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F.A.L.	SECTION	EQUNIT	SHEETS	SHEET	
80	02 (37-1HB-2180R	HENRY	31	L	
<u> </u>	11.614015	CONTRACT	NO. 6	4M78	



STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** DIVISION OF HIGHWAYS SUBMIT N S OF HIGHWAYS, REGION EPUTY DIRECTOR PRINTED BY THE AUTHORITY **OF THE STATE OF ILLINOIS**

							BAN
		SUMMAF	RY OF QUANTITIES		90% FED		
-						RPIDCE	POADWAY
CODE NAME			ITEM	LINIT	TOTAL	0047	0005
					QUANTITY	037-0079	
40600275	BITUMINOUS MA	TERIALS (PRIME COAT)		POUND	4,324.0		4,324.0
				-			AND DO
40600982	HOT-MIX ASPHAI	T SURFACE REMOVAL - BUTT JOIN	Т	SQ YD	578.0		578.0
40600990	TEMPORARY RA	MP		SQ YD	114.0	-	114.0
40603310	HOT-MIX ASPHA	T SURFACE COURSE, MIX "C", N50		TON	32.8		32.8
40603340	HOT-MIX ASPHA	T SURFACE COURSE, MIX "D", N70		TON	190,9		190,9
42001300	PROTECTIVE CO	AT		SQ YD	861,1	861,1	
4000152	HOT-MIX ASPHAI	T SURFACE REMOVAL, 3/4"		SQ YD	937.3		937,3
4000182	HOT-MIX ASPHA	T SURFACE REMOVAL, 8"		SQYD	348.9		348.9
						-	
\$8203029	HOT-MIX ASPHA	LT SHOULDERS, 8"		SQYD	348.9		348.9
50102400	CONCRETE REM	OVAL		CUYD	11.1	11.1	
50157300	PROTECTIVE SH	IELD		SQ YD	260	260	-
		500ml on 155		011175			
50300255	CONCRETE SUP	ERSTRUCTURE		COYD	12.1	12.1	
50500405	FURNISHING & E	RECTING STRUCTURAL STEEL		POUND	2730	2730	l.
50800205	REINFORCEMEN	IT BARS, EPOXY COATED		POUND	1320	1320	
50800515	BAR SPLICERS			EACH	24	24	
					-		
52000110	PREFORMED JO	INT STRIP SEAL		FOOT	77	77	
52100020	ELASTOMERIC E	EARING ASSEMBLY, TYPE II		EACH	12	12	
53400530		47.014		FACIL		24	
32100320	ANGHOR BOLIS	, F LJIA,		EACH	24	24	
60260100	INLET TO BE AD	JUSTED		EACH	4	-	4
67100100	MOBILIZATION			LSUM	1		1
70100405	TRAFFIC CONTR	OL AND PROTECTION, STANDARD 7	01321	EACH	1		1
ESIGNED - MJL HECKED - JCE		REVISED REVISED	STATE OF ILLINOIS			SUMMARY OF	QUANTITIES
RAWN - MJL HECKED - JCE		REVISED REVISED	DEPARTMENT OF TRANSPORTATION			SHEET NO. 1 O	F 2 SHEETS

	R NAME = Michael	DESIGNED - MJL	REVISED		
ENTERPRISES		CHECKED - JCE	REVISED	STATE OF ILLINOIS	SUMMARY OF
19081 Old LaGrange Rd, Ste. 106 PLOT	IT SCALE =	DRAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	
312.256.9090 PLOT	DT DATE = 7/26/2018	CHECKED - JCE	REVISED		SHEET NO. 1 OF

						UR	RBAN
_	SU	MMARY	OF QUANTITIES		90% FED 10% STATE		
						BRIDGE	ROADWAY
CODE NAME			ITEM	UNIT	TOTAL QUANTITY	0059	0005
						037-0079	
70100450	TRAFFIC CONTROL AND PRO	TECTION, STANDARD 701201		E SUM	1		1
70100460	TRAFFIC CONTROL AND PROT	TECTION, STANDARD 701306		E SUM	1		1
70106500	TEMPORARY BRIDGE TRAFFI	CSIGNALS		EACH	1	1	
70300220	TEMPORARY PAVEMENT MAI	RKING - LINE 4"		FOOT	4,300		4,300
70400100	TEMPORARY CONCRETE BAR	RIER		FOOT	537.5		537,5
70400200	RELOCATION TEMPORARY CO	ONCRETE BARRIER		FOOT	537.5		537.5
70600250	IMPACT ATTENUATORS, TEMP	PORARY (NON-REDIRECTIVE), TES	ST LEVEL 3	EACH	2	-	2
70600350	IMPACT ATTENUATORS, RELO	DCATE (NON-REDIRECTIVE), TEST	LEVEL 3	EACH	2		2
78001110	PAINT PAVEMENT MARKING	LINE 4"		FOOT	4,317		4,317
X0327980	PAVEMENT MARKING REMOV	AL - WATER BLASTING		SQ FT	4,317		4,317
X5030250	8RIDGE DECK GROOVING (LC	DNGITUDINAL)		SQ YD	617.7	617.7	
X7030005	TEMPORARY PAVEMENT MAI	RKING REMOVAL		SQ FT	4,300		4,300
Z0001899	JACK AND REMOVE EXISTING	BEARINGS		EACH	12	12	
Z0001903	STRUCTURAL STEEL REMOV	AL		POUNE) 1180	1180	in a second seco
70001005				DOLINE) 1360	1250	
20001900	SINUCIONAL SIEEL REPAIR			POUNL	, 1300	1300	
Z0006014	BRIDGE DECK LATEX CONCRI	ETE OVERLAY, 2 1/2*		SQ YD	830.3	830.3	
Z0012130	BRIDGE DECK SCARIFICATION	N, 3/4"		SQ YD	830.3	830.3	
Z0016001	DECK SLAB REPAIR (FULL DE	epth, type I)		SQ YD	25	25	
Z0016002	DECK SLAB REPAIR (FULL DE	epth, type II)		SQ YD	85	85	
Z0029090	DIAMOND GRINDING (BRIDGE	SECTION)		SQ YD	857.9	857_9	
DE CH	ESIGNED - MJL HECKED - JCE	REVISED REVISED	STATE OF ILLINOIS		-	SUMMA	RY OF QUANTITI
DR CH	KAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	2			

Mokena, IL 60448 312.256.9090	0. 100	PLOT SCALE = PLOT DATE = 7/26/2018	DRAWN - MJL CHECKED - JCE	REVISED	DEPARTMENT OF TRANSPORTATION	SHEET NO. 2 OF
ENTERPRISES	105		CHECKED - JCE	REVISED	STATE OF ILLINOIS	SUMMARY OF Q
WYNNDALCO		USER NAME = Michael	DESIGNED - MJL	REVISED		

CONSTRUCTION STAGING GENERAL NOTES

- 1. ALL SIGNING MUST BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE IDOT BUREAU OF DESIGN AND ENVIRONMENT HIGHWAY STANDARDS AND THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 2. LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 3. THE CONTRACTOR MUST BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THIS CONSTRUCTION IS IN EFFECT.
- 4. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE CONSTRUCTION IS IN EFFECT MUST BE COMPLETELY COVERED BY THE CONTRACTOR.
- 5. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS MUST BE AS REQUIRED BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 6. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED MUST MEET THE REQUIREMENTS FOR TYPE A - LOW INTENSITY FLASHING LIGHTS IN ARTICLE 702.04 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION MUST BE USED.
- 7. PROPOSED MAINTENANCE OF TRAFFIC SIGNING MUST BE COVERED OR REMOVED WHEN NOT REQUIRED DURING A SPECIFIC STAGE OF CONSTRUCTION.
- 8. SEE SUGGESTED MAINTENANCE OF TRAFFIC PLAN FOR ADDITIONAL SIGNING.
- 9. CHANGEABLE MESSAGE SIGNS TO BE PROVIDED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
- 10. THE CONTRACTOR MUST CONDUCT HIS WORK IN SUCH A MANNER THAT EMERGENCY VEHICLES WILL HAVE ACCESS TO THE AREA AT ALL TIMES.
- 11. THE CONTRACTOR MUST NOTIFY THE IDOT BUREAU OF TRAFFIC AS REQUIRED 72 HOURS IN ADVANCE OF BEGINNING WORK (815) 284-5474.
- 12. SIGN SPACING SHALL BE PER IDOT STANDARD 701321.
- 13. CONTRACTOR TO BE IN ACCORDANCE WITH IDOT STANDARD 701321.



STRUCTURE NO. 037-0079 OVER ROUTE 80 (LOOKING EAST)

EXISTING TYPICAL

STA. 46+75 TO STA. 53+25



STRUCTURE NO. 037-0079 OVER ROUTE 80 (LOOKING EAST)

STAGE 1 CONSTRUCTION TYPICAL

STA. 46+75 TO STA. 53+25

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
70100405	TRAFFIC CONTROL AND PROTECTION,	EACH	1
	STANDARD 701321		
70100450	TRAFFIC CONTROL AND PROTECTION,	EACH	1
	STANDARD 701201		
70100460	TRAFFIC CONTROL AND PROTECTION,	EACH	1
	STANDARD 701306		
70106500	TEMPORARY BRIDGE SIGNALS	EACH	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4300
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	FOOT	4300
70400100	TEMPORARY CONCRETE BARRIER	FOOT	537.5
70400200	RELOCATION TEMPORARY CONCRETE BARRIER	FOOT	537.5
70600250	IMPACT ATTENUATORS, TEMPORARY	EACH	2
	(NON-REDIRECTIVE), TEST LEVEL 3		
70600350	IMPACT ATTENUATORS, RELOCATE	EACH	2
	(NON-REDIRECTIVE), TEST LEVEL 3		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4317
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	FOOT	4317

DB STEDUN CONSULTANTS INC	USER NAME = dwilcox	DESIGNED - JS	REVISED -			F.A.I RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DB STERLIN CONSULTANTS, INC.		DRAWN – JS	REVISED -	STATE OF ILLINOIS	GENERAL NOTES	80	(37-1HB-2)BDR	HENRY	37	4
CHICAGO, ILLINOIS 60606 TEL. (312)857-1006 FAX. (312)857-1056	PLOT SCALE =	CHECKED - MM	REVISED -	DEPARTMENT OF TRANSPORTATION		CONTF			F NO. 6	4M78
	PLOT DATE = 6/7/2018	DATE -	REVISED -		SHEET 1 OF 1 SHEETS	ILLINOIS FED. AID PROJECT				

TOTAL MAINTENANCE OF TRAFFIC - SUMMARY OF QUANTITIES



STA. 46+75 TO STA. 53+25



FRAFFIC PLAN				SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
2 STA. 40+00 TO STA. 47+00			80	(37-1HE	-2)BDR		HENRY	37	5	
			_				CONTRACT	NO. 64	1M78	
					ILLINOIS	FED. A	ID PROJECT			

MA ST						
INE US						<u>→</u> → → → → → → → → → → → → → → → → → →
, ,	47+00					
DBS	DB STERLIN CONSULTANTS, INC 123 N. WACKER ORVE SUITE 2000 CHICAGO, LLINGIS 60606 TEL. (312)857-1006 FAX. (312)857-1056	PLOT SCALE = 50.0000 ' / in. PLOT DATE = 5/24/2018	DRAWN - JS CHECKED - MM DATE -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF T STAGE
L					1	5 51 5 SHEETS



RAFFIC PLAN		F.A.I RTE	SEC	SECTION			TOTAL SHEETS	SHEET NO.	
1		80	(37-1HB-2)BDR			HENRY	37	6	
							CONTRACT	NO. 64	1M78
STA. 47+00 TO STA. 54+00				ILLINOIS	FED. A	ID PROJECT			



LOT DATE = 5/24/2018

DATE

REVISED

SHEET 3 OF 3 SHEETS

UNIT	QUANTITY	
EACH	1	LECEND
		Z - WORK ZONE
EACH	1	━━━ - TEMPORARY CONCRETE BARRIER WALL
FOOT	2150	
		IEMFURART FAVEMENT MARKING
FOOT	2150	O - DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
FOOT	537.5	ττ - TYPE III BARRICADE
FOOT	-	→ - ARROW BOARD
EACH	2	888890 - IMPACT ATTENUATOR TEST LEVEL 3
		➡> - TRAFFIC DIRECTION
EACH	-	A - PAVEMENT MARKING TAPE, TYPE III 4"
		B - PAVEMENT MARKING BLACKOUT TAPE, 4"
FOOT	-	- INAFELC STON
		●► - TRAFFIC SIGNAL
FOOT	4317	
		EXISTING STOP BAR

RAFFIC PLAN				SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
1		80	(37-1HB-2)BDR			HENRY	37	7	
							CONTRACT	NO. 64	1M78
	STA. 54+00	TO STA. 61+00			ILLINOIS	FED. AI	D PROJECT		



Γ	RAFFIC PLA	N	F.A.I RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
-	2		80	(37-1HE	-2)BDR		HENRY	37	8
4	<u>-</u>		_				CONTRACT	NO. 64	1M78
	STA. 40+00	TO STA. 47+00			ILLINOIS	FED, A	ID PROJECT		





- O DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT

	RAFFIC PLA	N	F.A.I RTE	SEC	FION		COUNTY	TOTAL SHEETS	SHEET NO.
-)		80	(37-1HE	-2)BDR		HENRY	37	9
4	-		_				CONTRACT	NO. 64	1M78
	STA. 47+00	TO STA. 54+00			ILLINOIS	FED. AI	D PROJECT		



SHEET 3 OF 3 SHEETS

	STA
1 60+00	ATION
	61+00 6

CH - LEGEND CM - WORK ZONE CH - TEMPORARY CONCRETE BARRIER WALL	
CH - WORK ZONE	
CH - TEMPORARY CONCRETE BARRIER WALL	
OT 2150 - TEMPORARY PAVEMENT MARKING	
O - DRUM WITH STEADY BURNING BI-DIRECTION	AL LIGHT
OT - TYPE III BARRICADE	
→ - ARROW BOARD	
8888 - IMPACT ATTENUATOR TEST LEVEL 3	
CH - → - TRAFFIC DIRECTION	
A - PAVEMENT MARKING TAPE, TYPE III 4"	
CH 2 (B) - PAVEMENT MARKING BLACKOUT TAPE, 4"	
- TRAFFIC SIGN	
OT 4317 - TRAFFIC SIGNAL	
OT - EXISTING STOP BAR	

	RAFFIC PLAN	N	F.A.I RTE	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
•	>		80	(37-1HE	-2)BDR		HENRY	37	10
-	-						CONTRACT	NO. 64	1M78
	STA. 54+00	TO STA. 61+00			ILLINOIS	FED. AI	ID PROJECT		



WYNNDALCO"	USER NAME = Mike Livernois	DESIGNED - MJL	REVISED		
ENTERPRISES		CHECKED - JCE	REVISED	STATE OF ILLINOIS	STANDA
19081 Old LaGrange Rd, Ste. 106	PLOT SCALE =	DRAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	
312.256.9090	PLOT DATE = 5/15/2018	CHECKED - JCE	REVISED		SHEET NO. 2 OF



WYNNDALCO"	USER NAME = Mike Livernois	DESIGNED - MJL	REVISED		
ENTERPRISES		CHECKED - JCE	REVISED	STATE OF ILLINOIS	STANDA
19081 Old LaGrange Rd, Ste. 106	PLOT SCALE =	DRAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	
312.256.9090	PLOT DATE = 5/15/2018	CHECKED - JCE	REVISED		SHEET NO. 2 OF

INTERPRISES	USER NAME = Mike Livernois PLOT SCALE =	DESIGNED - MJL CHECKED - JCE DRAWN - MJL	REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAND
312.256.9090	PLOT DATE = 5/15/2018	CHECKED - JCE	REVISED		SHEET NO. 2 OF

WYNNDALCO"	USER NAME = Mike Livernois	DESIGNED - MJL	REVISED		
ENTERPRISES		CHECKED - JCE	REVISED	STATE OF ILLINOIS	STANDAR
19081 Old LaGrange Rd, Ste. 106	PLOT SCALE =	DRAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	
312.256.9090	PLOT DATE = 5/15/2018	CHECKED - JCE	REVISED		SHEET NO. 2 OF

W20-7(0)-48 (150 m	W20-4(0)-48	W 500' (150 m) min 1000' (300 m) ma	ROAD WORK AHEAD W20-1(0)-48 ROAD CONSTRUCTION AHEAD 20-1103(0)-48	
	This Standard vehicle, equip require an ini operation on speed of mov (1 km/h) and When the op traffic control Standard 701 All dimension unless otherw	GENERAL I is used where a ment, workers or termittent or cont the pavement why vement is greater less than 4 mph eration does not e may be accordin 301. s are in inches (n vise shown.	NOTES t any time, any their activities inuous moving ere the average than ½ mph (6 km/h). exceed 60 minutes, g to		
	LANE O MOVING FOI	LOSURE, OPERATI R SPEEDS	2L, 2W, SI ONS DAY (≥ 45 MPH	LOW DNLY,	
		STANDARD 7	01306-04		
DS		F.A.I RTE. 80	SECTION D2 (37-1HB-2)BDR	COUNTY HENRY CONTRACT	TOTAL SHEETS SHEET NO. 37 1 4 NO. 64M78

WYNNDALCO"	USER NAME = Mike Livernois	DESIGNED - MJL	REVISED		
ENTERPRISES		CHECKED - JCE	REVISED	STATE OF ILLINOIS	STAN
19081 Old LaGrange Rd, Ste. 106	PLOT SCALE =	DRAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	
312.256.9090	PLOT DATE = 5/15/2018	CHECKED - JCE	REVISED		SHEET NO. 2

DBS

SE	QUE	NC	E	
A			В	
2	3	4	5	6
Y	R	R	R	R
R	R	G	Y	R

TEMPORARY CONCRETE	BARRIER
NORMAL POSTED SPEED	TAPER RATIO
40 mph AND ABOVE	12:1
BELOW 40 mph	8:1

ADVISORY SPEED LIMIT						
NORMAL POSTED SPEED	ADVISORY SPEED					
55 - 45 mph	40 mph					
40 mph	35 mph					
35 - 30 mph	30 mph					

GENERAL NOTES

This Standard is used where, at any time, any vehicle, equipment, workers, or their activities will encroach on one lane of a bridge. Traffic signals and a positive barrier are required.

Traffic signals shall be operational only when all traffic controls are in place. When traffic signals are not in operation, flaggers shall be used and traffic control shall conform to Standard 701201 or 701206.

Temporary concrete barrier shall be according to Standard 704001.

Existing or temporary pavement markings shall be on both sides of open lane from stop bar to stop bar.

All dimensions are in inches (millimeters) unless otherwise shown.

LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER

(Sheet 2 of 2)

STANDARD 701321-17

50	F.A.I RTE	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.
DS	80	(37-1HE	-2)BDR		HENRY	37	17
					CONTRACT	NO. 64	1M78
SHEETS			ILLINOIS	FED. AI	ID PROJECT		

WYNNDALCO"	USER NAME = Mike Livernois	DESIGNED - MJL	REVISED		
ENTERPRISES		CHECKED - JCE	REVISED	STATE OF ILLINOIS	STANI
19081 Old LaGrange Rd, Ste. 106	PLOT SCALE =	DRAWN - MJL	REVISED	DEPARTMENT OF TRANSPORTATION	
312.256.9090	PLOT DATE = 5/15/2018	CHECKED - JCE	REVISED		SHEET NO. 2 OF

	USER NAME = mmiller	DESIGNED - JS	REVISED -		
DB STERLIN CONSULTANTS, INC		DRAWN - JS	REVISED -	STATE OF ILLINOIS	1
CHICAGO, ELINOIS 60606 TEL: (312)857-1006 FAX; (312)857-1056	PLOT SCALE =	CHECKED - MM	REVISED -	DEPARTMENT OF TRANSPORTATION	1
	PLOT DATE = 5/15/2018	DATE -	REVISED -		

DBS PLOT DATE = 5/15/2018 DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLOT DATE = 5/15/2018 DATE REVISED

	USER NAME = mmiller	DESIGNED - JS	REVISED -		
DB STERLIN CONSULTANTS, INC	2	DRAWN - JS	REVISED -	STATE OF ILLINOIS	STANDAR
CHICAGO, ILLINOIS 60606 TEL (312)857-1056	PLOT SCALE =	CHECKED - MM	REVISED -	DEPARTMENT OF TRANSPORTATION	
	PLOT DATE = 5/15/2018	DATE -	REVISED -		SHEET 6 OF 7

SHEET 7 OF 7

GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS (Sheet 3 of 3)

STANDARD 782006

	F.A.I RTE	SECT	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
RDS	80	(37-1HB	-2)BDR		HENRY	37	23
					CONTRACT	NO. 64	M78
SHEETS			ILLINOIS	FED. AI	ID PROJECT		

y Item												
y Item				N-11	2							
umber				Pay	/ Item		Ur	nit To	tal Quantity]		
000182 H	OT-MIX AS	SPHALT	SURFAC		8"			VD	240.0	_		
000152 H	OT-MIX AS	SPHALT	SURFAC		3///"		SQ		348.9	-		
600982 H	OT-MIX AS	SPHALT	SUBFAC		PUTT IOINT		SQ	YD	937.3	-		
603340 H	OT-MIX AS	CHALT	SUBEAC		MLX "D" N70		SQ	YD	578.0	-		
203020 H	OT MIX AS		SUNFAC	E COURSE,	MIX D', N/U		1	ON	190.9	-		
603310 H	OT MIX AS		SHOULD	EKS, 0	MLV ICII NEO		SQ	YD	348.9	-		
600990 T			SURFAC	E COURSE,	MIX "C", N50		T	ON	32.8	-		
260100 1	NI ETS TO						SQ	YD	114.0	-		
0275 P	ITUMINOUS	DE ADJ	USTED				E	A	4.0			
D0275	TTOMINOUS	MATER	TALS (PRIME COA	(1)		POI	JND	4,432]		
					East Bou	nd						
BEGIN	END	LENGTH (FT)	WIDTH (FT)	HMA SURF REM 3/4" (SQ YD)	HMA SURF REM BUTT JT (SQ YD)	HMA SC "D" N70	HMA SURF REM 8" (SQ YD)	HMA SHOULDER 8	RS HMA SC "C"			
46+30 50	47+07 00	76 50	17 00		144 5		,					
47+07 00	48+84 00	177 00	12 00	236.0	144.5	18.2						
51+16.00	52+90 50	174 50	12.00	230.0		29.7						
52+90.50	53+67.00	76.50	17.00	232.1	144 5	29.3						
47+07.00	48+65.50	158.50	5.00		144.5	18.2						
49+78.50	51+34.00	155.50	5.00				88.1	88.1	And a second second second			
47+07.00	48+84.00	177.0	5.00				86.4	86.4				
51+16.00	52+90.50	174.5	5.00						8.3			
51+16.00	52+90.50	174.5	5.00 TOTALS	468.7	289.0	05.5	174 4	174.4	8.3			
51+16.00	52+90.50	174.5	5.00 TOTALS	468.7	289.0	95.5	174.4	174.4	8.3 8.1 16.4			
51+16.00	52+90.50	174.5	5.00 TOTALS	468.7	289.0 West Bou	95.5 nd	174.4	174.4	8.3 8.1 16.4		244	
51+16.00 BEGIN	52+90.50 END	174.5 LENGTH (FT)	5.00 TOTALS WIDTH (FT)	468.7 HMA SURF REM 3/4" (SQ YD)	289.0 West Bou HMA SURF REM BUTT JT (SQ YD)	95.5 nd HMA SC "D" N70	174.4 HMA SURF REM 8" (SQ YD)	174.4 HMA SHOULDER 8	8.3 8.1 16.4 RS HMA SC "C" N50		Sav	
51+16.00 BEGIN 53+67.00	52+90.50 END 52+90.50	174.5 LENGTH (FT) 76.50	5.00 TOTALS WIDTH (FT) 17.00	468.7 HMA SURF REM 3/4" (SQ YD)	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5	95.5 nd HMA SC "D" N70 18.2	174.4 HMA SURF REM 8" (SQ YD)	174.4 HMA SHOULDER 8	8.3 8.1 16.4 RS HMA SC "C" N50		344	
51+16.00 BEGIN 53+67.00 52+90.50	END 52+90.50 52+90.50 51+16.00	174.5 LENGTH (FT) 76.50 174.50	5.00 TOTALS WIDTH (FT) 17.00 12.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5	95.5 nd HMA SC "D" N70 18.2 29.3	174.4 HMA SURF REM 8" (SQ YD)	174.4 HMA SHOULDER 8	8.3 8.1 16.4 RS HMA SC "C" N50		344	
51+16.00 BEGIN 53+67.00 52+90.50 48+84.00	END 52+90.50 52+90.50 51+16.00 47+07.00	174.5 LENGTH (FT) 76.50 174.50 177.00	5.00 TOTALS WIDTH (FT) 17.00 12.00 12.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7 236.0	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5	95.5 nd HMA SC "D" N70 18.2 29.3 29.7	174.4 HMA SURF REM 8" (SQ YD)	174.4 HMA SHOULDER 8	8.3 8.1 16.4 RS HMA SC "C" N50		244	
51+16.00 BEGIN 53+67.00 52+90.50 48+84.00 47+07.00	END 52+90.50 52+90.50 51+16.00 47+07.00 46+30.50	174.5 LENGTH (FT) 76.50 174.50 177.00 76.50	5.00 TOTALS WIDTH (FT) 17.00 12.00 12.00 17.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7 236.0	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5 144.5	95.5 nd HMA SC "D" N70 <u>18.2</u> 29.3 29.7 <u>18.2</u>	174.4 HMA SURF REM 8" (SQ YD)	174.4 HMA SHOULDER 8	8.3 8.1 16.4 RS HMA SC "C" N50		30	
51+16.00 BEGIN 53+67.00 52+90.50 48+84.00 47+07.00 51+34.00	END 52+90.50 52+90.50 51+16.00 47+07.00 46+30.50 49+78.50	174.5 LENGTH (FT) 76.50 174.50 177.00 76.50 155.50	5.00 TOTALS WIDTH (FT) 17.00 12.00 12.00 17.00 5.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7 236.0	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5 144.5	95.5 nd HMA SC "D" N70 18.2 29.3 29.7 18.2	174.4 HMA SURF REM 8" (SQ YD) 86.4	174.4 HMA SHOULDER 8 8	8.3 8.1 16.4 Rs HMA SC "C" N50		544	
51+16.00 BEGIN 53+67.00 52+90.50 48+84.00 47+07.00 51+34.00 48+65.50	END 52+90.50 52+90.50 51+16.00 47+07.00 46+30.50 49+78.50 47+07.00	174.5 LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50	5.00 TOTALS WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7 236.0	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5 144.5	95.5 nd HMA SC "D" N70 18.2 29.3 29.7 18.2	174.4 HMA SURF REM 8" (SQ YD) 86.4 88.1	174.4 HMA SHOULDER 8 8 .1	8.3 8.1 16.4 RS HMA_SC_"C" N50		30	
51+16.00 BEGIN 53+67.00 52+90.50 48+84.00 47+07.00 51+34.00 48+65.50 52+90.50	END 52+90.50 52+90.50 51+16.00 47+07.00 46+30.50 49+78.50 47+07.00 51+16.00	174.5 LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50	5.00 TOTALS WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7 236.0	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5	95.5 nd HMA SC "D" N70 18.2 29.3 29.7 18.2	174.4 HMA SURF REM 8" (SQ YD) 86.4 88.1	174.4 HMA SHOULDER 8 86.4 88.1 96.9	8.3 8.1 16.4 RS HMA SC "C" N50		344	
51+16.00 BEGIN 53+67.00 52+90.50 48+84.00 47+07.00 51+34.00 48+65.50 52+90.50 48+84.00	END 52+90.50 52+90.50 51+16.00 47+07.00 46+30.50 49+78.50 47+07.00 51+16.00 47+07.00	174.5 LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 174.00	5.00 TOTALS WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00	468.7 HMA SURF REM 3/4" (SQ YD) 232.7 236.0	289.0 West Bou HMA SURF REM BUTT JT (SQ YD) 144.5 144.5	95.5 nd HMA SC "D" N70 18.2 29.3 29.7 18.2	174.4 HMA SURF REM 8" (SQ YD) 86.4 88.1	174.4 HMA SHOULDER 8 	8.3 8.1 16.4 RS HMA_SC_"C" N50		30	

					5							
y Item umber				Pay	/ Item		Ui	nit Tot	al Quantity			
000182	HOT-MIX A	SPHALT	SURFACE	E REMOVAL	., 8"		SQ	YD	348.9			
000152	HOT-MIX A	SPHALT	SURFACE	E REMOVAL	., 3/4"		SQ	YD	937.3			
600982	HOT-MIX A	SPHALT	SURFACE	E REMOVAL	- BUTT JOINT		SQ	YD	578.0			
603340	HOT-MIX A	SPHALT	SURFACE	E COURSE,	, MIX "D", N70		Т	ON	190.9			
203029	HOT-MIX A	SPHALT	SHOULDE	ERS, 8"			SQ	YD	348.9			
603310	HOT-MIX A	SPHALT	SURFACE	E COURSE,	, MIX "C", N50	ON	22.0					
600990	TEMPORARY	RAMP				SQ	YD	11/ 0				
260100	INLETS TO	BE ADJ	USTED				F	A	4.0			
00275	BITUMINOU	S MATER	IALS (F	PRIME COA	AT)		PO	UND	4,432			
					East Bou	nd						
			A STREET OF THE STREET			2000.07 ²⁰						
BEGIN	END	LENGTH (FT)	WIDTH (FT)	REM 3/4" (SQ YD)	HMA SURF REM BUTT JT (SQ YD)	HMA SC "D" N70	HMA SURF REM 8" (SQ YD)	HMA SHOULDERS 8	; HMA SC "C" N50			
46+30.5	50 47+07.00	76.50	17.00		144.5	18.2						
47+07.0	00 48+84.00	177.00	12.00	236.0		29.7						
51+16.0	00 52+90.50	174.50	12.00	232.7		29.3						
52+90.5	50 53+67.00	76.50	17.00		144.5	18.2						
47+07.0	00 48+65.50	158.50	5.00				88.1	88.1				
49+78.5	50 51+34.00	155.50	5.00				86.4	86.4				
47+07.0	00 48+84.00	177.0	5.00						8.3			
51+16.0	00 52+90.50	174.5	5.00						8.1			
			TOTALS	468.7	289.0	95.5	174.4	174.4	16.4			
		0-01-00-1 11			West Bou	nd					240	
BEGIN				HMA SURF	HMA SUBE REM		HMA SURF	НМА				
	END	LENGTH (FT)	WIDTH (FT)	REM 3/4"	BUTT JT (SO YD)	HMA SC "D" N70	REM 8" (SQ	SHOULDERS	HMA SC "C"			
	END	LENGTH (FT)	WIDTH (FT)	REM 3/4" (SQ YD)	BUTT JT (SQ YD)	HMA SC "D" N70	REM 8" (SQ YD)	SHOULDERS 8	N50			
53+67.0	END	LENGTH (FT) 76.50	WIDTH (FT) 17.00	REM 3/4" (SQ YD)	BUTT JT (SQ YD)	18.2	REM 8" (SQ YD)	SHOULDERS 8	N50			
53+67.0 52+90.5	END 00 52+90.50 50 51+16.00	LENGTH (FT) 76.50 174.50	WIDTH (FT) 17.00 12.00	REM 3/4" (SQ YD) 232.7	BUTT JT (SQ YD) 144.5	18.2 29.3	REM 8" (SQ YD)	SHOULDERS 8	N50			
53+67.0 52+90.5 48+84.0	END 00 52+90.50 50 51+16.00 00 47+07.00 00 46+20.50	LENGTH (FT) 76.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00	REM 3/4" (SQ YD) 232.7 236.0	BUTT JT (SQ YD) 144.5	18.2 29.3 29.7	REM 8" (SQ YD)	SHOULDERS 8	N50			
53+67.0 52+90.5 48+84.0 47+07.0	END 00 52+90.50 50 51+16.00 00 47+07.00 00 46+30.50 00 49+78.50	LENGTH (FT) 76.50 174.50 177.00 76.50	WIDTH (FT) 17.00 12.00 12.00 17.00	REM 3/4" (SQ YD) 232.7 236.0	BUTT JT (SQ YD) 144.5 144.5	18.2 29.3 29.7 18.2	REM 8" (SQ YD)	SHOULDERS 8	HMA SC "C" N50			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5	END 52+90.50 50 51+16.00 00 47+07.00 00 46+30.50 00 49+78.50 50 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00	REM 3/4" (SQ YD) 232.7 236.0	BUTT JT (SQ YD) 144.5 144.5	18.2 29.3 29.7 18.2	REM 8" (SQ YD) 	SHOULDERS 8 8 86.4	HMA SC "C" N50			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00	REM 3/4" (SQ YD) 232.7 236.0	BUTT JT (SQ YD) 144.5 144.5	18.2 29.3 29.7 18.2	REM 8" (SQ YD) 86.4 88.1	SHOULDERS 8 86.4 88.1	HMA SC "C" N50			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 200 52+90.50 300 51+16.00 300 47+07.00 300 46+30.50 300 49+78.50 300 47+07.00 300 51+16.00 300 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00	REM 3/4" (SQ YD) 232.7 236.0	BUTT JT (SQ YD) 144.5 144.5	18.2 29.3 29.7 18.2	REM 8" (SQ YD) 86.4 88.1	SHOULDERS 8 86.4 88.1 96.9	HMA SC "C" N50			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 51+16.00 0 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00	REM 3/4" (SQ YD) 232.7 236.0	BUTT JT (SQ YD) 144.5 144.5	18.2 29.3 29.7 18.2	REM 8" (SQ YD) 86.4 88.1	SHOULDERS 8 86.4 88.1 96.9	HMA SC "C" N50			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 468.7	BUTT JT (SQ YD) 144.5 144.5 289.0	18.2 29.3 29.7 18.2 	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	8.1 8.3 16.4			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 	BUTT JT (SQ YD) 144.5 144.5 289.0	18.2 29.3 29.7 18.2 95.5	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	HMA SC "C" N50 8.1 8.3 16.4			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 47+07.00 0 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 468.7	BUTT JT (SQ YD) 144.5 144.5 289.0	18.2 29.3 29.7 18.2 95.5	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	8.1 8.3 16.4			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 	BUTT JT (SQ YD) 144.5 144.5 289.0	18.2 29.3 29.7 18.2 95.5	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	8.1 8.3 16.4			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 468.7	BUTT JT (SQ YD) 144.5 144.5 289.0	18.2 29.3 29.7 18.2 95.5	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	8.1 8.3 16.4			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 0 52+90.50 5 51+16.00 0 47+07.00 0 46+30.50 0 49+78.50 5 47+07.00 5 51+16.00 0 47+07.00 5 1+16.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 17.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 468.7	BUTT JT (SQ YD) 144.5 144.5 289.0	18.2 29.3 29.7 18.2 95.5	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	8.1 8.3 16.4			
53+67.0 52+90.5 48+84.0 47+07.0 51+34.0 48+65.5 52+90.5 48+84.0	END 00 52+90.50 00 51+16.00 00 47+07.00 00 46+30.50 00 49+78.50 00 47+07.00 00 51+16.00 00 47+07.00 00 47+07.00	LENGTH (FT) 76.50 174.50 177.00 76.50 155.50 158.50 174.50 177.00	WIDTH (FT) 17.00 12.00 12.00 5.00 5.00 5.00 5.00 TOTALS	REM 3/4" (SQ YD) 232.7 236.0 468.7	BUTT JT (SQ YD) 144.5 144.5 289.0 STATE OF ILLI	NOIS	REM 8" (SQ YD) 86.4 88.1 174.4	SHOULDERS 8 86.4 88.1 96.9 174.4	HIMA SC "C" N50 8.1 8.3 16.4	F.A. RTE.	SECTION	COUNTY TOTAL SHE

I t em												
Item		-		3-10-	5							
mber				Pay	/ Item		Ur	nit Tot	al Quantity			
00182	HOT-MIX AS	SPHALT	SURFAC	E REMOVAL	., 8"		SQ	YD	348.9			
00152	HOT-MIX AS	SPHALT	SURFACI	E REMOVAL	., 3/4"		SQ	YD	937.3			
00982	HOT-MIX AS	SPHALT	SURFACI	E REMOVAL	- BUTT JOINT		SQ	YD	578.0			
03340	HOT-MIX AS	SPHALT	SURFACI	E COURSE,	MIX "D", N70		Т	ON	190.9			
03029	HOT-MIX AS	SPHALT	SHOULD	ERS, 8"			SQ	YD	348.9			
03310	HOT-MIX AS	SPHALT	SURFAC	E COURSE,	MIX "C", N50		Т	ON	22.0			
00990	TEMPORARY	RAMP					SQ	YD	114 0			
60100	INLETS TO	BE ADJ	JSTED				E	A	4.0			
275	BITUMINOUS	5 MATER	IALS (I	PRIME COA	AT)		PO	UND	4,432			
					Fast Bou	nd						
									1			
BEGIN	END	LENGTH (FT)	WIDTH (FT)	HMA SURF REM 3/4" (SQ YD)	HMA SURF REM BUTT JT (SQ YD)	HMA SC "D" N70	HMA SURF REM 8" (SQ YD)	HMA SHOULDERS 8	HMA SC "C" N50			
46+30.5	0 47+07.00	76.50	17.00		144.5	18.2						
47+07.0	0 48+84.00	177.00	12.00	236.0		29.7						
51+16.0	0 52+90.50	174.50	12.00	232.7		29.3						
52+90.5	0 53+67.00	76.50	17.00		144.5	18.2						
47+07.0	0 48+65.50	158.50	5.00				88.1	88.1				
49+78.5	0 51+34.00	155.50	5.00				86.4	86.4				
47+07.0	0 48+84.00	177.0	5.00						8.3			
51+16.0	0 52+90.50	174.5	5.00						8.1			
			TOTALS	468.7	289.0	95.5	174.4	174.4	16.4			
					West Bou	nd					141	
BEGIN	END	LENGTH (FT)	WIDTH (FT)	HMA SURF REM 3/4" (SQ YD)	HMA SURF REM BUTT JT (SQ YD)	HMA SC "D" N70	HMA SURF REM 8" (SQ YD)	HMA SHOULDERS 8	HMA SC "C" N50			
53+67.0	0 52+90.50	76.50	17.00		144.5	18.2						
52+90.5	0 51+16.00	174.50	12.00	232.7		29.3						
48+84.0	0 47+07.00	177.00	12.00	236.0		29.7						
47+07.0	0 46+30.50	76.50	17.00		144.5	18.2						
51+34.0	0 49+78.50	155.50	5.00				86.4	86.4				
48+65.5	0 47+07.00	158.50	5.00				88.1	88.1				
52+90.5	0 51+16.00	174.50	5.00					96.9	8.1			
48+84.00	0 47+07.00	177.00	5.00						8.3			
			TOTALS	468.7	289.0	95.5	174.4	174.4	16.4			
								22				
SIGNED	RI	EVISED		_	STATE OF U	INOIS		HOT-MIX ASF	PHALT APPROACH DETAILS	F.A. RTE	E. SECTION	COUNTY TOTAL SH SHEETS

	USER NAME = rollinsks	DESIGNED .	REVISED		
		DRAWN -	REVISED -	STATE OF ILLINOIS	HOT-MIX ASPHALT APPROACH
	PLOT SCALE = 93.4670 ' / in.	CHECKED -	REVISED -		SN 037-0079
PLOT DATE = May-14-2018 10:48:02 AM	DATE -	REVISED -	REVISED -	SCALE: SHEFT OF SHEETS STA	

.

location and Mixture	Resurfacing	Shou	lders	
Uses(s):	Surface	Top Lift	All Lower Lifts	
PG:	PG 64-22	PG 64-22	PG 64-22	
Design Air Voids	4.0 @ N70	4.0 @ N50	3.0 @ N50	
Mixture Composition (Gradation Mixture)	IL 9.5	IL 9.5, or 9.5FG	IL 19.0	
Friction Aggregate	D	С	N/A	
20 Year ESAL	0.3	N/A	N/A	
Mix Unit Weight	112 lbs/sy/in	112 lbs/sy/in		
Quality Management Program to be Used	QC/QA	QC/QA	QC/QA	
Sublot Tonnage				

* On projects with less than 2000 tons Level Binder, Growth Curve can be used for Density.

USER NAME = rollinsks	DESIGNED	REVISED -			X ASPHALT APPRO/			
PLOT SCALE = 62 4284 ' / in.	CHECKED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 037-0079				9
 PLOT DATE = May-14-2018 10:49:46 AM	DATE -	REVISED -	DEFAILMENT OF THANGI ON ATTON	SCALE:	SHEET	OF	SHEETS	S ST

(4) 		
ACH DETAILS	<u>F.A.</u>	COUNTY TOTAL SHEET NO.
ACH DETAILS	F.A	COUNTY TOTAL SHEET SHEETS NO. DR HENRY 3Z 25
ACH DETAILS	<mark>F.A.</mark> <u>во</u> (37-1HB-2)В	COUNTY TOTAL SHEET SHEET NO. DR HENRY 32 25 CONTRACT NO. 64M78
ACH DETAILS	F.ASЕСПОМ RTE:S0(37-1HB-2)ВІ 	COUNTY TOTAL SHEET SHEETS NO. DR HENRY 3Z 25 CONTRACT NO. 64M78 S FED. AID PROJECT
ACH DETAILS	F.A	COUNTY TOTAL SHEET DR HENRY 3Z. 25 CONTRACT NO. 64M78 S FED. AD PROJECT

ACH DETAILS		ACH DETAILS		F.A RTE.	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
		80	(37-1HB-2)BDR		HENRY	37	26			
						CONTRACT	NO.64	M78		
ГА	TO STA.			ILLINOIS	FED. AI	D PROJECT				

PRE STAGE

D REPLACEMENT DETAILS	F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
079		D2(37-1HB-2)BDR		HENRY	37	32
				CONTRACT	NO. 64	4M78
SHEETS		ILLINOIS	FED. AI	ID PROJECT		

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4¹/₂" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be $\frac{3}{6}$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F-shape barrier shown, 42" F-shape similar as noted. The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	77

		-	-	-			
RIP SEAL DETAILS		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		D2(37-1HB-2)BDR		HENRY	37	33	
					CONTRACT	NO. 64	4M78
SHEETS			ILLINOIS	FED. A	ID PROJECT		

Threaded splicer bar length = min. lap length + $1\frac{1}{2}$ " + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar	No. assemblies	Minimum
Location	size	required	lap length
W. Abut. (Hatch)	#6	4	4'-0''
W. Abut. (Deck)	#5	8	3'-6''
E. Abut. (Hatch)	#6	4	4'-0''
E. Abut. (Deck)	#5	8	3'-6''

INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or

cementing to steel forms. (E) : Indicates epoxy coating.

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2-17-2017

DJD 1 2-17	-2017									
DESIGNED MLD	EXAMINED	I mote A A a lot	DATE OCTOBER 3, 2018		BAB SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.I.	SECTION	COUNTY	TOTAL	SHEET
CHECKED JSB		ENGINEER OF STRUCTURAL SERVICES		STATE OF ILLINOIS		80	D2(37-1HB-2)BDR	HENRY	37	34
DRAWN Steffen	PASSED	& Carl Program	REVISED	DEPARTMENT OF TRANSPORTATION	SIN 037-0079	_		CONTRACT	T NO. 64	4M78
CHECKED MLD JSB		ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 4 OF 7 SHEETS		ILLINOIS FED.	AID PROJECT		

STANDARD MECHANICAL SPLICER

Location	Location Bar size	

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications. See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BEAM REACTIONS

R₽	(K)	14.2
R4	(K)	29.5
Imp.	(K)	8.8
R (Total)	(K)	52.5

Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.

Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).

±2'4''

24"

Min. jack capacity = 30 Tons. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Side retainers shall be included in the cost of

Elastometric Bearing Assembly, Type II. The 'g'' PTFE sheet shall be bonded directly to the

top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of ¹8'' PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

New bearing plates, steel extensions, shim plates, side retainers, anchor bolts, connection bolts, nuts, and washers shall be galvanized according to AASHTO M111 or M232 as applicable.

SECTION THRU PTFE

5'2" & Top Brg.

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TAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
070	80	D2(37-1HB-2)BDR	HENRY	37	35	
075	CONTRACT NO. 64M7					
7 SHEETS	ILLINOIS FED. AID PROJECT					

Diaphragm connection holes shall be $^{15}_{16}$ '' ϕ for 3_4 '' ϕ bolts. Two hardened

ETAILS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
079	80	D2(37-1HB-2)BDR	HENRY	37	36
			CONTRACT	NO. 6	4M78
SHEETS		ILLINOIS FED. A	ID PROJECT		

REVISED

CHECKED HSS

SHEET	N0.	7	0F	7

ITEM	UNIT	QUANTITY
Structural Steel Removal	Pound	1180
Structural Steel Repair	Pound	1360
Furnishing & Erecting Structural Steel	Pound	1220

C DETAILS		SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
079	80	D2(37-1HB-2)BDR				HENRY	37	37
						CONTRACT	NO. 6	4M78
SHEETS			ILLINOIS	FED.	AID	PROJECT		