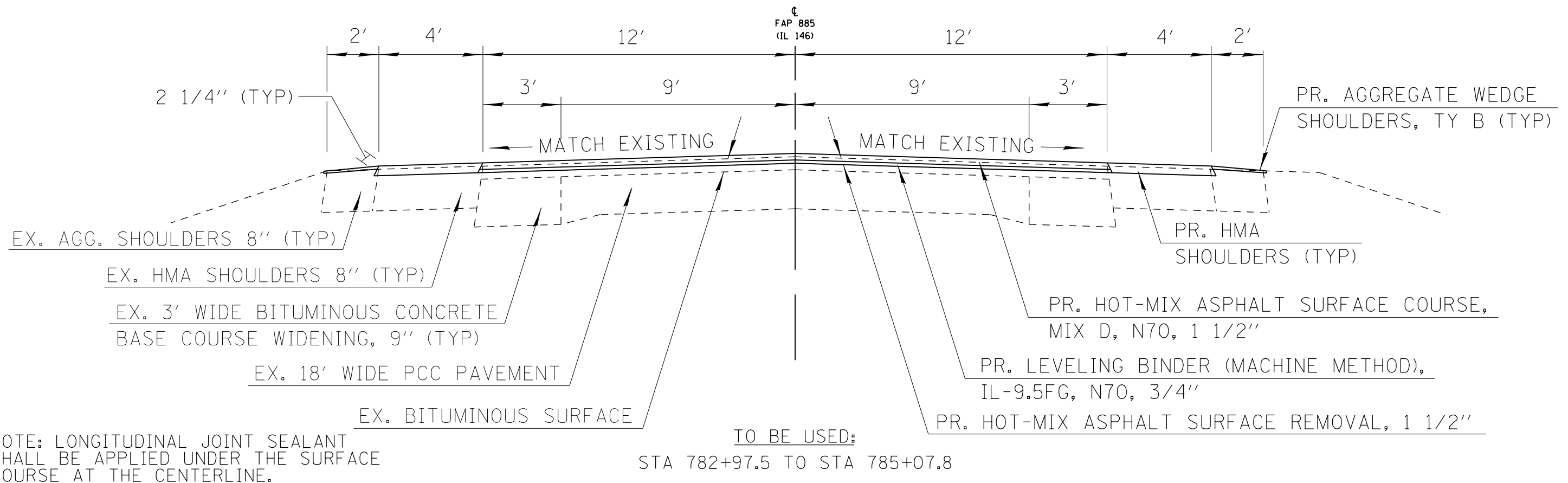
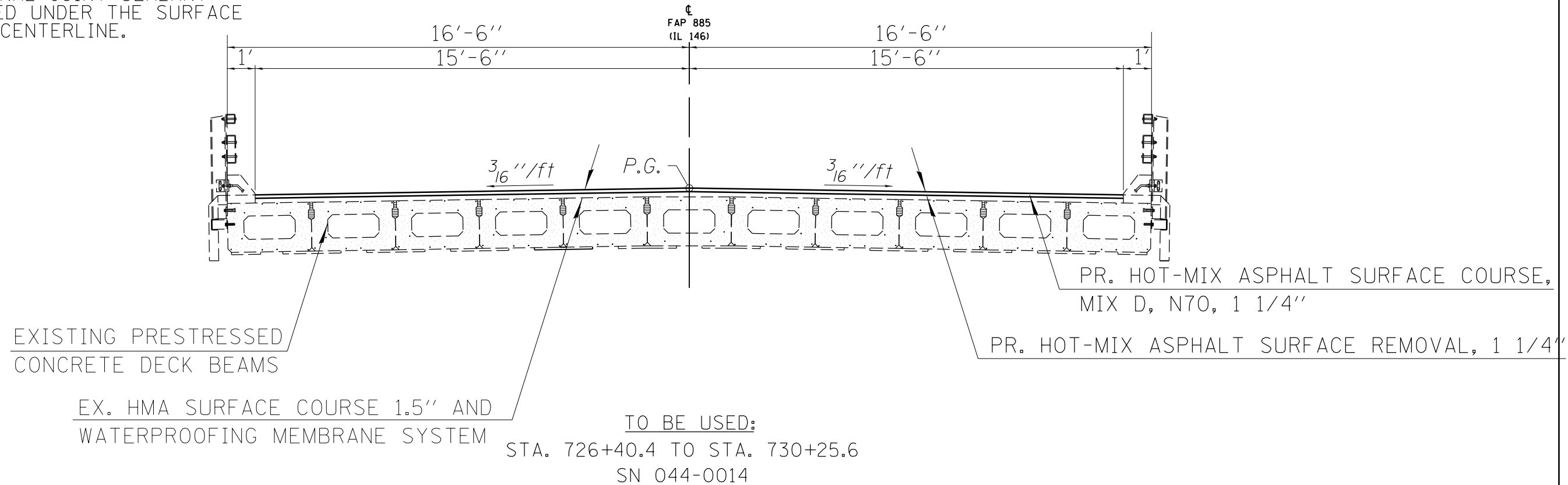
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE. 885	SECTION 107RS-8	COUNTY JOHNSON	TOTAL SHEETS 23	SHEET NO. 10
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.



NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

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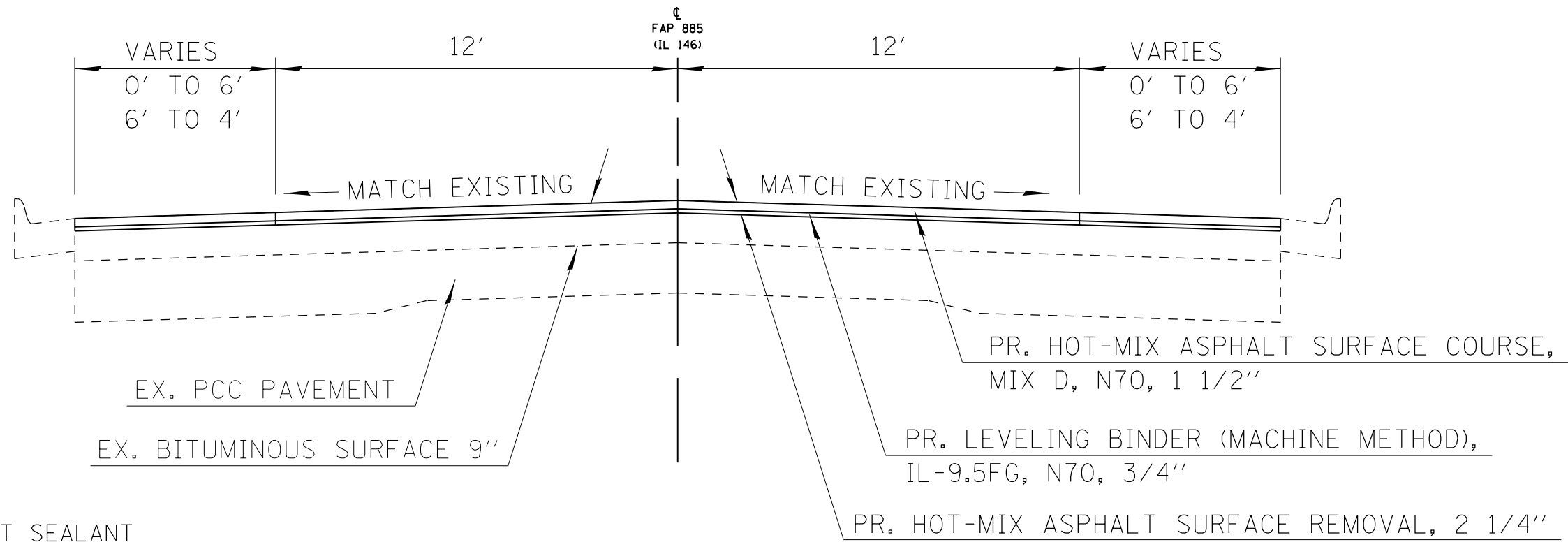
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

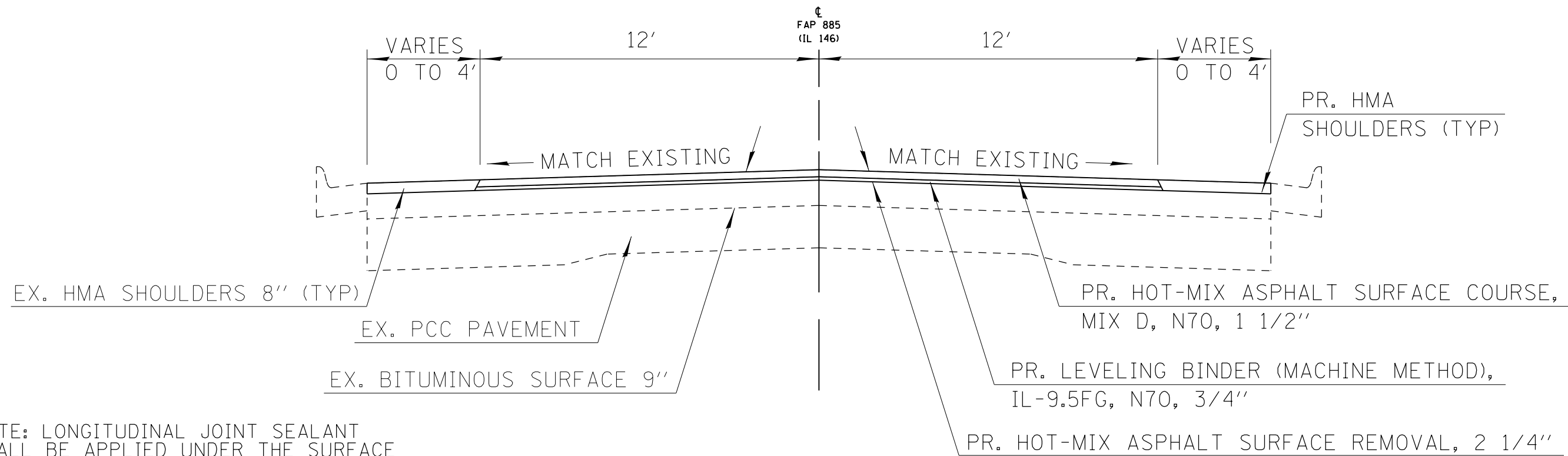
SCALE: SHEET OF SHEETS STA. TO STA.

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885	107RS-8	JOHNSON	23	11
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				



NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

TO BE USED:
 STA 785+07.8 TO STA 788+54



NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED UNDER THE SURFACE COURSE AT THE CENTERLINE.

TO BE USED:
 STA 788+54 TO STA 793+94

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	12
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

PAVEMENT AND SHOULDER SCHEDULE

LOCATION			HMA SURFACE REMOVAL 1 1/4"	HMA SURFACE REMOVAL 1 1/2"	HMA SURFACE REMOVAL 2 1/4"	HMA SURF CSE, MIX D, N70 1 1/4"	HMA SURF CSE MIX D, N70 1 1/2"	HMA LEVELING BINDER (MM) IL-9.5 FG, N70 3/4"	BIT MAT (TACK COAT)	HMA SHLDRS	AGG. WEDGE SHLDR, TY B	LONGITUDINAL JOINT SEALANT	TEMPORARY RAMP
			SQ YD	SQ YD	SQ YD	TON	TON	TON	POUND	TON	TON	FOOT	SQ YD
IL 146													
566+15.	TO	566+30.		40.0			4.2		18		0.9	15	14
566+30.	TO	566+60.7		81.9			6.9	3.5	55		1.7	31	
566+60.7 BK	=	566+74 AH											
566+74.	TO	625+30.		15616.0			1318.6	661.0	10541		333.5	5856	
625+30.	TO	625+51.5		71.7			4.8	2.4	45	1.9	1.2	22	
625+51.5	TO	626+32.7		297.8			18.3	9.2	183	10.4	4.6	81	
626+32.7	TO	627+24.7		368.0			20.7	10.4	221	15.7	5.2	92	
627+24.7	TO	627+39.7		60.0			4.2		27	2.1	0.9	15	20
SN 044-0059 - OMISSION													
629+10.3	TO	629+25.3		60.0			4.2		27	2.1	0.9	15	20
629+25.3	TO	630+17.2		367.6			20.7	10.4	221	15.7	5.2	92	
630+17.2	TO	630+98.4		297.8			18.3	9.2	183	10.4	4.6	81	
630+98.4	TO	631+20.		72.0			4.9	2.4	45	1.9	1.2	22	
631+20.	TO	666+38.		9381.4			792.1	397.1	6332		200.3	3518	
666+38.	TO	666+53.			40.0		4.2		18		0.9	15	
666+53.	TO	666+93.		106.7			9.0		48		2.3	40	
666+93.	TO	667+08.			40.0		4.2		18		0.9	15	
667+08.	TO	724+60.		15338.7			1295.2	649.3	10354		327.5	5752	
724+60.	TO	724+75.			41.7		3.5	1.8	28			15	
724+75.	TO	726+00.			347.3		29.2	14.6	234			125	
726+00.0 BK	=	726+11.9 AH											
726+11.9	TO	726+14.4			7.0		0.6	0.3	5			3	
726+14.4	TO	726+34.4			55.6		5.4		25			20	
726+34.4	TO	726+40.4	16.7			1.2			8			6	
726+40.4	TO	726+71.3	106.5			7.5			48			31	
726+71.3	TO	726+73.5	GAP EXPANSION JT.										29
726+73.5	TO	727+72.5	341.0			23.9			153			99	
727+72.5	TO	727+74.7	GAP EXPANSION JT.										29
727+74.7	TO	729+22.8	510.2			35.7			230			148	
729+22.8	TO	729+25.2	GAP EXPANSION JT.										29
729+25.2	TO	730+25.6	345.9			24.2			156			100	
730+25.6	TO	730+31.6	16.7			1.2			8			6	
730+31.6	TO	730+51.6			55.6		5.4		25			20	
730+51.6	TO	731+75.			342.8		28.8	14.4	231			123	
731+75.	TO	731+90.			41.7		3.5	1.8	28			15	
731+90.	TO	758+45.8		7082.2			598.0	299.8	4780		151.2	2656	
758+45.8	TO	758+60.8		40.0			4.2		18		0.9	15	14
SN 044-7096 - OMISSION													
759+35.8	TO	759+50.8		40.0			4.2		18		0.9	15	14
759+50.8	TO	782+97.5		6257.9			528.4	264.9	4224		133.6	2347	
782+97.5	TO	785+07.8		747.8			47.4	23.7	463	24.1	12.0	210	
785+07.8	TO	785+22.8			53.4		3.4	1.7	33	1.7		15	
785+22.8	TO	788+54.			1336.6		112.3	56.1	902			331	135
788+54.	TO	793+94.			1864.5		120.9	60.5	1163	53.6		540	162
TOTAL			1337	56328	4226	94	5026	2494	41115	140	1190	22501	466

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	DRAWN -	REVISED -
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PLOT DATE = 6/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT AND SHOULDER SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	13
CONTRACT NO. 78489				
ILLINOIS		FED. AID PROJECT		

ENTRANCE SCHEDULE

LOCATION: FAP 885 (IL 146)	ENTRANCE TYPE	EXIST. SURFACE	EOP WIDTH	WIDTH AT 4' OFFSET	ROADWAY AREA	INCIDENTAL HMA SURFACING	BIT. MAT. (TACK COAT)	AGG. SHOULDER TY B
		FOR INFORMATIONAL PURPOSE ONLY						
		TYPE	(FT)	(FT)	(SQ YD)	(TON)	(POUND)	(TON)
ENTRANCES								
566+74	FEL	AGG.	22	15	8.2			0.7
567+27	FEL	EARTH	30	28	12.9			1.1
573+87	PER	AGG.	28	16	9.8	1.3	22.0	0.4
574+92	CER	AGG.	23	24	10.4	1.4	23.5	0.5
575+19	FEL	AGG.	28	16	9.8	0.8	22.0	0.8
575+70	CER	AGG.	35	18	11.8	1.5	26.5	0.5
577+30	PER	AGG.	35	25	13.3	1.7	30.0	0.6
584+42	PER	AGG.	28	16	9.8	1.3	22.0	0.4
589+97	PER	AGG.	28	16	9.8	1.3	22.0	0.4
591+56	PEL	AGG.	22	15	8.2	1.1	18.5	0.4
597+89	CER	HMA	50	40	20.0	1.6	9.0	
602+52	FER	AGG.	28	16	9.8			0.8
603+18	PER	AGG.	25	16	9.1	1.2	20.5	0.4
605+29	PEL	AGG.	27	16	9.6	1.3	21.5	0.4
609+50	PER	HMA	28	18	10.2	0.8	4.6	
617+95	PEL	AGG.	31	16	10.4	1.4	23.5	0.5
633+00	PER	AGG.	23	16	8.7	1.1	19.5	0.4
634+35	PEL	HMA	10	16	5.8	0.5	2.6	
636+40	PEL	AGG.	19	16	7.8	1.0	17.5	0.4
639+60	PER	AGG.	23	16	8.7	1.1	19.5	0.4
644+35	PER	AGG.	20	16	8.0	1.1	18.0	0.4
644+38	PEL	AGG.	16	16	7.1	0.9	16.0	0.3
645+41	PEL	AGG.	27	24	11.3	1.5	25.5	0.5
654+81	PEL	AGG.	34	16	11.1	1.4	25.0	0.5
662+57	PER	AGG.	31	16	10.4	1.4	23.5	0.5
678+15	FEL	EARTH	35	30	14.4			1.2
690+00	FER	AGG.	17	16	7.3			0.6
690+30	PEL	AGG.	40	30	15.6	2.0	35.0	0.7
702+20	PEL	AGG.	30	16	10.2	1.3	23.0	0.5
702+70	PEL	AGG.	30	25	12.2	1.6	27.5	0.5
703+25	FER	EARTH	20	18	8.4			0.7
703+25	PEL	AGG.	16	10	5.8	0.8	13.0	0.3
710+88	FEL	EARTH	20	18	8.4			0.7
719+05	PEL	AGG.	30	16	10.2	1.3	23.0	0.5
720+10	PEL	AGG.	16	10	5.8	0.8	13.0	0.3
721+91	FEL	EARTH	20	18	8.4			0.7
721+92	FER	EARTH	20	18	8.4			0.7
766+26	FEL	EARTH	20	18	8.4			0.7
772+75	CEL	AGG.	55	50	23.3	3.0	52.5	1.0
779+00	CEL	AGG.	45	35	17.8	2.3	40.0	0.7
780+50	CEL	AGG.	45	35	17.8	2.3	40.0	0.7
785+20	PEL	AGG.	55	40	21.1	2.7	47.5	0.9
TOTALS						45	748	23

SIDE ROAD SCHEDULE

LOCATION: FAP 885 (IL 146)		EXIST. SURFACE	EOP WIDTH	WIDTH AT 15' OFFSET	ROADWAY AREA	INCIDENTAL HMA SURFACING	BIT. MAT. (PRIME COAT)	TEMPORARY RAMP	
		FOR INFORMATIONAL PURPOSE ONLY							
			(FT)	(FT)	(SQ YD)	(TON)	(POUND)	(SQ YD)	
SIDE ROADS									
RT	Weaver Lane	566+74	AGG.	67	30	80.8	13.6	36.4	37.3
RT	Jack Mathis Road	609+93	AGG.	57	30	72.5	12.2	32.7	31.7
LT	Pleasant Grove Road	609+93	AGG.	92	35	105.8	17.8	47.7	51.2
RT	Mount Pisgah Road	681+16	OIL & CHIP	64	40	86.7	16.1	39.0	35.6
LT	TR 0121	692+25	AGG.	50	35	70.8	11.9	31.9	27.8
RT	Boles Lane	766+11	AGG.	89	32	100.8	17.0	45.4	49.5
TOTALS							89	234	234

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ENTRANCE AND SIDE ROAD SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	14
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

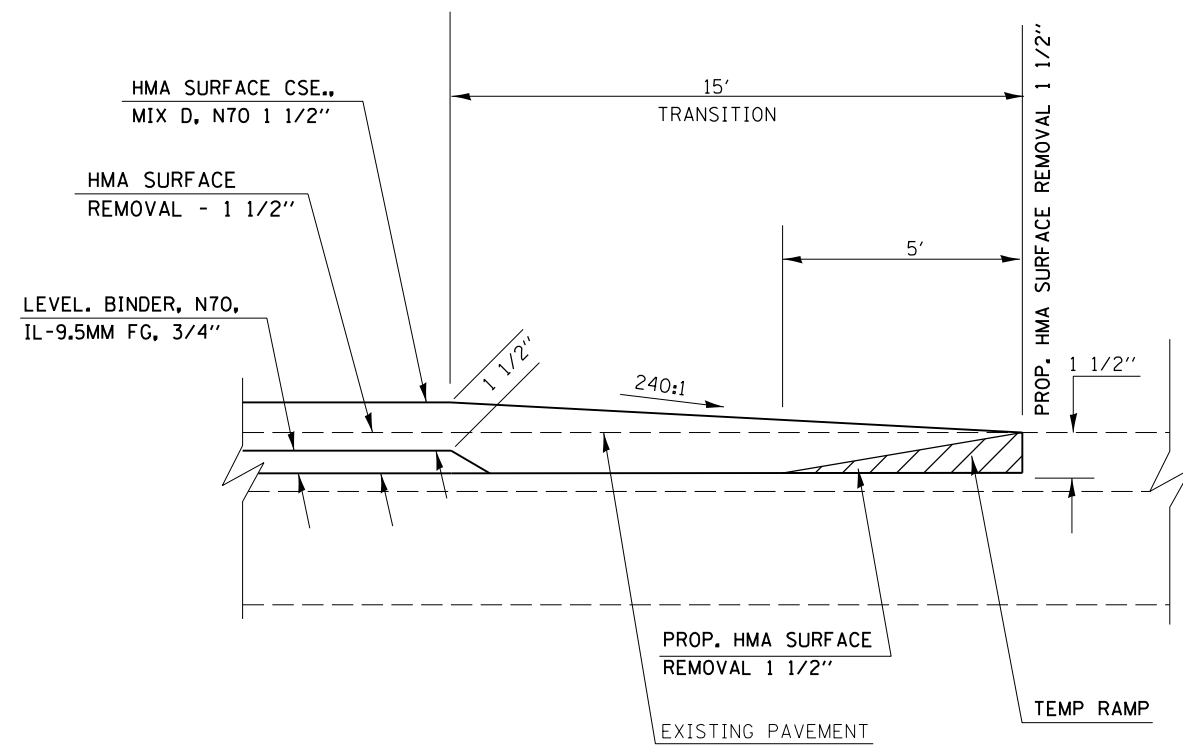
LOCATION STATION TO STATION			LENGTH	PAINT PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING REMOVAL	SHORT TERM PAVEMENT MARKING REMOVAL (*)	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	COMMENTS		
				LINE 4"			LINE 24"	LINE 4"			LINE 24"								
				WHITE (E.O.P)	YELLOW (C.L.)		WHITE	WHITE	YELLOW (C.L.)		WHITE								
				SOLID	SKIP- DASH	SOLID LT/RT	SOLID	SOLID	SKIP- DASH	SOLID LT/RT	SOLID								
IL 146			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT	EACH	EACH	
566+15	TO	566+60.7	46	91			91		91			91		61	14	5	1	1	NO PASSING
566+60.7	BK =	566+74.0	AH	STA. EQUATION															
566+74	TO	704+50.0	13776	27552			27552		27552			27552		18,368	4,133	1378	172	172	NO PASSING
704+50	TO	712+20	770	1540	193	770	LT		1540	193	770	LT		834	231	77	10	10	NO PASSING WEST BOUND
712+20	TO	714+20	200	400			400		400			400		267	60	20	3	3	NO PASSING
714+20	TO	720+38	618	1236	155	618	RT		1236	155	618	RT		670	185	62	8	8	NO PASSING EAST BOUND
720+38	TO	723+02	264	528	66				528	66				198	79	26	3	3	
723+02	TO	726+00	298	596	75	298	LT		596	75	298	LT		323	89	30	4	4	NO PASSING WEST BOUND
726+00	BK =	726+11.9	AH	STA. EQUATION															
726+11.9	TO	731+90	578	1156	145	578	LT		1156	145	578	LT		626	173	58	7	7	NO PASSING WEST BOUND
731+90	TO	785+35	5345	10690	1336				10690	1336				4,009	1,604	535	67	67	
785+35	TO	786+50	115	230			230		230			230		153	35	12	1	1	NO PASSING
786+50								19					19	13					STOP BAR
787+15								19					19	13					STOP BAR
787+15	TO	789+85	270				540					540		180	81	27	3	3	NO PASSING
789+85	TO	793+94	409	818			818		818			818		545	123	41	5	5	NO PASSING
SUBTOTALS				44838	1968	2264	29631	38	44838	1968	2264	29631	38	26259	6807	2269	284	284	
TOTALS				78701				38	78701				38	26,259	6,807	2,269	284	284	

* ONE APPLICATION EACH FOR HMA SURFACE REMOVAL, BINDER, AND SURFACE COURSE

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PLOT DATE = 6/3/2019	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

DETAIL FOR HMA SURFACE REMOVAL - BUTT JOINT



TO BE USED:
 STA. 566+15 TO STA. 566+30
 STA. 627+24.7 TO STA. 627+39.7
 STA. 629+10.3 TO STA. 629+25.3
 STA. 758+45.8 TO STA. 758+60.8
 STA. 759+35.8 TO STA. 759+50.8

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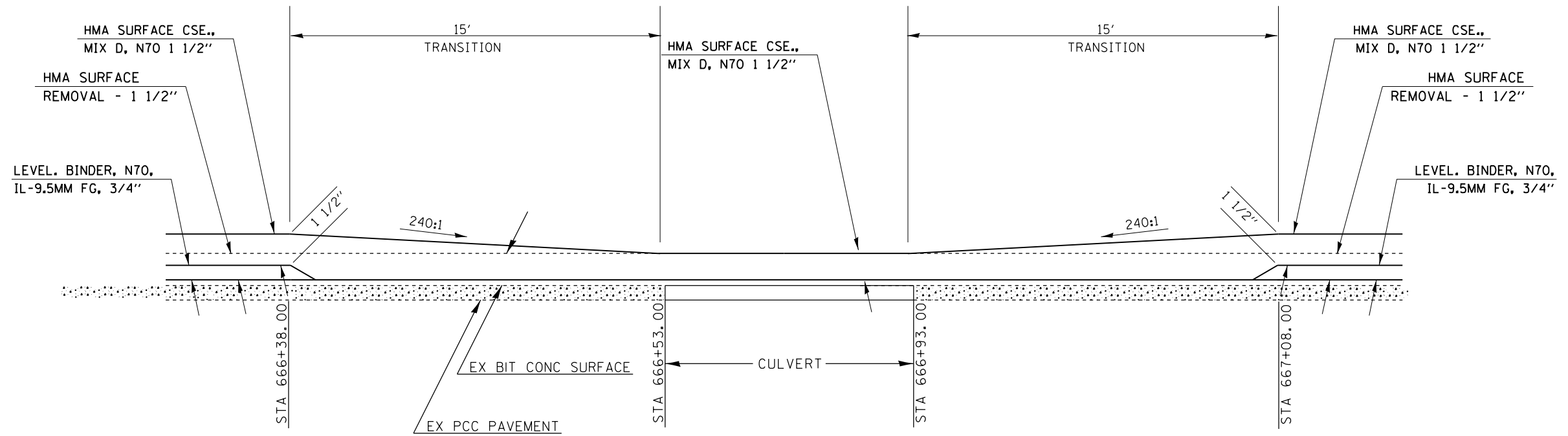
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	16
CONTRACT NO. 78489			ILLINOIS FED. AID PROJECT	

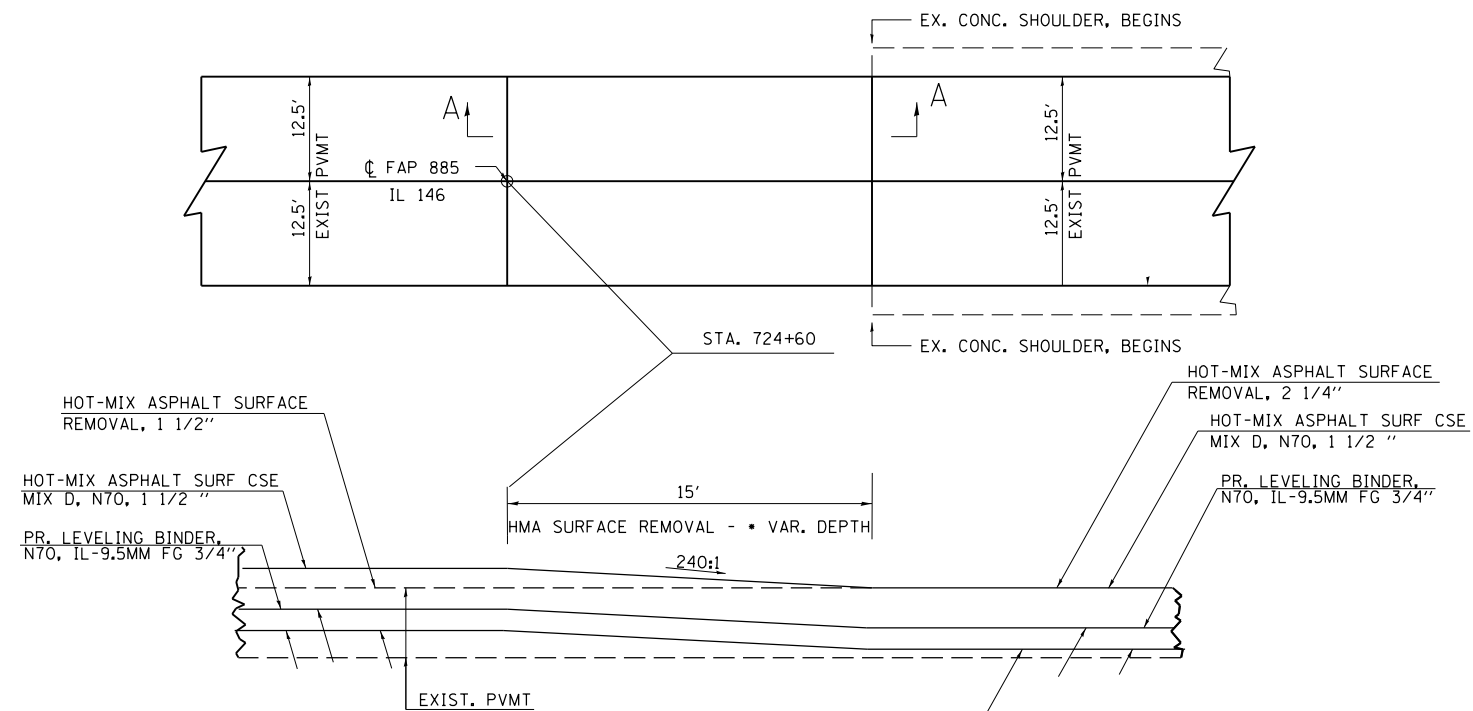


PAVEMENT TRANSITION OVER CULVERT
SN 044-2008

* VARIABLE DEPTH HMA SURFACE REMOVAL WILL BE PAID FOR AS HMA SURFACE REMOVAL 2 1/4"

PAVEMENT TRANSITION DETAIL

STA. 724+60 TO STA. 724+75



* VARIABLE DEPTH HMA SURFACE REMOVAL WILL BE PAID FOR AS HMA SURFACE REMOVAL 2 1/4"

SECTION A-A

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

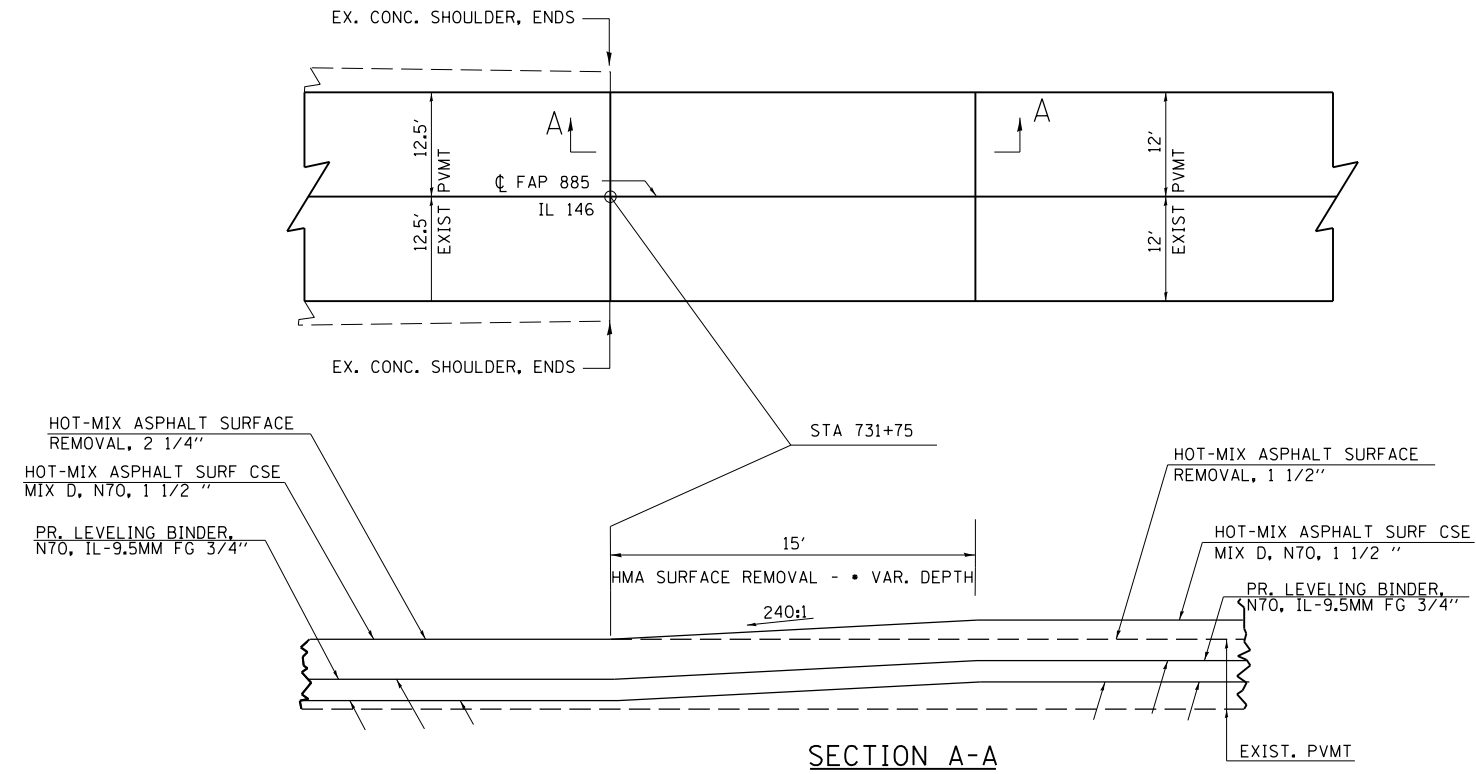
DETAIL: PAVEMENT TRANSITION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	17
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

PAVEMENT TRANSITION DETAIL

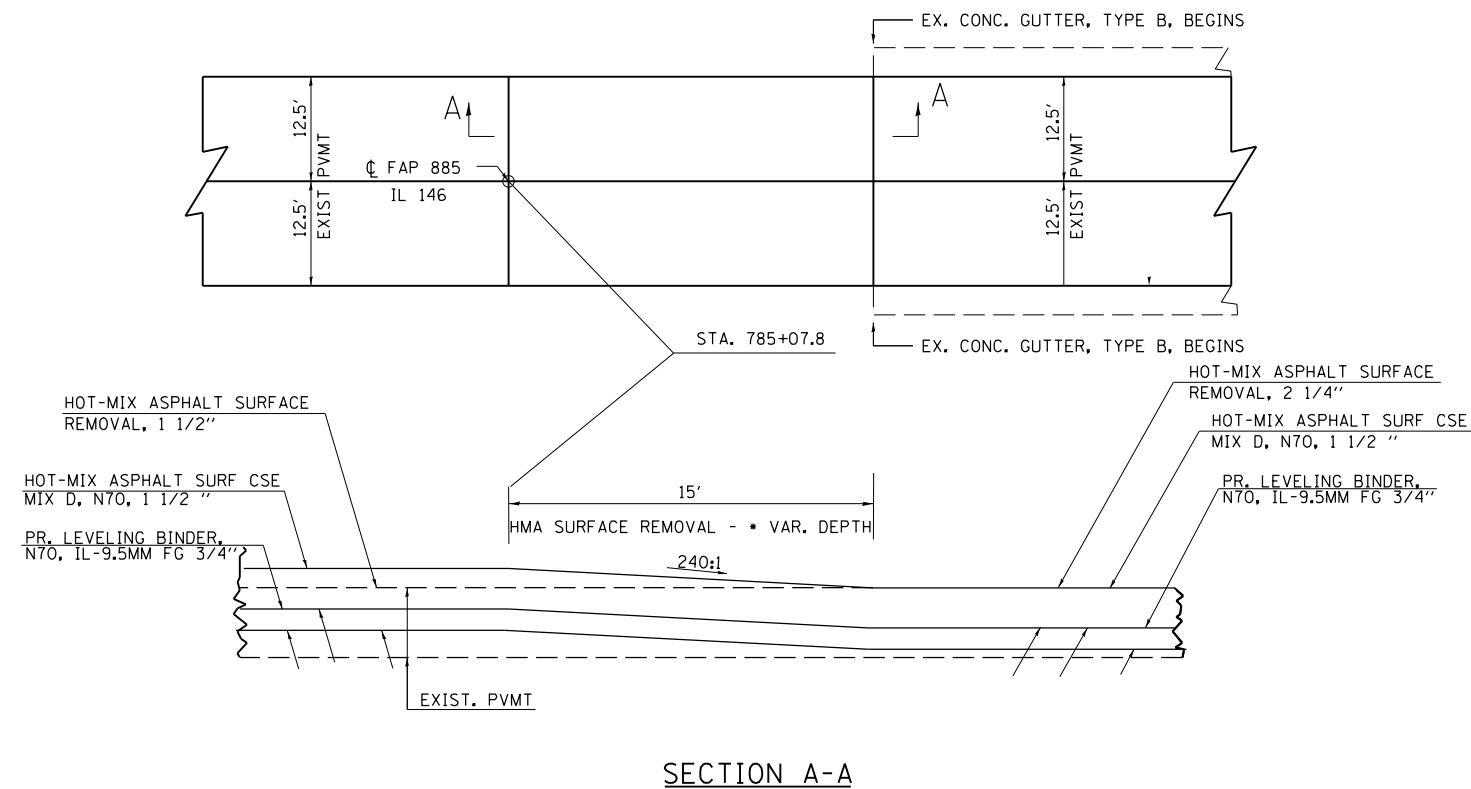
STA. 731+75 TO STA. 731+90



* VARIABLE DEPTH HMA SURFACE REMOVAL WILL BE PAID FOR AS HMA SURFACE REMOVAL 2 1/4"

PAVEMENT TRANSITION DETAIL

STA. 785+07.8 TO STA. 785+22.8



* VARIABLE DEPTH HMA SURFACE REMOVAL WILL BE PAID FOR AS HMA SURFACE REMOVAL 2 1/4"

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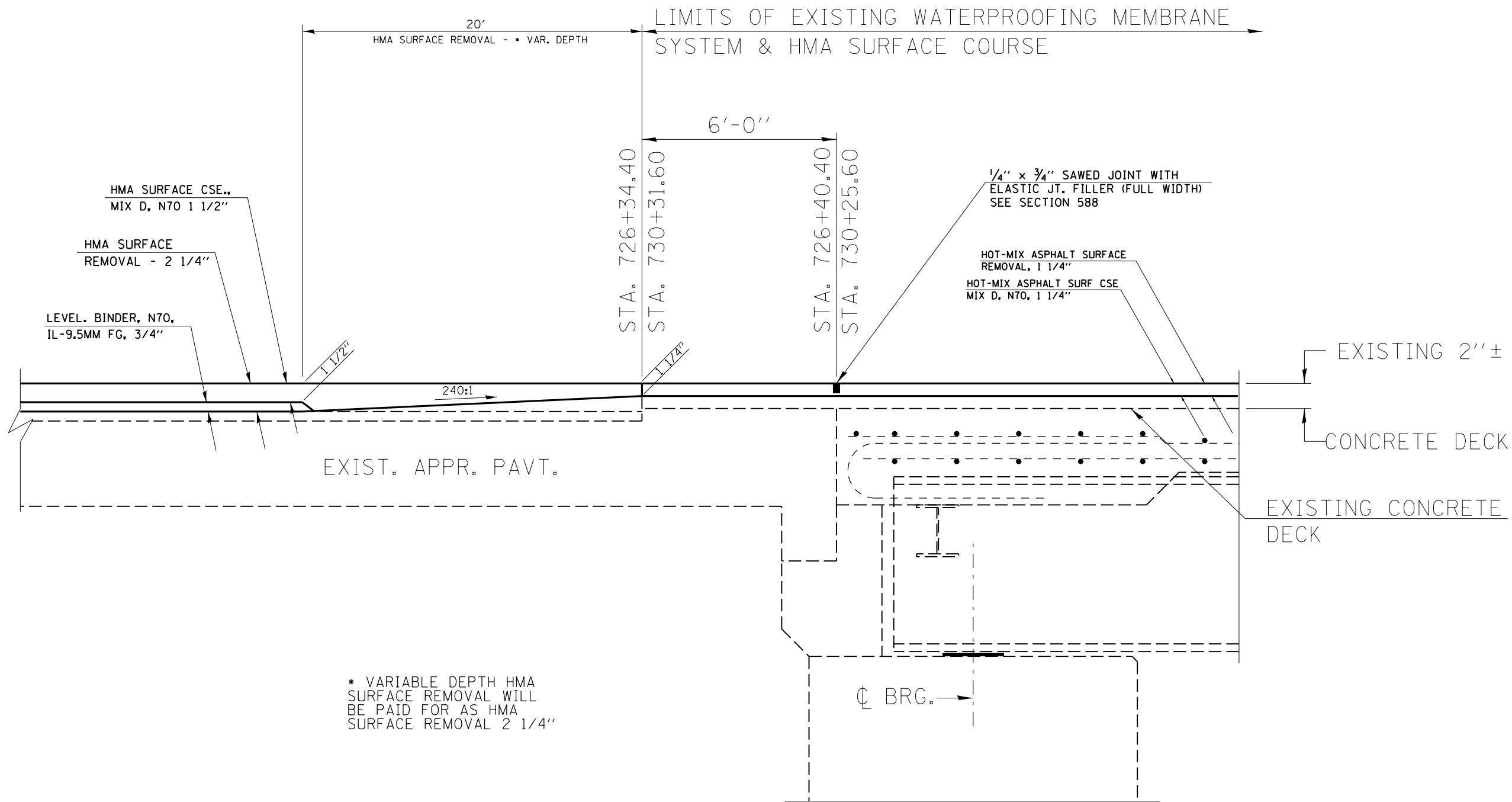
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PLOT DATE = 6/13/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL: PAVEMENT TRANSITION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	18
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				



* VARIABLE DEPTH HMA SURFACE REMOVAL WILL BE PAID FOR AS HMA SURFACE REMOVAL 2 1/4"

SECTION AT BENTS 1 & 7

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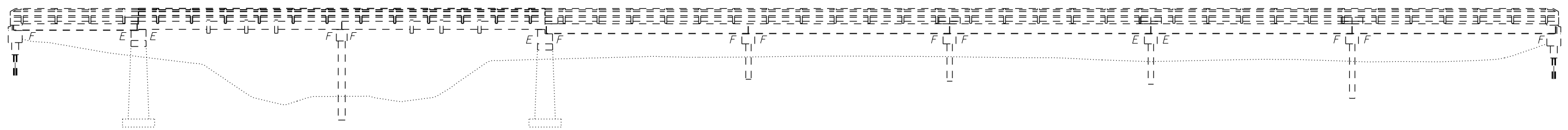
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

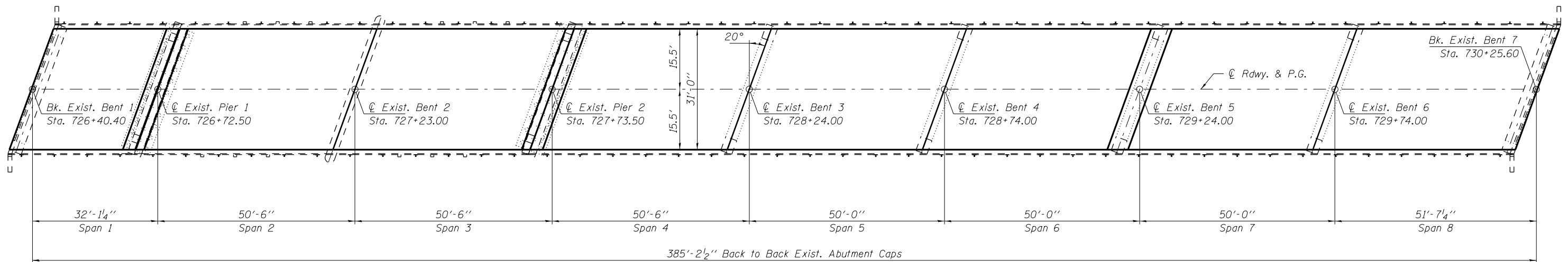
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SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	19
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

FOR INFORMATIONAL
PURPOSE ONLY:



ELEVATION



PLAN

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 DATE: 6/3/2019

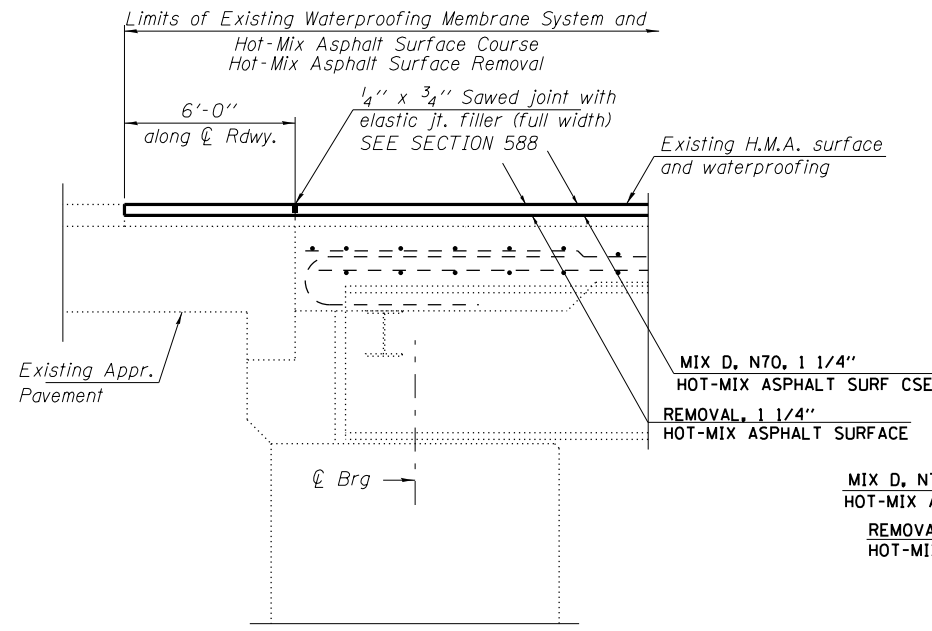
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PLOT DATE = 6/3/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

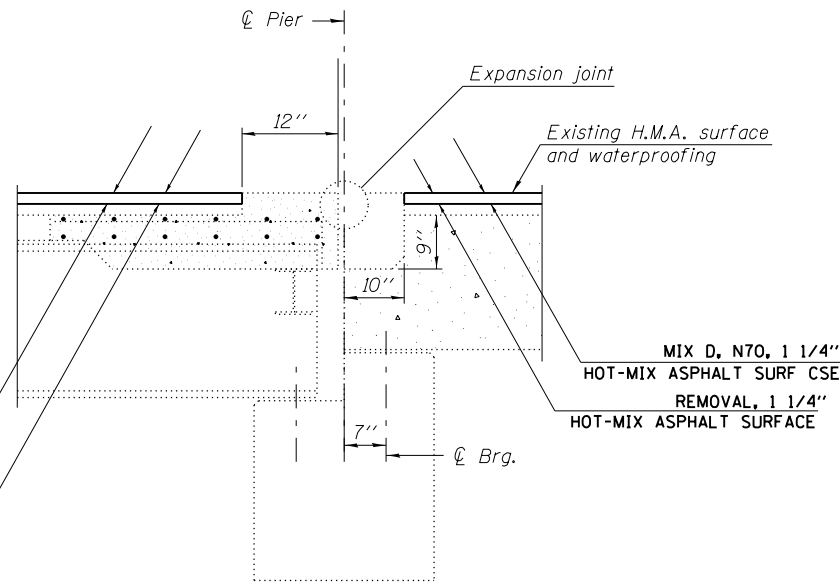
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PLAN AND ELEVATION**

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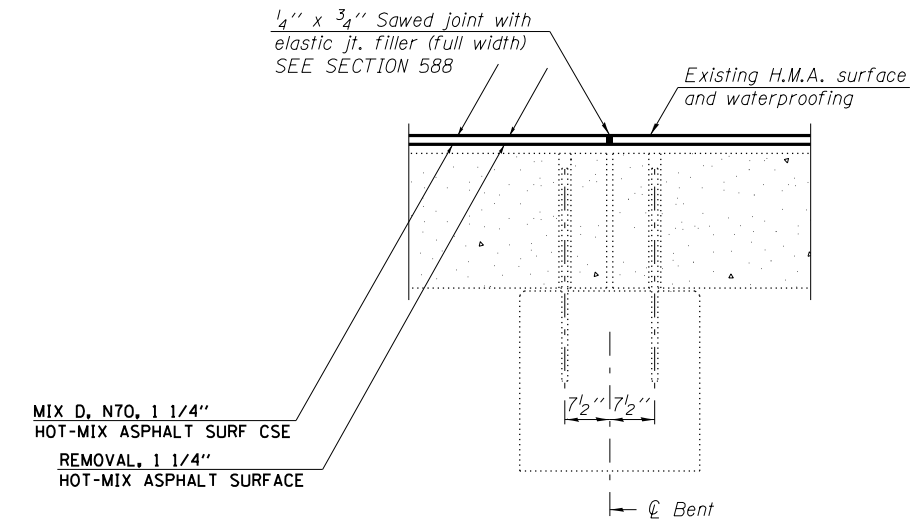
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	20
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				



SECTION AT BENTS 1 & 7



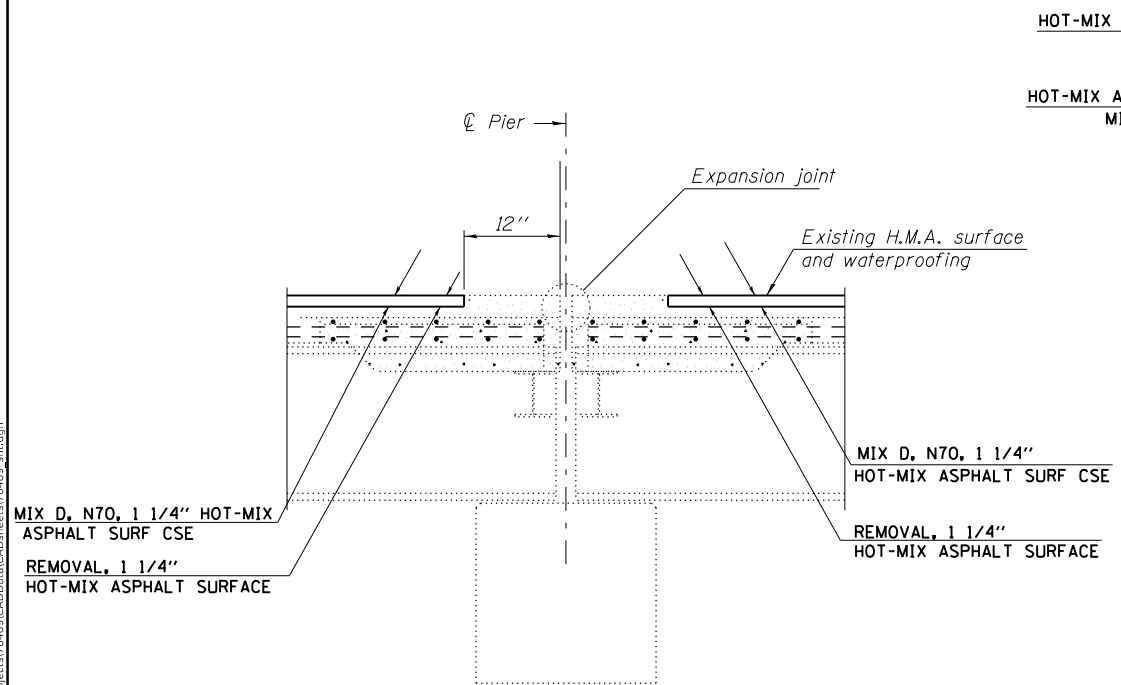
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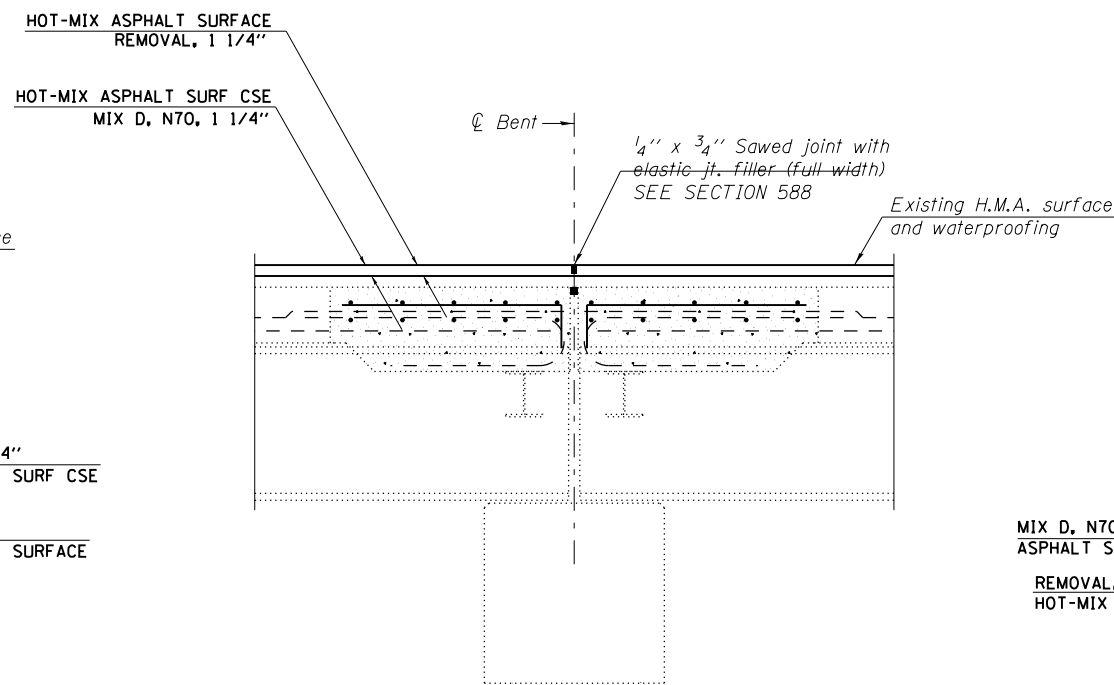
SECTION THRU FIXED BENT 2

Notes :
All horizontal dimensions are at right angles to beam ends.

Notes :
All horizontal dimensions are at right angles to beam ends.

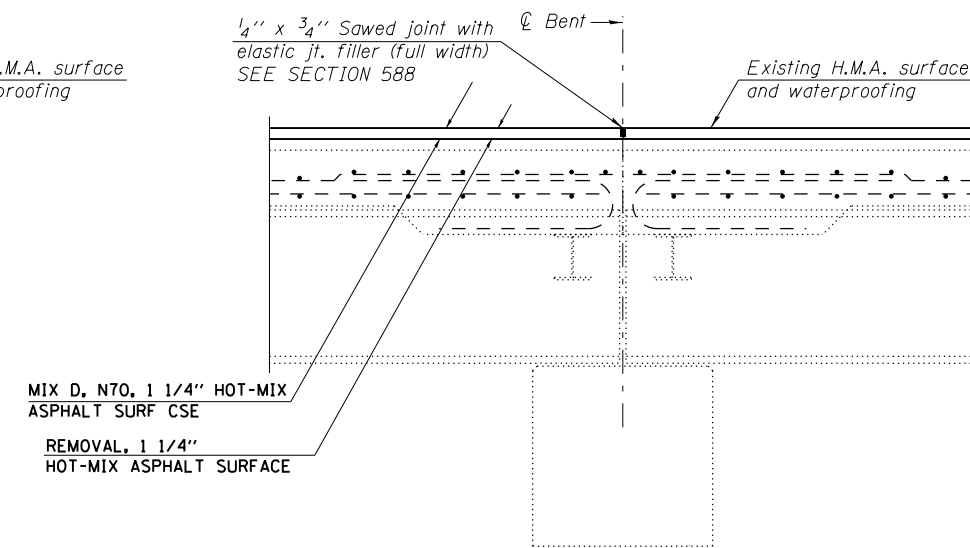


SECTION THRU EXPANSION BENT 5



SECTION AT BENTS 4 & 6

Notes :
All horizontal dimensions are at right angles to beam ends.



SECTION AT BENT 3

Notes :
All horizontal dimensions are at right angles to beam ends.

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 PLOT DATE: 6/3/2019
 PLOT SCALE: = 100.0000' / in.
 USER NAME: = brandonja
 DESIGNED: -
 DRAWN: -
 CHECKED: -
 DATE: -
 REVISED: -
 REVISED: -
 REVISED: -
 REVISED: -

USER NAME = brandonja	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 6/3/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

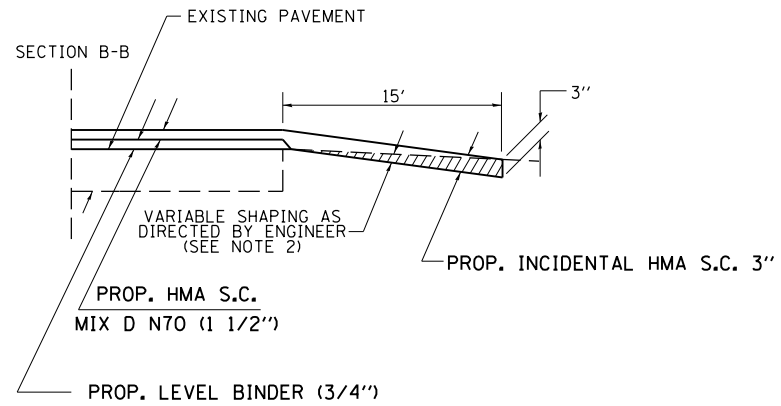
**DETAIL: GENERAL
SN 044-0014**

SCALE: SHEET OF SHEETS STA. TO STA.

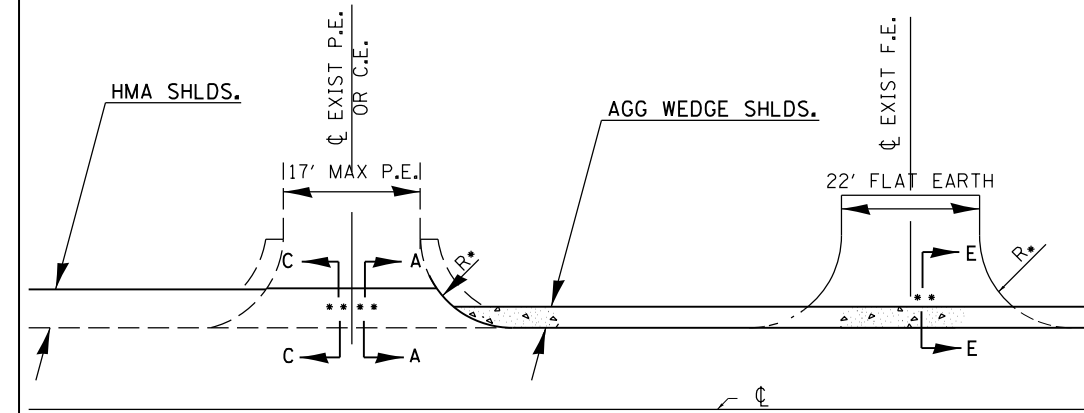
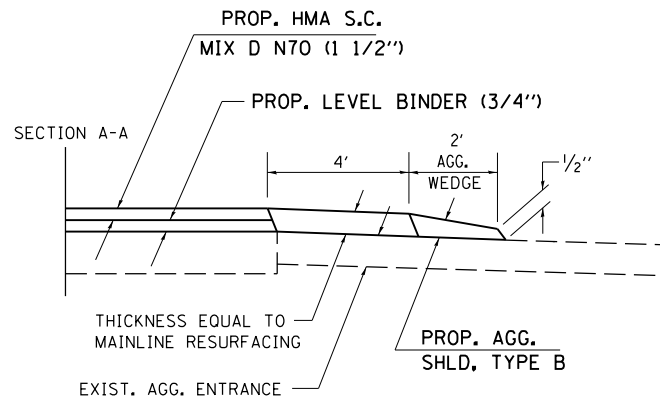
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	21
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

SIDEROAD AND ENTRANCE (3P PROJECT)

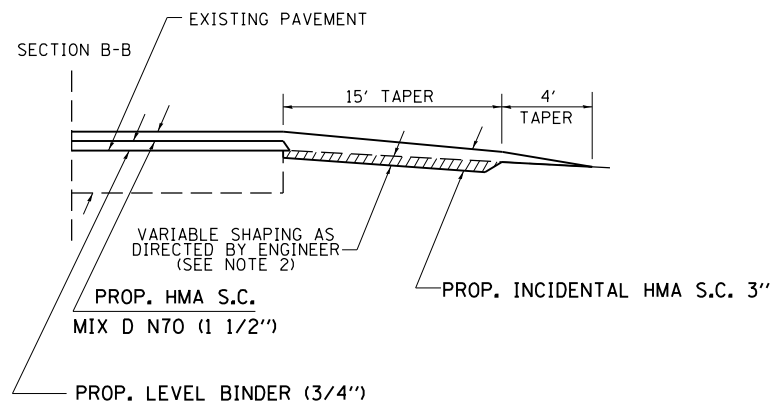
EX. AGGREGATE SIDEROAD



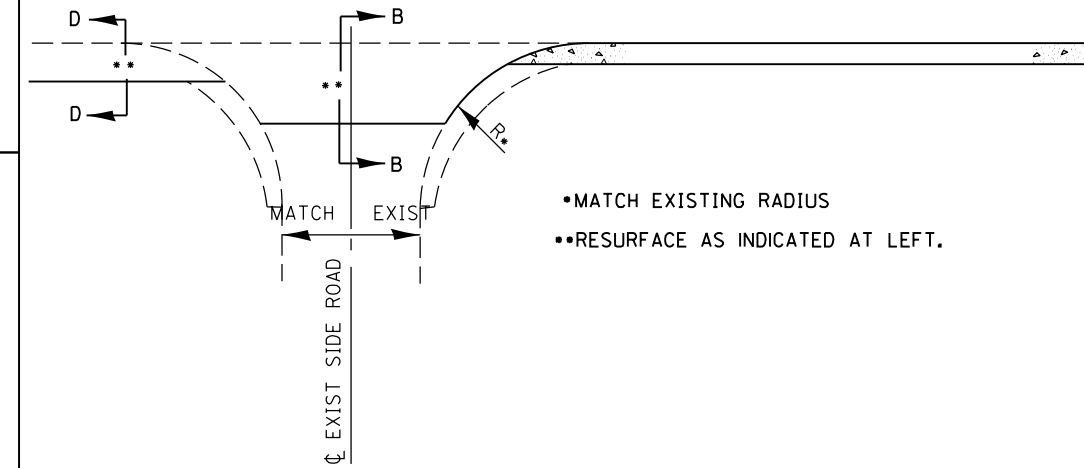
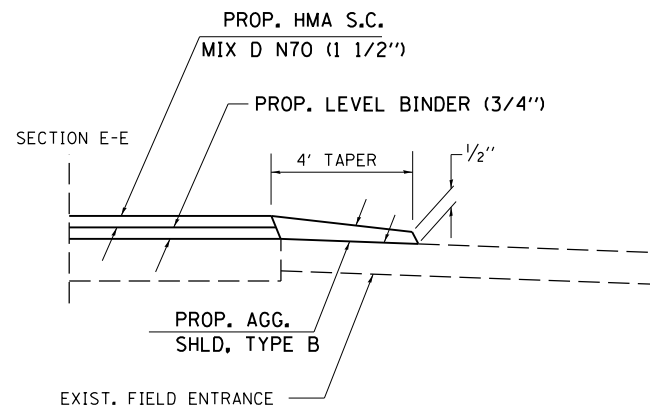
AGG. PRIVATE OR COMMERCIAL ENTRANCE



EX. OIL & CHIP SIDEROAD



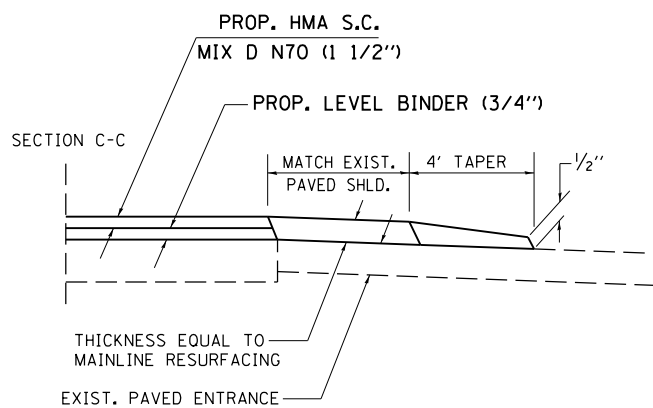
AGG. OR EARTH FIELD ENTRANCE



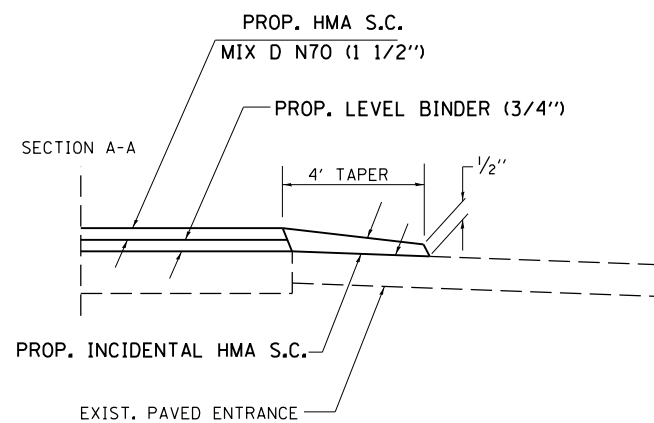
ENTRANCE SCHEDULE

TYPE	NUMBER OF ENTRANCES
P.E.	25
C.E.	6

HMA, PCC, OR OIL & CHIP PRIVATE OR COMMERCIAL ENTRANCE (HMA SHLD.)



HMA, PCC, OR OIL & CHIP PRIVATE OR COMMERCIAL ENTRANCE



NOTES

- IF EXISTING SUBBASE IS INADEQUATE, AS DETERMINED BY THE ENGINEER, THE SIDE ROADS SHALL BE CORED OUT AND AGGREGATE SUBBASE, TYPE B SHALL BE PLACED FOR BASE. THE COST OF CORING OUT THE SIDE ROAD AND ANY AGGREGATE BASE COURSE SHALL BE PAID FOR AS SPECIFIED IN ART. 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. IF EXISTING SUBBASE IS DETERMINED TO BE ADEQUATE, THE PREPARATION OF THE BASE SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 406.09.
- VARIABLE SHAPING IS INCLUDED IN THE COST OF INCIDENTAL HOT-MIX ASPHALT SURFACE.

MODEL: Default
FILE: \\blsdc02\pub\harcourt\p\3\11\1010\Documents\110101\Office\Drawings\9\Projects\78489\CADD\Drawings\78489_sht.dwg

USER NAME = brandonja	DESIGNED -	REVISED -
PLOT SCALE = 200.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 6/3/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

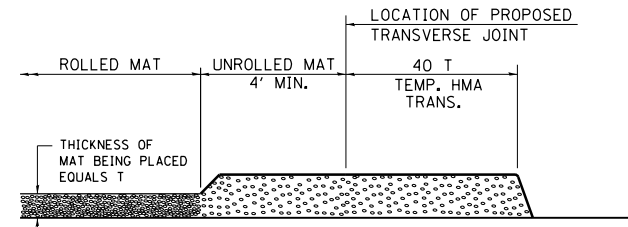
**SIDEROAD AND ENTRANCE
DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				22
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

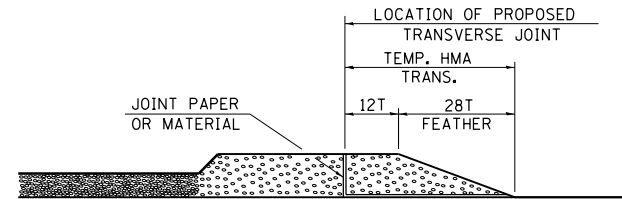
TEMPORARY HOT-MIX ASPHALT TRANSITIONS

ILLINOIS STANDARD



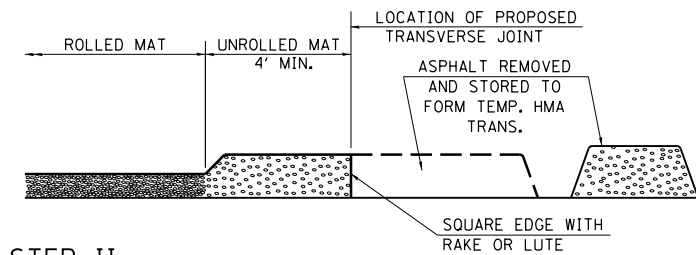
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



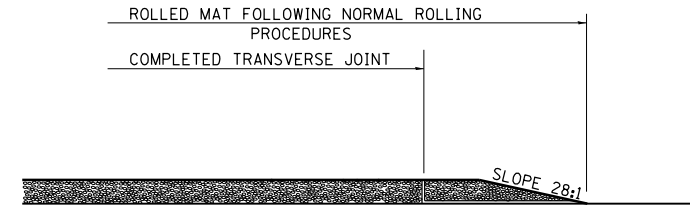
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



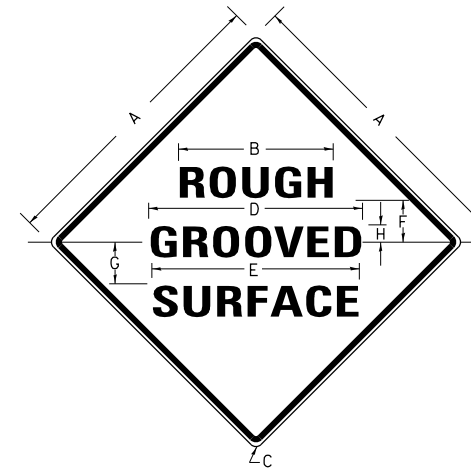
STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

REVISIONS

REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-8-08
REVISED	05-16-13

STD. 9-26



NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

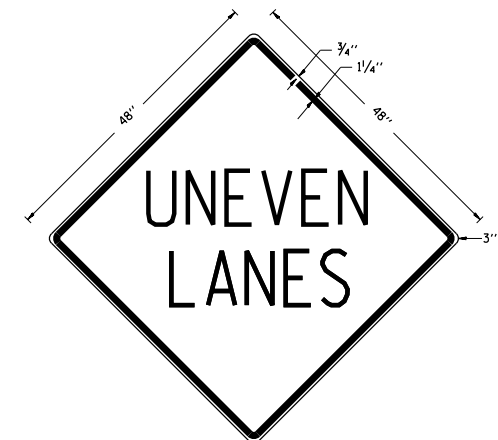
REVISIONS

REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

STD. 9-39

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08
REVIEWED	5-17-13

STD. 9-41

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY HMA TRANSITIONS, ROUGH GROOVED SURFACE
AND UNEVEN LANES DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
885	107RS-8	JOHNSON	23	23
CONTRACT NO. 78489				
ILLINOIS FED. AID PROJECT				

USER NAME = brandonja	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/3/2019	DATE -	REVISED -