FOR INDEX OF SHEETS, SEE SHEET NO. 2

MAPLE GROVE ROAD 1850 (ACTUAL)

1900 (ESTIMATED)

2300 (ESTIMATED)

8.0 4.3

LOCATION

2019 ADT

2029 ADT

MU%

50%

0

0

0

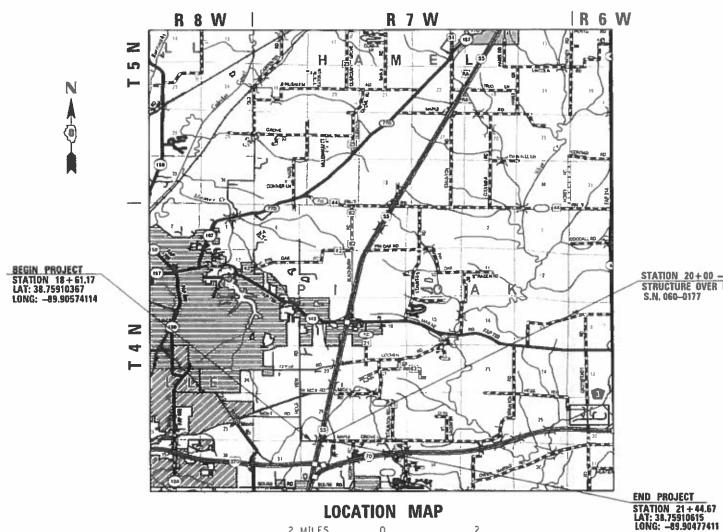
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI ROUTE 55 (I-55) BRIDGE REPAIR - CM

SECTION 60-1B-R-1 **MADISON COUNTY** C-98-013-19



2 MILES

GROSS LENGTH = 283.5 FT. = 0.053 MILE

NET LENGTH = 283.5 FT. = 0.053 MILE TOWNSHIP: PIN OAK

STATION 20+00 - MAPLE GROVE RD. STRUCTURE OVER 1-55 S.N. 060-0177

> STATE OF PLLINOIS DEPARTMENT OF TRANSPORTATION

OF THE STATE OF ILLINOIS

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.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: TIM PADGETT (618)346-3325 PROJECT MANAGER: DIANA MURRAY (618) 346-3207

CONTRACT NO. 76M05

D-98-010-19

MADISON 11 1

CONTRACT NO. 76M05

LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY

INDEX OF SHEETS

- INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
- **SUMMARY OF QUANTITIES**
- TYPICAL SECTIONS
- SCHEDULE OF QUANTITIES
- PLAN SHEET DETAILS
- **BRIDGE PLANS**

STANDARDS

000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

DECIMAL OF AN INCH AND OF A FOOT 001006

420001-09 **PAVEMENT JOINTS**

CLASS C AND D PATCHES 442201-03

SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
STEEL PLATE BEAM GUARDRAIL
TRAFFIC BARRIER TERMINAL, TYPE 6A 630301-09

630001-12

631032-09

701400-09 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY

LANE CLOSURE FREEWAY/EXPRESSWAY 701401-12

701428-01 TRAFFIC CONTROL SETUP AND FREEWAY/EXPRESSWAY

701901-08

TRAFFIC CONTROL DEVICES
OBJECT AND TERMINAL MARKERS 725001-01

GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

BLR 21-9 TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION

OF RURAL LOCAL ROADS

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY, AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
*AT&T ILLINOIS – (COMMUNICATIONS)	X	X
*CHARTER COMMUNICATIONS, INC. – (CABLE TV)	X	X
*ILLINOIS AMERICAN WATER COMPANY - (WATER)		X
*LEVEL 3 COMMUNICATIONS, LLC – (COMMUNICATIONS)	X	X
*VERIZON BUSINESS – (COMMUNICATIONS)	X	X
*SOUTHWESTERN ELECTRIC COOPERATIVE, INC. (ELECTRIC) X	X

MEMBERS OF J.U.L.I.E. (800-892-0123 OR 811) ARE INDICATED BY AN *. NON-JULIE MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED ON THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWIN IN THE PLANS WERE CREATED USING RECORD PLANS AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
- 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 4. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 5. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB—CONTRACTORS TO HIRE MINORITY, 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 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

- 6. AN ESTIMATED QUANTITY OF AGGREGATE SHOULDER (SPECIAL) 96 TONS IS USED FOR INSTALLING TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT. THIS QUANTITY WAS CALCULATED BASED ON THE EXISTING
 4:1 SLOPE AT EDGE OF PAVEMENT WITH A PROJECTED 10:1 FOR 4 FEET THEN A 3:1 TO TIE INTO THE EXISTING SIDE SLOPE. THIS CROSS-SECTIONAL AREA WAS ESTIMATED AS 3.6 SQ FT.
- 7. DELIVER 200 FEET EACH OF USED GUARDRAIL INCLUDING POSTS, BLOCK OUTS, NUT BOLTS, ETC. TO THE FOLLOWING YARDS:

*PIERRON YARD (TROY)

INTERCHANGE OF I-70 AND US 40 (EXIT 30/PIERRON EXIT)

CONTACT: DARION DOUGLAS - (618)667-0720

*HAMEL YARD **6284 HAMEL DRIVE HAMEL, IL 62046**

CONTACT: DUANE BEISER - (618)633-2206

- 8. ROADWAY COMMISSIONER ROBERT HELMS, MADISON COUNTY ENGINEER MARK GVILLO, TRIAD SCHOOL DISTRICT AND ALL OTHER PERTINENT BUSINESSES AS LISTED BELOW MUST BE NOTIFIED BY THE RESIDENT ENGINEER TWO WEEKS PRIOR TO THE TEMPORARY ROAD CLOSURE OF MAPLE GROVE ROAD OVER I-55.
 - * ROADWAY COMMISSIONER ROBERT HELMS (PIN OAK TOWNSHIP) 618-410-2136 7835 GOSHEN ROAD, EDWARDSVILLE, IL 62025
 - * MADISON COUNTY ENGINEER MARK GVILLO 618-296-4540 7037 MARINE ROAD, EDWARDSVILLE, IL 62025
 - * SUPERINTENDENT LEIGH LEWIS (TRIAD SCHOOL DISTRICT) 201 E. THROP STREET, TROY, IL 62294
 - * CHIEF RICK MCCURDY (TROY FIRE DISTRICT) 116 W. CLAY STREET, TROY, IL 62294
 - * SHERIFF JOHN D. LAKIN (MADISON COUNTY) 405 RANDLE STREET, EDWARDSVILLE, IL 62025

COMMITMENTS

MIXTURE REQUIREMENTS

ROUTE	FAI 55
SECTION	60-1B-R-1
COUNTY	MADISON
CONTRACT	76M05

	CONTRACT MAINTENANCE - BRIDGE REPAIR - SN 060-0177 - BRIDGE DECK
DESCRIPTION	SCARIFICATION AND MICROSILICA OVERLAY – MAPLE GROVE ROAD OVER 1–55.

ADT (CONSTRUCTION YR):	1900
MU%	0.8
SU%	4.3
20 YR. ESAL'S:	0.21

	PATC	HING				
MIXTURE USE	BINDER (6")	SURFACE (2")	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"		
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22		
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION		
DESIGN AIR VOIDS			4.0% @ Ndes = 30	4.0% @ Ndes = 30		
MIX COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5L	IL 19.0L	IL 9.5L		
FRICTION AGG	ALITY MGMT					
QUALITY MGMT PROGRAM			QC/QA	QC⁄QA		

PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25 MM THICKNESS).

SCALE:

REV. - MS

DESIGNED REVISED USER NAME =murray da DRAWN REVISED CHECKED REVISED PLOT DATE = 10/25/2018 DATE REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION INDEX OF SHEETS, HIGHWAY STANDARDS MADISON 11 55 60-1B-R-1 **GENERAL NOTES & COMMITMENTS** CONTRACT NO. 76M05 SHEET 1 OF 1 SHEETS STA. TO STA. I LLINDS FE DAID P ROJECT

100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0047 060-0177	
42001300	PROTECTIVE COAT	SQ YD	537	537	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	177.8	177.8	
50157300	PROTECTIVE SHIELD	SQ YD	236	236	
50300100	FLOOR DRAINS	EACH	12	12	
50300260	BRIDGE DECK GROOVING	SQ YD	492	492	
50900200	STEEL RAILING, TYPE 2399	FOOT	407	407	
58700300	CONCRETE SEALER	SQ FT	330	330	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	138	138	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	1875	1875	
67100100	MOBILIZATION	L SUM	1	1	
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1	
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	

★ SPECIALTY ITEM

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE:

	_					F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES				55	60-1B-R-1	MADISON	11	3		
								CONTRACT	Γ NO. 76	5M05
	CUEET 1	OE 2	SHEETS	CTA	TO CTA		THI INDIE LEED A	ID DDOIECT		

REV. - MS

FILE NAME: pw:\\IL084EBIDINTEG.IIIInols.gc

MODEL: \$MODELNAME\$

100%	CONSTR. COD
STATE	

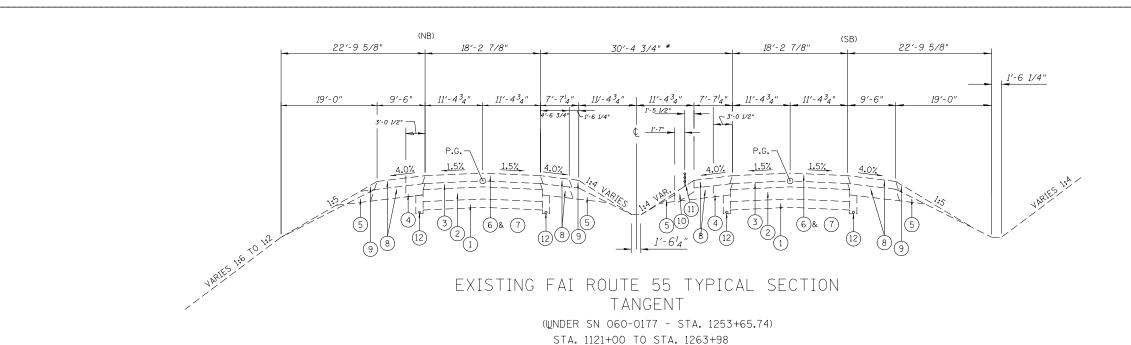
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0047 060-0177	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	600	600	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8	
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	6	6	
X4811900	AGGREGATE SHOULDERS (SPECIAL)	TON	96	96	
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	2039 60 537	2039	
X6060505	CONCRETE CURB (SPECIAL)	FOOT		60	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD		537	
Z0012166	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"	SQ YD	536	536	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	4	4	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	20	20	
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	80	80	
Z0041895	POLYMER CONCRETE	CU FT	4.6	4.6	

* SPECIALTY ITEM

REV. - MS

USER NAME = murrayda	DESIGNED	REVISED
	DRAWN	REVISED
PLOT SCALE = 2.0000 ' / in.	CHECKED	REVISED
PLOT DATE = 10/25/2018	DATE	REVISED

SCALE: _

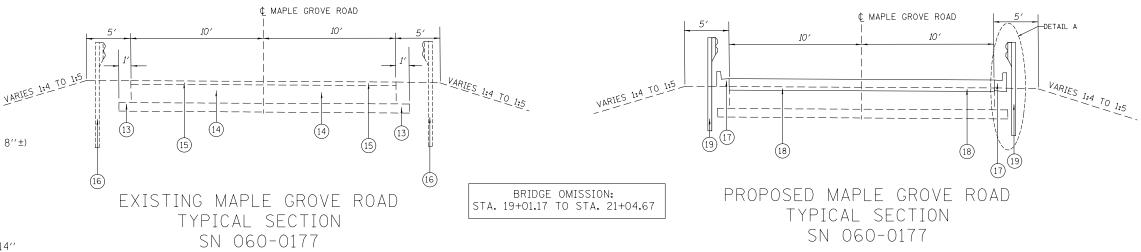


STA. 18+71.17 TO STA. 21+34.67

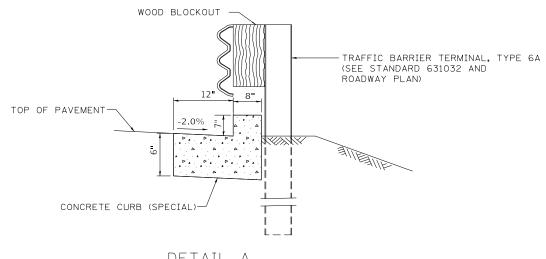
* MEDIAN WIDTH VARIES 40' TO 32' TO 40' STA. 1184+99.83 TO STA. 1195+11.78

LEGEND

- (1) EXISTING GRANULAR SUB-BASE 7"
- EXISTING PCC PAVEMENT 10"
- EXISTING HMA SURFACE COURSE (VARIES 3"± TO 8"±)
- 4 EXISTING HMA BASE COURSE 12"
- (5) EXISTING AGGREGATE SHOULDER, TYPE A
- EXISTING HMA SURFACE COURSE 2"
- EXISTING HMA BINDER COURSE. VARIES 91/2" 14"
- EXISTING HMA SHOULDER (VARIABLE THICKNESS)
- 9 EXISTING AGGREGATE SHOULDER, TYPE B
- 10 EXISTING RIPRAP, CLASS A2, (6"THICK) WITH FILTER FABRIC
- 11 EXISTING CABLE BARRIER
- EXISTING PIPE UNDERDRAINS 6"
- (13) EXISTING GRANULAR SUB-BASE, TYPE A 6"
- (14) EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, TYPE A
- EXISTING BITUMINOUS SURFACE TREATMENT, SUBCLASS A-3
- (16) EXISTING GUARDRAIL
- 17 PROPOSED CONCRETE CURB (SPECIAL)
- (18) PROPOSED CLASS D PATCHES, TYPE IV, 8 INCH
- 19 PROPOSED GUARDRAIL



STA. 18+71.17 TO STA. 21+34.67



DETAIL A

PLOT DATE = 10/25/2018	DATE	REVISED	
PLOT SCALE = 15.1875 ' / in.	CHECKED	REVISED	
	DRAWN	REVISED	
USER NAME = murrayda	DESIGNED -	REVISED -	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION **TYPICAL SECTIONS** 60-1B-R-1 MADISON 11 CONTRACT NO. 76M05 SHEET 1 OF 1 SHEETS STA.

GUARDRAIL SCHEDULE										
LOCATION	STEEL PLATE BEAM GUARDRAIL REMOVAL	*LENGTH OF NEED	STEEL PLATE BEAM GUARDRAIL	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL)	TRAFFIC BARRIER TERMINAL, TYPE 6A	**AGGREGATE SHOULDER (SPECIAL)	GUARDRAIL REFLECTORS TYPE A	***BARRIER WALL MARKERS TYPE C	TERMINAL MARKER DIRECT APPLIED	
	FOOT	FOOT	FOOT	EACH	EACH	TON	EACH	EACH	EACH	
NE QUADRANT	412.5	110	37.5	1	1	24	2		1	
NW QUADRANT	537.5	100	25.0	1	1	24	2		1	
SE QUADRANT	400.0	85	12.5	1	1	24	2		1	
SW QUADRANT	525.0	135	62.5	1	1	24	2		1	
NORTH SIDE								3		
SOUTH SIDE								3		
TOTAL	1875		138	4	4	96	8	6	4	

^{*} SEE PLAN SHEET 7 FOR LENGTH OF NEED DETAIL.

^{**} SEE GENERAL NOTE 6 ON SHEET 2 FOR ESTIMATE OF AGGREGATE SHOULDER (SPECIAL).
*** BARRIER WALL MARKERS, TYPE C SHALL BE MOUNTED ON EACH BRIDGE RAIL AT BOTH ENDS AND IN THE CENTER.

PATCH SCH	HEDULE
LOCATION	CLASS D PATCHES TYPE IV 8 INCH
SN 060-0177	SQ YD
EASTBOUND	88.9
WESTBOUND	88.9
TOTAL	177.8

CONCRETE CL	IRB SCHEDULE
LOCATION	CONCRETE CURB (SPECIAL)
SN 060-0177	FOOT
NE QUADRANT	15
NW QUADRANT	15
SE QUADRANT	15
SW QUADRANT	15
TOTAL	60

USER NAME = murrayda	DESIGNED	REVISED
	DRAWN	REVISED
PLOT SCALE = 2.0000 / in.	CHECKED	REVISED
PLOT DATE = 10/25/2018	DATE	REVISED

	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES	55	60-1B-R-1	MADISON	11	6
			CONTRACT	NO. 76	5M05
SHEET OF 1 SHEETS STA TO STA		ILLINOIS FED. A	ID PROJECT		

 $Z \leftarrow \bigcirc$ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT, 1 EACH NOT TO SCALE NOT TO SCALE AGGREGATE SHOULDERS (SPECIAL) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT, 1 EACH AGGREGATE SHOULDERS (SPECIAL) TRAFFIC BARRIER TERMINAL, TYPE 6A, 1 EACH TRAFFIC BARRIER TERMINAL, TYPE 6A, 1 EACH BK. E ABUT BK. E ABUT BK. W ABUT BK. W ABUT TRAFFIC BARRIER TERMINAL, TYPE 6A, 1 EACH TRAFFIC BARRIER TERMINAL, TYPE 6A, 1 EACH TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT, 1 EACH AGGREGATE SHOULDERS (SPECIAL) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT, 1 EACH AGGREGATE SHOULDERS (SPECIAL) **EXISTING LAYOUT** PROPOSED LAYOUT USER NAME = murrayda DESIGNED -REVISED SECTION COUNTY STATE OF ILLINOIS **PLAN SHEET** DRAWN REVISED 60-1B-R-1 MADISON 11 7 PLOT SCALE = 100.0000 ' / in. REVISED **DEPARTMENT OF TRANSPORTATION** 76M05

SCALE:

SHEET 1

OF 1 SHEETS STA.

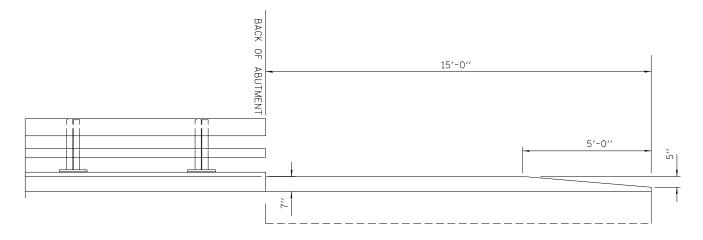
TO STA.

PLOT DATE = 10/19/2018

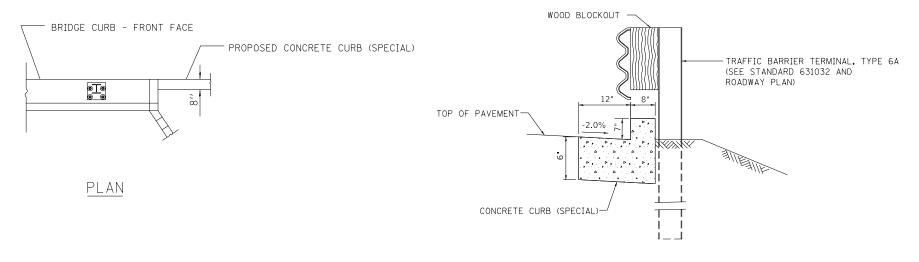
DATE

REVISED

BRIDGE ABUTMENT CONCRETE CURB (SPECIAL) DETAILS



ELEVATION OF BRIDGE RAILING AND CONCRETE CURB (SPECIAL)



CONCRETE CURB (SPECIAL) DETAIL

USER NAME = murrayda	DESIGNED	REVISED
	DRAWN	REVISED
PLOT SCALE = 2.0000 ' / in.	CHECKED	REVISED
PLOT DATE = 10/25/2018	DATE	REVISED

	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DETAILS	55	60-1B-R-1	MADISON	11	8
			CONTRACT	NO. 76	5M05
SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

CLASS D PATCHES DETAIL

- SURFACE

MICROSILICIA OVERLAY - 2 3/4"

EXISTING BACK OF ABUTMENT

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SCALE: Expines 11/301

PROFILE GRADE

Bridge

DESIGN STRESSES FIELD UNITS

081-005

Sta 16+85 Elev 470.73

Sta 20+60

Sta 24+35 Elev 475.60

Elev 488.99

750

the deck chall be scarlfled, patched, and overlayed with microsifica concrete overlay. The road shall be closed to traffic and detoured.

SHEET INDEX

General Plan and Clavation
 Deck Section & Drain Details
 Steel Railing, Type 2399



10-0" Sa Lane SB Lane Shur 12-0" 6,-0

12-0"

Sta 20+00. NB Lane NB Lane Shu

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10'-0" 10'-0"

EB

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WB

Sta 19+01.17

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© Pier 3 Sta 20+56.42 B

Sta 21+04.67

B

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No field welding is permitted except as specified in the centract decuments.

GENERA

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 for the work. All reinforcement bars shall be epoxy coated.

painting conti Cleaning and field painting of structural steel shall be done under a separate

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with "Bridge Deck Scarification in included with "Bridge Deck Scarification" in included with "Bri

The deck shall be scarified mechanically. Hydro-scar fication is not allowed since the deck is $6\frac{1}{6}$ " thick and deteriorated

santity for "Bridge Deck Concrete Sealer" are for the top and inside surface, and the 4 wingwalls.

parapet

The quantity

The quantity for "Protective Coat" is for the new microsilica concrete overlay.

The quantity for "Concrete Sealer" is for the 2' vertical surface of backwalls, 2'-9" wide abutment seats, and 1' vertical surface of front of abutment caps. The sealer in these areas shall be a plural component.

The quantity for "Deck Slab Repair (Partial Depth)" & "Deck Slab Repair (Full Depth, Type II)" are estimated. The location and sizes of repairs are to be determined by the Engineer in the field.

The cost for removal of the drains and drain brackets are included with 'Deck Slab Repair (Full Depth, Type I) from fascia beam to fascia beam. for "Protective Shield" is for a 40" width over lanes and shoulders.

6 SN 060-0177

Remove previously extended drain with 12"x18" Deck Slab Repair (Full Depth, Type I) and install 6"0 floordrain (12 total - 3 each quad)

Remove previously plugged drain with 12"x18" Deck Slab Repair (Full Depth, Type I). (14 Total - 3 each side of span I and 4 each side of span 4)

PLAN

LOCATION SKETCH

TOTAL BILL OF MATERIAL

ITEM	TINU	TOTAL
Protective Coat	Sq. Yd.	537
Bridge Deck Grooving	Sq. Yd.	492
iteel Railing, Type 2399	Foot	407
Protective Shield	Sa. Yd.	236
loor Drains	Each	12
Concrete Sealer	Sg. Ft.	330
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	4
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	20
Peck Slab Repair (Partial)	Sq. Yd.	80
Ridge Deck Scarification, {"	Sa. Yd.	537
Bridge Deck Microsilica Overlay 27	Sq. Yd.	536
Polymer Concrete	Cu. Ft.	4.6
Bridge Deck Concrete Sealer	Sq. Ft.	2039

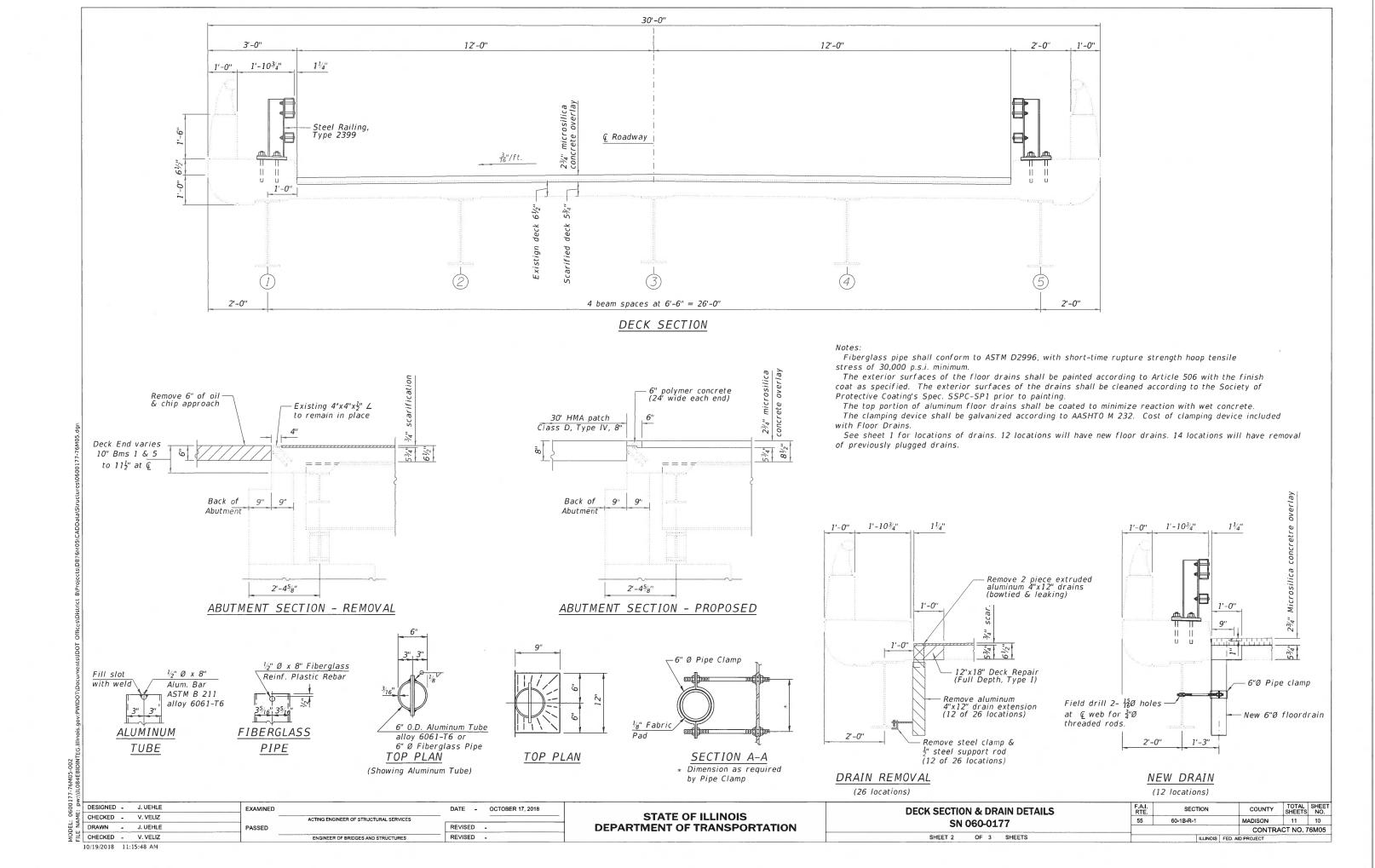
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

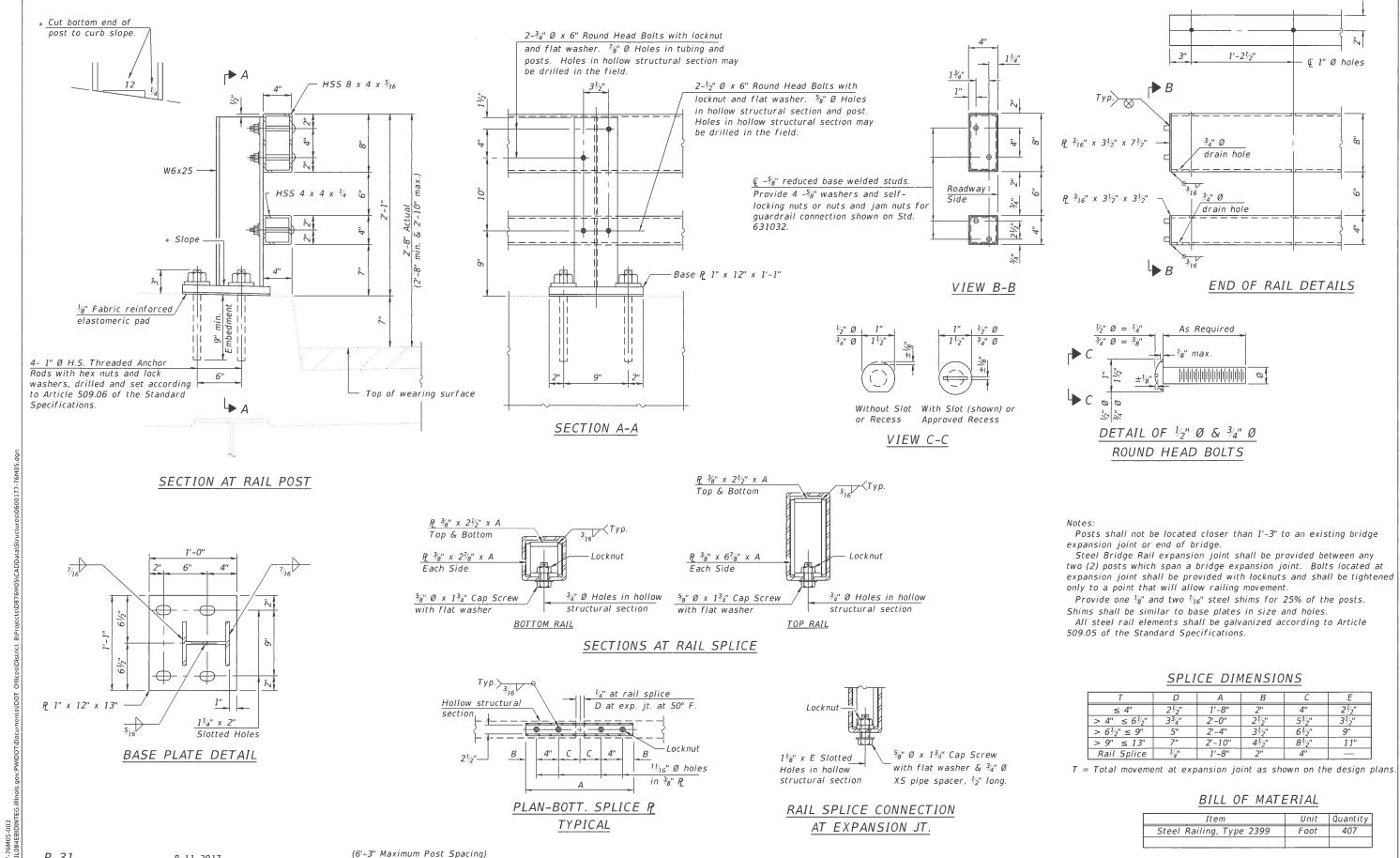
REVISED REVISED DATE

060-0177 (MAPLE GROVE ROAD OVER I-55) **GENERAL PLAN & ELE**

ATION 60-1B-R-1 SECTION

CONTRACT NO. 76M05





R-31

DESIGNED - J. Uehle OCTOBER 17, 2018 EXAMINED CHECKED - V. Veliz ACTING ENGINEER OF STRUCTURAL SERVICES DRAWN - J. Uehle PASSED REVISED . CHECKED - V. Veliz ENGINEER OF BRIDGES AND STRUCTURES REVISED 10/19/2018 11:15:48 AM

8-11-2017

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** **STEEL RAILING, TYPE 2399** SN 060-0177 SHEET 3 OF 3 SHEETS

COUNTY TOTAL SHEET NO. SECTION MADISON 11 11 55 60-1B-R-1 CONTRACT NO. 76M05 ILLINOIS FED. AID PROJECT