09-18-2020 LETTING ITEM 045

INDEX OF SHEETS SEE SHEET 2

DESIGN	DES	SIGNATION
FREEWAY	AND	EXPRESSWAY

<u>ADT</u>

	<u>SN 060-0278 NB</u>	<u>SN 060-0279 SB</u>
2019 ADT (ACTUAL) =	14,900	14,900
2020 ADT (ESTIMATED) =	15,100	15,100
2040 ADT (ESTIMATED) =	19,150	19,150
MU =	5.0%	5.0%
SU =	7.6%	7.6%

TWIN PARALLEL 4-SPAN WELDED

(618) 346-3175

(618) 346-3194

PLATE GIRDER STRUCTURE CARRYING FAP 310 (IL 255) OVER THE CAHOKIA DIVERSION CHANNEL

LONGITUDE: 90.04366° W SN 060-0279 (SB) LATITUDE: 38.80323° N LONGITUDE: 90.04369° W.

SN 060-0278 (NB) LATITUDE: 38.80338° N

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP RTE 310 (IL 255) SECTION 60-10BR-2 **PROJECT #NHPP-MEKZ(370) BRIDGE JOINT REPAIR AND HMA OVERLAY** AT STRUCTURE NOS. 060-0278 & 060-0279 **MADISON COUNTY**

C-98-055-20



LOCATION MAP MAP SCALE: 1"=1 MILE

SN 060-0278 SN 060-0279 GROSS LENGTH = 508 FT. = 0.096 MILE GROSS LENGTH = 508 FT. = 0.096 MILE NET LENGTH = 508 FT. = 0.096 MILE NET LENGTH = 508 FT. = 0.096 MILE

> TOTAL GROSS LENGTH = 1,016 FT. = 0.192 MILE TOTAL NET LENGTH = 1,016 FT. = 0.192 MILE



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT	ENGINEER:	TIFFA	NY	BRASE
PROJECT	MANAGER:	PHIL	FRE	MUTH

CONTRACT NO. 76N15

INDEX OF SHEETS

- COVER SHEET
- GENERAL NOTES 2.
- SUMMARY OF QUANTITIES 3-5.
- TYPICAL SECTIONS 6.
- SCHEDULES
- TRAFFIC CONTROL AND PROTECTION 8-9.
- 10. MISCELLANEOUS DETAILS
- 11-21. BRIDGE PLANS
- EXISTING BRIDGE PLANS (FOR INFORMATION ONLY) 22-33

HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 642001-02 SHOULDER RUMBLE STRIPS, 16 IN.
- 701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER LANE CLOSURE, MULTI LANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS \geq 45 MPH 701402-12
- 701426-09
- TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY 701428-01 TRAFFIC CONTROL DEVICES TEMPORARY CONCRETE BARRIER
- 701901-08 704001-08

COMMITMENTS

NONE

- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



- **GENERAL NOTES**
- 1. ALL ELEVATIONS REFER TO NATIONAL GEODATIC SURVEY (N.G.S.) DATUM.
- 2. IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 3. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * AMEREN ILLINOIS (GAS & ELECTRIC)
 - * AT&T ILLINOIS (COMMUNICATIONS)
 - * CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - * CITY OF EDWARDSVILLE (WATER & SANITARY SEWER)
 - * NORTHEAST CENTRAL COUNTY PUBLIC WATER DISTRICT (WATER)
 - * VILLAGE OF ROXANA (WATER & SANITARY SEWER)
 - * VILLAGE OF SOUTH ROXANA (WATER & SANITARY SEWER)

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *. NON MEMBERS MUST BE NOTIFIED INDIVIDUALLY

- 4. AN ESTIMATED 41 TONS OF HMA WILL BE REMOVED.
- 5. ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO APPLICABLE PORTIONS OF ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE AND NO OTHER COMPENSATION WILL BE PERMITTED.
- 6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 7. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO MILLED, PRIMED AND FINAL HMA SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN INCLUDED IN THE PLANS. "SHORT TERM PAVEMENT MARKING REMOVAL" SHALL BE PAID FOR THE FINAL SURFACE ONLY.

- 8. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A WAY AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 9. THE STAGE CONSTRUCTION TRAFFIC CONTROL SEQUENCE AS SHOWN IN THE PLANS IS SUGGESTED. THE CONTRACTOR MAY SUBMIT IN WRITING A PROPOSED STAGE CONSTRUCTION TRAFFIC CONTROL SEQUENCE MEETING THE TRAFFIC CONTROL STANDARDS, PLAN NOTES, AND SPECIAL PROVISIONS IN THIS CONTRACT FOR APPROVAL BY THE DEPARTMENT.
- 10. ANY REFERENCE TO BITUMINOUS CONCRETE SHALL BE CONSTRUED TO MEAN HMA.
- 11. THE FOLLOWING RATES WERE USED IN THE COMPUTATION OF QUANTITIES: HOT-MIX ASPHALT 112 LBS/SQ YD/IN. BITUMINOUS MATERIALS (TACK COAT) 0.05 LBS/SQ FT
- 12. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITIES, WOMEN, AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN, AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

13. CONTRACTOR ACCESS FOR PLACING RIPRAP ALONG NORTH SLOPE SHALL BE THROUGH THE MEDIAN.

HMG ENGINEERS, INC. 9360 HOLY CROSS LANE	HMG ENGINEERS, INC 9360 HOLY CROSS LANE BREESE ILINOIS 62230 LUSER NAME - DESIGNED - REVISED - CHECKED - REVISED - PLOT SCALE - DRAWN - REVISED -	STATE OF ILLINOIS	GENERAL NOTES	F.A.P. RTE. 310 6	SECTION 60-10BR-2	COUNTY	TOTAL SHEETS 33	SHEET NO. 2		
ineers • Surveyors (618) 526-9611	PLOT SCALE -	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRAC	T NO. 7	6N15
(010) 520 7011	PLOT DATE -	CHECKED -	REVISED -		SHEET 1 OF 1 SHEETS		ILLINOIS FED. AID	D PROJECT		

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MIXTURE REQUIREMENTS

ROUTE	FAP 310	(IL 255)						
SECTION	60-10BR-2							
COUNTY	MADISON	1						
CONTRACT	76N15							
DESCRIPTION: BRIDGE REPAIR, HMA OVERLAY AND JOINT REPAIR SN 060-0278 (NB)								
AND SN 060-0279 (SB)								
ADT (CONST.	YR)	30200						
MU%		5						
SU%		7.6						
20 YR. ESAL'S	5	12.53						
		*						

MIXTURE USE	POLT SURFACE
AC/PG	SBS PG 76-22
RAP % (MAX)	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=90
MIX COMPOSITION	IL 9.5
FRICTION AGG	MIXTURE "E"
QUALITY MGMT PROGRAM	QC/QA

				URBAN	URBAN
				CONSTRUC	TION CODE
				80% FED 20% STATE	80% FED 20% STATE
				BRIDGE	BRIDGE
CODE			TOTAL	0047	0047
NO.	ITEM	UNIT	QUANTITY	S.N. 060-0278	S.N. 060-0279
28100107	STONE RIPRAP, CLASS A4	SQ YD	436	218	218
28200200	FILTER FABRIC	SQ YD	436	218	218
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	2030	1015	1015
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	712	356	356
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	380	190	190
50102400	CONCRETE REMOVAL	CU YD	32.6	16.3	16.3
50157300	PROTECTIVE SHIELD	SQ YD	4072	2036	2036
50300100	FLOOR DRAINS	EACH	16	8	8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	37.4	18.7	18.7
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2520	1260	1260
50800515	BAR SPLICERS	EACH	24	12	12
52000110	PREFORMED JOINT STRIP SEAL	FOOT	176	88	88
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	3768	1884	1884
60260100	INLETS TO BE ADJUSTED	EACH	4	2	2

HMG ENGINEERS, INC.	USER NAME –	DESIGNED -	REVISED			F.A.P. RTE.	SECTION	COUNTY TOTAL SHEET SHEETS NO.
HNG Engineers • Surveyors	PLOT SCALE -	CHECKED DRAWN	REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	310 0	60-10BR-2	MADISON 33 3 CONTRACT NO. 76N15
[618] 526-9611	PLOT DATE	CHECKED	REVISED -		SHEET 1 OF 3 SHEETS		ILLINOIS FED	AID PROJECT
0/2020 10-55-21 444								

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USER NAME =	* SPECIALT		REVISED						F.A.P.	
	*									
	x0320000	DRAINAGE SYSTEM,	NO. 1		EACH	1	1	0		
	78300200	RAISED REFLECTIV	E PAVEMENT MARKER F	REMOVAL	EACH	24	12	12		
	* 78004356	PREFORMED PLASTI	C PAVEMENT MARKING	, TYPE D - INLAID - LINE 6"	FOOT	2310	1155	1155		
	70600350	IMPACT ATTENUATO	RS, RELOCATE (NON-	REDIRECTIVE), TEST LEVEL 3	EACH	2	1	1		
	70600250	IMPACT ATTENUATO	RS, TEMPORARY (NON	- REDIRECTIVE), TEST LEVEL 3	EACH	2	1	1		
	70400200	RELOCATE TEMPORA	RY CONCRETE BARRIE	3	FOOT	1516	758	758		
	70400100	TEMPORARY CONCRE	TE BARRIER		FOOT	1516	758	758		
	70300240					2510	1155	,		
	70300240			2	FOOT	2310	1155	1155		
	70300150	SHORT TERM PAVEM	IENT MARKING REMOVAI	-	SQ FT	156	78	78		
	70300100	SHORT TERM PAVEM	IENT MARKING		FOOT	312	156	156		
	70700100					212	150	150		
	70107025	CHANGEABLE MESSA	GE SIGN		CAL DA	28	14	14		
	70100207	TRAFFIC CONTROL	AND PROTECTION, ST	ANDARD 701402	EACH	2	1	1		
	67100100	MOBILIZATION			L SUM	1	0.5	0.5		
	64200116	SHOULDER RUMBLE	STRIPS, 16 INCH		FOOT	320	160	160		
					с					
	CODE NO .		ITE	M	UNIT	TOTAL QUANT I TY	0047 S.N. 060-0278	0047 S.N. 060-0279		
		T					20% STATE BR I DGE	20% STATE BR I DGE		
							80% FED	80% FED		

BREESE, ILLINOIS 62230 PLOT SCALE 618J 526-9611 PLOT DATE 5/8/2020 10:57:28 AM	DRA CHE	WN - REVISED - CKED - REVISED -	DEPARTMENT OF TRA	NSPORTAT	ON	SHEET 2	2 OF 3 SHEETS		CONTRACT NO. 76N15
HMG ENGINEERS, INC 9360 HOLY CROSS LANE	DES	NGNED - REVISED - CKED - REVISED -	STATE OF ILI	INOIS		SUMMARY	OF QUANTITIES	F.A.P. RTE. SEC 310 60-10	TION COUNTY TOTAL SHEET SHEETS NO. BR-2 MADISON 33 4
	* SPECIALTY	ITEM							
	x0320000	DRAINAGE SYSTEM, NO. 1		EACH	1	1	0		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOV	VAL	EACH	24	12	12		
	* /8004356	PREFORMED PLASTIC PAVEMENT MARKING, TY	PED - INLAID - LINE 6"	FUOT	2310	1155	1155		
				FOOT	2210	1155	1155		
	70600350	IMPACT ATTENUATORS, RELOCATE (NON- RED	IRECTIVE), TEST LEVEL 3	EACH	2	1	1		
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REI	DIRECTIVE), TEST LEVEL 3	EACH	2	1	1		
,	70400200	RELOCATE TEMPORARY CONCRETE BARRIER		FOOT	1516	758	758		
	70400100	TEMPORARY CONCRETE BARRIER		FOOT	1516	758	758		
	70300240	TEMPORARY PAVEMENT MARKING = LINE 6"		FOOT	2310	1155	1155		
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL		SQ FT	156	78	78		
	70300100	SHORT TERM PAVEMENT MARKING		FOOT	312	156	156		
	70107025	CHANGEABLE MESSAGE SIGN		CAL DA	28	14	14		
	70100207	TRAFFIC CONTROL AND PROTECTION, STANDA	RD 701402	EACH	2	1	1		

				URBAN	URBAN
				CONSTRUC	TION CODE
				80% FED	80% FED
				20% STATE	20% STATE
				BRIDGE	BRIDGE
CODE			TOTAL	0047	0047
NO .	ITEM	UNIT	QUANTITY	S.N. 060-0278	S.N. 060-0279
X0320002	DRAINAGE SYSTEM, NO. 2	EACH	1	0	1
X0324028	GROUT FOR USE WITH RIPRAP	CU YD	9.8	4.9	4.9
X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	1156	578	578
					-
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	8250	4125	4125
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1156	578	578
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	2	1	1
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	200	20	180
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	500	100	400
Z0076600	TRAINEES	HOUR	500	500	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	996	498	498
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	1
Z0049790	RELOCATING NAME PLATES	EACH	2	1	1

Ø 0042

		RIFI	SHEETS NO
STATE OF ILLINOIS	SUMMARY OF QUANTITIES	310 60-10BR-2	MADISON 33 5
DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 76N15
	SHEET 3 OF 3 SHEETS	ILLE	OI\$ FED. AID PROJECT
	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE OF ILLINOIS SUMMARY OF QUANTITIES DEPARTMENT OF TRANSPORTATION SHEET 3 OF 3 SHEETS	STATE OF ILLINOIS SUMMARY OF QUANTITIES 310 60-10BR-2 DEPARTMENT OF TRANSPORTATION SHEET 3 OF 3 SHEETS 11 LIN

REV. - MS

TYPICAL	BRIDGE	APPROACH	SECTION





TYPICAL SECTION

NOTE: LONGITUDINAL JOINT SEALANT SHALL BE APPLIED BETWEEN LANE LINES.

풀 물 티									
E H		USER NAME –	DESIGNED -	REVISED -			FAP SECT	ION	COUNTY TOTAL SHEET
□₩	HMG ENGINEERS, INC. 9360 HOLY CROSS LANE		CHECKED - REVISED -	STATE OF ILLINOIS	TYPICAL SECTIONS	310 60-10BR-	२-2	MADISON 33 6	
ЫŻ Ц	Engineers • Surveyors (418) 526 8611	PLOT SCALE -	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 76N15
P E		PLOT DATE -	CHECKED _	REVISED -		SHEET 1 OF 1 SHEETS	1	ILLINOIS FED. A	D PROJECT
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(4)

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(7)

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(1) EXISTING PCC BRIDGE APPROACH PAVEMENT WITH HMA OVERLAY

PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,

AGGREGATE WEDGE SHOULDER, TYPE B (SEE SCHEDULE FOR LOCATIONS)

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT,

2 EXISTING BITUMINOUS PAVEMENT

EXISTING BITUMINOUS SHOULDER

EXISTING AGGREGATE SHOULDERS

HOT-MIX ASPHALT SHOULDERS

(10) PROPOSED LONGITUDINAL JOINT SEALANT

12.5, N80, 2"

MIX "E", N90 (2" NOM. IN BUTT JOINT)

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)

EXISTING HMA SURFACE REMOVAL AND REPLACEMENT



LOCATION BITUMINOUS MATERIALS (TACK COAT) HOI-MIX ASPHALT SURFACE REMOVAL BUTT JOINT IL-9.5, MIX "E", N90 SHOULDER RUMBLE IL-9.5, MIX "E", N90 STRIPS, 16 INCH STRIPS, 16 INCH	USTED
POUND SQ YD TON FOOT FOOT E	ACH
IL 255 NORTHBOUND (SN 060-0278)	
STA 1785+35.00 TO STA 1785+75.00 80.0 178.0 15.0 80.0 39.0	
SN 060-0278 855.0 160.0 420.0	
<u>STA 1790+03.00 TO STA 1790+43.00 80.0 178.0 15.0 80.0 39.0</u>	2.0
SUBTOTALS 1,015.0 356.0 190.0 160.0 498.0	2.0
L 255 SOUTHBOUND (SN 060-0279)	
S1A 1/85+09:00 10 S1A 1/85+49:00 80:0 178:0 15:0 80:0 39:0 Charles of the state	
SN 060-02/19 855.0 100.0 1200 420.0 420.0 420.0	2.0
STA 1/89+//.00 10 STA 1/90+1/.00 80.0 1/8.0 15.0 80.0 39.0	2.0
SUBTOTALS 1.015.0 356.0 190.0 160.0 498.0	2.0
	2.0
TOTAL 2.030.0 712.0 380.0 320.0 996.0	4 0
USE 2,030 712 380 320 996	4

PAVING & ROADWAY SCHEDULE

PAVEMENT MARKING SCHEDULE

LOCATION	SHORT TERM PA	VEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	M TEMPORARY PAVEMENT MARKING- LINE 6"		TEMPORARY PAVEMENT MARKING REMOVAL	PREFORMED PLASTIC PAVEMENT MARKING TYPE D - INLAID - LINE 6"			RAISED REFLECTIVE PAVEMENT MARKER BEMOVAL	PAVEMENT MARKING REMOVAL- GRINDING
	YELLOW	WHITE		YELLOW SOLID	WHITE SOLID		YELLOW SOLID	WHITE SKIP DASH	WHITE SOLID		
	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	EACH	SQ FT
<u>IL 255 NORTHBOUND (SN 060-0278)</u>											
STA 1785+35.00 TO STA 1790+43.00	52.0	104.0	78.0	507.5	647.5	577.5	507.5	140.0	507.5	12	577.5
IL 255 SOUTHBOUND (SN 060-0279)											
STA 1785+09.00 TO STA 1790+17.00	52.0	104.0	78.0	507.5	647.5	577.5	507.5	140.0	507.5	12	577.5
ΤΟΤΑ	104.0	208.0	156.0	1,015.0	1,295.0	1,155.0	1,015.0	280.0	1,015.0	24	1,155.0
US	3	12	156	2,3	310	1,155		2,310		24	1,155

NOTES: SHORT TERM PAVEMENT MARKING FOR THE CENTERLINE SHALL CONSIST OF A SINGLE DASH.

- 1											
T T	H		USER NAME -	DESIGNED -	REVISED -			F.A.P. RTE	SECTION	COUNTY	TOTAL SHEET
AME.	HMG 🖗	60 HOLY CROSS LANE		CHECKED -	REVISED -	STATE OF ILLINOIS	SCHEDULES	310	60-10BR-2	MADISON	33 7
Ż	Engineers • Surveyors (6	REESE, ILLINOIS 62230	PLOT SCALE -	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRA	CT NO. 76N15
2	1-	,	PLOT DATE -	CHECKED -	REVISED -		SHEET 1 OF 1 SHEETS		ILLINOIS FED. AI	D PROJECT	
-											



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ND PROTECTION 02 - STAGE I		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		60-10BR-2		MADISON	33	8
				CONTRAC	T NO. 7	6N15
1 SHEETS		ILLINOIS	FED. A	ID PROJECT		



ND PROTECTION 02 - STAGE II		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		310 60-10BR-2			33	9
				CONTRAC	Г NO. 7	6N15
1 SHEETS		ILLINOIS	FED. A	ID PROJECT		





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

BUTT JOINT DETAIL

	HMG ENGINEERS, INC	USER NAME -	DESIGNED -	REVISED -			F A P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEF S NO
Ā	HMG 9360 HOLY CROSS LANE		CHECKED -	REVISED -	STATE OF ILLINOIS	MISCELLANEOUS DETAILS	310	60-10BR-2	MADISON	33	10
Engineers • Surveyors (618) 526-9611		PLOT SCALE -	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 76	
		PLOT DATE -	CHECKED -	REVISED -		SHEET 1 OF 1 SHEETS		ILLINOIS FED. AID PROJECT			
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TYPICAL APPLICATION FOR PAVEMENT MARKING



GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid

Reinforcement bars designated (E) shall be epoxy coated.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

The provided quantities of Deck Slab Repair are intended to be used to repair any unsound areas in the bridge deck discovered during construction of the Expansion Joints. Deck slab areas to be repaired shall be designated by the Engineer, and marked on the as-built plans.

Bridge deck concrete sealer shall be placed on top/inside faces of parapet (full length) and wingwalls, on top of new concrete at joints, 2'-9" wide abutment seats and a vertical 2' face of the cap below the seats.

Hot-mix asphalt surface course overlay for the bridge deck shall be constructed in accordance with applicable portions of Section 582 of the Standard Specifications. Waterproofing Membrane System for the bridge shall be in accordance with material and construction requirements of the applicable portions of Section 581 of the Standard Specifications.

Concrete deck shall be cleaned to the satisfaction of the Engineer before placing Waterproofing Membrane System.

Bridge Deck Sealer shall not be applied to surfaces to which Membrane Waterproofing System is applied.

Existing name plates shall be removed, cleaned and incorporated into new construction. Cost included with Relocating Name Plates.

Prior to pouring new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

The deck surface shall have its final finish tined according to Article 120.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.

€ Southbound Lanes & Stage Construction Line

> ♀ Northbound Lanes & Stage Construction Line

TOTAL BILL OF MATERIAL FOR TWO STRUCTURES

7		

ITEM	UNIT	QUANTITY
Stone Riprap, Class A4	Sq Yd	436
Filter Fabric	Sq Yd	436
Polymerized Bituminous Materials (Tack Coat)	Pound	1,710
Polymerized Hot-Mix Asphalt Surface Course., 1L-9.5, Mix "E", N90	Ton	320
Concrete Removal	Cu Yd	32.6
Protective Shield	Sq Yd	4,072
Floor Drains	Each	16
Concrete Superstructure	Cu Yd	37.4
Reinforcement Bars, Epoxy Coated	Pound	2,520
Bar Splicers	Each	24
Preformed Joint Strip Seal	Foot	176
Waterproofing Membrane System	Sq Yd	3,768
Grout For Use With Riprap	Cu Yd	9.8
Bridge Deck Concrete Sealer	Sq Ft	8,250
Deck Slab Repair (Full Depth, Type I)	Sq Yd	2
Deck Slab Repair (Full Depth, Type II)	Sq Yd	200
Deck Slab Repair (Partial)	Sq Yd	500
Drainage System, N1	Each	1
Drainage System, N2	Each	1
Longitudinal Joint Sealant	Foot	840
Relocating Name Plates	Each	2

ELEVATION SN 060-0279 (SB)		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		60-10BR-2		MADISON	33	11
		CONTRACT NO. 76N15				
SHEETS		ILLINOIS FE	ED. AII	D PROJECT		



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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.

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 $\frac{3}{16}$ " 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.



Rolled	rail	shown,	welded	rail	similar.

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail

groove shall be free of weld residue.

<u>BILL</u> (OF №	1ATERIAL	
STRUCTURE	NO.	060-0278	(NB)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	88

BILL OF MATERIAL STRUCTURE NO. 060-0279 (SB)

Item	Unit	Total
Preformed Joint Strip Seal	Foot	88

STRIP SEAL		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		60-10BR-2		MADISON	33	14
511 000-0215 (5b)				CONTRAC	T NO. 7	6N15
1 SHEETS		ILLINOIS F	ED. A	ID PROJECT		



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SHEET 5 OF

BILL OF MATERIAL STRUCTURE NO. 060-0278 (NB)

Bar	No.	Size	Length	Shape
a(E)	4	#6	20'-2"	
a1(E)	4	#6	24'-4"	
d(E)	12	#5	3'-0"	J
d1(E)	12	#5	2'-7"	7
d2(E)	12	#4	3'-0"	J
d3(E)	12	#4	3'-11"	Ĺ
h(E)	8	#5	18'-8''	
h1(E)	8	#5	22'-10"	
u(E)	86	#5	1'-11''	
h(E)	80	#5	4'-1"	
Concrete Removal		Cu Yd	16.3	
Concrete			Cu Yd	187
Superstructure			0.14	
Reinforcement Bars,			Pound	1.260
Epoxy	Coated		. cana	1,200
Bar S	olicers		Each	12

BILL OF MATERIAL STRUCTURE NO. 060-0279 (SB)

Bar	No.	Size	Length	Shape
a(E)	4	#6	20'-2"	
a1(E)	4	#6	24'-4"	
d(E)	12	#5	3'-0"	J
d1(E)	12	#5	2'-7"	1
d2(E)	12	#4	3'-0"	J
d3(E)	12	#4	3'-11"	Ĺ
h(E)	8	#5	18'-8''	
h1(E)	8	#5	22'-10"	
u(E)	86	#5	1'-11''	
h(E)	80	#5	4'-1"	
Concrete Removal		Cu Yd	16.3	
Concrete		Cu Yd	187	
Superstructure		curu	10.7	
Reinforcement Bars,		Pound	1 260	
Epoxy	Coated		rounu	1,200
Bar S	olicers		Each	12

ILL OF MATERIAL		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SN 060-0279 (SB)	310	60-10BR-2		MADISON	33	15
SN 000-0215 (SD)				CONTRAC	T NO. 7	6N15
11 SHEETS		ILLINOIS	FED. A	ID PROJECT		



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11 L M		TUTAL
Stone Riprap, Class A4	Sq Yd	218
Filter Fabric	Sq Yd	218
Grout for use with Riprap	Cu Yd	4.9
Floor Drains	Each	8
Drainage System, N1	Each	1

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	218
Filter Fabric	Sq Yd	218
Grout for use with Riprap	Cu Yd	4.9
Floor Drains	Each	8
Drainage System, N2	Each	1

M DETAILS	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SN 060-0279 (SB)	310	60-10BR-2		MADISON	33	16
511 000-0215 (5b)				CONTRAC	T NO. 7	6N15
1 SHEETS		ILLINOIS	FED. A	ID PROJECT		





(All components shall be provided from one supplier)

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.

STRUCTURE NO. 060-0278 (NB)

Location	Bar size	No. assemblies required	Minimum Iap length
N. Abut. Deck	#6	2	3'-10"
N. Abut. Backwall	#5	4	3'-3''
S. Abut. Deck	#6	2	3'-10"
S. Abut. Backwall	#5	4	3'-3''

STRUCTURE NO. 060-0279 (SB)

Location	Bar size	No. assemblies required	Minimum Iap length
N. Abut. Deck	#6	2	3'-10"
N. Abut. Backwall	#5	4	3'-3"
S. Abut. Deck	#6	2	3'-10"
S. Abut. Backwall	#5	4	3'-3"



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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H H H		USER NAME =	DESIGNED -	REVISED -		RAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS	F.A.P. RTE	SECTION	COUNTY	TOTAL	SHEET
- W	HING ENGINEERS, INC. 9360 HOLY CROSS LANE		CHECKED -	REVISED -	STATE OF ILLINOIS	ON OCO 0070 (ND) AND ON OCO 0070 (OD)	310	60-10BR-2	MADISON	33	17
	BREESE, ILLINOIS 62230	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	2M 060-0218 (NB) AND 2M 060-0219 (2B)			CONTRACT	T NO. 7f	3N15
IOW II	PLOT DATE =	CHECKED -	REVISED -		SHEET 7 OF 11 SHEETS		ILLINOIS FED. AI	D PROJECT			



STANDARD MECHANICAL SPLICER

Location	Bar	No. assemblies
	size	requirea

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.





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reinforcement to accommodate the installation of the retainer assemblies.

beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart,

FOR STAGE CONSTRUCTION SN 060-2079 (SB)		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		60-10BR-2		MADISON	33	19
				CONTRAC	Г NO. 7	6N15
1 SHEETS	ILLINOIS FED. AID PROJECT					

SHEET 9 OF 1



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

(618) 526-9611

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STRUCTURE NO. 06 SHEET 10 OF 1

ITEM	UNIT	QUANTITY
Deck Slab Repair (Full Depth, Type II)	Sq Yd	20
Deck Slab Repair (Partial)	Sq Yd	100

AN - AS BUILT		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0_0278 (NR)		60-10BR-2	MADISON	33	20
0-0278 (NB)			CONTRAC	T NO. 7	6N15
1 SHEETS		ILLINOIS FED. A	ID PROJECT		



AN - AS BUILT		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0_0279 (SB)		60-10BR-2	MADISON	33	21
JO-0215 (SB)			CONTRAC	T NO. 7	6N15
1 SHEETS		ILLINOIS FED. A	ID PROJECT		



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	ROUTE NO SI	ECTION	COUNTY	TOTAL	-
Ϋ, .	FAP 310 60-	-10B-1	MADISON	37	9
π ¹ = .	FED ROAD D.ST	NO 7	LLINOIS PROJECT		-
			SHEET I C	F 24	
		-			

. 060-0278 & 060-0279 ION ONLY)		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		60-10BR-2	MADISON	33	23
			CONTRAC	T NO. 7	6N15
2 SHEETS	ILLINOIS FED. AID PROJECT				

GIRDER 5

Station

Location

Bk. of S. abut.

WEST LONGITUDINAL BONDED CONSTR. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grac Elevations Adjust For Dead Load Deflection
Bk. of S. abut.	1785+44.38	-28.00	452.683	452.683
CL Brg. S. ebut.	1785+47.13	-28.00	452.655	452.655
A	1785+57.13	-28.00	452.553	452.587
в	1785+67.13	-28.00	452.451	452.513
c	1785+77.13	-28.00	452.348	452.428
D	1785+87.13	-28.00	452.246	452.329
E	1785+97.13	-26.00	452.144	452.218
F	1786+07.13	-26.00	452.042	452.096
G ·	1786+17.13	-28.00	451.940	451.972
н	1786+27.13	-28.00	451.837	451.849
CL Pier 1	1786+39.63	-28.00	451.710	451.710
,	1786+49.63	-28.00	451.607	451.617
J	1786+59.63	-28.00	451.505	451.535
ĸ	1796+69.63	-28.00	451.403	451.458
L	1786+79.63	-28.00	451.301	451.379
м	1786+89.63	-28.00	451.199	451.292
N	1786+99.63	-28.00	451.096	451:194
0	1787+09.63	-28.00	450.994	451.084
P	1787+19.63	-28.00	450.892	450.96 5
0	1787+29.63	-28.00	450.790	450.839
R	1787+39.63	-28.00	450.698	450.712
S	1787+49.63	-28.00	450.585	450.592
CL Pier 2	1787+58.13	-28.00	450.499	4 50.499
т	1787+68.13	-26.00	450.396	450.404
U	1787+78.13	-28.00	450.294	450.321
v	1787+88.13	-28.00	450.192	450.243
•	1787+98.13	-26.00	450.090	450.164
x	1788+08.13	-28.00	449.968	450.079
Y Y	1788+18.13	-28.00	449.865	449.982
Z	1788+28.13	-26.00	449.783	44 9.874
AA	1788+38.13	-28.00	449.681	449.756
86	1788+48.13	-28.00	449.579	449.630
æ	1788+58.13	-28.00	440.477	449.503
00	1788+ 6 8.13	-28.00	449.374	449.381
CL Pier 3	1788+76.63	-26.00	449.268	449.288
E	1788+86.63	-28.00	449.185	449.193
#	1788+96.63	-28.00	449.083	449.110
GG	1789+00.63	-28.00	448.987	449.031
HH I	1/89+16.63	-28.00	448.879	448.950
",	1700+20.03	-28.00	448.///	448.859
30 M	1780+46.60	-20.00	446.0/4	448.756
	1790+58 83	-20.00	448.470	448.040
CIBm Nabut	1780+80 19	-28.00	448 342	440.312
	1700 - 74 00	20.00	110.072	440.042
BK. OF N. BOUT.	1789+71.88	-28.00	448.314	448.314

GIRDER 4	
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4			Offeet	Grade Elevations	For Dead Load Deflection
6	Bik. of S. abut.	1785+47.73	-17.71	452.831	452.831
	CL Brg. S. abut.	1785+50.48	-17.71	452.802	452.802
		1785+60.48	-17.71	452.700	452.735
1	В	1785+70.48	-17.71	452.598	452.660
	С	1785+80.48	-17.71	452.496	452.575
	D	1785+90.48	-17.71	452.394	452.477
	E	1796+00.48	-17.71	452.291	452.366
	F	1796+10.48	-17.71	452.189	452.245
	G	1796+20.48	-17.71	452.087	452.120
	н	1786+30.48	-17.71	451.985	451.997
	CL Pier 1	1786+42.98	-17.71	451.857	451.857
	1	1796+52.98	-17.71	451.755	451.784
	J	1786+62.98	-17.71	451.653	451.682
	ĸ	1786+72.98	-17.71	451.550	451. 6 05
	L	1796+82.98	-17.71	451.448	451.526
	м	1786+92.98	-17.71	451.346	451.439
	N	1787+02.98	-17.71	451.244	451.341
	0	1787+12.98	-17.71	451.142	451.232
	P	1787+22.98	-17.71	451.039	451.112
	Q	1787+32.96	-17.71	450.937	450.986
	R	1787+42.98	-17.71	450.835	450.860
	s	1787+52.98	-17.71	450.733	450.739
	CL Pier 2	1787+81.48	-17.71	450.64 6	450.646
	.7	1787+71.48	-17.71	450.544	450.552
	ับ	1787+81.48	-17.71	450.442	450.468
	v	1787+91.48	-17.71	450.339	450.390
	w	1788+01.48	-17.71	450.237	. 450.312
	x	1788+11.48	-17.71	450.135	450.226
	Ϋ́Υ	1788+21.48	-17.71	450.033	450.130
	Z	1788+31.48	-17.71	449.931	450.022
	*	1788+41.48	-17.71	449.828	449.903
	BB	1788+51.48	-17.71	449.726	449.777
	CC	1788+61.48	-17.71	449.624	449.550
	DD	1788+71.48	-17.71	449.522	449.529
	CL Pier 3	1788+79.98	-17.71	449.435	449.435
	EE	1788+89.98	-17.71	449.333	449.341
	FF	1788+99.98	-17.71	449.231	449.258
	GG	1789+09.98	-17.71	449.128	449.179
	нн	1789+19.98	-17.71	449.026	449.097
	H	1789+29.98	-17.71	448.924	449.006
	30	1789+39.98	-17.77	448.822	448.904
	KK	1789+49.98	-17.77	448.720	440.700
		1/89+58.98	-17.77	440.01/	440.000
1	L Brg. N. abut.	1789+72.48	-17.71	448.490	448.490
L	Bk. of N. abut.	1789+75.23	-17.71	448.461	448.461

CL Brg. S. abut.	1785+48.07	-25.13	452.705	452.705
A .	1785+58.07	-25.13	452.603	452.638
B	1785+68.07	-25.13	452.501	452.563
c	1785+78.07	-25.13	452.399	452.478
D	1785+88.07	-25.13	452.297	452.380
E	1785+98.07	-25.13	452.194	452.269
F	1786+08.07	-25.13	452.092	452.148
G	1786+18.07	-25.13	451.990	452.023
н	1786+28.07	-25.13	451.888	451.900
CL Pier 1	1786+40.57	-25.13	451.780	451.760
1	1786+50.57	-25.13	451.658	451.667
J	1796+80.57	-25.13	451.556	451.585
ĸ	1786+70.57	-25.13	451.453	451.508
L	1786+80.57	-25.13	451.351	451.429
M	1786+90.57	-25.13	451.249	451.342
N	1787+00.57	-25.13	451.147	451.244
0	1787+10.57	-25.13	451.045	451.135
P	1787+20.57	-25.13	450.942	451.015
Q	1787+30.57	-25.13	450.840	450.889
R	1787+40.57	-25.13	450.738	450.763
S	1787+50.57	-25.13	450.636	450.642
CL Pier 2	1787+59.07	-25.13	450.549	450.549
r	1787+69.07	-25.13	450.447	450.454
U	1787+79.07	-25.13	450.345	450.371
v	1787+89.07	-25.13	450.242	450.293
w	1787+99.07	-25.13	450.140	450.215
x	1798+09.07	-25.13	450.038	450.129
Ŷ	1788+19.07	-25.13	449.936	450.033
z	1788+29.07	-25.13	449.834	449.925
AA	1788+39.07	-25.13	449.731	449.806
BB	1788+49.07	-25.13	449.629	449.680
œ	1788+59.07	-25.13	449.527	449.553
DO	1788+69.07	-25.13	449.425	449.432
CL Pier 3	1788+77.57	-25.13	449.338	449.338
EE	1788+87.57	-25.13	449.236	449.244
FF	1788+97.57	-25.13	449.133	449.16 1
GG	1789+07.57	-25.13	449.031	449.082
нн	1789+17.57	-25.13	448.929	449.000
Ħ	1789+27.57	-25.13	448.827	448.909
J	1789+37.57	-25.13	448.725	448.806
кк	1789+47.57	-25.13	448.622	448.691
ц	1789+57.57	-25.13	448.520	448.563
CL Brg. N. abut.	1789+70.07	-25.13	448.393	448.393
Bk. of N. abut.	1789+72.82	-25.13	448.364	448.364

Theoretical Grade

Elevations Adjusted

For Dead Load

Deflection

452.733

Theoretica

Gracie Elevations

Offeet

1785+45.32 -25.13 452.733

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HODDEL Engi	ngineers • Surveyors (418) 524 0411	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	(FOR INFORMATIO	
	010/ 520-9011	PLOT DATE =	CHECKED -	REVISED -		SHEET 3 OF 12	
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	Metros	COL 1117	TOTAL	845
			SHEETS	NO
FAP310	60-10B-1	MADISON	37	15
FED ROAD	DIST NO 7	ILLINOIS PROJECT		
		SHEET 7	OF 24	

GIRDER 6								
	1	Τ.	T	Theoretical Grade				
			Theoretica/	Elevations Adjusted				
Location	Station	Offset	Grada	For Dead Load				
			Elevations	Deflection				
Bk. of S. abut.	1785+42.91	-32.54	452.698	452.698				
CL Brg. S. abut.	1785+45.66	-32.54	452.575	452.5 75				
A	1785+55.66	-32.54	452.473	452.508				
' B	1785+65.66	-32.54	452.371	452.433				
c	1785+75.66	-32.54	452.209	452.348				
D	1785+85.66	-32.54	452.167	452.250				
E	1785+95.66	-32.54	452.064	452.139				
F	1796+05.66	-32.54	451.962	452.018				
G	1786+15.66	-32.54	451.860	451.893				
н	1786+25.66	-32.54	451.758	451.770				
CL Pier 1	1786+38.16	-32.54	451.630	451.630				
1	1786+48.16	-32.54	451.528	451.537				
J	1796+58.16	-32.54	451.426	451.455				
ĸ	1786+68.16	-32.54	451.323	451.378				
L	1786+78.16	-32.54	451.221	451.299				
м	1786+88.16	-32.54	451.119	451.212				
N	1786+98.16	-32.54	451.017	451.114				
o	1787+08.16	-32.54	450.915	451.005				
Р	1787+18.16	-32.54	450.812	450.88 5				
Q	1787+28.16	-32.54	450.710	450.759				
R	1787+38.16	-32.54	450.608	450.633				
S	1787+48.16	-32.54	450.506	450.512				
CL Pier 2	1787+56.66	-32.54	45 0.419	450.419				
7	1787+66.66	-32.54	450.317	450.324				
U	1787+76.66	-32.54	450.215	450.241				
v	1787+86.66	-32.54	450.112	450.163				
w	1787+96.06	-32.54	450.010	450.08 5				
x	1788+06.66	-32.54	449.906	449.999				
r	1788+16.66	-32.54	449.806	449.903				
z	1788+26.66	-32.54	449.704	449.795				
A	1788+36.66	-32.54	449.601	449.676				
BB	1788+ 46 .66	-32.54	449.499	449.550				
20	1788+56.66	-32.54	449.397	449.42 3				
00	1788+06.66	-32.54	449.295	449.302				
CL Pier 3	1788+75.16	-32.54	449.208	449.208				
EE	1788+85.16	-32.54	449.106	449.114				
FF	1788+95.16	-32.54	449.00 3	449.031				
GG	1789+05.16	-32.54	448.901	448.952				
HH	1789+15.16	-32.54	448.799	448.870				
Ű	1789+25.16	-32.54	448.6 97	448.779				
J	1789+35.16	-32.54	448.595	448.677				
ĸĸ	1789+45.16	-32.54	448.492	448.561				
ш	1789+55.16	-32.54	448.390	448.433				
CL Brg. N. abut.	1789+67.66	-32.54	448.263	448.263				
Bk. of N. abut.	1789+70.41	-32.54	448.234	448.234				

			ATIONS TT	(0.0.)	4	
	DECK ELEVATIONS IV (S.B.L.)					
		<u>FA.P.RT.3</u>	10 SEC. 60-	-10 B-	_	
		MADIS	SON COUNT	Y		
	STA. 1787+76.00					
FOR INFORMATION	<u>ST</u>	R. NOS. 060-0	278(N.B.) & O	60-02	.79 (S.I	
ONLY		HSIONG	ASSOCIATE	S LTD		
		DESIGNED P.M.L.	CHECKED PYLL	· · · · · · · · · · · · · · · · · · ·		
		DRAWN A.E. & C.L.	DATE 2/3/93	NO. H	-070	
. 060-0278 & 060-0279	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	310	60-10BR-2	MADISON	33	$\overline{24}$	
	_		CONTRAC	T NO. 7	6N15	
12 SHEETS		ILLINOIS F	ED. AID PROJECT			



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SHEET 5 OF 12 SHEETS



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. 060-0278 & 060-0279		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		310 60-10BR-2		MADISON	33	28
				CONTRAC	T NO. 7	6N15
2 SHEETS	ILLINOIS FED. AID PROJECT					



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L								
H		USER NAME =	DESIGNED -	REVISED -		EXISTING BRIDGE PLANS - S.N. 060-0278 & 060-0279	F.A.P. SECTION	COUNTY TOTAL SHEET
O W	HMG ENGINEERS, INC. 9360 HOLY CROSS LANE		CHECKED - REVISED -		STATE OF ILLINOIS		310 60-10BR-2	MADISON 33 31
D D	Engineers • Surveyors (618) 526-9611	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	(FOR INFORMATION UNLT)		CONTRACT NO. 76N15
MO	(010) 520 7011	PLOT DATE =	CHECKED -	REVISED -		SHEET 10 OF 12 SHEETS	ILLINOIS FED.	AID PROJECT
-	1/27/2020 F-21-FC PM							

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TABLE OF ELEVATIONS									
	Elev.A	Elev.B	Elev.C	Elev.D	Elev.E	Elev.F			
S.B.L.	446. 63	446.76	446.86	446.86	446.76	446.60			
N.B.L.	446.24	446 42	446.57	446. 65	446.56	446,45			



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

(618) 526-9611

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TABLE OF ELEVATIONS							
	Elev.A	Elev.B	Elev.C	Elev.D	Elev.E	Elev.F	
S.B.L.	445.59	445.72	445.81	445.81	445.71	445.55	
N.B.L.	445.19	445.37	445.52	445.60	445.5/	445.40	





060-0278 & 060-0279		SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		60-10BR-2		MADISON	33	32
				CONTRACT	Г NO. 7	6N15
2 SHEETS	ILLINOIS FED. AID PROJECT					



HMG ENGINEERS, INC 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 (618) 526-9611	USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - CHECKED - DRAWN - CHECKED -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS - S.N. ((FOR INFORMATIC
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SHEETS

CONTRACT NO. 76N15