



### GENERAL NOTES

### INDEX OF SHEETS

- 1 COVER SHEET
- INDEX OF SHEETS. HIGHWAY STANDARDS. GENERAL NOTES. 2 AND COMMITMENTS
- 3-4A SUMMARY OF QUANTITIES
- 5 ROADWAY AND PAVEMENT MARKING PLAN
- 6-11 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
- 12-36 STRUCTURAL SHEETS (NO. 049-0111)
- 37 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC10)
- 38 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC11)
- 39-40 MULTI-LANE FREEWAY PAVEMENT MARKING (TC-12)
- 41 DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC13)
- 42 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
- 43 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC16)
- 44 TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
- 45 ARTERIAL ROAD INFORMATION SIGN (TC22)

### LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER 606001-07
- TRAFFIC BARRIER TEMINAL. TYPE 6 631031-15
- OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE 701101-05
- LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS 701411-09 >= 45 MPH
- 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS >= 45 MPH
- 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
- URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN 701601-09
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- TRAFFIC CONTROL DEVICES 701901-08
- 704001-08 TEMPORARY CONCRETE BARRIER
- TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS 781001-04
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES. AND THE CITY OF WAUKEGAN.
- 3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. ALL DAMAGE TO EXISTING PAVEMENT MARKING OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. NO ADDITIONAL COST TO THE DEPARTMENT.
- 5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING, EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- 6. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 9. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 11. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN ON THE PLANS.
- 12. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT
- 13. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LOGS, SHRUBS, BUSHES, SAPLINGS, UNDERBRUSH OR DEBRIS ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS AT LOCATIONS REQUIRING ACCESS TO THE SUBSTRUCTURE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 14. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL."
- 15. THE CONTRACTOR SHALL VERIFY THE EXISTING TYPE/HEIGHT OF EXISTING GUARDRAIL BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION SHALL MATCH THE HEIGHT OF THE EXISTING GUARDRAIL.
- 16. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS

	HRM 4415 WEST HARRISON ST.		DESIGNED - KJD	REVISED -		IL 43 (W/	AUKEGAN RD)	INDEX	( OF SHEETS, LIST OF IDOT	F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
AME	NGINEERING GROUP, LLC. SUITE 231 HILLSIDE, IL 60162	DRAWN	DRAWN - KJD	REVISED -	STATE OF ILLINOIS		, RF RD (SN 049-0111)	HIGHWAY	Y STANDARD, GENERAL NOTES	2706 12R-1HB-1-BR	LAKE	45	2
	SPECTION & RATING PHONE: (708) 236-0900 SEARCH & TESTING FAX: (708) 236-0901		CHECKED - RTB	REVISED -	DEPARTMENT OF TRANSPORTATION				AND COMMITMENTS		CONTRACT	NO. F	OR68
LI L			DATE - 12/07/2018	REVISED -		SCALE: N/A	SHEET NO. OF	SHEETS ST.	A. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED.	AID PROJECT		

				CONSTRUCTION TYPE CODE
	SUMMARY OF QUANTITIES		80% FED 20% STATE	IL RTE 43 OVER Belvidere RD SN 049-0111
	ITEM DESCRIPTION	UNIT		0047
20700220	POROUS GRANULAR EMBANKMENT	CU YD	128	128
21101615	TOPSOIL FURNISH AND PLACE, 4'	SQ YD	75	75
25000210	SEEDING, CLASS 2A	ACRE	Ø.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	0.1
25000600		POLIND	1	1
25000000				
25100635	HEAVY DUTY ERUSIUN CUNTRUL BLANKET	SU YD	5/	1
28000510	INLET FILTERS	EACH	20	
50102400	CONCRETE REMOVAL	CU YD	56.1	56.1
50104000	BRIDGE RAIL REMOVAL	FOOT	608	608
50157300	PROTECTIVE SHIELD	SQ YD	1731	1731
50300255	CONCRETE SUPERSTRUCTURE	CU YD	72.9	72.9
50300260	BRIDGE DECK GROOVING	SQ YD	2050	2050
50300300	PROTECTIVE COAT	SQ YD	856	856
50500405	FURNISHING AND FRECTING STRUCTURAL STEEL	POLIND	5230	5230
5000000			22170	20176
50800205	REINFURCEMENT BARS, EPUXY CUATED	PUUND	23170	23170
50800515	BAR SPLICERS	EACH	68	68
52000110	PREFORMED JOINT STRIP SEAL	FOOT	177.2	177.2
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	24	24
52100520	ANCHOR BOLTS, 1"	EACH	96	96
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	75	75
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100				
70200004			11/000	
10300904	PHVEMENT MARKING THPE, ITPE IV 4		ררשוו	11,099
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	220	220
70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	32	32
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	304	304
70400100	TEMPORARY CONCRETE BARRIER	FOOT	954	954
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	917	917
70600260	IMPACT ATTENUATORS. TEMPORARY (FULLY REDIRECTIVE, NARROW). TEST LEVEL	3 EACH	2	2
R	EVISED - STATE OF ILLINOIS	IL 43 (WA	UKEGAN RD)	SUMMARY OF QUANT
TB R 07/2018 R	EVISED - DEPARTMENT OF TRANSPORTATION	SCALE: NTS	אסן עח (110 U49-U111) SHEET NO. 1 OF	3 SHEETS   STA. TO STA.

HIBME GROUP LC SUITE 231 ENGINEERING BROUP LC SUITE 231 FORTERING A DESIGN INFECTION & NATING RESEARCH & TESTING CONCEL (708) 236-0900 FAX4 (708) 236-0900

STA. TO STA. | FED. ROAD DIST. NO. 1 (ILLINDIS(FED. AID PROJECT Pi\1111-532 IDDT PTBIGI Item 8 (Verious-Verious)\Work Order \*] - SN 049-0111 IL43\Civil Sheets\03-D160R68-sht-SOO.dgn REV 1/15/19

					CONSTRUCTION TYPE CODE	
	S	UMMARY OF QUANTITIES		80% FED 20% STATE	IL RTE 43 OVER BELVIDERE RD SN 049-0111	
CODE NO.		ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0047	
70600332	IMPACT ATTENUATORS,	RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
* 78000200	THERMOPLASTIC PAVEN	IENT MARKING - LINE 4"	FOOT	1942	1942	
* 78000500	THERMOPLASTIC PAVEN	IENT MARKING - LINE 8"	FOOT	867	867	
* 78000600	THERMOPLASTIC PAVEN	IENT MARKING - LINE 12'	FOOT	57	57	
* 78003110	PREFORMED PLASTIC F	AVEMENT MARKING, TYPE B - LINE 4"	FOOT	510	510	
* 78100100	RAISED REFLECTIVE P	AVEMENT MARKER	EACH	72	72	
<b>•</b> 78100300	REPLACEMENT REFLEC	TOR	EACH	20	20	
* 78200011	BARRIER WALL REFLEC	CTORS, TYPE C	EACH	75	75	
78300200	RAISED REFLECTIVE P	AVEMENT MARKER REMOVAL	EACH	20	20	
XØ32798Ø	PAVEMENT MARKING RE	MOVAL - WATER BLASTING	SQ FT	1551	1551	
* X2700003	GROOVING FOR RECESS	ED PAVEMENT MARKING 8"	FOOT	128	128	
* X2700004	PREFORMED PLASTIC F	AVEMENT MARKING, TYPE B - LINE 7"	FOOT	128	128	
X7010216	TRAFFIC CONTROL AND	PROTECTION, (SPECIAL)	L SUM	1	1	
X7030005	TEMPORARY PAVEMENT	MARKING REMOVAL	SQ FT	4135	4135	
* X8040150	REMOVAL ELECTRICAL	CONNECTION TO SIGN STRUCTURE	EACH	2	2	
X2600027	REMOVE, STORE AND R	E-ERECT OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	2	2	
ZØØØ1899	JACK AND REMOVE EX	STING BEARINGS	EACH	21	21	
ZØØØ4556	HOT-MIX ASPHALT SUF	FACE REMOVAL (DECK)	SQ YD	2123	2123	
ZØØØ6Ø16	BRIDGE DECK LATEX C	ONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	2123	2123	
ZØØ12130	BRIDGE DECK SCARIFIC	CATION 3/4"	SQ YD	2123	2123	
ZØØ12754	STRUCTURAL REPAIR C	F CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1196	1196	
ZØØ12755	STRUCTURAL REPAIR C	F CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	79	79	
ZØØ16ØØ2	DECK SLAB REPAIR (F)	JLL DEPTH, TYPE II)	SQ YD	51	51	
ZØØ162ØØ	DECK SLAB REPAIR (P	ARTIAL)	SQ YD	68	68	
¥ Z0018500	DRAINAGE STRUCTURES	TO BE CLEANED	EACH	10	10	
ZØØ3Ø85Ø	TEMPORARY INFORMAT	ON SIGNING	SQ FT	202	202	
ZØØ33Ø28	MAINTENANCE OF LIGH	TING SYSTEM	CAL MO	4	4	
ZØØ41895	POLYMER CONCRETE		CU FT	9	9	
Z0043900	PREFORMED JOINT FIL	LER	FOOT	90	90	¥ NON-PARTICIPATIN
Z0073200	TEMPORARY SHORING A	ND CRIBBING	EACH	3	3	<ul> <li>SPECIALTY ITEN</li> </ul>
D RE	VISED - VISED - VISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 43 (WAU OVER BELVIDERE	KEGAN RD) RD (SN 049-0111)	SUMMARY OF QUANTITIES	F.A.U. RTE.         SECTION         COUNTY         TO SH           2706         12R-1HB-1-BR         LAKE         CONTRACT_NO

HIBME AND A VEST HARRISON ST. ENGINEERING GROUP LLC. SUITE 231 COMPACTION & ANTING PRESENCE & NATING PRESENCE & TESTING RESEARCH & TESTING COMPACT TO B 236-0301

						CONSTRUCTION	
	S	UMMARY OF QUANTITIES			80% FED 20% STATE	CONSTRUCTION	IL RTE 43 OVER BELVIDERE RD
CODE					TOTAL		SN 049-0111
NO.		ITEM DESCRIPTION		UNII	QUANTITY		0047
X032757	7 PROTECT AND MAINTAI	N EXISTING UNDERPASS LUMINAIRE		LSUM	1		1
<b>d</b> <u>3003666</u>					F.00		500
Ø 2007660				HOUK	500		500
Ø Z007660	4 TRAINEES TRAINING PROG	GRAM GRADUATE		HOUR	500		500
1	1						
	REVISED -	STATE OF HUNDI	s	IL 43 (WAU	UKEGAN RD)	SUMM	ARY OF QUANTI
KJD KJD RTB	REVISED - REVISED - REVISED - DEVISED -	STATE OF ILLINOI DEPARTMENT OF TRANSPO	S ORTATION	IL 43 (WAU	UKEGAN RD) RD (SN 049-011	SUMMA	ARY OF QUANTI

She IL43\ SN Ø49-÷ ĕ File NAME = P.V.111-532 IDOT PTB161 Leam PLOT SCALE = 2.00000 / . ... USER NAME = \$USERNAME\$

ър



<u>43</u> (SR) RTE 43 (NB) >>⊂⊖->Z GUARDRAIL REMOV (37.5 FT) TRAF BAR TERM T6 (1 EA) SEE GUARDRAIL NOTE RTF 73 M - CONTRAST PREFORMED PLASTIC SHALL BE USED ON BRIDGE DECK FOR LANE LINES. PAVEMENT MARKING LEGEND (SEE NOTE 2) 4" WHITE LANE LINE (30' SKIP 10' DASH)  $\bigcirc$ 4" WHITE SOLID LINE 3 8" WHITE LANE LINE (9' SKIP 3' DASH) (4) 8" WHITE LINE 5 12" WHITE SOLID LINE RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 4)
 REPLACEMENT REFLECTOR TOTAL SHEET SHEETS NO. 45 5 SECTION COUNTY ROADWAY PLAN AND PAVEMENT MARKING PLAN 2706 12R-1HB-1-BR LAKE

CONTRACT NO. 60R68

### **MAINTENANCE OF TRAFFIC GENERAL NOTES**

1. THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

2. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER.

3. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE THROUGH LANE IN EACH DIRECTION THROUGH OUT THE PROJECT AREA AT ALL TIMES.

4. DRUMS SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FEET CENTER TO CENTER ON TANGENT. AND 20 FEET CENTER TO CENTER ON TAPERS AND CURVES.

5. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE DURING ALL PHASES OF CONSTRUCTION.

6. THE CONTRACTOR SHALL FOLLOW THE SP 'LIGHTS ON BARRICADES'.

7. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

8. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.

9. TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:

- $L = (W) \times (S)$
- L = TAPER LENGTH IN FEET W = WIDTH OF OFFSET IN FEET
- S = POSTED SPEED IN MPH.

10. TYPE III BARRICADES SHALL BE PROVIDED AT LOCATIONS SHOWN IN THE PLANS.

11. ONE MONO-DIRECTIONAL FLASHING AMBER BEACON SHALL BE MOUNTED TO THE FIRST TWO WARNING SIGNS ON EACH APPROACH. THE FLASHING AMBER BEACON SHALL BE OPERATIONAL DURING HOURS OF DARKNESS.

12. ALL TEMPORARY CONCRETE BARRIER WALL AND TEMPORARY IMPACT ATTENUATORS MUST BE SEATED ON BARE, CLEAN PAVEMENT OR PAVED SHOULDER.

13. TEMPORARY INFORMATION SIGNING SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL TC-22 AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT AS "TEMPORARY INFORMATION SIGNING".

14. ADVANCE WIDTH RESTRICTION SIGNS, W12-1103, SHALL BE INSTALLED. ONE SIGN SHALL BE INSTALLED APPROXIMATLEY 2 MILES NORTH OF THE PROJECT AT THE INTERSECTION OF IL ROUTE 43 AND IL ROUTE 132. ONE SIGN SHALL BE INSTALLED APPROXIMATELY 3 MILES SOUTH OF THE PROJECT AT THE INTERSECTION OF IL ROUTE 43 AND IL ROUTE 137.











2600 Warre	2600 Warrenville Rd, Suite 203, Downers Grove, IL 60515	DESIGNED - JP	REVISED -		IL 43 (WA	UKEGAN B	D)			:	F.A.U. RTE.	SECTION	COUNTY	TOT/ SHEE	AL SHEET
	630.705.0110 voice, 630.839.2566 fax www.mpi-il.com	DRAWN - JP	REVISED -	STATE OF ILLINOIS	OVER BELVIDERE RD (SN 049-0111)			STAGING NOTES			2706	12R-1HB-1-BR	LAKE	45	6
		CHECKED - TVN	REVISED -	DEPARTMENT OF TRANSPORTATION				-1					CONTRAC	Γ NO.	60R68
	MILLENNIA PROFESSIONAL SERVICES	DATE - 1/3/2019	REVISED -		SCALE:	SHEET NO. (	ЭF	SHEETS	STA.	TO STA.	FED. ROAD [	DIST. NO. 1 ILLINOIS FI	D. AID PROJECT		
										P:\2011\ME11007_VarVar	_PhII\CADD\W	001_IL43_at_IL120\Shts	06-D160R68-sht-s	age00_ti	up_notes.dqr

Professional S P.\2011\ME 100.0000 M.llennia

WIDTH	
'–6"	

3 MILES

W12-I103 48×48





P:\2011\ME 100.0000 ' Millennia NAME SCALE NAME



P./2 NAME SCALE NAME

P:\2011\ME11007\_VorVor\_PhII\CADD\W001\_IL43\_ot\_IL120\Shts\09-D160R68-



t WAME = P:\2011.WE1007.VerVerVerPhINCADD\W001.Lt43.et.LL120\Shts\U0-D160F68-sht-5 T SCALE = 100.0000 / nv AMME = MAME = Valessoned Servees



NOTES: IN THE COST OF "TEMPORARY INFORMATION SIGNING"

### 12.0" Radius, 2.0" Border, White on Green

	LETTER POSITIONS (X)												LENGTH	SERIES/SIZE		
Т	0															EM 2000
10	17														13.8	8
S	0	U	Т	Н												EM 2000
69.8	80.4	89	96.9	104.3											40.9	10,8
F	0	u	n	t	а	i	n		S	q		Ρ	I			EM 2000
10	19.1	29	39.5	49.1	56.6	67.1	73	79.6	89.6	99.9	106.5	116.5	127		119	10⁄7.5
G	r	е	е	n	I	е	а	f		S	t					EM 2000
19.7	30.8	37.3	46	55.7	66.2	71.3	80.1	89.6	93.8	103.8	114				99.5	10⁄7.5



	2600 Warrenville Rd, Suite 203, Downers Grove, IL 60515 630.705.0110 voice, 630.839.2566 fax		JP	REVISED -		IL 43 (W	IL 43 (WAUKEGAN RD)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
			DRAWN - JP REVI	REVISED -	STATE OF ILLINOIS	OVER BELVIDERE BD (SN 049-0111)			TEMP	ORARY GUIDE SIGN DETAIL	2706	12R-1HB-1-BR	LAKE	45 11
		CHECKED -	TVN	REVISED -	DEPARTMENT OF TRANSPORTATION								CONTRACT	NO. 60R68
	MILLENNIA PROFESSIONAL SERVICES	DATE -	11/12/2018	REVISED -		SCALE:	SHEET NO.	OF	SHEETS ST	A. TO STA.	FED. ROAD [	IST. NO. 1 ILLINOIS FED. A	ID PROJECT	

THE COST OF THE "TEMPORARY GUIDE SIGN" IS INCLUDED

Existing Structure: This bridge was built in 1974. The current structure is a 2-span steel plate girder bridge which measures 88'-0" Out-to-Out Deck (radially) and  $287' - 37_{B''}$  Bk.-to-Bk. Abutments (along Q Rt. 43). The substructure consists of a reinforced concrete abutment on concrete piles, a vaulted abutment supported by PPC I-beams on concrete piles and a reinforced concrete wall pier on creosoted timber piles.

### Traffic is to be maintained utilizing stage construction.

DATE - 12/07/2018

CHECKED

MAI. MI

REVISED

Salvage: Parapet aluminum railing.



HS20-44 & ALTERNATE ORIGINAL CONSTRUCTION (1974) Allow 25 #/sq. ft. for future wearing surface

### DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges ORIGINAL CONSTRUCTION (1974) 1969 AASHTO Standard Specifications for Highway Bridges

### DESIGN STRESSES

ORIGINAL CONSTRUCTION (1974) f'c = 3,500 psi (Concrete) fy = 20,000 psi (Reinforcement)

f<sub>y</sub> = 20,000 psi (Structural Steel)



### SCOPE OF WORK

- 1. Provide protective shielding within limits as indicated on the plans.
- 2. Remove the existing hot mix asphalt overlay.
- 3. Scarify  ${}^{3}_{4}$ " from the bridge deck slab.
- 4. Perform full-depth deck slab repairs.
- 5. Remove/eliminate the longitudinal expansion joint and reconstruct the removed portion of the median.

RTE	SEC	FION			COUNTY	SHEETS	NO.
2706	12R-1HB-1-BR				LAKE	45	12
					CONTRAC	T NO. 0	50R68
		ILLINOIS	FED.	AID	PROJECT		
	2706	2706 12R-1H	RTE.         SECTION           2706         12R-1HB-1-BR           ILLINOIS	RTE.         SECTION           2706         12R-1HB-1-BR           ILLINOIS FED.         ILLINOIS FED.	RTE.         SECTION           2706         12R-1HB-1-BR           ILLINOIS         FED. AID	RTE.         SECTION         COUNTY           2706         12R-1HB-1-BR         LAKE           CONTRAC           ILLINOIS         FED. AID PROJECT	RTE.         SECTION         COUNTY         SHEETS           2706         12R-1HB-1-BR         LAKE         45           CONTRACT NO. 6         Illinois FED. aid project

SHEET NO. SO1 OF

### GENERAL NOTES

- 1. 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.
- 2. Reinforcement bars designated (E) shall be epoxy coated.
- 3. Bars noted thus, 3 x 2-#5 indicates 3 lines of bars with 2 lengths of bars per line.
- 4. All structural steel shall conform to AASHTO Classification M-270 Gr 36, unless otherwise noted.
- 5. All exposed concrete edges shall have a  ${}^{3}_{4}$ " x 45° chamfer, except where shown otherwise.
- 6. If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.
- 7. The contractor shall take all necessary precautions for the protection of passing vehicles from falling objects and/or materials until completion of the work.
- 8. Prior to pouring the 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. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by method that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
- 9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 10. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contract Surface Areas of Existing Steel Structures".
- 11. All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.
- 12. 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.
- 13. The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.
- 14. Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.
- 15. 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.
- 16. The Contractor shall salvage and return the existing bridge railing to:

District Bridge Office 1101 Biesterfield Rd. Elk Grove Village, IL 60007

Contact Jacek Ejmont or Vito Mazzara at (847) 956-1444. This work shall include removing, transporting and unloading the existing bridge railing to the above yard which cost is included in the cost of "Bridge Rail Removal".

### INDEX OF SHEETS

- S01. General Plan and Elevation
- S02. General Notes, Index of Sheets & Total Bill of Material
- S03. Stage I Construction S04.
- Stage II Construction S05. Temporary Concrete Barrier
- S06. Bridge Deck Repair Plan
- S07. Bridge Deck Final Cross Sections
- Parapet Structural Concrete Repairs S08.
- S09. South Abutment Joint Removal and Replacement
- South Abutment Joint Details S10.
- North Abutment Joint Removal and Replacement S11.
- S12. North Abutment Joint Details
- S13. Preformed Joint Strip Seal
- S14. Long. Joint Removal and Deck Reconst. Plans
- S15. Long. Joint Removal and Deck Reconst. Sections and Details
- S16. East Parapet Retrofit
- S17. West Parapet Retrofit
- S18. Framing Plan
- S19. S20.
- South Abutment, Type I Elastomeric Bearings Details North Abutment, Type I Elastomeric Bearings Details
- S21. South Abutment Repairs
- South Abutment Curtain Wall Ventilation and Grading S22.
- North Abutment Repairs S23,
- S24. Pier Repairs
- S25. Bar Splicer Assembly Details

Porous Granular Embankment Concrete Removal Bridge Rail Removal Protective Shield Concrete Superstructure Bridge Deck Grooving Protective Coat Furnishing and Erecting Structure Reinforcement Bars, Epoxy Coate Bar Splicers Preformed Joint Strip Seal Elastomeric Bearing Assembly, Ty Anchor Bolts, 1" Remove, Store and Re-Erect Ove Jack and Remove Existing Bearing Hot-Mix Asphalt Surface Removal Bridge Deck Latex Concrete Over Bridge Deck Scarification,  $\frac{3}{4}$ " Structural Repair of Concrete (De Structural Repair of Concrete (De Deck Slab Repair (Partial) Deck Slab Repair (Full Depth, Typ Polymer Concrete Preformed Joint Filler Temporary Shoring and Cribbing

\* Median only

		DESIGNED - JJS, LAB	REVISED -		GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET	SHEET NO.
ENGINEERING GROUP, LLC SUITE 231		CHECKED - MI	REVISED -	STATE OF ILLINOIS		2706	12R-1HB-1-BR	LAKE	45	13
INSPECTION & RATING PHONE: (708) 236-0900		DRAWN - JJS, LAB	REVISED -	DEPARTMENT OF TRANSPORTATION	IL NOUTE 43 OVER IL NOUTE 120 - STRUCTURE NU. 049-0111			CONTRACT	T NO.	30R68
	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. SO2 OF S25 SHEETS		ILLINOIS FED. AI	ID PROJECT		

<u>TOTAL BILL OF MATE</u>	<u>RIAL</u>			
ΓEM	UNIT	SUPER	SUB	TOTAL
	Cu. Yd.	-	128	128
	Cu. Yd.	56.1	-	56.1
	Foot	608	-	608
	Sq. Yd.	1,731	-	1,731
	Cu. Yd.	72.9	-	72.9
	Sq. Yd.	2,050	-	2,050
	Sq. Yd.	856	-	856
al Steel	Pound	5,230	-	5,230
d	Pound	23,170	-	23,170
	Each	68	-	68
	Foot	177	-	177
rpe I	Each	-	24	24
	Each	-	96	96
rhead Sign Structure - Bridge Mounted	Each	2	-	2
gs	Each	-	21	21
(Deck)	Sq. Yd.	2,123	-	2,123
lay, 2 <sup>3</sup> 4 Inches	Sq. Yd.	2,123	-	2,123
	Sq. Yd.	2,123	-	2,123
epth Equal to or Less Than 5 Inches)	Sq. Ft.	-	1,196	1,196
epth Greater Than 5 Inches)	Sq. Ft.	79	-	79
	Sq. Yd.	68	-	68
pe II)	Sq. Yd.	51	-	51
	Cu. Ft.	9	-	9
	Foot	-	90	90
	Each	-	3	3



### STAGE I REMOVAL

- 1. Install temporary concrete barrier as shown to locate traffic lane on the east and west sides of the existing structure.
- 2. Remove the existing 2" hot-mix asphalt overlay.
- 3. Remove  ${}^{3}_{4}$ " from the deck slab using scarification.
- 4. Remove areas of existing deck for full depth deck slab repairs.
- 5. Remove/eliminate longitudinal joint in the median.
- 6. Remove concrete deck adjacent to expansion joints at the North and South Abutments.

### STAGE I CONSTRUCTION

The following construction items will be performed within the limits of Stage I Construction:

- 1. Perform full depth deck slab repairs.
- 2. Reconstruct median within the limits of the longitudinal joint removal.
- 3. Replace concrete deck adjacent to expansion joints at North and South Abutments and install new preformed joint strip seal expansion joints.
- Jack and remove existing rocker bearings at North and South Abutments and replace with Type I Elastomeric Bearings.
- 5. Perform structural concrete repairs for the abutments.
- 6. Apply  $2^{3}_{4}$ " bridge deck latex concrete overlay to bridge deck slab.
- Perform bridge deck grooving for the 2<sup>3</sup>/<sub>4</sub>" bridge deck latex concrete overlay area and reconstructed transverse expansion joint areas.
- 8. Apply protective coat for the median, top and inside faces of reconstructed parapets, and reconstructed transverse expansion joint areas.



Concrete Removal

RUCTION	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
_ STRUCTURE NO 040_0111	2706	12R-1HB-1-BR	LAKE	45	14
= 311001011E NO. 043=0111			CONTRACT	NO. 6	0R68
S25 SHEETS		ILLINOIS FED.	AID PROJECT		



### STAGE II REMOVAL

- 1. Install temporary concrete barrier as shown to locate traffic lane on the east and west sides of the existing structure.
- 2. Remove the existing 2" hot-mix asphalt overlay.
- 3. Remove  ${}^{3}_{4}$ " from the deck slab using scarification.
- 4. Remove areas of existing deck for full depth deck slab repairs.
- 5. Remove concrete deck and parapets adjacent to expansion joints at the North and South Abutments.
- 6. Remove the existing east and west parapet railings.
- Remove and store the existing two (2) bridge mounted sign structures to be re-erected after retrofitting the east parapet.

### STAGE II CONSTRUCTION

The following construction items will be performed within the limits of Stage II Construction:

- 1. Perform full depth deck slab repairs.
- Replace concrete deck and parapets adjacent to expansion joints at North and South Abutments and install new preformed joint strip seal expansion joints.
- 3. Jack and remove existing rocker bearings at North and South Abutments and replace with Type I Elastomeric Bearings.
- 4. Perform structural concrete repairs for the abutments, wingwalls and pier.
- 5. Apply  $2^{3}_{4}$ " bridge deck latex concrete overlay to bridge deck slab.
- 6. Re-erect the removed and stored two (2) bridge mounted sign structures at the same locations.
- Perform bridge deck grooving for the 2<sup>3</sup>/<sub>4</sub>" bridge deck latex concrete overlay areas and reconstructed transverse expansion joint areas.
- 8. Perform structural concrete repairs and retrofit the east and west parapets.
- 9. Apply protective coat for the parapets, top and inside faces of reconstructed parapets, and reconstructed transverse expansion joint areas.



Concrete Removal

RUCTION	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
- STRUCTURE NO 049-0111	2706	12R-1HB-1-BR	LAKE	45	15
= 31NOCIONE NO. 049-0111			CONTRACT	NO. 6	0R68
25 SHEETS		ILLINOIS FED. A	ID PROJECT		



DATE - 12/07/2018

CHECKED -

MAL. MI

REVISED

SHEET NO. SO5 OF

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,

ETE BARRIER	F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
_ STRUCTURE NO 0/0_0111	2706	12R-1HB-1-BR	LAKE	45	16
- STRUCTURE NU. 049-0111			CONTRACT	NO. 6	0R68
25 SHEETS	ILLINOIS FED. AID PROJECT				



DATE - 12/07/2018

CHECKED

MAL. MI

REVISED

ITEM	UNIT	QUANTITY
Protective Shield	Sq. Yd.	1731
Bridge Deck Grooving	Sq. Yd.	1999
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	2123
Bridge Deck Latex Concrete Overlay,	Sq. Yd.	2123
2 <sup>3</sup> 4 Inches		
Bridge Deck Scarification, ${}^{3}_{4}$	Sq. Yd.	2123
Deck Slab Repair (Partial)	Sq. Yd.	68
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	51
Polymer Concrete	Cu. Ft.	9

PAIR PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
– STRUCTURE NO. 049–0111		12R-1HB-1-BR	LAKE	45	17
			CONTRACT	NO. 6	0R68
S25 SHEETS		ILLINOIS FED. AI	D PROJECT		



HBM ENGINEERING GROUP, LLC.	HBM 4415 WEST HARRISON ST.		DESIGNED - LAB, MAA CHECKED - MI	REVISED - REVISED -	STATE OF ILLINOIS	BRIDGE DECK FINAL C	
CONSULTING & DESIGN INSPECTION & RATING	HILLSIDE, IL 60162 PHONE: (708) 236-0900		DRAWN - LAB, MAA	REVISED -	DEPARTMENT OF TRANSPORTATION	IL ROUTE 43 OVER IL ROUTE 120 -	
RESEARCH & TESTING	TOB 236-0901	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. SO7 OF S2	

25 SHEETS



CONCRETE REPAIR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
_ STRUCTURE NO 0/0_0111	2706	12R-1HB-1-BR	LAKE	45	19
			CONTRACT	NO. 6	0R68
S25 SHEETS	ILLINOIS FED. AID PROJECT				



HBANG GROUP, LLC, SUITE 231 CONSULTING DESIGN INSPECTION & RATING HILLSIDE, LL 60162 PHOME: 17081256-0900 PHOME: 17081256-0900		DESIGNED - LAB CHECKED - MI	REVISED - REVISED -	STATE OF ILLINOIS	SOUTH ABUTMENT JOINT REMOV
		DRAWN - LAB	- LAB REVISED - DEPARTMENT OF TRANSPORTATION	DEPARTMENT OF TRANSPORTATION	IL ROUTE 43 OVER IL ROUTE 120 -
	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. SO9 OF S2

OF S25 SHEETS	ILLINOIS	FED. AID PROJECT



		BILL	. OF M	ATERIA	<u>L</u>
1'-9''	Bar	No.	Size	Length	Shape
	a(E)	40	#5	19′-4″	
	a <sub>1</sub> (E)	20	#5	23′-5″	
	a <sub>2</sub> (E)	25	#5	15′-6″	
<u>BAR b(E)</u>	a3(E)	20	#5	17′-3″	
	b(E)	108	#5	2'-7"	
1'-9" ū	b1(E)	84	#5	2'-2"	, 
	c(E)	20	#5	2'-6"	
AR b1(E)	d(E)	12	#4	4'-5"	
	$d_I(E)$	12	#5	4'-8"	Ĵ
<u></u>	s(E)	24	#5	3'-11"	
	Concret	Concrete Removal			14.9
	Concret	e Supera	structure	Cu. Yd.	14.9
	Bridge	Deck Gro	ooving	Sq. Yd.	29
	Protect	ive Coat		Sq. Yd.	31
<u>BAR C(E)</u>	Reinfor	cement E	Bars,	Pound	2790
	Ероху	Coated			



<u>NOTES</u>

1. For Notes, See Sheet S09.



OINT DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
– STRUCTURE NO. 049–0111		12R-1HB-1-BR	LAKE	45	21	
			CONTRACT	NO. 6	0R68	
S25 SHEETS	ILLINOIS FED. AID PROJECT					



	4415 WEST	HARRISON ST.		DESIGNED         -         LAB         REVISED         -           CHECKED         -         MI         REVISED         -	STATE OF ILLINOIS	NORTH ABUTMENT JOINT R	
CONSULTING & DESIGN INSPECTION & RATING	PHONE: (	IL 60162 (708) 236-0900 (708) 336-0901		DRAWN - LAB	REVISED -	DEPARTMENT OF TRANSPORTATION	IL ROUTE 43 OVER IL ROUTE 12
RESEARCH & TESTING		238-0301	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. S11 OF



BILL OF MATERIAL

No.	Size	Length	Shape
20	#5	19′-4″	
14	#5	15′-6″	
20	#5	17'- 3"	
91	#5	2'-7"	
10	#5	3′-11″	
10	#4	4′-5″	J
10	#5	4′-8″	J
8	#5	19′-4″	
8	#5	19′-9″	
6	#5	15′-8″	
12	#5	3′-11″	
12	#5	5′-1″	
te Remov	al	Cu. Yd.	14.4
te Supers	structure	Cu. Yd.	14.4
Deck Gro	poving	Sq. Yd.	22
ive Coat		Sq. Yd.	24
cement E	Bars,	Pound	1900
Coated			
	No.           20           14           20           91           10           10           10           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           12           14           15           16           17           18           19           12           12           12           12           12           12           12           12           13           14           15           16           17           18	No.         Size           20         #5           14         #5           20         #5           20         #5           91         #5           91         #5           10         #5           10         #4           10         #5           8         #5           6         #5           12         #5           12         #5           te Removal         te Superstructure           Deck Grooving         ive Coat           icement Bars,         Coated	No.         Size         Length           20         #5         19'-4"           14         #5         15'-6"           20         #5         17'-3"           91         #5         2'-7"           91         #5         3'-11"           10         #5         3'-11"           10         #4         4'-5"           10         #5         19'-4"           8         #5         19'-9"           6         #5         15'-8"           12         #5         3'-11"           12         #5         5'-1"           te Removal         Cu. Yd.           te Superstructure         Cu. Yd.           Deck Grooving         Sq. Yd.           ive Coat         Sq. Yd.           cement Bars,         Pound



NOTES

1. For Notes, see Sheet S11.



IOINT DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
_ STRUCTURE NO 0/9_0111	2706	12R-1HB-1-BR	LAKE	45	23	
= STRUCTURE NO. 049-0111			CONTRACT	NO. 6	0R68	
S25 SHEETS	ILLINOIS FED. AID PROJECT					



2		
	1" (typ.)	Top of median
	SECTION D-	D

Item	Unit	Total
Preformed Joint Strip Seal	Foot	177

STRIP SEAL – STRUCTURE NO. 049–0111	F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2706 12R-1HB-1-BR		LAKE	45	24
	CONTRACT NO. 60R68				
25 SHEETS		ILLINOIS FED. AI	D PROJECT		



LAP	SPL	ICE S

Bar	Lap
#6	3'-10"

DECK RECONST. PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO 0/0_0111	2706	12R-1HB-1-BR	LAKE	45	25
- STRUCTURE NO. 049-0111			CONTRACT	NO. 6	0R68
25 SHEETS		ILLINOIS FED. A	D PROJECT		



	BILL	. OF N	MATERIA	<u>\                                    </u>
Bar	No.	Size	Length	Shape
ь <sub>2</sub> (Е)	18	#6	31′-10″	
ь <sub>з</sub> (Е)	40	#6	34′-11′′	
b₄(Ε)	45	#6	31′-6′′	
ь <sub>5</sub> (Е)	4	#6	56′-9′′	
с <sub>2</sub> (Е)	62	#6	6′-2′′	
с <sub>3</sub> (Е)	62	#6	7′-6″	<u>ــــــــ</u>
c₄(E)	1,196	#6	4′-8′′	د
Concrei	te Remov	al	Cu. Yd.	26.6
Concrete Superstructure			Cu. Yd.	26.6
Protective Coat			Sq. Yd.	517
Reinfor Epoxy	cement E Coated	Bars,	Pound	15,090



LEGEND 

Concrete Removal

CONST. SECTIONS AND DETAILS	RTE.	SECTION		COUNTY	SHEETS	SHEET NO.
- STRUCTURE NO 0/0_0111 2	2706	12R-1HB-1-BR		LAKE	45	26
				CONTRACT	NO. 6	0R68
S25 SHEETS		ILL INOIS	FED. AI	D PROJECT		





DRAWN

CHECKED

DATE - 12/07/2018

WМ

MAL. MI

REVISED

REVISED

IL ROUTE 43 OVER IL ROUTE 120 **DEPARTMENT OF TRANSPORTATION** SHEET NO. S17 OF

Bar	No.	Size	Length	Shape	
d <sub>2</sub> (E)	314	#5	1'-7''		
e(E)	4	#4	6′-9″		
e <sub>1</sub> (E)	8	#4	14 '- 10 ''		
e <sub>2</sub> (E)	28	#4	16′-8′′		
e3(E)	8	#4	22'-0''		
e₄(E)	20	#4	17′-8′′		
e <sub>5</sub> (E)	4	#4	13′-3′′	<b>─</b> ──	
s <sub>2</sub> (E)	319	#4	1'-9''	Π	
Bridge I	Rail Remo	val	Foot	304	
Concrete Superstructure			Cu. Yd.	8.5	
Protecti	ve Coat		Sq. Yd.	142	
Reinford	cement B	ars,	Pound	1600	
Ероху С	Coated			1090	

TOTAL SHEETS	SHEET NO.		
45	28		
NO. 60	0R68		
ILLINOIS FED. AID PROJECT			
-	45 NO. 6		



HRM 40	IS WEST HARRISON ST.	DESIGNED - LAB, N	MAA REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FRAMING PLAN		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ENGINEERING GROUP, LLC. SUI	11E 231 LISIDE, IL 60162	CHECKED - MI	REVISED -	STATE OF ILLINOIS	IL BOUTE AS OVER IL BOUTE 120 - STRUCTURE NO 040-0111	2706	12R-1HB-1-BR	LAKE	45	29
INSPECTION & RATING PHO RESEARCH & TESTING FAX	ONE1 (708) 236-0900 X1 (708) 236-0901	DRAWN - LAB, N	MAA REVISED -	DEPARTMENT OF TRANSPORTATION		_	-	CONTRAC	T NO. F	0R68
	DATE - 12/07/2018	CHECKED - MAI, M	MI REVISED -		SHEET NO. S18 OF S25 SHEETS		ILLINOIS FED.	AID PROJECT		

ITEM	UNIT	QUANTITY
Jack and Remove Existing Bearings	Each	21
Temporary Shoring and Cribbing	Each	3

* SUN	MMARY	OF	REA	СТІ	'ONS -	S	SPANS	5-1	& 2
Lo	ads	¢	Brg.	s.	Abut.	Ç	Brg.	Ν.	Abut.
R₽	(k)		6	1.0			34	1.8	
R₅₽	(k)		2	6.6			17	.9	
R Ł	(k)		5	2.8	}		51	.4	
R ім.	(k)		9	.9			10	.8	
R Total	(k)		15	50.3	3		114	4.9	

 $\bigcirc$ 

Removal of Existing Bearing , Temporary Shoring and Cribbing



CONSULTING & DESIGN INSPECTION & RATING DESERVICE & TESTING

DRAWN

DATE - 12/07/2018

LAB

CHECKED - MAL MI

REVISED -	DEPARTMENT OF TRANSPORTATION	IL ROUTE 43 OVER IL ROUTE 120 – S
REVISED -		SHEET NO. S19 OF S25





HBMA 4415 WEST HARRISON ST. ENGINEERING GROUP, LLC, SUITE 231 CONSULTING & DESIGN HILLSIDE, LL GOIG2 INSPECTION & RATING PHONE: 1700 235-0300		DESIGNED - LAB CHECKED - MI DRAWN - LAB	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NORTH ABUTMENT, TYPE I ELASTON Il route 43 over il route 120 –
RESEARCH & LESTING PARS (100/230-050)	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. S20 OF S25





# - N - N

# BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	843
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	25

Measured Along © of Brg.

### NOTES:

- 1. For General Notes and Total Bill of Material, see Sheet SO2.
- 2. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.
- 3. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".
- Existing bearing removal for Girders 3, 4 and 5 at the South Abutment will be paid under Temporary Shoring and Cribbing and will not be paid separately.

LEGEND

Structural Repair of Concrete (depth greater than 5")



Structural Repair of Concrete (depth equal to or less than 5")



Existing bearing removal and replacement with elastomeric bearing

Temporary Shoring and Cribbing and Existing bearing removal and replacement with elastomeric bearing

T REPAIRS	F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
_ STRUCTURE NO 0/0_0111	2706	12R-1HB-1-BR	LAKE	45	32
			CONTRACT	NO. 6	0R68
S25 SHEETS		ILLINOIS FED. A	ID PROJECT		



VENTILATION AND GRADING	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO 0/10_0111	2706	12R-1HB-1-BR	LAKE	45	33
- 31100101E NO: 049-0111			CONTRACT	NO. 6	0R68
25 SHEETS		ILLINOIS FED. A	D PROJECT		



	DESIGNED - WM	REVISED -		NORTH ABUTMENT REPAIRS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VEERING GROUP, LLC. SUITE 231 I TING & OFSICA HILLSIDE, IL 60162	CHECKED - MI	REVISED -		II ROUTE 43 OVER II ROUTE 120 - STRUCTURE NO 049-0111	2706	12R-1HB-1-BR	LAKE	45	34
CTION & RATING PHONE: (708) 236-0900 NRCH & TESTING FAX: (708) 236-0901	DRAWN - WM	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRAC	CT NO. 6	50R68
DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. 523 OF S25 SHEETS		ILLINOIS FED	. AID PROJECT		



### BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	145
Preformed Joint Filler	Foot	90

### NOTES:

For E. Wingwall defects see East Wingwall Elevation

- 1. For General Notes and Total Bill of Material, see Sheet SO2.
- 2. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.
- 3. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".

·····	
	Front face of abutment back wall
	102 <sup>8</sup> "
	$I_{yp}$ , $I_{4}^{"} \phi$ hole, typ.
 kis	Side retainer '2" typ. t. Beam

### NORTH ABUTMENT BEARING ANGLES

Beam	Angle "θ"	Distance "A "
1	8°39′16′′	64"
2	8°40′53′′	6 <sup>3</sup> 16 "
3	8°42′31′′	6′ <sub>16</sub> ″
4	8°44′10′′	6"
5	8°45′49′′	5 <sup>15</sup> 16 "
6	8°47′22′′	57 <sub>8</sub> "
7	8°48′8′′	5 <sup>13</sup> 16 "
8	8°49′41′′	5 <sup>3</sup> 4 "
9	8°51′22′′	5″/6″
10	8°53′4′′	5 <sup>5</sup> 8″
11	8°54′47′′	5 % "
12	8°56′30′′	5½"





Structural Repair of Concrete (depth equal to or less than 5")

\_\_\_\_

Existing bearing removal and replacement with elastomeric bearing

Preformed Joint Filler



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	10

### NOTES:

- 1. For General Notes and Total Bill of Material, see Sheet SO2.
- 2. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired and the type(s) of repairs to be used will be determined by the engineer in the field at the time of construction.
- 3. The contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".



Structural Repair of Concrete (depth equal to or less than 5")

IRS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
_ STRUCTURE NO 0/0_0111	2706	12R-1HB-1-BR	LAKE	45	35	
			CONTRACT	NO. 6	0R68	
S25 SHEETS	ILLINOIS FED. AID 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 size	No. assemblies required	Minimum Iap length
Exp. Jt S. Abut.	#5	40	3'-6"
Exp. Jt. – N. Abut.	#5	28	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.



BSD-1

BSD-1	2-17-2017									
		DESIGNED - JJS	REVISED -		BAB SPLICER ASSEMBLY DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SH SHEETS 1	NO.
ALL SUPERING GROUP, LLC, SUITE 231 ENGINEERING GROUP, LLC, SUITE 231 CONSULTING & DESIGN HILLSIDE, IL 60162 HILLSIDE, IL 60162 PHONE, (708) 236-0900 RESEARCH & TESTING FAXs (708) 236-0901		CHECKED - MI	REVISED -	STATE OF ILLINOIS		2706	12R-1HB-1-BR	LAKE	45	36
		DRAWN - JJS	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 60R	(68
	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. S25 OF S25 SHEETS		ILLINOIS FED.	AID PROJECT		



### STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

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.

						ROAD CONSTRUCTION AHEAD * TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH. (SEE NOTE 2) 200'± (60 m±) DRIVEWAY WORK AREA'I	** TYP FLA: TYP AMB COT SIEEL: SEED IIMIL 40 WEH OR FESS **	E I OR TYPE II BARRICADES WI SHING AMBER LIGHT ON EACH, O E III BARRICADES WITH TWO FL GOR THE LIGHTS ON EACH. (SEE NOTE (60 m±) (60 m±) (70 m	TH ONE R ASHING 1)
					<ol> <li>SIDE ROAD WITH A SPEED SHOWN ON THE DRAWING AN O) ONE "ROAD CONSTRUM MOUNTED ON IT APPI b) THE CLOSED PORTION BLOCKING WITH TYPE THE CROSS SECTION</li> <li>SIDE ROAD WITH A SPEED AS SHOWN ON THE DRAWING O) ONE "ROAD CONSTRUM FLASHER MOUNTED ON OF THE MAIN ROUTE.</li> <li>D) THE CLOSED PORTION BLOCKING WITH TYPE OF THE CLOSED PORTION BLOCKING WITH TYPE OF THE CLOSED PORTION SPACING DURING DAY OPER IN HEIGHT.</li> <li>WHEN THE SIDE ROAD LIES SHOWN ON THE SIDE ROAD LIES</li> </ol>	LIMIT OF 40 MPH (60 km/h) OR LESS AS ND AS DIRECTED BY THE ENGINEER: CTION AHEAD" SIGN 36 × 36 (900×900) WITH A FLASHER ROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE. N OF THE MAIN ROUTE SHALL BE PROTECTED BY I, TYPE II OR TYPE III BARRICADES, 1/3 OF OF THE CLOSED PORTION. LIMIT GREATER THAN 40 MPH (60 km/h) G AND AS DIRECTED BY THE ENGINEER: CTION AHEAD" SIGN 48 × 48 (1.2 m × 1.2 m) WITH A N IT APPROXIMATELY 500' (150 m) IN ADVANCE III BARRICADES, 1/2 OF THE CROSS SECTION FION. ED FOR BARRICADES OR DRUMS AT HALF THE ATIONS. CONES SHALL BE A MINIMUM OF 28 (710) DETWEEN THE BEGINNING OF THE MAINLINE	<ol> <li>WHEN WORK IS E FOLLOW THE APF ARROW (M6-1 OR NO LONGER CONS</li> <li>ADVANCE WARNIN UNLESS OTHERWI ENGINEER.</li> <li>THE TRAFFIC CO INTERSECTIONS, COST OF SPECIF</li> </ol>	BEING PERFORMED ON A SIDE RO PLICABLE STANDARD(S), THE DIR MG-4) SHALL BE COVERED OR F SISTENT WITH THE TRAFFIC CON NG SIGNS ARE TO BE OMITTED C ISE SPECIFIED IN THE PLANS OF ONTROL AND PROTECTION FOR SI AND DRIVEWAYS SHALL BE INCL TED TRAFFIC CONTROL STANDAR	AD OR DRIVEWAY, ECTIONAL REMOVED WHEN TROL SET-UP. NO DRIVEWAYS BY THE DE ROADS, UDED IN THE DS OR ITEMS.
					SIGNING AND THE WORK ZO BE USED IN LIEU OF THE	INE, A SINGLE HEADED ARROW (M6-1) SHALL DOUBLE HEADED ARROW (M6-4).		All dimensions are in incl unless otherwise shown. IF.A.U.I	hes (millimeters)
pwt/\lL084EBIDINTEG.1llnois.gov#PWIDOT\Do	puments/IDOT Offices/District 1/Projects/Dist PLOT SCALE = 50,000 // in. PLOT DATE = 9/15/2016	IDRAWN\CADDeta\CADsheets\tcl0.dgn       CHECKED       DATE	REVISED - A. SCHUETZE 07-01-13 REVISED - A. SCHUETZE 07-11-3	STATE OF I DEPARTMENT OF TF	LLINOIS ANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEW           SCALE:         NONE         SHEET 1         OF 1         SHEETS         STA.	DR /AYS TO STA.	RTE.         SECTION           2706         12R-1HB-1-BR           TC-10         C(           ILLINOIS FED. AID PF	LAKE 45 37 DNTRACT NO. 60R68

Def





FILE NAME =	USER NAME = leysa	DESIGNED -	REVISED -T. RAMMACHER 09-19-94			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	HEET NO.
c:\pw_work\pwidot\leysa\d0108315\tcl1.dgn		DRAWN -	REVISED -T. RAMMACHER 03-12-99	STATE OF ILLINOIS		2706	12R-1HB-1-BR	LAKE	45	38
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 01-06-00	DEPARTMENT OF TRANSPORTATION	RAIJED REFLECTIVE PAVEMENT MARKENJ (JNUVV-PLUVV REJIJANT)		TC-11	CONTRAC	T NO. 6C	R68
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. RO	AD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		

### 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE. 2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES. 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED. 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE

unless otherwise shown.









### LANE REDUCTION TRANSITION

# Lane reduction arrows required at speeds of 45 MPH or greater or when specified in plans.

LINE	PATTERN	COLOR	SPACING /REMARKS
	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
	SOLID	YELLOW	11 (280) C-C
	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
EWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
BEING	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
'ULL & _4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
N ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH, 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1,8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSVALM, IF PRESENT. OTHERWISE, PLACE AT DESINED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
TH NALS USED FOR MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
2 (300) 5°	SOLID	WHITE	DIACONALS: 15'(4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20'(6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30'(9 m) C-C (0VER 45MPH (70 km/h))
VERSE 6′(1.8 m) 00)	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF1 "X"=3.6 SO. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SO. FT. (5.0 m <sup>2</sup> )
	SOLID	WHITE - RIGHT Yellow - Left	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (0VER 45MPH (70 km/h))
	SOLID	WHITE	16.3 SF
	SOLID	WHITE	30.4 SF

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

ONE T MARKINGS		F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		2706	12R-1HB-1-BR	LAKE	45	41			
			TC-13	CONTRACT	NO. 6	0R68			
S STA	TO STA.	ILLINOIS FED. AID PROJECT							

## TURN BAY ENTRANCE AT START **OF LANE CLOSURE TAPER**





### NOTES:

- 1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
  - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-IIOOR 24 x 24 (600 x 600) AND M6-2R 21 × 15 (530 × 380) SHALL BE USED.
- 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



FILE NAME =	USER NAME = footemj	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09		TRAF	FIC CONTROL AND PROTECTION AT TURN BAYS	F.A.U. RTE	SECTION	COUNTY	TOTAL	SHEET
pw:\\IL084EBIDINTEG.1ll1no1s.go	gov:PWIDOT\Documents\IDOT_Offices\District_1\Projects\Dis	to the answer of the terms of the second states of	REVISED - A. SCHUETZE 07-01-13	STATE OF ILLINOIS		2706	12R-1HB-1-BR	LAKE	45	42	
	PLOT SCALE = 50.0000 ' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16	DEPARTMENT OF TRANSPORTATION		(TO REMAIN OPEN TO TRAFFIC)		TC-14	CONTRACT	T NO.	60R68
Default	PLOT DATE = 9/15/2016	REVISED -T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS F	ED. AID PROJECT		



G LETTERS AND SYMBOLS		F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		2706	12R-1HB-1-BR	LAKE	45	43			
				TC-16	CONTRACT	NO. 6	0R68		
	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

![](_page_44_Figure_0.jpeg)

Default	PLOT DATE = 11/27/2017	DATE – 11-96	REVISED - M.D. 01-18		SCALE: NONE	SHEET 1	OF 1	SHEET
	PLOT SCALE = 50.0000 ' / 1n.	CHECKED -	REVISED - M.D. 06-13	DEPARTMENT OF TRANSPORTATION	SHOULDER CLUSURES AND PA			
pw:\\ILØ84EBIDINTEG.1ll1no1s.gov:PWIDOT\Do	cuments\IDOT Offices\District 1\Projects\Dist	St <b>DRAWN</b> \CADData\C <b>ADWvS</b> ats\tc17.dgn	REVISED - S.P.B. 12-09	STATE OF ILLINOIS	011011			
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07					DETA

![](_page_45_Figure_0.jpeg)

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

REVISED - C. JUCIUS 01-31-07

PLOT DATE = 1/4/2008

DATE

OAD N SIGN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		2706	2706 12R-1HB-1-BR		45	45		
			TC-22	CONTRACT	NO. 6	0R68		
	STA.	TO STA.	FED. RC	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				