



# **COMMITMENTS**

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

	SUMMARY OF QUANTITIES					
	CODE NO.	ITEM	UNIT	QUANTITY		
	28100209	STONE RIPRAP, CLASS A5	TON	820		
	28200200	FILTER FABRIC	SQ YD	865		
-	42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	130		
-	42001300	PROTECTIVE COAT	SQ YD	1003.8		
	44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	235		
	48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	165		
	50102400	CONCRETE REMOVAL	CU YD	11.2		
	50200100	STRUCTURE EXCAVATION	CU YD	255		
-	50300225	CONCRETE STRUCTURES	CU YD	144.5		
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	20.7		
	50300280	CONCRETE ENCASEMENT	CU YD	10.0		
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	83.1		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	47,480		
	50900200	STEEL RAILING, TYPE 2399	FOOT	87		
	51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	1,170		
	51202305	DRIVING PILES	FOOT	1,170		
	51203200	TEST PILE METAL SHELLS	EACH	2		
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	84		
	52100010	ELASTOMERIC BEARING ASSEMBLY TYPE 1	EACH	10		
-	52100520	ANCHOR BOLTS, 1"	EACH	20		
	58600101	GRANULAR BACKFILL FOR STRUCTURES		120		
	58700300	CONCRETE SEALER	SQ FT	650		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	110		
	60146304	PIPE UNDERDRAINS FOR STRUÇTURES 4"	FOOT	100		
٥Ľ	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2		
⊕∟	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2		
1	63100167	TRAFFIC BARRJER TERMINAL, TYPE 1 (SPECIAL) TANGENT	ÉACH	2		
	63200310	GUARDRAIL REMOVAL	FOOT	350		
	67100100	MOBILIZATION	L SUM	1		
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1		
	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	10		
	Z0003617	REMOVAL OF EXISTING SUB-STRUCTURES	EACH	2		
E	20073400	TEMPORARY SUPPORT SYSTEM	EACH	2		

#### **HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

	· · · · · · · · · · · · · · · · · · ·	
	HMA BINDER	HMA SURFACE
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ N50	4% @ N50
MIXTURE COMPOSITION:	IL-19.0	1L-9.5
FRICTION AGGREGATE:		MIXTURE C
DENSITY TEST METHOD:	CORES	CORES
MIXTURE WEIGHT:	112#/SQ YD/IN	112#/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	LR1030-2	LR1030-2
SUBLOT SIZE:	N/A	N/A
LOCATION(S):	STA. 636+75.50-636+93.87 STA. 640+07.13-640+25.50	STA. 636+75.50-636+93.87 STA. 640+07.13-640+25.50

If RAP option is selected, the asphalt cement grade may need

to be adjusted. This will be determined by the Engineer.



HOT-MIX ASPHALT	SURFACE	REMOVAL
STATION TO STATION	WIDTH	LENGTH
636+75.50 - 637+22.72	22'	47.22'
639+78.28 - 640+25.50	22'	47.80'
TOTAL		

НОТ	-MIX ASPHAL	T SHOULDERS	5, 4"	
STATION TO STATIC	N SIDE	WIDTH	LENGTH	SQ YD
635+78.17 636+21.	17 RT	3.63' AVG.	43.00'	17
636+21.17 636+75	50 RT	7.33'	54.33'	44
636+75.50 637+08.	.32 RT	4.33'	32.82'	16
637+08.32 637+18.	.67 RT	3.54' AVG.	10.35'	4
639+82.33 639+92.	.55 LT	3.54' AVG.	10.35'	4
639+92.55 640+25.	.50 LT	4,33'	32.82'	16
640+25.50 640+79.	83 LT	7.33'	54.33'	44
640+79.83 641+30.	.00 LT	3.63' AVG.	50.17'	20
				165

1	SP	ECI	ALTY	I TEM
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PAVEMENT CON BRIDGE AI	NECTOR (HMA) PPROACH SLAE	FOR
STATION TO STATION	WIDTH	SQ YD
636+75.50 - 636+93.87	29.50'	65
640+07.13 - 640+25.50	29.50'	65
TOTAL		130

USER NAME = JSavage	DESIGNED - JPS	REVISED	IROOLIOIS COUNTY	IROQUOIS COUNTY     GENERAL NOTES, TYPICAL SECTIONS,     If       F.A.S. 330 (CH 31) OVER     SUMMARY OF QUANTITIES, SCHEDULE OF QUANTITIES     If		COUNT	Y TOTAL SHEET
	DRAWN - JPS	REVISED -				3-BR IROQUO	45 25 2
PLDT SCALE = \$SCALES	CHECKED - JPS/BAN	REVISED -	r.A.J. JJU (GR JI) UVEN			CONTR	ACT NO. 87850
PLOT DATE == 1/15/2025	DATE - 12/31/2024	REVISED	IKUUUUIS KIVEK	SCALE: NONE SHEET 1 OF 1 SHEETS STA. 636+75.50 TO STA. 640+25.50	FED. ROAD DIST. NO. 7	NOIS FED. AID PROJECT	f NO. 54W8(571)

# **GENERAL NOTES**

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

ALL EXISTING DRAINAGE STRUCTURES NOT BEING REMOVED BY THE CONTRACTOR THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY. ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUC-TION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED. THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

TRAFFIC BARRIER T	ERMINAL,	TYPE 6A
STATION TO STATION	SIDE	EACH
636+81.17 637+18.67	RT	1
639+83.33 640+19.83	Ľ۴	1
TOTAL		2

6"
SQ YD
118
117
235

TRAFFIC BARRIER	TERMINAL,	TYPE 2
STATION TO STATION	SIDE	EACH
636+87,89 637+00.39	LT	1
640+00.61 640+13.11	RT	1
TOTAL		2

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT							
STATION TO STATION	SIDE	EACH					
636+31.17 636+81.17	RT	1					
640+19.83 640+69.83	LT	1					
TOTAL		2					





		F.A.S. RTE	SECT	FION	COUNTY	TOTAL SHEETS	SHEET NO.
		330	22-0014	9-03-BR	IROQUOIS	25	4
					CONTRAC	Τ ΝΟ. 8	37850
STA. 636+75.50	TO STA. 640+25.50	FED. R	OAD DIST, NO. 7	ILLINOIS	FED. AID PROJECT	NO. 54W8(	571)



GRAPHIC SCALE IN FEET

CULTIVATED

1 GUARDRAIL TO BE REMOVED

- 2 PROPOSED TRAFFIC BARRIER TERMINALS TYPE 6A AND TYPE 1 SPECIAL TANGENT
- 3 PROPOSED TRAFFIC BARRIER TERMINALS TYPE 2
- 4 HMA PAVEMENT CONNECTORS
- 5 4" PAVED HMA SHOULDERS



**OVER IROQUOIS RIVER** 

SCALE: N/A

SHEET 1 OF 21 SHEETS

JOB#4968 PLOT DATE = 12/31/2024

2023

DATE

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11/05/2024

REVISED

	F.A.S. RTE,	SECT	FION		COUNTY	SHEETS	NO.	
LEVATION	330	22-00149-03-BR			IROQUOIS	25	5	
	SN 038-4603				CONTRACT NO. 87850			
			ILLINOIS	FEO	AID PROJECT NO.	54W8(573	)	



Note:

All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into \*concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

#### <u>GENERAL NOTES</u>

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 excavation beyond that required to construct the new concrete abutments shall be included in the cost of Removal of Existing Sub-Structures.

Reinforcement bars designated (E) shall be epoxy coated.

*Granular Backfill behind the abutments shall be compacted according to Article 205.06 of the Standard Specifications.* 

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

No field welding is permitted except as specified in the contract documents. The temporary support system shall be in place prior to abutment removal.

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL/JPS	REVISED -	IROQUOIS COUNTY		F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	EAS 330 (CH 31)	GENERAL NOTES, DETAILS & BILL OF MATERIALS	330	22-00149-03-BR	IROQUOIS	25	6
2 PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -				SN 038-4603	CONTRACT	NO. 878	50
Ē 2023 JOB#4968	PLOT DATE = 1/2/2025	DATE - 10/29/2024	REVISED -	UVEN INDUDUIS RIVER	SCALE: N/A SHEET 2 OF 21 SHEETS		ILLINOIS	FED. AID PROJECT NO.	54W8(571	.)

	<u>······</u>				
	ITEM	UNIT	SUPER	SUB	TOTAL
$\mathcal{D}$	Granular Backfill for Structures	CU YD		120	120
	Stone Riprap, Class A5	TON		820	820
	Filter Fabric	SQ YD		865	865
$\mathbb{D}$	Removal of Existing Sub-Structure	EACH		2	2
	Structure Excavation	CU YD		255	255
	Concrete Structures	CU YD		144.5	144.5
	Concrete Superstructure	CU YD	20.7		20.7
	Concrete Superstructure (Approach Slab)	CU YD	83.1		83.1
	Concrete Encasement	CUYD		10.0	10.0
$\mathbb{D}$	Protective Coat	SQ YD	1003.8		1003.8
	Concrete Removal	CU YD	11.2		11.2
	Concrete Sealer	SQ FT		650	650
	Reinforcement Bars, Epoxy Coated	POUND	36,280	11,200	47,480
	Steel Railing, Type 2399	FOOT	87		87
	Anchor Bolts 1"	EACH	20		20
	Elastomeric Bearing Assembly Type 1	EACH		10	10
	Furnishing Metal Shell Piles 12" x 0.250"	FOOT		1,170	1,170
	Driving Piles	FOOT		1,170	1,170
	Test Pile Metal Shells	EACH		2	2
	Preformed Joint Strip Seal	FOOT		84	84
$\mathcal{D}$	Temporary Support System	EACH		2	2
	Geocomposite Wall Drain	SQ YD		110	110
	Pipe Underdrains for Structures 4"	FOOT		100	100
$\mathcal{D}$	Jack and Remove Existing Bearings	EACH	10		10

① See Special Provisions

# TOTAL BILL OF MATERIAL

\*Dimension to be adjusted as necessary to remove transverse rebar close to concrete removal line.



PLAN

Note:

LEGEND

CONCRETE REMOVAL

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---- EXISTING REINFORCEMENT CUT LINE

efault	Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL/JPS	REVISED -	IROQUOIS COUNTY		F.A.S. RTE	SECTION	COUNTY	TOTAL	SHEET NO.
1	JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	FAS 330 (CH 31)	SUPERSTRUCTURE REMOVAL PLAN	330	22-00149-03-BR	IROQUOIS	25	7
ODE	PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -				SN 038-4603	CONTRACT	NO. 878	,50
Σū	Z023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 10/29/2024	REVISED -	OVEN INDUDUIS NIVEN	SCALE: N/A SHEET 3 OF 21 SHEETS		ILLINOIS FED	AID PROJECT NO	D. 54W8(57	1)

Existing transverse and longitudinal reinforcement in the deck not being removed shall be cleaned, straightened, and incorporated into the new construction.

# BILL OF MATERIAL

Item	Unit	Total		
Concrete Removal	CU YD	11.2		

\*Dimension to be adjusted as necessary to remove transverse rebar close to concrete removal line.



<u>PLAN</u>



# EXISTING CROSS SECTION

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL/JPS	REVISED -	IROQUOIS COUNTY		F.A.S. RTE SECTION	COUNTY TOTAL SHEET SHEETS NO.
JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	F.A.S. 330 (CH 31)	SUPERSTRUCTURE	330 22-00149-03-BR	IROQUOIS 25 8
PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -			SN 038-4603	CONTRACT NO. 87850
<sup>III</sup> 2023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 11/06/2024	REVISED -		SCALE: N/A SHEET 4 OF 21 SHEETS	ILLINOIS FED	AID PROJECT NO. 54W8(571)

# SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	128	#6	9'-2"	-
b(E)	142	#5	5'-6"	
b1(E)	28	#4	5'-6"	
Concrete	Superstr	ucture	Cu. Yd.	13.0
Protective	e Coat		Sq. Yd.	45.2
Reinforce Epoxy Coa	ment Bar ated	Pound	2,680	



Notes:

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

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4<sup>1</sup>/<sub>2</sub>" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

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

The Maximum space between locking edge rail segments shall be  $\frac{3}{16}$ " 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.

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.

# EXPANSION JOINT BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
Prefor Strip S	med Jo Seal	oint	FOOT	84

	F.A.S. RTE	SEC	ΓION		COUNTY	TOTAL SHEETS	SHEET NO.
IP SEAL	330	22-00149-03-BR			IROQUOIS	25	9
		SN 038-4	603		CONTRACT	NO. 878	50
			<b>JULINOIS</b>	FED	AID PROJECT NO.	5410/0/571	)





	utchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY		F.A.S. RTE	SECTION	COUNTY	TOTAL	SHEET NO.
DEL: D	JACKSONVILLE-SHOREWOOD PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	DRAWN - ZL CHECKED - BAN	REVISED - REVISED -	F.A.S. 330 (CH 31)	APPROACH SLAB	330	22-00149-03-BR		25 T NO 878	10
<sup>오 큰</sup> 2023	JOB#4968	PLOT DATE = 12/27/2024	DATE - 04/10/2023	REVISED -	OVER IROQUOIS RIVER	SCALE: N/A SHEET 6 OF 21 SHEETS		ILLINOIS FE	D, AID PROJECT NO	D. 54W8(571	)



TOP AND	ВОТТОМ	ELEVATIONS
FOR A	APPROACH	I FOOTING

So	uth Approa	ach	North Approach				
Point/ Location	Point/ .ocation Top		Point/ Location	Тор	Bottom		
A -	637.77	636.94	A -	635.45	634.62		
B -	638.04	637.21	В –	635.57	634.73		
C -	637.92	637.09	С -	635.29	634.46		
D -	637.88	637.04	D -	635.34	634.51		
E -	638.15	637.32	Ε-	635.46	634.63		
F -	638.03	637.20	F -	635.19	634.36		



iefault ≣: V:\4	Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY		F.A.S. SECTION	COUNTY TOTAL SHEET SHEETS NO.
NAMI	JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	F.A.S. 330 (CH 31)	APPROACH SLAB DETAILS	330 22-00149-03-BR	IROQUOIS 25 11
ILE 1	PEORIA-QUAD CITTES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -			SN 038-4603	CONTRACT NO. 87850
2 ш	2023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 04/10/2023	REVISED -		SCALE: N/A SHEET 7 OF 21 SHEETS	ILLINOIS F	ED. AID PROJECT NO. 54W8(571)

Curb concrete under railing shall be paid for as Concrete Superstructure. Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 21.

See sheet 10 thru 15 of 21 for hatched block details.

HMA Pavement Connector shall have a minimum 1.5" Surface Course lift. The remainder

# TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	78	#5	30'-1"	
a11(E)	104	#8	33'-1"	
a12(E)	76	#5	7'-4"	
b10(E)	86	#5	29'-8''	
b11(E)	140	#9	29'-8''	
b12(E)	16	#5	16'-2"	
b13(E)	2	#4	14'-2''	
b14(E)	2	#4	16'-0"	
d10(E)	72	#5	6'-8"	
10(5)	10		1.01 21	
eIO(E)	12	#4	16'-2"	
+10(E)	120	# 1	1 11 71	
(IU(E)	120	#4	11-2	
w10(F)	80	#5	3 3'-1"	
W10(L)	00		55 1	
Concrete	Superstr	ucture	Cu. Yd.	7.7
Concrete	Superstr	ucture	Cu Vd	02.1
(Approach	Slab)		<i>cu. ru.</i>	03.1
Concrete	Structur	es	Cu. Yd.	26.9
Reinforce	ment Bai	<sup>-</sup> S,	Pound	33 600
Ероху Со	ated		, ound	55,000

.9"		



Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly,

Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50W. All bearing plates, side retainers, anchor bolts, studs,

nuts, washers, and fill plates shall be galvanized according to AASHTO M111 or M232 as applicable. H.S. bolts in bearing assembly shall be galvanized

according to AASHTO M298 Class 50.

\*¾" Ø Threaded stud

with flat washer &

₽ 1½" x 11" x 1'-10"

<u>5- Layers</u> of7/<sub>16</sub>"

elastomer

hex nut. (4-regd.)

Two  $\frac{1}{16}$ " adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown in the bearing details.

- Structural Steel.

1/4" Stainless steel plate, A240, Type 304, No. 1 finish.



SIDE RETAINER AT NORTH ABUTMENT Equivalent rolled angle with stiffeners

will be allowed in lieu of welded plates.

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED -	ZL/JPS	REVISED -	IROQUOIS COUNTY				F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JACKSONVILLE-SHOREWOOD		DRAWN -	ZL	REVISED -	F.A.S. 330 (CH 31)		BEARING	i	330	22-00149-03-BR	IROQUOIS	25	12
PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED -	BAN 10/30/2024	REVISED -	OVER IROQUOIS RIVER	SCALE: N/A	SHEET 8 OF 21 SHEETS			SN 038-4603	CONTRACT	F NO. 8785	0ذ
23 JUB#4968	1201 DATE = 12/21/2024	DAIL -	10/30/2024	REVISED -		JCALL. N/A	SHEET 0 01 21 SHEETS			ILLINOIS	FED, AID PROJECT NG	J. 54W8(571)	



#### JACK AND REMOVE EXISTING BEARING PROCEDURE

1. The Contractor shall submit for approval by the Engineer, plans for lifting existing beams and installing new bearings prior to commencing any related work. This work shall be done after existing concrete deck is partially removed and prior to pouring of the new concrete. The maximum dead load reaction per beam (weight of steel &existing deck only) is 33k. Minimum jack capacity = 66k.

2. Prior to ordering any material, the Contractor shall verify steel extension and shim plate thicknesses required at each bearing.

3. The bottom flange of the existing beam shall be cleaned as specified for

4. The new bearings and steel extensions shall be in place and the jacks shall be lowered before the new concrete deck is poured.

## BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	10
Anchor Bolts	Each	20
Jack and Remove Existing Bearings	Each	10



31 0							]	Item	Unit (	Juantity	
Ð							Steel Raili	ng, Type 2399	Foot	87	
- 896t						-					
v.V	Hutchison Engineering Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -			F A S BTE	SECTION	COUNT	TOTAL	SHEET
AME	JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -		STEEL RAILING, TYPE 2399	330	22-00149-03-BR	IROQUO	IS 25	13
	PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -				SN 038-4603	CONTR	ACT NO. 878	850
Σ.I.I.	2023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 11/06/2024	REVISED -	UVER IKUUUUIS RIVER	SCALE: N/A SHEET 9 OF 21 SHEETS		ILLINOIS	FED. AID PROJECT	NO. 54W8(57	1)

Notes: Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge. Provide one  $\frac{1}{8}$ " and two  $\frac{1}{16}$ " steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. All HSS tubing shall be CVN tested according to

Article 1006.34(b) of the Standard Specifications. Rail splice inserts may be built out of  $2 -\frac{3}{6}$ " bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched. All round head bolts shall be ASTM A307 with

locknuts according to ASTM A563 grade A. The Steel Railing, Type 2399 quantity shall be adjusted according to amount of existing rail that is salvaged and utilized in the new construction.

See sheets 4 & 6 of 21 for rail spacing and rail post locations.



# BILL OF MATERIAL



## PLAN



# PILE CAP PLAN

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - JPS	REVISED -	IROQUOIS COUNTY			F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	EAS 330 (CH 31)		SOUTH ABUTMENT	330	22-00149-03-BR	IROQUOIS	25	14
PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -				_	SN 038-4603	CONTRACT	i NO. 878	50
<sup>∞</sup> 2023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 11/06/2024	REVISED -		SCALE: N/A	SHEET 10 OF 21 SHEETS		ILLINOIS	FED AID PROJECT NO	), 54W8(57	)

5'-53<sub>/4</sub>''

è



SECTION B-B (Showing dimensions)



## SECTION A-A (Showing dimensions)



PLOT SCALE = \$SCALE\$ JOB#4968 PLOT DATE = 12/27/2024

DATE - 11/06/2024

REVISED -

SHEET 11 OF 21 SHEET

SCALE: N/A

IMENT -		F.A.S. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		330	22-0014	22-00149-03-BR		IROQUOIS	25	15
			SN 038-40	603		CONTRACT	NO. 878	50
S				ILLINOIS	FED	AID PROJECT NO.	54W8(571	)



Hut Getault	tchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - JPS	REVISED -	IROQUOIS COUNTY		F.A.S. RTE	SECTION	COUNTY TOTAL SHEET SHEETS NO.
AMM 1	JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	F.A.S. 330 (CH 31)	SOUTH ABUTMENT	330	22-00149-03-BR	IROQUOIS 25 16
	PEORIA-QUAD CITTES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -			_	SN 038-4603	CONTRACT NO. 87850
<sup>∑ </sup> 2023	JOB#4968	PLOT DATE = 12/27/2024	DATE - 11/06/2024	REVISED -		SCALE: N/A SHEET 12 OF 21 SHEETS		ILLINOIS FED.	AID PROJECT NO. 54W8(571)

#### Notes:

Hatched area to be poured separately after superstructure falsework has been removed and after approach slab side formwork has been removed.

Quantity of concrete in hatched area included with Concrete Superstructure on sheet 4 of 21.

Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap.

For details of piles and Concrete Encasement,

see sheet 21 of 21.

The top of back wall and approach slab seat shall have a constant slope determined from the control points shown.

Concrete Sealer shall be applied to the bearing seats and front faces of the hatched block, back wall, and abutment cap.



\_ h3(E)

## S. ABUTMENT BILL OF MATERIAL

-		01 11	() = ((1))	
Bar	No.	Size	Length	Shape
d(E)	4	#5	8'-10"	
h(E)	10	#4	39'-6"	
h1(E)	16	#4	15'-3"	
h2(E)	8	#4	14'-5"	
h3(E)	8	#4	16'-0"	
h4(E)	4	#5	39'-7"	
p(E)	10	#7	44'-2"	
p1(E)	12	#7	17'-6"	
s(E)	38	#5	16'-7"	
s1(E)	44	#4	11'-1"	
u(E)	8	#6	13'-3"	
u1(E)	2	#4	7'-11"	
u2(E)	10	#4	10'-2"	
u3(E)	37	#5	4'-0"	
v(E)	74	#5	7'-2"	
v1(E)	44	#5	9'-0"	
v2(E)	46	#6	7'-6"	
v3(E)	74	#5	4'-0"	
v4(E)	3/	#5	4'-6"	
CL I			6 V I	120
Structur	e exca	vation	Cu. Ya.	130
Concrete	e Struci	ures	Cu. ra.	58.8
Reinford	ement .	Bars,	Pound	5,600
Epoxy C	oated	,		
Furnishi	ng – Pi	les,	Foot	570
Metal Sr	nell Oll mark	_	FUUL	570
12"XU.25	D'Les A	5		
Driving	PHES, N	letai 	Foot	570
Shell 12	x0.250	wans		
Sholl 17	e, Meta. ™⊻0.250	l "walle	Each	1
Concrete	x0.230	walls	Cu Vd	5.0
Concrete	Saala	r	Sa Et	325
	; Jealei		JY. IL.	1 323



Type: Metal Shell 12"x0.250" walls Nominal Required Bearing: 293 kips Factored Resistance Available: 161 kips Est. Length: 57 ft No. Production Piles: 11 No. Test Piles: 1

Back of Abut.







# PILE CAP PLAN

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - JPS	REVISED -	IROQUOIS COUNTY		F.A.S. SECTION	COUNTY TOTAL SHEET SHEETS NO.
JACKSONVILLE-SHOREWOOD		DRAWN - ZL	REVISED -	F.A.S. 330 (CH 31)	NORTH ABUTMENT	330 22-00149-03-BR	IROQUOIS 25 17
PEORIA-QUAD CITTES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -			SN 038-4603	CONTRACT NO. 87850
	PLOT DATE = 12/27/2024	DATE - 11/06/2024	REVISED -		SCALE: N/A SHEET 13 OF 21 SHEETS	ILLINOIS FE	D. AID PROJECT NO. 54W8(571)



<u>SECTION B-B</u> (Showing dimensions)



SECTION A-A (Showing dimensions)



F.A.S. 330 (CH 31) JACKSONVILLE-SHOREWOOD PEORIA-QUAD CITIES-CARBONDALE PLOT SCALE = \$SCALE\$ CHECKED - BAN REVISED -**OVER IROQUOIS RIVER** JOB#4968 PLOT DATE = 12/27/2024 SCALE: N/A DATE - 11/06/2024 REVISED -

			F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			330	22-00149-03-BR	IROQUOIS	25	18
				SN 038-4603	CONTRACT	NO. 878	50
	SHEET 14 OF 21	SHEETS		ILLINOIS FE	D. AID PROJECT NO	54W8(571	.)



Hutchison Engineering, Inc.	Designeering, Inc. User NAME = JSavage DESIGNED - JPS REVISED - IROQUOIS COUNTY							F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JACKSONVILLE-SHOREWOOD		DRAWN -	ZL	REVISED -	EAS 330 (CH 31)		NORTH ABUTMENT	330	22-00149-03-BR	IROQUOIS	25	19
PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	CHECKED -	BAN	REVISED -					SN 038-4603	CONTRACT	NO. 878	,50
2023 JOB#4968	PLOT DATE = 12/27/2024	DATE -	11/06/2024	REVISED -	UVEN INULUUIS NIVEN	SCALE: N/A	SHEET 15 OF 21 SHEETS		ILLINOIS	FED. AID PROJECT NO	D. 54W8(57	1)

#### Notes:

Hatched area to be poured separately after superstructure falsework has been removed and after approach slab side formwork has been removed.

Quantity of concrete in hatched area is included with Concrete Superstructure on sheet 4 of 21.

Space reinforcement in cap to miss anchor bolts.

Pour steps monolithically with cap.

For details of piles and Concrete Encasement, see sheet 21 of 21.

The top of back wall and approach slab seat shall have a constant slope determined from the control points shown.

Concrete Sealer shall be applied to the bearing seats and front faces of the hatched block, back wall, and abutment cap.



#### N. ABUTMENT BILL OF MATERIAL

-		01 11/	() <b>L</b> ((1))				
Bar	No.	Size	Length	Shape			
d(E)	4	#5	8'-10"				
h(E)	10	#4	39'-6"				
h1(E)	16	#4	15'-3"				
h2(E)	8	#4	14'-5"				
h3(E)	8	#4	16'-0"				
h4(E)	4	#5	39'-7"				
p(E)	10	#7	44'-2"				
p1(E)	12	#7	17'-6"				
s(E)	38	#5	16'-7"				
s1(E)	44	#4	11'-1"				
u(E)	8	#6	13'-3"				
u1(E)	2	#4	7'-11"				
u2(E)	10	#4	10'-2"				
u3(E)	37	#5	4'-0''				
v(E)	74	#5	7'-2"				
v1(E)	44	#5	9'-0"				
v2(E)	46	#6	7'-6"				
v3(E)	74	#5	4'-0''				
v4(E)	37	#5	4'-6"	٦			
Structur	e Exca	vation	Cu.Yd.	125			
Concrete	e Struct	ures	Cu.Yd.	58.8			
Reinford	ement i	Bars,	Pound	5 600			
Ероху С	oated		Tounu	5,000			
Furnishi Piles 12	ng Meta "x0.250	al Shell "	Foot	600			
Driving	Piles		Foot	600			
Test Pil	e Metal			-			
Shells			Each	1			
Concrete	e Encas	ement	Cu.Yd.	5.0			
Concrete	Sealer	r	Sa. Ft.	325			





# PILE DATA

Type: Metal Shell 12"x0.250" walls Nominal Required Bearing: 294 kips Factored Resistance Available: 162 kips Est. Length: 60 ft No. Production Piles: 11 No. Test Piles: 1







Hutchison Engineeri	ng, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY		F.A.S. RTE	SECTION	COUNTY	SHEETS	SHEET NO.
JACKSONVILLE_SHOREWO	OD		DRAWN - ZL	REVISED -	FAS 330 (CH 31)	METAL SHELL DETAILS	330	22-00149-03-BR	IROQUOIS	25	20
B PEORIA-QUAD CITIES-CARBOI	NDALE	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -				SN 038-4603	CONTRACT	NO. 878	0ذ
ž E 2023	JOB#4968	PLOT DATE = 12/27/2024	DATE - 04/10/2023	REVISED -	UVER INDUDUIS RIVER	SCALE: N/A SHEET 16 OF 21 SHEETS		ILLINOIS FEE	AID PROJECT NO.	54W8(571	,

Dana	Midwest Testing Services, Inc.		E	BOF	RIN	G L	OG	-		Phon	e: 815-223-6696
	3705 Progress Blvd.           Peru, IL 61354		SI	neet	1	of	5			Fax: e-ma	815-223-6659 il: mts37@comcast.net
Client:	Hutchison Engineering, Inc.	1	Bo	ring	No.			B-1			
Project Na	ame Section No. 22-00149-03-BR SN 038-4603	-	Sur	face	e Ele	v.	6	537.0	0	-	
Project Si	ite: Middleport Twp.		Au	ger l	Dept	h		91'		Rota	ry Depth NA
	Iroquois County, Illinois	_	Sta	rt D	ate		0′	7/08/	23	Finis	sh Date 07/08/23
						S/	AMP	LES		_	DRILLED BY
Location:	7' RT of Centerline, Station 637+20										Randy Safranski
	North Abutment						vs)			PCF	Diedrich D-120
					ype	0	Blov	ıcar	(%)	ity (	Distantin D 180
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<b>—</b> 631.00			6								
-			Ľ,								
_ 030.00			Γ΄								
- 629.00	Medium Stiff to Stiff		-8	3	SS	1.2	5	В	17		
-	Brown/Black Silty Clay (Fill)		F								
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017.00	Medium Stiff to Stiff			8	SS	13	6	S	25	1	
Comp land	Black Silty Clay	1	07	Ľ		1.5	Ŭ				

3705 Progress Blvd. . 🕂 🎟 Peru, IL 61354 

 Client:
 Hutchison Engineering, Inc.

 Project Name
 Section No. 22-00149-03-BR
 SN 038-4603

 Project Site:
 Middleport Twp.

 Iroquois County, Illinois Location: 7' RT of Centerline, Station 637+20 North Abutment (DEPTH) ELEV. iraphi Log DESCRIPTION OF MATERIALS 616.00 615.00 -2 -614.00 -2 Medium Stiff to Stiff Gray Clay 613.00 -24 -612.00 -2 611.00 -2 610.00 -2 - 609.00 -28 608.00 -29 Loose Gray Clay & Fine Sand 607.00 - 606.00 -3 \_-----605.00 <u>3</u> - 604.00 -3 -603.00 -602.00 \_ 3 Medium Stiff to Stiff -601.00 \_ 3 Gray Clay 600.00 \_3 - 599.00 \_ ? 598.00 \_\_\_3 - 597.00 \_4 596.00 \_ 4

Midwest Testing Services, Inc.

Groundwater Data: Static water level after auger removal - Elevation 60' Comments: Groundwater Data: Static water level after auger removal - Elevation 607 Comments:

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY			F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JACKSONVILLE-SHOREWOOD PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	DRAWN - ZL CHECKED - BAN	REVISED -	F.A.S. 330 (CH 31)	SUIT BOKING2			22-00149-03-BR	IROQUOIS	25	21
브JOB#4968	PLOT DATE = 12/27/2024	DATE - 12/20/2023	REVISED -	OVER IROQUOIS RIVER	SCALE: N/A	SHEET 17 OF 21 SHEETS		SN 038-4603	FED. AID PROJECT NO.	NO. 878	1)

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Sł	neet	2	of	5			Fax: e-ma	815-223-60	559 neast net
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)	Midwest Testing Services, Inc.		Ē	BOF	RIN	GL	OG			Phon	le: 815-223-66	596	
	3705 Progress Blvd. Peru, IL 61354		SI	heet	3	of	5			Fax: e-ma	815-223-66 il: mts37@con	ncast.net	
Client: Hutchi	son Engineering, Inc.	-	Bo	ring	No.			<b>B-</b> 1					
Project Name Section	n No. 22-00149-03-BR SN 038-4603	_	Su	face	e Ele	v.	6	537.0	0				
Project Site: Middle	eport Twp.	-	Au	ger I	Dep	th		91'		Rota	ry Depth	NA	
Iroquo	is County, Illinois	_	Sta	rt D	ate		0′	7/08/	23	Finis	sh Date	07/08/23	
					_	S/	AMP:	LES			DRIL	LED BY	
Location: 7' R	Γ of Centerline, Station 637+20									F)	Randy Safrai	nski	
	North Abutment						(sm		_	(PCI	Diedrich D-1	20	
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Dunnan	Midwest Testing Services, Inc.		ļ
	3705 Progress Blvd.		S
-0	Peru, IL 61354		
Client:	Hutchison Engineering, Inc.	-	Bo
Project N Project Si	ite: Middleport Twp.		Su Ai
.,	Iroquois County, Illinois		St
Location:	7' RT of Centerline, Station 637+20		
	North Abutment		
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Groundwa	ter Data: Static water level after auger removal - Eleva	ation 6	07

Groundwater Data: Static water level after auger removal - Elevation 607 Comments:

Comments:

Hutchison Engineering, Inc.	DESIGNED - ZL	REVISED -				F.A.S. RTE	SECTION	COUNTY	TOTAL SHEET	SHEET
JACKSONVILLE-SHOREWOOD	DRAWN - ZL	REVISED -	EAS 330 (CH 31)		SOIL BORINGS	330	22-00149-03-BR	IROQUOIS	25	22
PEORIA-QUAD CITTES-CARBONDALE PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -					SN 038-4603	CONTRACT	NO 87	850
2023 JOB#4968 PLOT DATE = 12/27/2024	DATE - 12/20/2023	REVISED -	OVEN INDEDDIS NIVEN	SCALE: N/A	SHEET 18 OF 21 SHEETS		ILLINOIS	FED. AID PROJECT NO	). 54W8(5	71)

B	OF	RIN	G L	OG			Phor	ne: 815-223-66	96
Sł	neet	4	of	5			Fax:	815-223-66	59
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Janapa	umpanny A.J.	Midwest Testing Services, Inc		E	301	RIN	G L	OG			Phor	ne: 815-223-60	596	
		3705 Progress Blvd. Peru, IL 61354		S	heet	_5	of	5			Fax: e-ma	815-223-60 il: mts37@cor	559 ncast.net	
Client:	Hutchisc	on Engineering, Inc.		Во	ring	No.			<b>B-</b> 1					
Project Na	me Section I	No. 22-00149-03-BR SN 038-4603	_	Su	face	e Ele	ev.	e	537.0	00				
Project Sit	te: Middlep	ort Twp.	_	Au	ger	Dep	th		91'		Rota	ry Depth	NA	
	Iroquois	County, Illinois		Sta	rt D	ate		0	7/08/	23	Finis	sh Date	07/08/23	
					⊢	<u> </u>	S/	AMP	LES			DRIL	LED BY	
Location:	7' RT (	of Centerline, Station 637+20						_			(F)	Randy Safra	nski	
-		North Abutment				0		ows	я	୍ତ	. (PC	Diedrich D-	120	
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-		Grav Silt		┝										
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-				F	25	SS		13		27				
546.00	$\sim$	<b>N</b> -												
- 545.00		<ul> <li>Bottom of Boring</li> </ul>		92										
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Summe	ampanan ().	Midwest Testing Services, Inc.		E
-581		3705 Progress Blvd. Peru, IL 61354		s
Client:	Hutchiso	n Engineering, Inc.	_	Во
Project Na	ame Section 1	No. 22-00149-03-BR SN 038-4603	_	Su
Project Si	te: Middlep	ort Twp.	-	Au
	Iroquois	County, Illinois	-	Sta
Location:	8' LT (	of Centerline, Station 639+81		
		South Abutment		
				<u> </u>
(DEPTH) ELEV. 639.50	DESC	RIPTION OF MATERIALS	Graphic Log	Depth in feet
- 		Asphalt over Aggregate		- 1
- 637.50				$\mathbb{E}^2$
- 635.50				4
- 634.50 -	Br	Medium Dense		-5
-633.50 -	DI	Gavery Clay Loann (Fin)		6
-632.50				
- 631.50 -				<u>–</u> 8
- 630.50				<b>–</b> <sup>9</sup>
- 629.50				
- 628.50 - - 627.50				E
- - - 626 50				$E_{13}^{12}$
- 625.50				
- 		Mallana Davas		- 15
- 		Brown/Gray Silt		
- 				
- 				
- 				L 19
- 				-20
-			<u> </u>	

Groundwater Data: Static water level after auger removal - Elevation 607 Comments:

Groundwater Data: Static water level after auger removal - Elevation 627.5 Comments:

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY			F.A.S. RTE	SECTION	COUNTY	TOTAI	. SHEET S NO.
JACKSONVILLE-SHOREWOOD PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	DRAWN - ZL CHECKED - BAN	REVISED - REVISED -	F.A.S. 330 (CH 31)		SOIL BORINGS			IROQUOIS	25 T NO 8	23
2023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 12/20/2023	REVISED -	OVER IROQUOIS RIVER	SCALE: N/A	SHEET 19 OF 21 SHEETS		ILLINOIS	FED, AID PROJECT NO	0, 54W8(5	71)

B	OF	RIN	G L	OG			Phor	ne: 815-223-60	596
Sł	neet	1	of	5			Fax:	815-223-60	559 meast net
801	ring	No.			В-2				
ur	face	Ele	v.		539.5	0			
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ta	rt D	ate	~	0'	7/08/	23	Finis.	sh Date	07/08/23
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3	5	SS		17		15			
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9									
0	8	SS		15		22			
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3705 Progress Blvd. Penu, IL 61354         Sheet 2 of 5         Fax: 81-523-6659 emilt mis/36@omeat.net           Clear:         Hutchison Engineering, Inc. Project Site:         South Abutment         Boring No. Start Dare         B-2 (9) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	Danapag	umpanan <del>a 1</del> -1	Midwest Testing Services, Inc.		E	BOF	RIN	G L	OG			Phon	e: 815-223-66	i96
Liten:       Hutchison Engineering, Inc.         Project Num       Section No. 22-00149-03.3R SN 038-4603         Project Num       Middleport Twp.         Incquois County, Illinois       Start Date         South Abutment       9         OPEPTIO       South Abutment         017.50       South Abutment         017.50       0         017.50 <td></td> <td></td> <td>3705 Progress Blvd. Peru, IL 61354</td> <td></td> <td>SI</td> <td>heet</td> <td>2</td> <td>of</td> <td>5</td> <td></td> <td></td> <td>Fax: e-ma</td> <td>815-223-66 il: mts37@con</td> <td>ncast.net</td>			3705 Progress Blvd. Peru, IL 61354		SI	heet	2	of	5			Fax: e-ma	815-223-66 il: mts37@con	ncast.net
Project Name Section No. 22-00149-03-BR SN 038-4603 Project Site: Middleport Twp. Incquois County, Illinois Location: <u>8' LT of Centerline, Station 639+81</u> South Abutment <u>1112</u> 0ESCRIPTION OF MATERIALS 616.50 -617.50 -616.50 -615.50 -605.50 -707	Client:	Hutchise	on Engineering, Inc.		Bo	ring	No.			в-2				
Project site:       Middleport Twp.       Diff       Start Date       Diff       Remove the start of the start	Project Na	me Section	No. 22-00149-03-BR SN 038-4603	_	Sur	face	Ele	v.	6	39.5	50	- -	D 1	214
Location: <u>8' LT of Centerline, Station 639+81</u> South Abutment	Project Sit	Iroquois	County Illinois	-	Au Sta	ger I rt D	Dept ate	h	07	91 <sup>.</sup> 7/08/	23	Rota Finis	ry Depth sh Date	NA 07/08/23
1000000000000000000000000000000000000		noquois	county, minor	_	.544			S	AMPI	LES	20	-	DRIL	LED BY
South Abutment         No	Location:	8' LT -	of Centerline, Station 639+81									F)	Randy Safra	nski
UDEPTION 618.80         DESCRIPTION OF MATERIALS         9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	_		South Abutment				0		(swc	r	(9	(PCI	Diedrich D-1	20
ODEPTION (18.50)         DESCRIPTION OF MATERIALS         Image: select of the select o	_					No	Type	SF)	e (Ble	Shea	e (%	nsity		
-617.50       -22       <	(DEPTH) ELEV. 618.50	DESC	CRIPTION OF MATERIALS	Graphic Log	Depth in feet	Sample	Sample	Qu (TS	N Value	Bulge /	Moistur	Dry Dei	REM	ARKS
-617.50       -22       0       0       58       1.4       7       B       25         -616.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -615.50       -77       B       28       -77       B       28       -78       -78       -78       B       28       -78       -78       -78       B       28       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78       -78 <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	-				-									
-616.50       -9       SS       1.4       7       B       25         -615.50       -70.50	617.50				22									
615.50       -24       -24       -24       -24         613.50       -613.50       -26       -27       -26       -27         612.50       -611.50       -27       -28       -27       -28         610.50       Gray Clay       -28       -11       SS       1.2       7       B       28         -605.50       -605.50       -33       -33       12       SS       1.2       6       B       29         -605.50       -605.50       -33       -33       -33       -34       -       -         -605.50       -605.50       -33       -34       -       -       -       -         -605.50       -605.50       -34       -       -       -       -       -         -605.50       -34       -       -       -       -       -       -         -605.50       -       -       -       -       -       -       -         -605.50       -       -       -       -       -       -       -         -605.50       -       -       -       -       -       -       -         -601.50       -       -       <	616.50				-23	9	SS	1.4	7	В	25			
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	598.50				<b>-</b> 41	15	55	1.4	0	В	30			
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3705 Progress Blvd. 17E Peru, IL 61354 

 Client:
 Hutchison Engineering, Inc.

 Project Name
 Section No. 22-00149-03-BR
 SN 038-4603

 Project Site:
 Middleport Twp.

 Iroquois County, Illinois Location: 8' LT of Centerline, Station 639+81 South Abutment (DEPTH) ELEV. iraphi Log DESCRIPTION OF MATERIALS 597.50 - 596.50 \_\_\_\_ - 595.50 \_\_\_ 594.50 -43 - 593.50 \_\_4 - 592.50 Stiff to Very Stiff Gray Clay \_ 591.50 4 - 590.50 -49 589.50 L 50 - 588.50 \_\_\_\_5 - 587.50 \_5 586.50 - 585.50 584.50 L\_5: - 583.50 \_ 5 - 582.50 -5 Stiff to Very Stiff Gray Clay Till 581.50 - 580.50 \_5 579.50 - 578.50 - ( 577.50 - 6

Midwest Testing Services, Inc.

Groundwater Data: Static water level after auger removal - Elevation 627.5 Comments: Groundwater Data: Static water level after auger removal - Elevation 627.5 Comments:

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY			F A S RTE	SECTION	COUNTY	TOTAL SHEET	SHEET
JACKSONVILLE-SHOREWOOD PEORIA-QUAD CITIES-CARBONDALE PLOT		DRAWN - ZL	REVISED -	FAS 330 (CH 31)	SUIL BURINGS			22-00149-03-BR	IROQUOIS	25	24
	PLOT SCALE = \$SCALE\$	CHECKED - BAN	REVISED -						CONTRACT	F NO. 87	850
2023 JOB#4968	PLOT DATE = 12/27/2024	DATE - 12/20/2023	REVISED -		SCALE: N/A	SHEET 20 OF 21 SHEETS		ILLINOIS	FED. AID PROJECT NC	J. 54W8(5	71)

B	OF	RIN	G L	OG			Phor	ne: 815-223-66	596	
SI	neet	3	of	5			Fax:	815-223-66	59	
51	icet	5	. 01	5			e-ma	il: mts37@cor	ncast.net	
301	ing	No.			в-2					
ur	face	Ele	v.	- 6	539.5	0				
Aug	ger l	Dept	th		91'	22	Rota	ry Depth	NA	
aa	n D	ate	S	AMP	//08/	23	FINE		07/08/25	_
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		pe	_	Blow	ear	(%)	y (I	Diedrich D-	20	
et	e Nc	e Ty	TSF)	ue (F	/ Sh	ure (	ensit			
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		Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354		E SI	BOF neet	RIN 4	G L	<b>OG</b> 5			Phon Fax: e-ma	e: 815-223-669 815-223-665 il: mts37@com	96 59 cast.net
Client: Project Na Project Sin	Hutchiso ame Section I te: Middlep Iroquois	n Engineering, Inc. No. 22-00149-03-BR SN 038-4603 ort Twp. County, Illinois	 	Bor Sur Au Sta	ring face ger l rt D	No. Ele Dept ate	ev. th	01	B-2 39.5 91' 7/08/	23	Rota	ry Depth sh Date	NA 07/08/23
Location: (DEPTH) ELEV. 576.50	8' LT o	South Abutment	Graphic Log	Depth in feet	Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	Randy Safran Diedrich D-12 REM	ski 20 ARKS
		Stiff to Very Stiff Gray Clay Till		- - 64 - 65									
				66 67	20	SS	2.1	9	В	21	-		
		Medium Stiff to Stiff Gray Clay			21	SS	1.5	7	в	35			
- 					22	SS	1.5	7	В	22			
				- 79 - 80	23	SS		21		26			
		Medium Dense Gray Silt		81 82 83									

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	r ZA	3705 Prog	ress Blvd		
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- () - 1 <b>m</b>		Peru, IL	. 61354		
Client:	Hutchisc	on Engineering, Inc.			E
Project Na	me Section 1	No. 22-00149-03-BR	SN 038-4603		S
Project Si	te: Middlen	ort Twn			4
i lojeet bli	Iroquois	County Illinois			Ś
	noquois	County, minors			5
Location:	8' LT (	of Centerline, Statior	n 639+81		
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		South Abutilient			
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Groundwater Data: Static water level after auger removal - Elevation 627.5 Comments:

Hutchison Engineering, Inc.	USER NAME = JSavage	DESIGNED - ZL	REVISED -	IROQUOIS COUNTY			F.A.S. RTE	SECTION	COUNTY	TOTAL SHEET	SHEET
JACKSONVILLE-SHOREWOOD PEORIA-QUAD CITIES-CARBONDALE	PLOT SCALE = \$SCALE\$	DRAWN - ZL CHECKED - BAN	REVISED - REVISED -	F.A.S. 330 (CH 31)		SOIL BORINGS	330	22-00149-03-BR 5N 038-4603	IROQUOIS	25 E NO 87	25
로 JOB#4968	PLOT DATE = 12/27/2024	DATE - 12/20/2023	REVISED -	OVER IROQUOIS RIVER	SCALE: N/A	SHEET 21 OF 21 SHEETS		ILLINOIS	FED. AID PROJECT NC	). 54W8(5	71)

B	OF	RIN	G L	OG			Phor	e: 815-223-6	696	
Sł	neet	5	of	5			Fax: e-ma	815-223-6 il: mts37@co	659 mcast.net	
301 Jur	ring face	No. Ele	v.	6	В-2 539.5	0				
۱u	ger l	Dept	h		91'		Rota	ry Depth	NA	
ta	rt D	ate	~	0	7/08/	23	Fini	sh Date	07/08/23	
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set	le No.	le Type	(TSF)	lue (Blows)	e / Shear	ture (%)	Density (PCF)	Randy Safr	anski •120	
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