

CONTRACT NO. 60W76

Ο

0

Ο

0

LIN ENGINEERING, LTD. **Consulting Engineers**

F.A.F RTE.	SECTION	COUNTY	TOTAL SHEET SHEFTS NO.
372	2013-0398P	COOK	209 1
	ILLINOIS	CONTRAC	T NO. 60W76





STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS SUBMITTED MARCH DIRECTOR OF PROGRAM DEVELOPMENT **PRINTED BY THE AUTHORITY**

OF THE STATE OF ILLINOIS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS & STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6	LOCATION MAP
7-186	STRUCTURE PLANS
187-189	OVERALL MAINTENANCE OF TRAFFIC PLANS
190-194	DISTRICT DETAILS
195-209	HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
701106-02	OFF-RD OPERATIONS. MULTILANE. MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-10	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE. AT ENTRANCE OR EXIT RAMP. FOR SPEEDS ≥ 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422-09	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-06	TRAFFIC CONTROL DEVICES

[·
Inti			
IN SHEET NO.	NDEX OF SHEETS Description		
1	COVER SHEET INDEX OF SHEETS & STANDARDS		
3 4~5	GENERAL NOTES SUMMARY OF QUANTITIES		
6 7-186	LOCATION MAP STRUCTURE PLANS		
187-189 190-194	OVERALL MAINTENANCE OF TRAFFIC PLANS DISTRICT DETAILS		
195-209	HIGHWAY STANDARDS		•
07.47	ATE CTANDADDC		
STANDARD NO.	ATE STANDARDS DESCRIPTION		
701106-02 701400-09	OFF-RD OPERATIONS. MULTILANE. MORE THAN 15' AWAY APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY		`
701401-10 701411-09	LANE CLOSURE, FREEWAY/EXPRESSWAY LANE CLOSURE, MULTILANE. AT ENTRANCE OR EXIT RAMP. FOR SPEEDS ≥ 45 MPH		
	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH		
701428-01 701601-09 701606-10	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY URBAN LANE CLOSURE, MULTILANE, IW OR 2W WITH NONTRAVERSABLE MEDIAN URBAN LANE CLOSURE, MULTILANE, IW OR 2W WITH NOINTABLE MEDIAN		
701701-10 701901-06	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN URBAN LANE CLOSURE, MULTILANE INTERSECTION TRAFFIC CONTROL DEVICES		
DIST	TRICT 1 DETAILS		
DETAIL NO. TC-08	DESCRIPTION ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)		
TC-10 TC-17	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS. INTERSECTIONS AND DRIVEWAYS (TC-10) TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)		
TC-18 TC-22	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS (TC-18) ARTERIAL ROAD INFORMATION SIGN (TC-22)		
· ·			
	DESIGNED - RC REVISED -	INDEX OF SHEETS	F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 372 2013-0398P COOK 209 2
Consulting Engineers PLOT SCALE + 2.00	UNAWN NC NEVISED STATE OF ILLINUIS 2.0980 / In. CHECKED ST REVISED	& STANDARDS	CONTRACT NO. 60W76
PLOT DATE + 3/22	0/22/2017 DATE - 03/2017 REVISED - SHEET NO. 1	OF 2 SHEETS STA, TO STA.	FED. ROAD DIST. NO. I TILLINDIS FED. ALD PROJECT

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REOUIRED)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF McCOOK, LYONS AND SUMMIT.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AT NO ADDITIONAL COST.
- ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 6. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, 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 PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTING AND ORDERING OF MATERIALS.
- 8. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROPERTY.
- 10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 11. THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS WERE DEVELOPED FROM PREVIOUS PLANEMETRICS AND AERIAL PHOTOGRAPHY FURNISHED BY THE DEPARTMENT AND IS NOT THE RESULT OF A CROUND SURVEY. ALIGNMENT TIES HAVE BEEN ESTABLISHED FOR THE IL ITI BASELINE. THEREFORE, ALL ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS IS FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUIRED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS. ALIGNMENTS AND BASELINES.
- 12. THE CONTRACTOR 15 RESPONSIBLE FOR PAYMENT OF RAILROAD FLAGGING SERVICES FOR THE BNSF RR PER ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.

		DESIGNED -	RC	REVISED -			GENERAL NOTES	F.A.P. SECTION	COUNTY TOTAL SHEET
LIN ENGINEERING LTD.		DRAWN -	RC	REVISED -	STATE OF ILLINOIS		GRIERIUSK IEVIKU	372 2013-0398P	COOK 209 3
Consulting Engineers Westmont Minots	PLOT SCALE = 2,0000 1/ 10.	CHECKED -	ST	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 60W76
VYDDUTALT, (BERGYN	PLOT DATE + 3/22/2017	DATE -	03/2017	REVISED -		SCALE:	SHEET NO. 2 OF 2 SHEETS STA, TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. ALD PROJECT

				A LOUIS A A MARKET	0014 (31/20					2
				<u> </u>			···· ,		CONSTRUC	Ŧ
				80% FED 20% ST	80% FED 20% ST	80% FED 20% ST	80%.FED 20%.ST	80%.FED 20%.ST	80% FED 20% ST	
CODE			TOTAL	ROADWAY	S.N. 016-1005	S. N. 016-1006	S.N. 016-2455	S. N. 016-2454	S. N. 016-2457	
NO.	ITEM	UNIT	QUANTITY	0014	0014	0014	0014	0014	0014	
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	ļ
67100100	MOBILIZATION	L SUM	1	1						
X7015005	CHANGEABLE MESSAGE SIGN	CAL VA	590	590	3 m					
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1							4
X6700410	ENGINEER'S FIELD OFFICE. TYPE A (SPECIAL)	CAL MO	24	24						
X7010216	TRAFFIC CONTROL AND PROTECTION. (SPECIAL)	L SUM	1							
~~~~~	IRAFFIC CONTROL AND FROTECTION. (SPECIAL)	L 50W		1						
×7011015					*					-
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1						
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	LSUM	1		1					+
			·							
20007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	LSUM	1			1	* * * * *			+
20007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1				1			
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	444					4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM							1	
										ł
Z0007106	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 6	L SUM	1							T
										ł
Z0007107	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 7	L SUM	1			· ·				ł
	CONTRAINENT AND DISCORE OF CLAD FAINT OLEANING RESIDUES NO. 1		<u>i</u>							
			_							
Z0007108	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 8	L SUM								

SPECIALTY ITEM

LIN ENGINEERING,LTD.		DESIGNED ORAWN	· -	RC RC	REVISED -	STATE OF ILLINOIS		SU	MMAR	Y OF O	UANTIT
	PLOT SCALE + 100.0000 1/ 10.	CHECKED		st	REVISED -	DEPARTMENT OF TRANSPORTATION					
Westment Minds	PLOT DATE + 3/22/2017	DATE	-	03/2017	REVISED -		SCALE: N.T.S.	SHEET NO. 1	OF 2	SHEETS	S STA.

( 81/20	FED ST	· )				
CONSTRUCT	ION CODE			. <u></u>		
80%FED 20%ST	80%.FED 20%.ST	80%.FED 20%.ST	80% FED 20% ST	80%.FED 20%.ST	80% FED 20% ST	
S.N. 016-2457	5.N. 016-2456	S.N. 016-0483	S. N. 016-0985	5. N. 016-1026	S. N. 016-0987	
0014	0014	0014	0014	0014	0014	
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	· · · · · · · · · · · · · · · · · · ·
					·	
			· · · · · · · · · · · · · · · · · · ·			
		·····				
······				· · · ·		
				·····		
1						
	1					
		1				
						<u> </u>
			1			
	_					

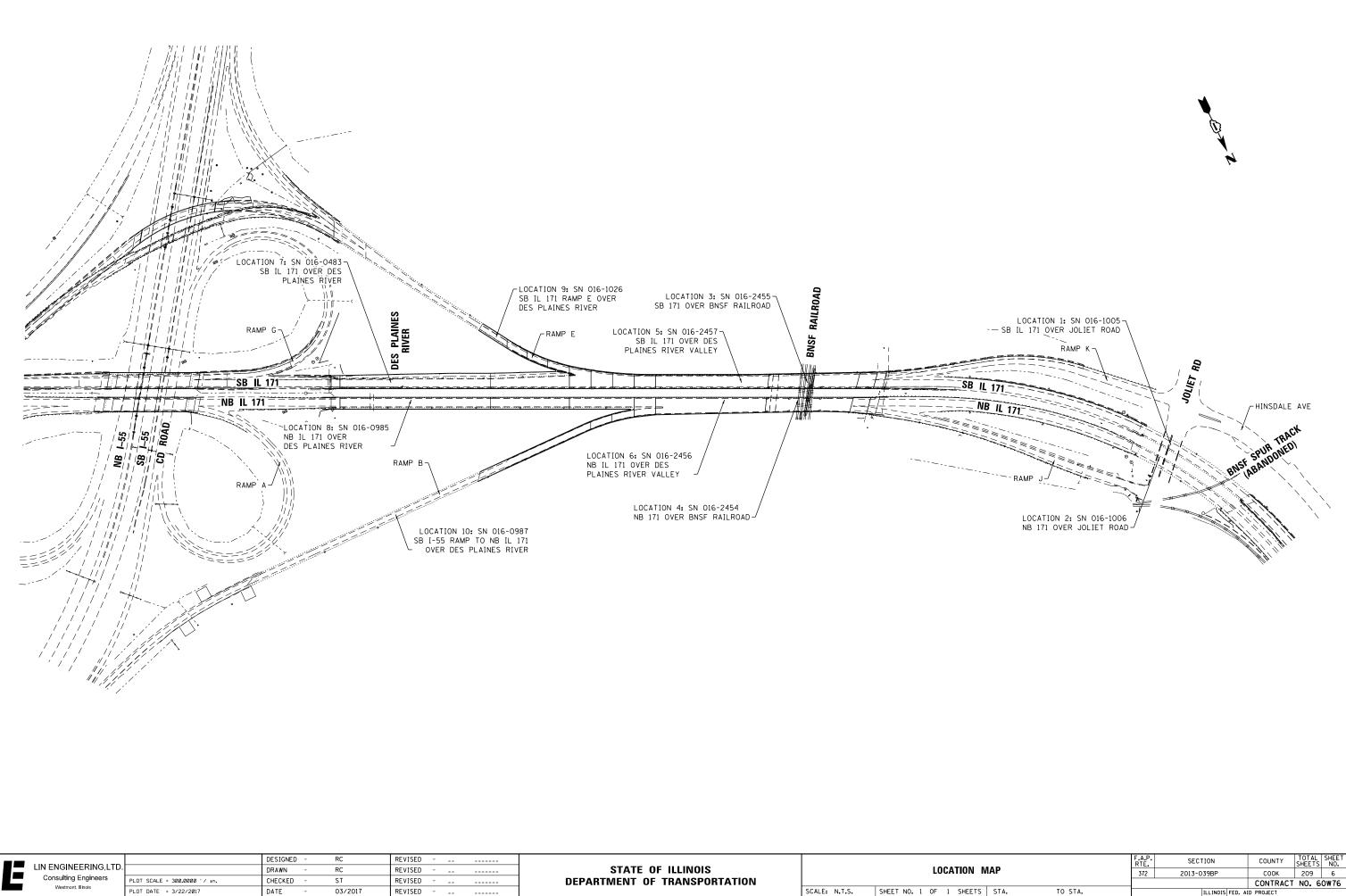
NTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
		372	2013-0398P	СООК	209	4
				CONTRACT	NO. 6	OW76
STA.	TO STA.	FED. ROAD	DIST, NO. 1 ILLINOIS FEE	ALO PROJECT		·····
		,			2.	

REV

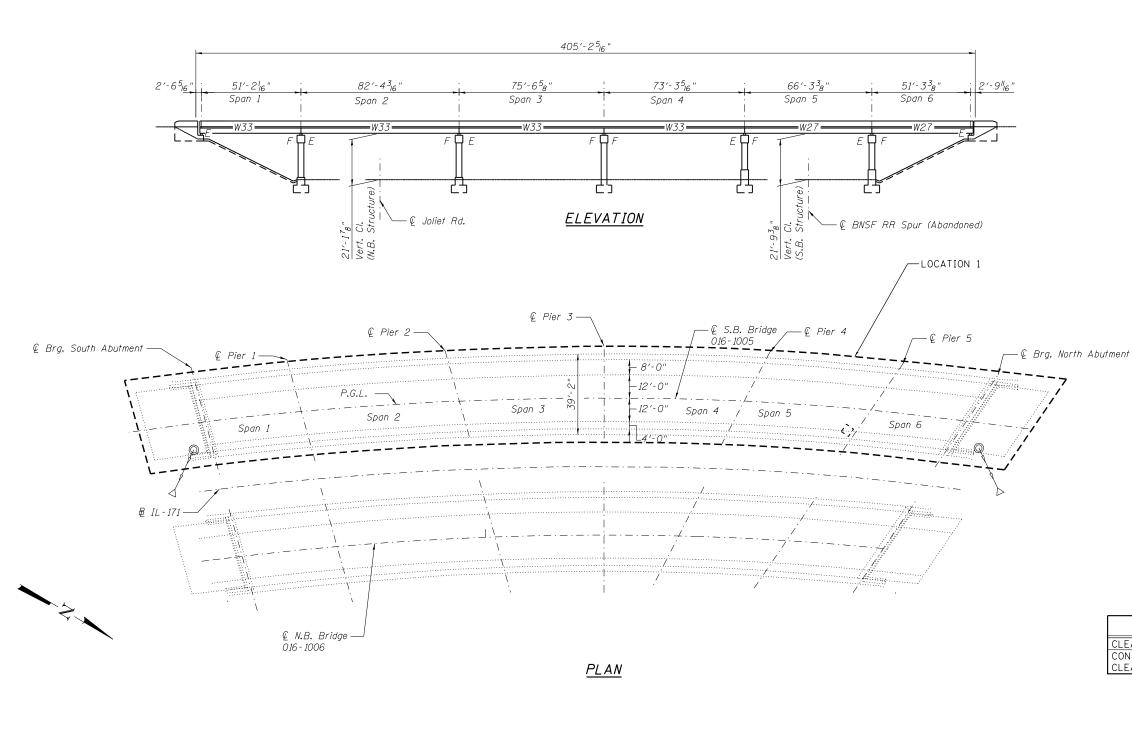
										CONSTRUC	Т
					80%,FED 20%,ST	80% FED 20% ST	80% FED 20% ST	80%.FED 20%.ST	80% FED 20% ST	80% FED 20% ST	*****
	CODE			TOTAL	ROADWAY	S. N. 016-1005	S. N. 016-1006	S. N. 016-2455	S. N. 016-2454	S. N. 016-2457	
*	NO.	ITEM	UNIT	QUANTITY	0014	0014	0014	0014	0014	0014	
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	Ţ
										<u> </u>	
	Z0007109	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES N	10. 9 L SUM	1							
	Z0007110	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES N	10. 10 L SUM	1							
	20010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1					
											·····
	Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1							
	Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1				1			-
										<u> </u>	+
	20010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1					1		Ť
			·								-
	20010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1						1	
	20010506	CLEANING AND PAINTING STEEL BRIDGE NO. 6	L SUM	1							
	Z0010507	CLEANING AND PAINTING STEEL BRIDGE NO. 7	LSUM	1							
	20010508	CLEANING AND PAINTING STEEL BRIDGE NO. 8	L SUM	1							
											+
	Z0010509	CLEANING AND PAINTING STEEL BRIDGE NO. 9	L SUM	1							
	Z0010510	CLEANING AND PAINTING STEEL BRIDGE NO. 10	L SUM	1							
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1							
n			Hour.	2000	2.000						
Q	20076600	TRAINEES	noue		2000						
Ŕ	20076604	TRAINGES - TRAINING PROGRAM GRADUATE	HOUR.	2000	2000						
•	SPECIALTY	ITEM Ø 0042									
	IGINEERING,LTD.	DESIGNED -         RC         REVISED -           DRAWN -         RC         REVISED -		STATE OF				. <u></u>	SUMN	MARY OF QU	AI
Consulting Engineers Westweet, tincia         PLOT SCHLE + 100.0000 '/ in.         CHECKED -         ST         REVISED -         DEPARTMENT OF TRANSPORTATION           Vestweet, tincia         PLOT DATE + 3/22/2017         DATE -         03/2017         REVISED -         SCALE: N.T.S.         S				SCALE	SHEET NO. 2 OI	F 2 SHEETS	4				

1	ION CODE					
	80%.FED 20%.ST	80%,FED 20%,ST	80% FED 20% ST	80%,FED 20%,ST	80%,FED 20%,ST	
	S.N. 016-2456	S.N. 016-0483	S. N. 016-0985	S.N. 016-1026	S.N. 016-0987	
	0014	0014	0014	0014	0014	
	URBAN	URBAN	URBAN	URBAN	URBAN	
				1		
					1	
			**************************************			
~						
~						
-						
_						
	1					
-						
-		·····	·			
		1				
				ļ		
-		• • •				
-						
			*	1		
			<u> </u>			
^					1	
_					<u> </u>	
-			<u> </u>			
-	<u> </u>	<u> </u>				

ANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET
		372	2013-039BP	COOK	209	5
				CONTRACT	NO. E	SOW76
STA,	TO STA.	FED. ROAD	DIST. NO. 1 ILLINOIS FED	AID PROJECT		



			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IV	IAP		372	2013-039BP	СООК	209	6
_					CONTRACT	NO. 6	0W76
S	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



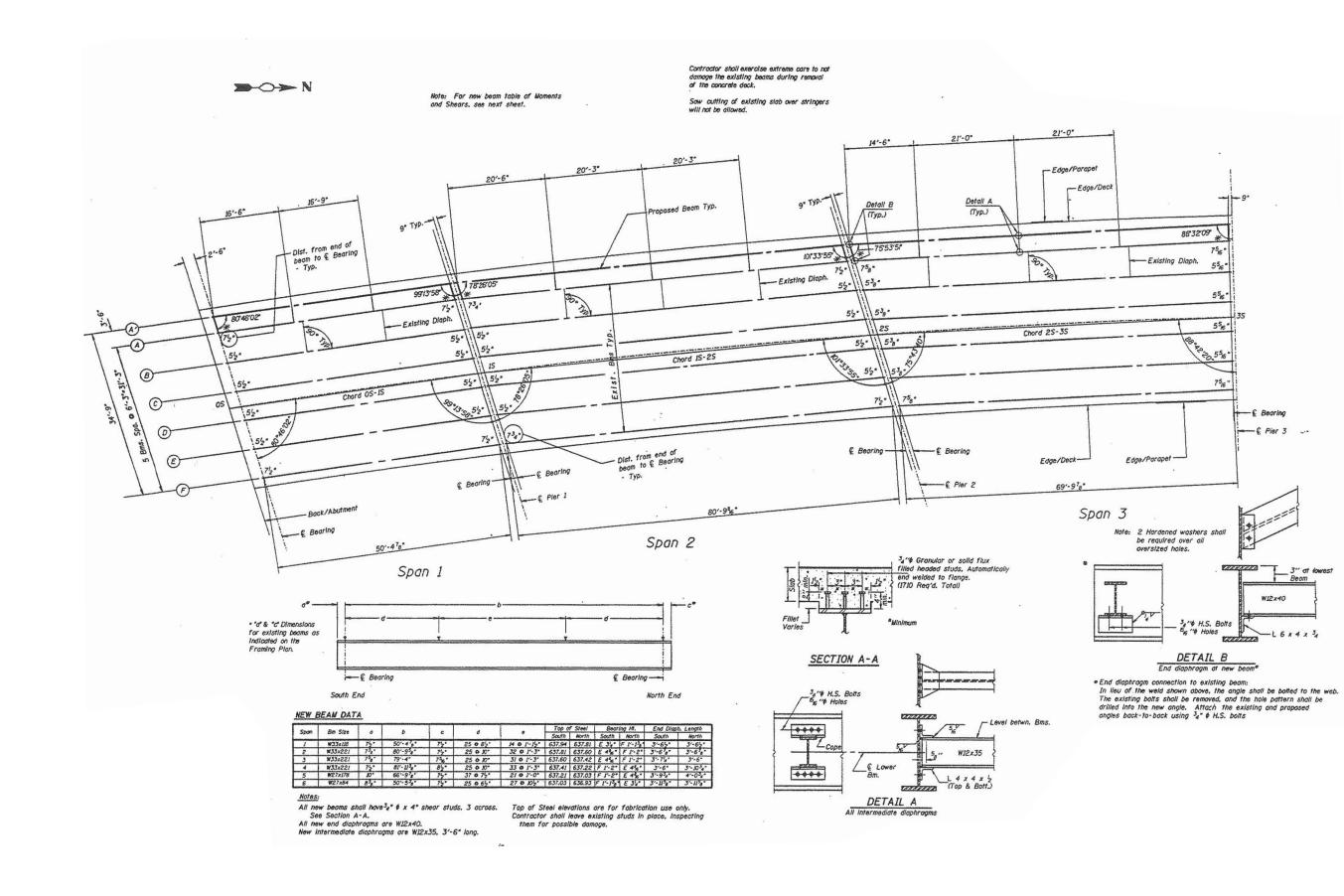
	USER NAME = Lin	DESIGNED -	REVISED -		GENERAL PLAN AND ELEVATION – LOCATION 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEFTS	HEET
LIN ENGINEERING,LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	соок	209	7
Consulting Engineers	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1005	0.2	2010 0008.	CONTRACT	NO. 601	N76
Springfield, Illinois	PLOT DATE = 3/22/2017 12:08:46 PM	CHECKED -	REVISED -		SHEET NO. SA-1 OF SA-8 SHEETS		ILLINOIS FED.	AID PROJECT		

# **GENERAL NOTES**

- 1. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
- 2. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. STRUCTURAL SHEETS TAKEN FROM EXISTING PLANS CONTAIN INFORMATION NOT PERTAINING TO THIS CONTRACT AND ARE FOR INFORMATION ONLY.
- 4. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SA-2 THRU SA-8 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE LOCATIONS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF THE EPOXY MASTIC / EPOXY MASTIC / ACRYLIC PAINT SYSTEM. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 5. A MINIMUM OF 4 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
- 6. THE ELASTOMERIC PADS OF THE EXISTING BEARINGS SHALL BE MASKED OFF FOR PROTECTION DURING PAINTING AND REMOVED WHEN PAINTING IS FINISHED. COST INCLUDED WITH "CLEANING AND PAINTING STEEL BRIDGE NO. 1".
- 7. IF APPLICABLE, THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.

# TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 1	L. SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT	L. SUM	1
CLEANING RESIDUES NO. 1		

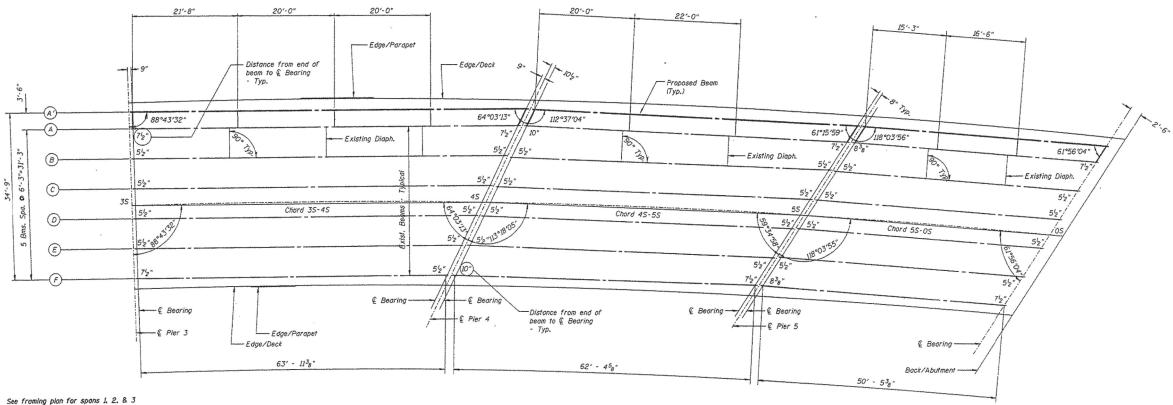


۶ <u>ا</u>										
		USER NAME = Lin	DESIGNED -	REVISED -		FRAMING PLAN & STEEL DETAILS – LOCATION 1	F.A.P.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	EIN ENGINEERING, ETD.		CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	СООК	209 8
	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1005				T NO. 60W76
1	opringrisio, miniora	PLOT DATE = 3/22/2017 12:08:47 PM	CHECKED -	REVISED -		SHEET NO. SA-2 OF SA-8 SHEETS		ILL INOIS FED.	AID PROJECT	



Contractor shall exercise extreme care to not damage the existing beams during removal of the concrete deck.

Sow cutting of existing slob over stringers will not be allowed.



See framing plan for spans 1, 2, & 3 for diaphragm connection details.

\$FILEA\$

Span 4

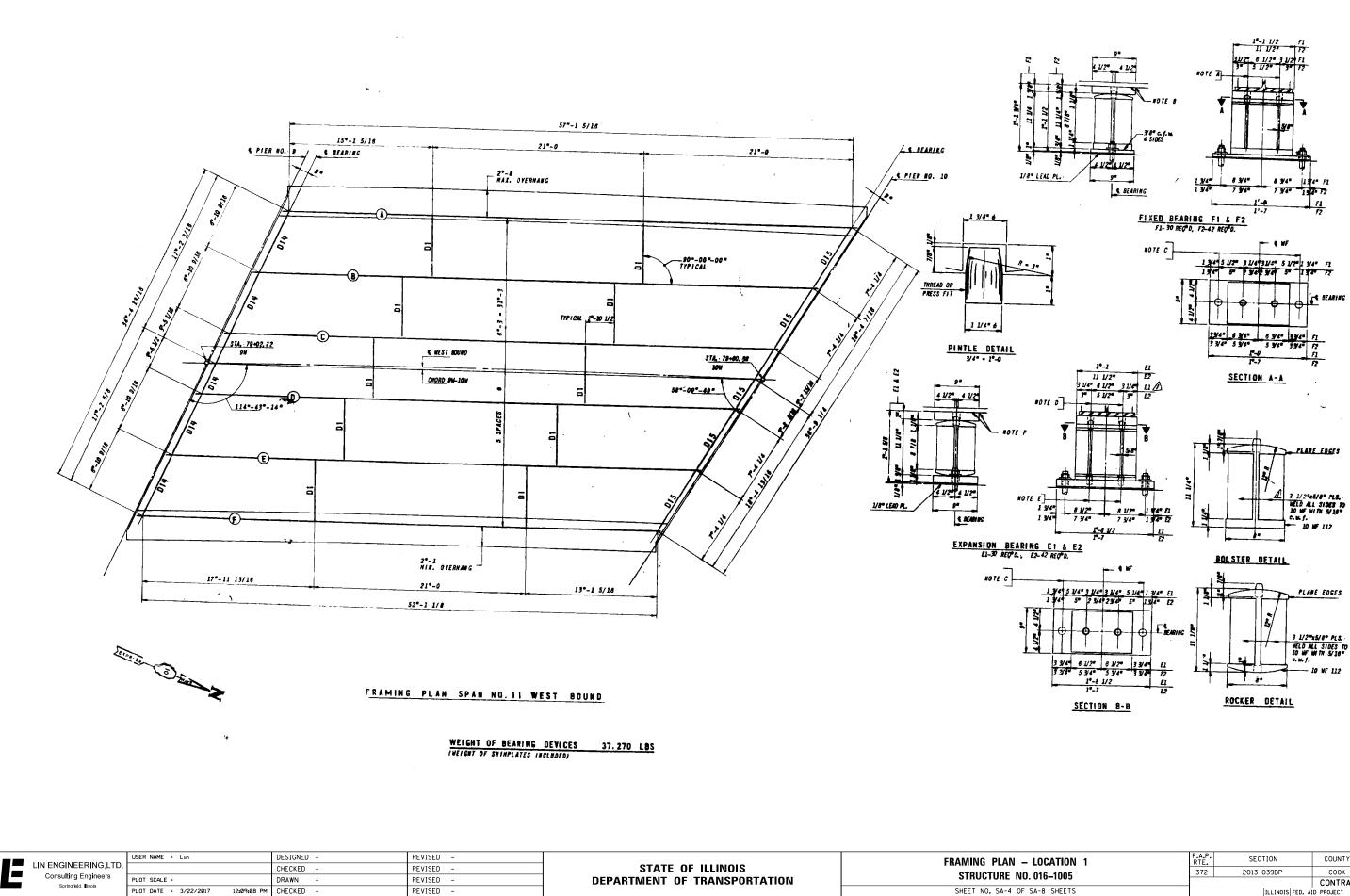
Span 5

8

Span 6

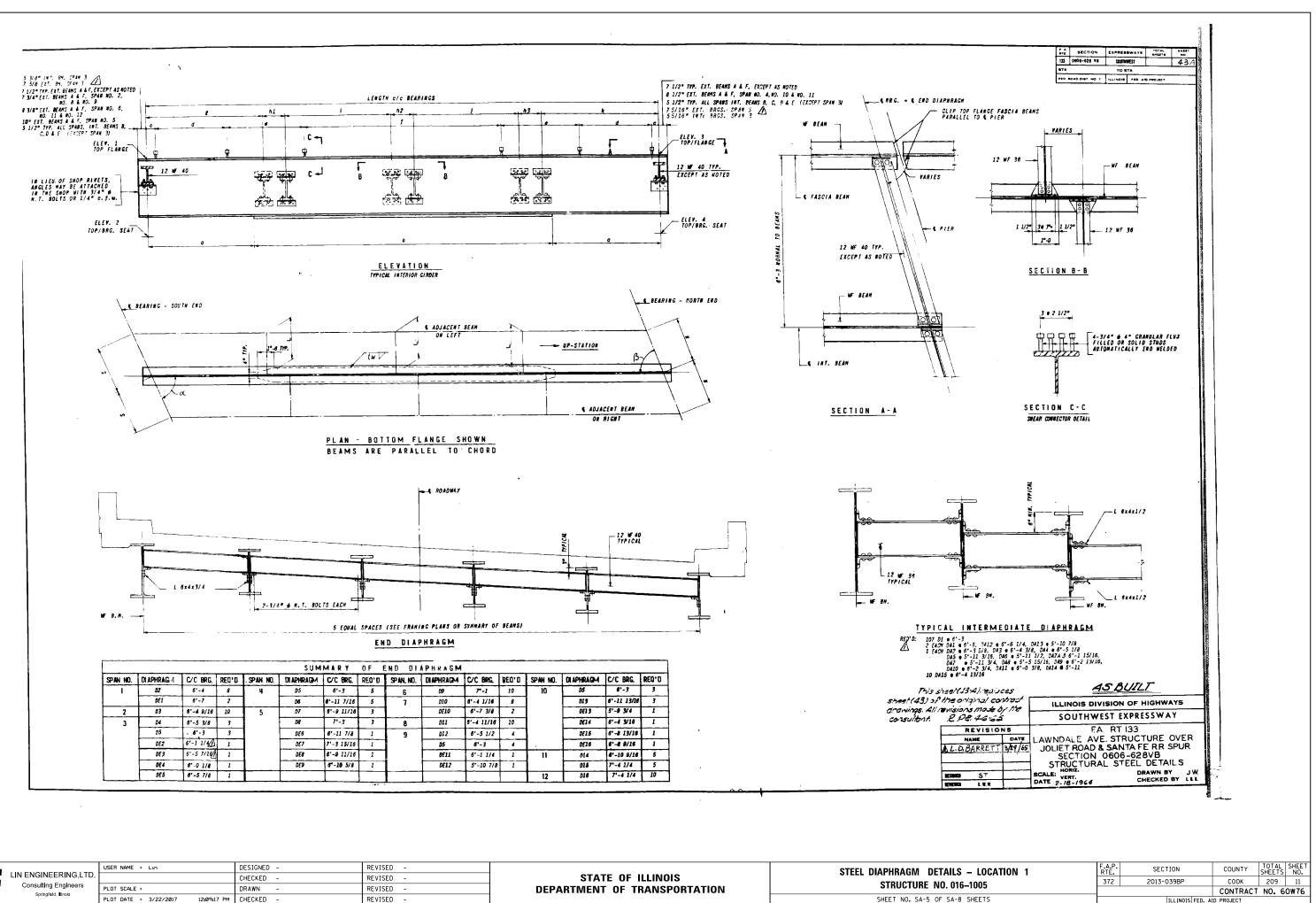
		USER NAME = Lin	DESIGNED -	REVISED -		FRAMING PLAN – LOCATION 1	F.A.P.	SECTION	COUNTY TOTAL SHEET
Ψ			CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–1005	372 2	2013-039BP	СООК 209 9
ž u	Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		_		CONTRACT NO. 60W76
đL		PLOT DATE = 3/22/2017 12:08:58 PM	CHECKED -	REVISED -		SHEET NO. SA-3 OF SA-8 SHEETS		ILLINOIS FED. AID	D PROJECT

Note: For new beam dimensions and other data, see previous sheet.



SHEET NO. SA-4 OF S

LOCATION 1	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–1005	372	2013-039BP	СООК	209	10
. 010-1005			CONTRACT	NO. 6	0W76
SA-8 SHEETS		ILLINOIS FED. AI	D PROJECT		

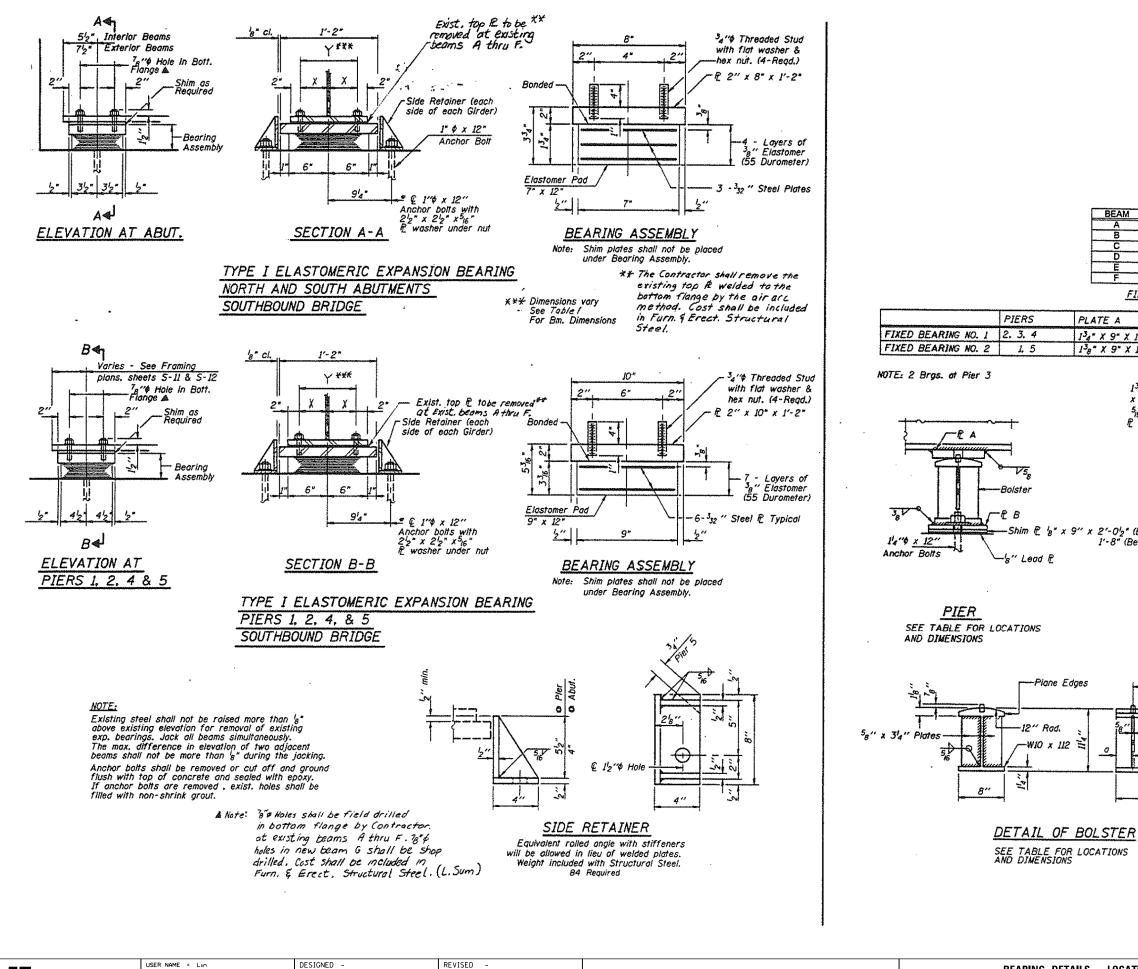


	USER NAME = Lin	DESIGNED -	REVISED -		STEEL DIAPHRAGM DETAILS
LIN ENGINEERING,LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS	
Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 01
Springheid, miniois	PLOT DATE = 3/22/2017 12:09:17 PM	CHECKED -	REVISED -		SHEET NO. SA-5 OF SA-8

# SUMMARY OF BEAM'S SPAN NO. 1 THRU NO. 6 EAST BOUND

Σ			UTH EN				r	ND DATA			I ENCTU T								BEA	M	DAT												
BEAM	S	H	ELEVA		ANGLE	N	ELEV.	1	ANGLE	BEAM	LENGTH ¢/¢	01.75		PLATES		SHEA	R CONNEC	TOR SPAC	NG			NTERMED	IATE DIA	PHRAGM	SPACING			SOUTH	END	NORTH	ENO	BEAM	REMAR
	+			2	d		3	4	4	SI ZE	JEARING	SI ZE	WELD***	a	D	c	4	•		1	<u>h1</u>	1	h2	J	hz	k	1	BRG. TYPE	SHIM PL.	BRG. TYPE	SHIM PL.	, 🛎	
	-[		637.542	833.444	80°-46°-02"	1	637.419	633.267	80°-48°-02"	36 WF 135	50°-4 7/8		-							1													·
	6'-7	7 ⊢	637.233	633. 628	do	6°-7	637.109	633.514	do do	30 WF 99	do	91/2"x7/16"	1/4=		-	2 7/16"	13 6 9"	5 • 1*-3	12 e Iº-6			16*-9		-	-	15-10 3/16	67-6	E 1	-	F 1	1/2"	A	
		4 F	636. 880	633.275	do	6'-4	636.757	633.162	do	do	do		do	9°-8 7/16 do	31°-0 do	do	21 0 6"	11 6 9*	10 • 1*-3	15*-9	1*-0 3/16	15°-8 13/16	1*-0 3/16			15'- 10 11/16	6 3	E 2	-	F 2	- 1	В	
	do		636. 527	632.921		do	636, 405	632.810	do	do	d0	do			40 40	do	<b>d</b> 0	do	, do	do	10	do	do	-	-	đo	do	. E 2	-	F 2		C	ı
1	do		636.174	632.568	do	do	636.053	632.458	do	do	do	do do	do do	d0 d0		do	do	d0	do	de	do	do	do			do		E 2	-	F 2	[ - ]	D	1
E AST	<u> </u>	4 H	635.850	632.245	80°-45"-02"	6'-4			80°-46°-02"					ł	do	do	21 • 6"	11 • 9"	10 • 1*-3	do	1"-0 3/10	15"-8 13/18	1"-0 3/16	-	-	15-10 11/1	6"-3	E 2		F 2	-	E	1
			030.000	032.200	00 -45 -02	·	635.725	632.130	004002*	30 Wr 39	30 -4 //8	9 1/2"x7/16"	1/4*	9°-8 7/16	31"-0	2 7/16*	17 e 9"	5 • 1*-3	8 e 1°-6	16*-9		16"-9		-	-	16°-10 7/8		E 2	-	F 2	-	F	1
	-					1																					<u> </u>		<u> </u>	L'		$\square$	L
	_		637.415	633.267	78=-26"-05"	<b> </b>	637.219	633.059	78-26-05	36 WF 170	800-9 11/16	11"x1"	5/16*	15'-0	50°-9 11/16		20 • 9"	8 0 1*-3	<b>M</b> = 18 =		<b> </b>					<u> </u>	<u> </u>			L'	L!	$\square$	1
	- 5*-4 9/	/16	637.116	632.967	do do	6°-4 9/16	636. 913	632.754	do _20 _00	36 WF 170	do	11"#1"	d0	18-4 1/2	52°-0 11/10	4 13/16-4 do	<u> </u>	8 e 1°-3 15 e 1°-0	20 • 1°-6 10 • 1°-6	21°-6 3/8 20°-3	-	20"-3		20"-3	-	18- 9 5/10	6 - 3	E 1	/	F 1	<u> </u>	A	L
BOUND C	40		636, 761	632.613	d0	do	636. 561	632.402	do	do	da	do	10	do	do do	do	d0	do 10 0 1 -0		·	1°-3 3/8	18"-11 5/8	1'-3 3/8	18°-11 5/8	1°-3 3/8	do	do	<u> </u>	<u> </u>	F1	<u> </u>	В	<b></b>
			636. 407	632.259	đo	do	635.210	832.050	do	40	do	do	do	do		do	do		do	do	do	do	do	do	do	do	đo	E 1	· ·	F 1	<u> </u>	C	<b>-</b>
EAST			838.053	831,904	50	do	635. 858	831.699	do	36 HF 170	do	11**1*	do	14*-4 1/2	52°-0 11/16		28 . 7 1/2	do 15° e 1°-0	do	do	do	do	do	do	do	do	40	<u>[]</u>	<u> </u>	F 1	<u> </u>	D	<b></b>
	- 8°-4 S	9/16	635. 722		78°-26°-05"	6°-4 9/16	635. 521	631.361	78-26-05				5/16"	15°-0		do 4 13/16=+	20 • 9*	8 0 1 - 3		60 20°-3	1*-3 3/8	18 -11 5/8	1-3 3/8	18"-11 5/8	1*-3 3/8	18- 9 5/16	6"-3	<u>E I</u>		F1	<u> </u>	E	┢───
-						1	-				1			1					20 0 1 -0	~~ )		20*-3		20"-3	-	20°-0 1/16		E 1		F 1	<b>↓</b> ′	F	L
	<b>-</b>					1		+	<h></h>	+	Δ2	ł		1 11							<u> </u>							1	<b> </b> '	<b> </b> '	ļ'		L
A			637.215	833.059	75-53 -51	-	637.024	632.834	91 - 27 - 51	36 WF 170	78'-4 11/16	11"x1"	5/16*	15'-8 1/8	47°-0 3/8	5 3/16" .	20 . 9"	7 • 1*-3	20 4 12 4	15'-4 1/16	. <del> </del>					47	Δ.	1		<b>↓</b> ′	<u> </u>	<b>↓</b>	4 4
9 B	- 8° - 5 /	77 10 10	638.905	632.754 -	75 -43' -40"	6°-57/	636.715	632.583	91°-17'-40*		+	11"x7/8"	do		49*-0 9/16			13 • 1'-0	10 0 1'-6	13*-9		21"-1 1/4 19"-6 3/16	<u>-</u>	21°-0		20' - 11 3/8	*6'-3 5/8		1/16*	F 1	3/8"	++	•6'-4 3/8
BOUNDOR C	6'-5 3		638. 550	832.402	do	- <u>8'-3</u>	636.385	632.233	d0	đo	74'-11 1/8		do		49°-0 13/10		do	12 • 1*-0	do	13 =0 do	do do	17°-11 1/8		do	-	20*-9 5/8	6-3	E 1	3/8"	F 1	<b>↓</b> '	В	<b> </b>
	d		636. 195	632.050	do		636.015	631.883	do	36 WF 150			do	14'-1 1/8	45-0	7 1/8"		11 • 1*-0	10 + 1*-6	t				do	-	20-7 15/16	do	E 1	5/16"	F1	'	<u> </u>	<u> </u>
EAST	0-5		635.839	631,699	7543 -40*	6'-3	A35 645	631. 557	+	36 WF 135		11"x7/8"	do	12"-8 3/4	40"-0	<b>↓</b>	29 • 7 1/2			<b>do</b> 13'-9	do 1°-7 1/16	16"-4 1/16 14"-9		do	-	20°.6 3/16	6'-3	<u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u>	1/4*	F1	<u>↓</u> '	<u> ₽</u>	ł
₩ F	- 8 - 1	1/4 D	835. 617	t	75 - 39' -04%	<u>6°-0 1/0</u>	8 835, 344	631.211		36 WF 135		11"x3/4"	5/16"	14'-10 3/0		4 15/16"		9 . 1'-0		13-10	1 -/ 1/10	14"-9	-	do 21"-0		20-2 7/8	* 5"-11 3/16	$\frac{\varepsilon}{\varepsilon}$	1/2*	F 1		E	5-11 1
	<u> </u>					<b>-</b>		1	1		14			D'		<b>├</b> ── - <b>*</b>		t		1.) = 10 TT	+		+	21'-4		L A	ε <u>Δ</u>	]_''	11/16*	F 1	5/18*	<b>FF</b>	\$-11 ¥
		—				<b></b>	_	1			1	+ ·		<u>                                     </u>		<u></u>		<u> </u>	<u> </u>							+	4	]	<b> </b>	<u> </u>	·	<b>├</b> ── <b>→</b>	<b> </b>
A			637.020	632.834	88°-43°-32"		636.826	632.677	115°-58°-47"	36 WF 170	79-10 3/16	11"x1"	5/16"	15'-0	49'-10 3/16	5 1/8"	21 • 9*	7 . 1 . 3	20 e 1º-6	18-10 2/1		20"-0		20"-0	-		-	F 1	5/16"	E I	<u> </u>	┼┰┼	I
2 B	<u> </u>	_	636.725	632.583	do	6"-11 7/1	6 636.544	632.422	do	38 WF 150	_	11"x7/8"	do	13-10	49'-0	6".	+	13 • 1 -0		19"-8 9/16		do		20°-0 18°-3	1*-9	20°-0 16°-11 1/2	6*-3	F 1	1/8"		<u> </u>	8	<u> </u>
BOUND BOUND	đo		6 36. 375	632.233	do		636.197	632.075	do	36 WF 150	73" 7/8	11"x7/8"	do	2"-2 15-16	49"-0	8 15/16*	·	11 • 1'-0	-	19-6 7/8	<u>+ · · ·</u>	d0		16-5	1 - 9 da	15 -11 1/2	do	F 1	1/8*	E 1 E 1	<u>  ·                                    </u>	C C	<u> </u>
	<u>do</u>		6 36. 025	631.883	do	do	635.850	631.752	do	36 WF 135	70"-3 3/4	11"x3/4"	do	2-7 7/8	45"-0	7 7/8*	28 . 7 1/2	<u> </u>	8 4 1 -8	19-5 1/4	+	do	-	14"-9	do	14"-4 1/2	do	FI	7/16*	E 1	+		t
EAST	do		635, 675	831. 557	40	do 6°-11 7/1	635. 504	631.406	Jo	do	67°-1 9/16	11"x5/8"	đo	13-8 1/2	40'-0 9/16	0 3/4".	1		10 0 1"-8	10-3 8/16		0	<u> </u>	13-0	ao 1°-9	13-4 1/2	do	FI	1/8*	E I	+	t Ε t	h
μ. Ε		<u>''</u> _[	635. 340	631.211	88*-43*-32*	· · · · · · · · · · · · · · · · · · ·	635.182	631.084	LIS-56"-47"	38 WF 135	63"-11 3/8	11"x5/8"	5/16*	15-5 11/10	5 35"-0	5 11/16*+			14 0 1'-6	+		20"-0		13"-0	A A A A A A A A -	11-9 9/16	6"-3	FI	1/8"	E 1		F	
										1		1				1	1			1	1	<u> </u>			<u> </u>		1	1			+		
		[										T		T	1		1		1	1	1	1	1	1	t	1	1		1	1	1		<u> </u>
	70-2	15/16	636.822	633, 172	LI2= 37°-04"	- 6 - 10 5	18 636. 660	633, 000	119-44-01	30 WF 132	66°-7 1/8	9 1/2"x1"	5/16*	11'-3 9/18	18-0	3 9/16"	18 . 9"	8 # 1*-3	16 e 1*-6	19 9 1/2	1 -	22*-0	<u> </u>			24"-9 5/8	+6'-5 15/1	F 2	- 1	E 2	-		* 6' -2 )
BOUND BOUND	5'-9		636. 520	832.870	113°-18°-05"/	7"-3	636.372	632.712	12025'-02	30 WF 132	86°-0	9 1/2"x1"	đo	11°-0	44°-0	6*	26 + 5*	16 4 9	12 • 1*-3	20'-0		19-3 11/10	2*-8 5/16	-	-	21"-3 11/10	3	F 2	-	EZ	-	8	
a   r	do		636.180	632. 530	do		636.026	6 32. 385	do	do	65°-0 1/4	9 1/2"x1"	do	10"-6 1/8	44"-0	6 1/8"	25 • 6*	do	do	do	do	do	do		-	20*-3 15/10	- 6'-3 do	F 2	-	E 2	-	C	
1.0	6'-9 I		835.841	632.191	do	7'-3	635. 680	532.019	do	do	64°-0 9/16	8 9 1/2"x7/8	do	11*-6	41°-0 9/16	8 1/4"+	24 @ 6*	do	do	do	do	do	do	-	-	19*-4 1/4		F 2	-	E 2		D	
EAST	<b>6*</b> -11		835, 501	631.851	113-13-057	8'-9 11/1	635.335	631.674	120°-25'-02	đo	63*-0 13/16	5 9 1/2"x7/8	do	11°-0	41"-0 13/10	6 3/8"+	23 0 6"	16 9 9-	12 • 1*-3	20"-0	2*-8 5/18	19-3 11/10	5 2*-8 15/16	- 1	- 1	18"-4 1/2	6'-3	F 2	-	E 2	· _	E	
<u>۲</u>			835.177	631, 527	13*-48*-13*		635.023	631.363	20°-55°-11	30 WF 132	62*-4 5/8	9 1/2"x7/8	5/16"	11*-6	39"- 4 5/8	8 5/16"	22 0 9*	4 + 1'-3	12 • 1*-6	22*-9 3/1	5 _	22"-0	-	-	-	17'-7 7/16	*6'-2 15/1	• F 2	-	E 2	-	F	* 8'-0 .
					L																					۲۷)		_					
<u> </u>	-1.			+	L		┥									47															<u> </u>	┟──┤	
A	7°_	-1	636.656		1180356	7"-1	636. 533	_		+	50°-5 3/8		-	-	-	2 11/16"			12 @ 1*-6	15"-3		16"-6	-	-	-	18"-8 3/8	6*-3	F 1	<u> </u>	Ε1			<u> </u>
	de			632.712	do		636.243		-	30 MF 99	do	9 1/2"x7/10		9"-8 11/16		do		+	10 • 1"-3	do	3*-4	13-2 .	3-4	<u> </u>	-	15-4 3/8	do	- F 2	5/8*	£ 2	<u>↓ -</u> _	В	
No C	AC			632.365	do	do	635.898		do	do	do	do	do	do	do	do	đo	do	10	do	do	đo	do		-	do	- do	- F 2	3/4*	E 2	<u> </u>	C	┣──
		0	635.682	632.019		do	-	831.947		do	do	do .	do	do .	do	0	do	do	đo	do	do	do	do	-	-	do		F 2	13/16*	E 2	<u> </u>	D	
EAST BOUND I T T O C		-1	635, 344	631.674	do	7-1	635,208			do	do	do	do	do	do	<i>do</i>	21 0 6*	11 0 9"	10 • 1*-3		3*-4	13*-2	34-4	<u> </u>	·	do	- 8"-3	F 2	7/8*	E 2	<del>  -</del>	E	┢───
그   그			635.018	631.383	Ш8°-03°-56*		634.893	631.288	LB*-03*-56*	- 30 WF 99	50*-5 3/8	9 1/2"x7/1	8 1/4*	9*-8 11/16	110	2 11/16"	27 @ 9"	5 • 1'-3	8 e 1"-6	18'-7		18*-6	-	-	-	15"-4 3/8	┥	F 2	3/ 4"	5.2	<u> </u>	F	<b></b>
							-1	1	1		1	1		1	1	1	1	1		1		1			1	1		-1		1			

"		USER NAME = Lin	DESIGNED -	REVISED -		BEAM DATA – LOCATION 1	F.A.P. RTE.	SECTION	COUNTY TOTAL SHE SHEETS N
AME	Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–1005	372	2013-039BP	СООК 209 1
z H	Springfield, Illinois	PLOT SCALE = PLOT DATE = 3/22/2017	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. SA-6 OF SA-8 SHEETS			CONTRACT NO. 60W
ĒL		PLUI DATE = 3/22/2017	12:09:25 PM CHECKED -	REVISED -		SHEET NU. SA-6 OF SA-8 SHEETS		ILLINOIS FED.	AID PROJECT



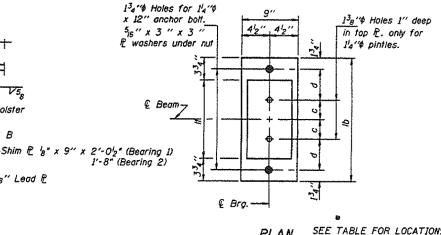
	USER NAME = Lin	DESIGNED -	REVISED -		<b>BEARING DETAILS – LOCATION 1</b>	F.A.P.	SECTION	COUNTY	TOTAL SHE	ET
		CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	соок	209 13	3
Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1005			CONTRACT	NO. 60W7	6
apringheid, minors	PLOT DATE = 3/22/2017 12:09:33 PM	CHECKED -	REVISED -		SHEET NO. SA-7 OF SA-8 SHEETS		ILLINOIS FED.	AID PROJECT		-

### TABLE 1. South Bound Bridge

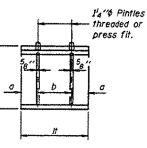
N. A	BUT.	PIE	R 1	PIE	R 2	FIE	34	PIEF	15	SA	BUT.
<u> </u>	Y	Х	Y	X	.Y	X	Y	X	Y	X	
4*	8*	4'	8*	4*	8"	4	8	3 1/4"	6 1/2*	4	87
3 1/4"	6 1/2*	4"	8*	4*	8*	4"	8*	3 1/4		3 1/4"	6 1/2*
3 1/4*	6 1/2*	4'	8*	4"	8*	4"	8"	3 1/4*			
3 1/4"	6 1/2"	4"	8*	4"	8*	4"	8*	3 1/4*		······	
3 1/4*	6 1/2*	4"	8*	4"	8'	4"	8"	3 1/4			
3 1/4*	6 1/2"	4'	8"	4	8'	4'	8*				
	X 3 1/4* 3 1/4* 3 1/4* 3 1/4*	3 1/4° 6 1/2° 3 1/4° 6 1/2° 3 1/4° 6 1/2° 3 1/4° 6 1/2°	X Y X 4* 5* 4* 3 1/4* 6 1/2* 4*	X         Y         X         Y           4*         8*         4*         8*           3 1/4*         6 1/2*         4*         8*           3 1/4*         6 1/2*         4*         8*           3 1/4*         6 1/2*         4*         8*           3 1/4*         6 1/2*         4*         8*	X         Y         X         Y         X           4*         5*         4*         6*         4*         6*         4*           3 1/4*         6 1/2*         4*         6*         4*         4*         3*         4*         4*         3*         4*         4*         4*         4*         4*         4*         4*         4*         4*         3*         4*         4*         4*         4*         4*         4*         4*         4*         4*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*         3*         4*	X         Y         X         Y         X         Y           4*         8*         4*         8*         4*         8*           3 1/4*         6 1/2*         4*         6*         4*         8*           3 1/4*         6 1/2*         4*         8*         4*         8*           3 1/4*         6 1/2*         4*         8*         4*         8*           3 1/4*         6 1/2*         4*         8*         3*         3*	X         Y         X         Y         X         Y         X           4*         8*         4*         8*         4*         8*         4*         8*         4*           3 1/4*         6 1/2*         4*         6*         4*         8*         4*           3 1/4*         6 1/2*         4*         8*         4*         8*         4*           3 1/4*         6 1/2*         4*         8*         4*         8*         4*           3 1/4*         6 1/2*         4*         8*         4*         8*         4*           3 1/4*         6 1/2*         4*         8*         4*         8*         4*	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X	X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X	X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X         Y         X

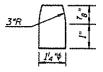
FIXED BEARING TABLE

	PLATE A	PLATE B	#	lb	0	D	c	đ	No.Req'd.
	1 ³ 4" X 9" X 1'-5"	1" X 9" X 2'-0'2"	17"	24'2"	3"	205*	5"	5*	4
_	138" X 9" X 1'-0'2"	34" X 9" X 1'-8"	12'2"	20*	3*	6'2"	34"	5*	2



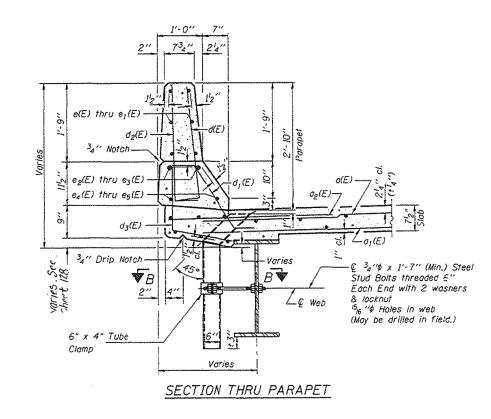
SEE TABLE FOR LOCATIONS AND DIMENSIONS PLAN





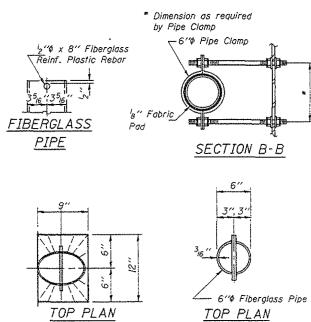
PINTLE DETAIL

-Plane Edges



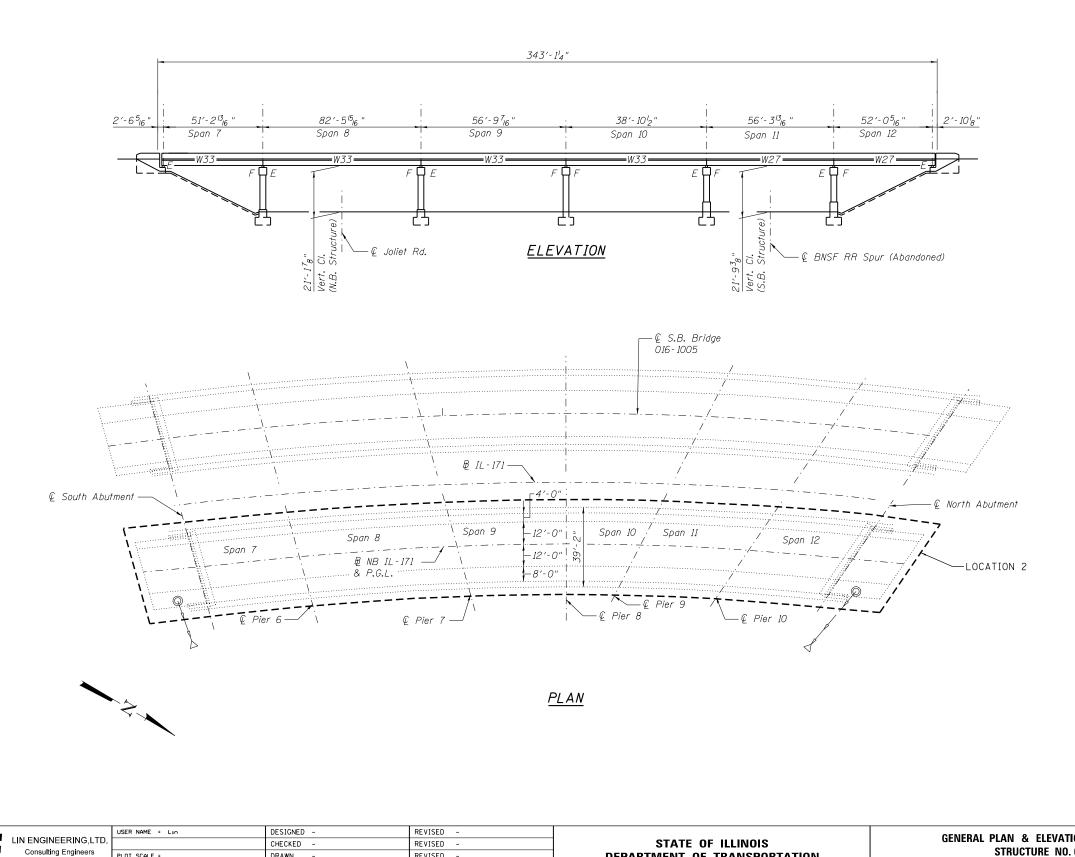
\$FILEA\$

FILE



		USER NAME = Lin	DESIGNED -	REVISED -		DRAIN DETAILS – LOCATION 1	F.A.P.	SECTION	COUNTY	TOTAL SHEET
E			CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	СООК	209 14
		PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1005				T NO. 60W76
	Springfield, Illinois	PLOT DATE = 3/22/2017 12:09:45 PM	CHECKED -	REVISED -		SHEET NO. SA-8 OF SA-8 SHEETS		ILLINOIS FED. AI	D PROJECT	

.



	CHECKED -	REVISED -	STATE OF ILLINOIS	GENERAL F
	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	
8 PM	CHECKED -	REVISED -		5

LOT SCALE =

PLOT DATE = 3/22/2017 12:09:58

Springfield, Illinois

### **GENERAL NOTES**

- 1. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
- 2. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. STRUCTURAL SHEETS TAKEN FROM EXISTING PLANS CONTAIN INFORMATION NOT PERTAINING TO THIS CONTRACT AND ARE FOR INFORMATION ONLY.
- 4. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEET SB-9 HAS BEEN PRIMED WITH AN INORGANIC ZINC RICH PRIMER UNDER A PREVIOUS CONTRACT. THESE STEEL SURFACES SHALL BE PRESSURE WASHED CLEAN AND POWER TOOL CLEANED (SSPC SP-3 MODIFIED) AS NECESSARY PRIOR TO THE APPLICATION OF THE INTERMEDIATE AND TOP COATS. THE INORGANIC ZINC RICH PRIMER ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR FIELD PAINTING OF THESE LOCATIONS. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 5. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SB-2 THRU SB-8 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE LOCATIONS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF THE EPOXY MASTIC / EPOXY MASTIC / ACRYLIC PAINT SYSTEM. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY. MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 6. A MINIMUM OF 4 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
- 7. THE ELASTOMERIC PADS OF THE EXISTING BEARINGS SHALL BE MASKED OFF FOR PROTECTION DURING PAINTING AND REMOVED WHEN PAINTING IS FINISHED. COST INCLUDED WITH "CLEANING AND PAINTING STEEL BRIDGE NO. 2".
- 8. IF APPLICABLE, THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.

# TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 2	L. SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT	L. SUM	1
CLEANING RESIDUES NO. 2		

PLAN & ELEVATION – LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
STRUCTURE NO. 016–1006	372	2013-039BP	СООК	209	15			
5110010HE NO. 010-1000			CONTRACT	NO. 6	50W76			
SHEET NO. SB-1 OF SB-9 SHEETS	ILLINOIS FED. AID PROJECT							

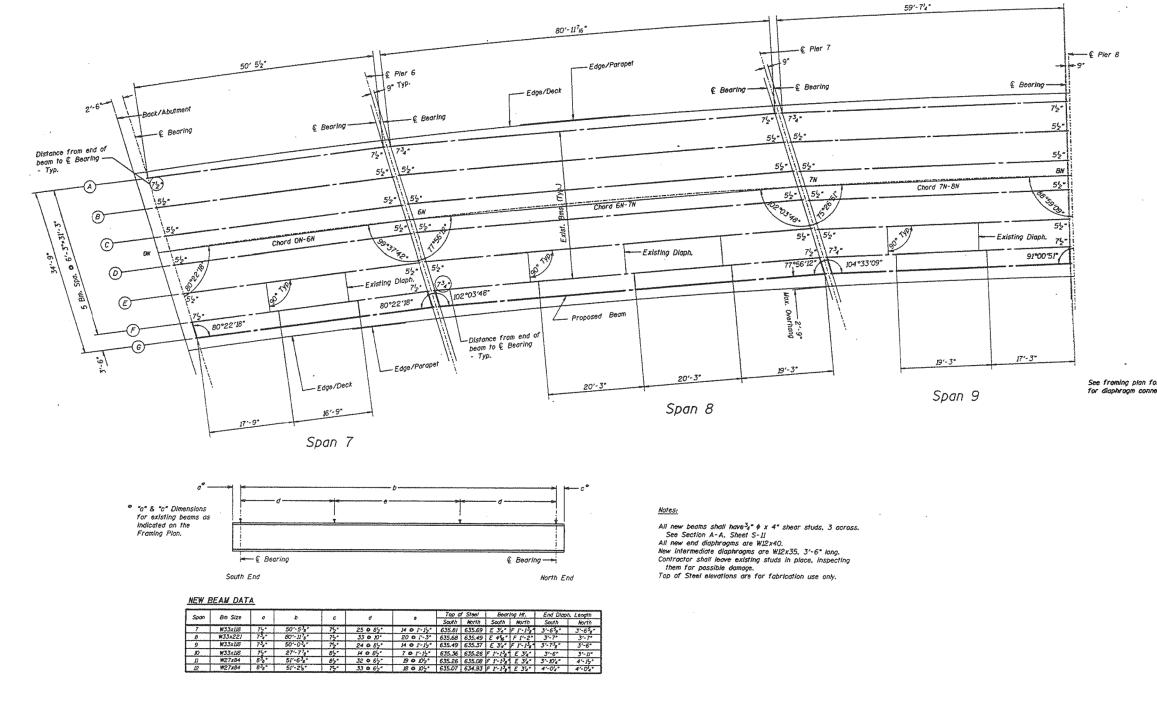
. 

FILE

Note: For table of new beam Moments and Shears, see next sheet.

Contractor shall exercise extreme care to not damage the existing beams during removal of the cancrete deck.

Sow cutting of existing slab over stringers will not be allowed.



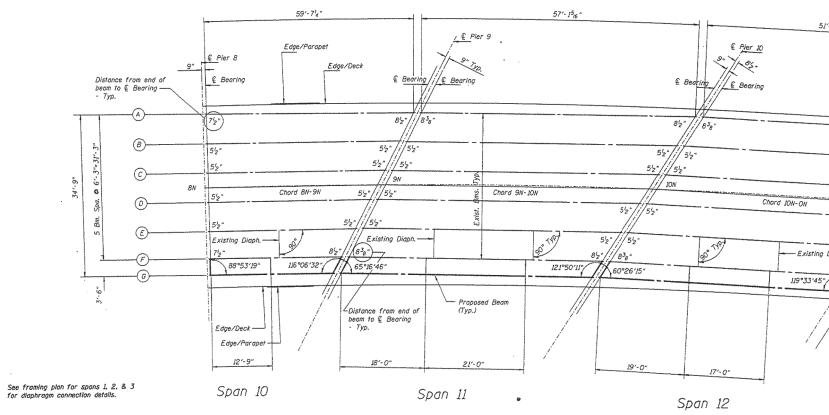
	USER NAME = Lin	DESIGNED -	REVISED -		FRAMING PLAN - LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
IN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1006	372	2013-039BP	СООК	209 16
Springfield, Illinois	PLOT SCALE = PLOT DATE = 3/22/2017 12:09:59 PM	DRAWN -	REVISED -		SHEET NO. SB-2 OF SB-9 SHEETS			CONTRAC	T NO. 60W76
	1201 BATE - 3/22/2017 12.0 %3 / 111	CHECKED -	REVISED -				ILLINUIS FED. AI	DPROJECT	

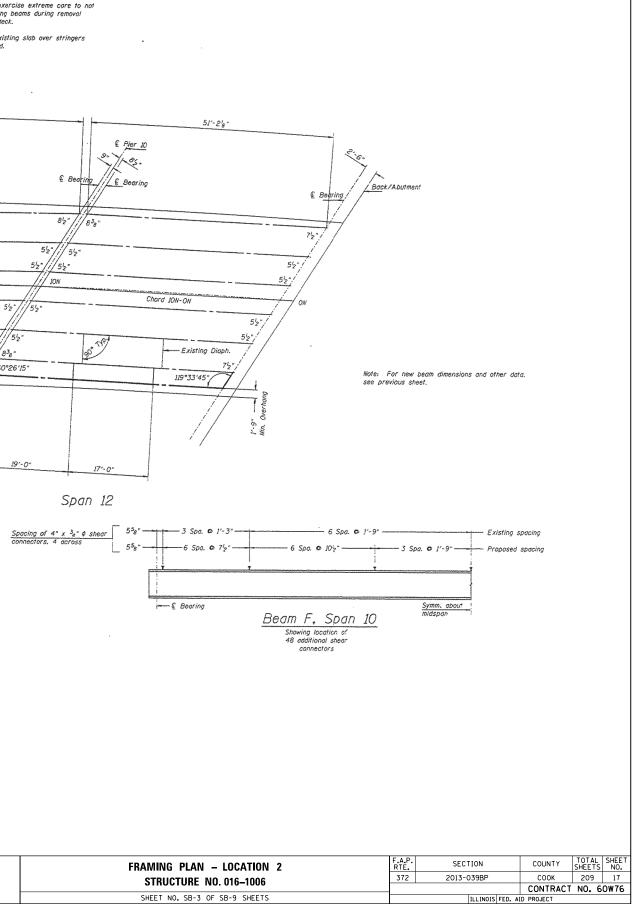
See froming plan for spans 1, 2, & 3 for diaphrogm connection details.

 $\rightarrow \rightarrow N$ 

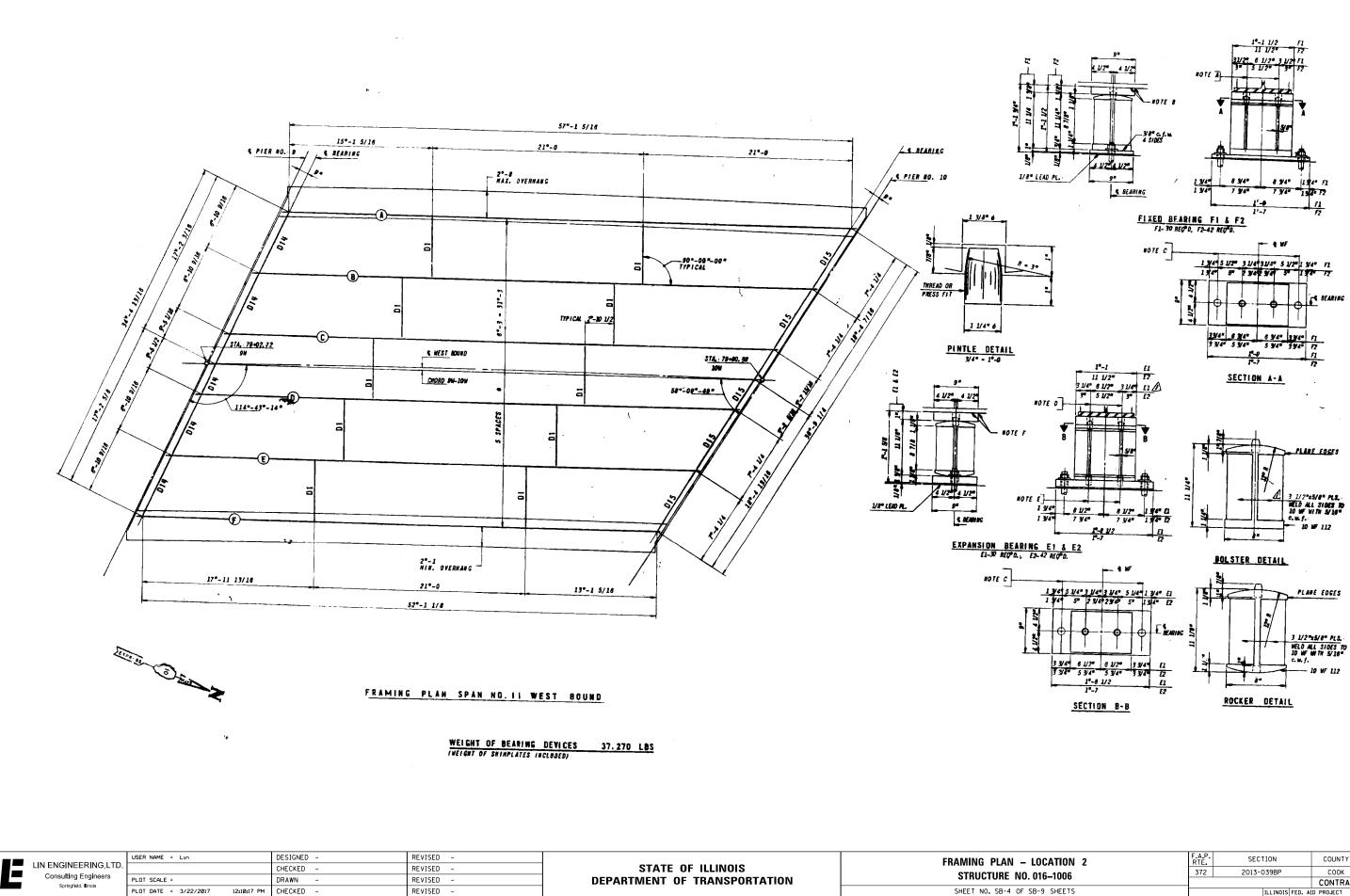
Contractor sholl exercise extreme care to not damage the existing beams during removal of the concrete deck.

Saw cutting of existing slab over stringers will not be allowed.

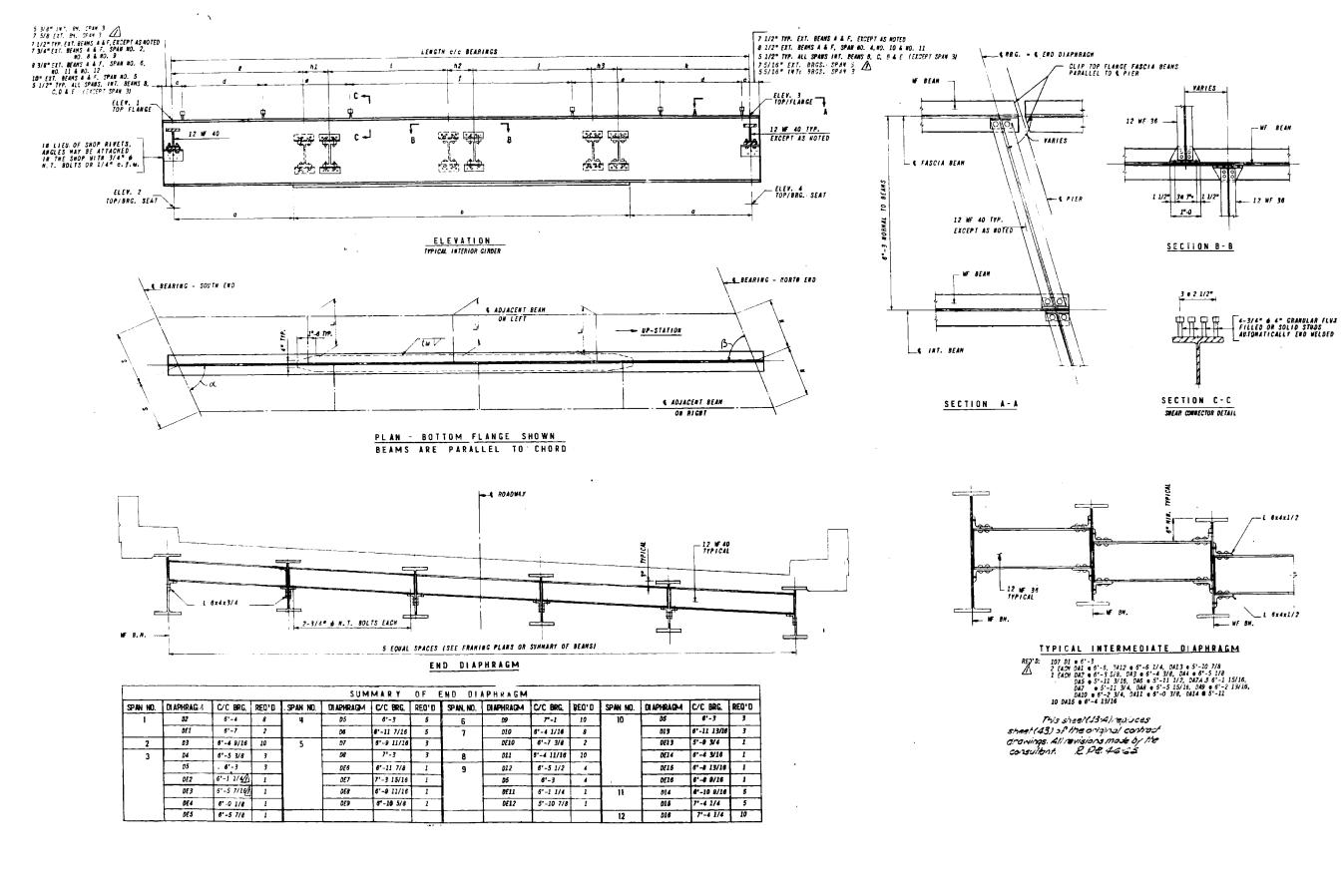




<b>—</b>	USER NAME = Lin	DESIGNED -	REVISED -		FRAMING PLAN - LOC
		CHECKED -	REVISED -	STATE OF ILLINOIS	
Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016
Springheid, minors	PLOT DATE = 3/22/2017 12:10:08 PM	CHECKED -	REVISED -		SHEET NO. SB-3 OF SB-9



LOCATION 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
). 016–1006	372	2013-039BP	39ВР СООК		
. 010-1000			CONTRACT	NO. 6	0W76
SB-9 SHEETS		ILLINOIS FED. AI	D PROJECT		

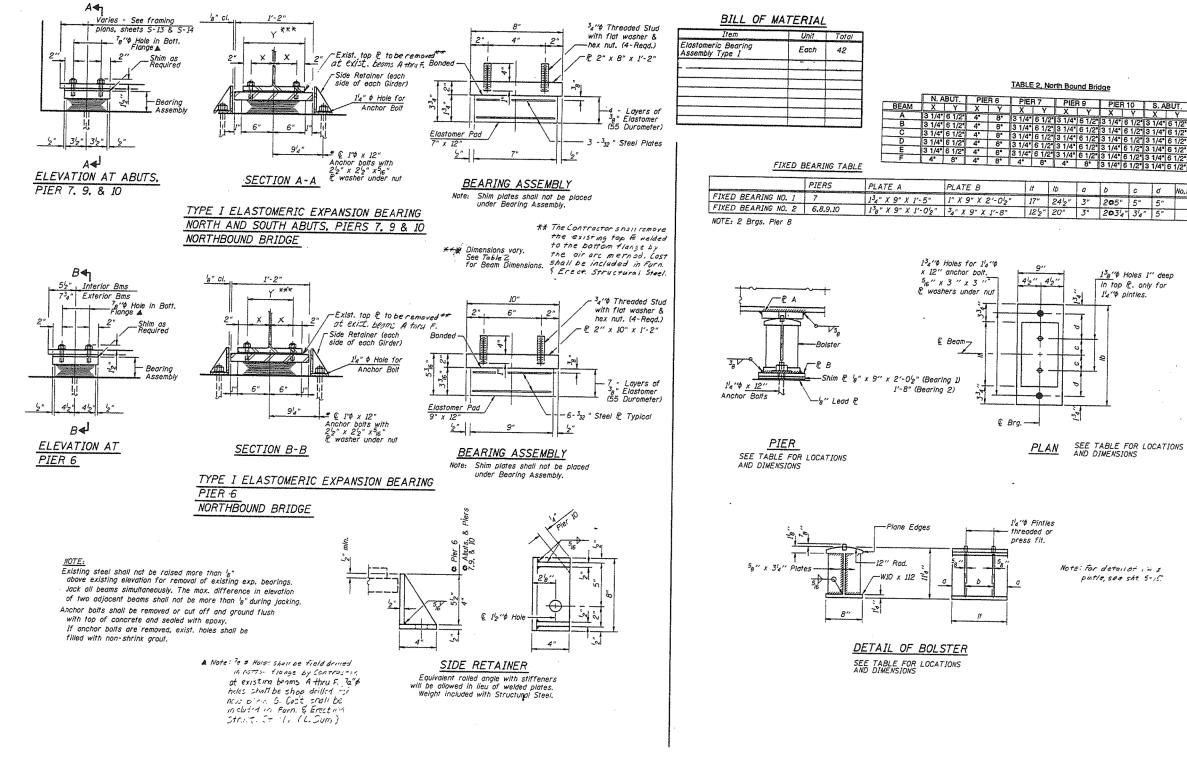


*		USER NAME = Lin	DESIGNED -	REVISED -		STEEL DIAPHRAGM DETAILS – LOCATION 2	F.A.P.	SECTION		OTAL SHEET
AME	LIN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS	STELL DIAFINATION DETAILS - LOCATION 2 STRUCTURE NO. 016-1006	372	2013-039BP	СООК 2	209 19
ž U	Consulting Engineers Springfield, Illinois	PLOT SCALE =         DRAWN -         REVISE           PLOT DATE = 3/22/2017         12:10:26 PM         CHECKED -         REVISE		REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO SR-5 OF SR-9 SHEETS				NO. 60W76
			CHECKED	REVISED -				ILLINOIS FED. A	ID FROJECT	

# SUMMARY OF BEAMS SPAN NO. 7 THRU NO. 12 WEST BOUND

	₹ F	T	DUTH EN				NORTH E			DEALA	LENGTH		FI ANAS		·	6UE / P	CONNECT	OR SPACE	BEA		<u>OAT</u>											Σ
	BEA	s l	ELEVA		ANGLE	N	ELEY	TION	ANGLE	SI 7E	LENGTH c/c BEARING	SIZE		PLATES		SHCAN	LUNNEL	UR SPACE	RG			NTERMED		PHRAGM		·		SOUTH				REN
					d			9	P	SILE	BEARING	3122	WELD						- '		· · · · ·		·*z		<u>^h3</u>		1	BRG, TYPE	SHIM PL.	BRG. TYPE	SHIM PL.	<u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
· • •			497.617	<b>651</b> 911	80*-22*-18"		637. <del>5</del> 88	633.783	60-22-18*	90 IF 99	50'-5 1/2	9 1/2°x7/16	1/4*	9-3 5/4	31'-0	2 3/4=	17 4 8	5 TT-1	802-4	17-7 1/4	<u> </u>	15-0				16'-1 1/4		£2	<b>├</b>		<u>↓</u>	<u> </u>
a t	8 +	-7 318	837.487	659.001	do	6'-7 3/8	637.077	633.482	do	- nic	đo	ćo	đa	do i	da	60	21 . 6* .		0 . 1-1		1-0 3/4	15'-8 1/4	1'-0 3/4			16'-1 3/4	6'-6 1/4	62		<u> 72</u> 72		<u>A</u>
	C C	-4 1/16	638.653	633.248	40	8°-4 1/18.	<b>636.</b> 725	633.230	do	do	do	đo	do	do	<i>d</i> 0	.60		- 44	đo .	40 T		dg	<b>đ</b> 0	_	-	đo	d'-3	62	+	F2	•	C C
	0	do	632.440	652.204	đu	- <b>3</b>	838. 873	632,778	do	dio j	<b>d</b> 0	60	dig .	do	60	da		1 🗰 💱	. 40	*:	do	do	do	-	-	do	đo	Ε2	- 1	F2		0
MC31	E		638.147	632.641	de .		654.021	632. 426	· ~ @	30 WF 99	đo	9 1/2"x7/18	1/4*	9'-8 3/4	31'-0	40	21 6.4"	21.00	19 e 11-5	<b>đ</b> 0	1'-0 3/4	15"-8 1/4"	1'-0 3/4	-	-	16'-1 3/4	do	E2	<u> </u>	12		E
<u>۽</u>	F	<u>°-4 1/16</u>	455.024	<b>61</b> , 726.	80*-22'-18"	<u>5°-4 1/16</u>	635, 644	621. 541	804-22*-18**	36 WF 135	50'-5 1/2	-	-	1.	-	2 3/4*	27 4 24	Se Page	8 + 1'-4	16'-6	-	16'-9	-	-	-	17'-2 1/2	6'-3	E1	- 1	<i>F</i> 1	1/2	F
[		{	3°			<u> </u>											8 ₆ .		.)	-					 -			l				
	ŀ	[														4		2	2 	•						-						
	- 1	8'-4 11/10	697. 896		77*-48*-18*	4-4-12/10	\$37. 179		774-661-124		<b>80°-11</b> 7/16		5/16*		50-11 7/16			101-3			-	20"-3	-	20"-3	÷	18*-10 7/16	41.4.	EI	<u> </u>	F1	- 1	A
OUURN	B	50	637. (85	652.050	<b>\$</b> 0		636.073	692.733	đo	36 MF 170	do	11"11"	đo		62'-0 7/16		20 8 7 1/2	13 e 1'-9	10 8 1'-6 -	20'-3	1'-4	16"-11	1'-4	18'-11	1'-4	đo	d'-3" do	- <del>1</del>		FI	-	8
220	<u> </u>	80	634.799	692.501	60	-	636.521	612.512		<b>4</b> 0	do	40	do	40	<b>40</b>	sto .		<b></b>		<b>6</b> 0	đo	<b>đ</b> 0	<b>do</b>	do	đo	đo	do	El		F1	$ \cdot $	C
	D	do	829. 575	\$32. 226	- 40		838.169 ·	632.010		de	do	db .	60	đò	20	60		<b>d0</b>	60	đo	'do	<b>đ</b> 0	60	<b>do</b>	đo	do	10 10	<u> </u>	<u> </u>	n		0
	F	0'-4 11/18	. 656.670	al1. 872	6	e-1 1070	1995.017	\$21.558		<b>9 11 170</b>	60	12"x1"	eto		52'-0 7/16	do		15 4 1 -0		<b>e</b>	1'-4	18"-11	1'-4	18'-11		18°-10 7/16	6'-3	<u>[1</u>	<u> </u>	<u>n'</u>		E
	F		635.009	631.841	77-55-42	67	135,450	Ø31.'321	774-58-12"	見新加	80'-11 7/16	11 <b>"z1</b> "	5/14"	15'-0	50*-11 7/18	5 12/16" ±	20 0 0	8 = 1'-3	20 @ 1'-6	20'-3	<u> </u>	20'-3	·	20'-3	-	20'-2 7/18		£1	<b>↓</b> ′	F1	┝───┤	1
		,			••••••		'				<b> </b>				30 				÷	· · · · · ·									<b> </b> '	<b>↓</b> '	↓	
-			637.178	ATT	75-28'-51'		637.024	112.414	914-004-515	30 WF 108	501-7 1/4	8 1/2"=3/4"	5/16*	11-9 5/8	512-4	2 5/8*	77 4 345	10 • 11• A	15 A 11-A	10. S/R					· · · · · · · · · · · · · · · · · · ·			l	<b>↓</b> /		<b>↓</b> ┩	
	B	6"-5 1/2	636.854	133.745	60	(°-3	454.714	633 204	ato - 14			0 1/2"x3/4"	60	<u>+</u>	31'-3 7/18		18.001/2		10 • 1'-3)			10'-3 do				184-8 5/8 19*-5 5/18	<b>8'</b> -3	<u>- E2</u>		F2 F2	┼╾╌╴╽	
GMAD	C C	đo	638.598	192.000	40		- 636. 364	632. 154	d0	30 HF 108		9 1/2"=5/8"	80		38'-1 11/16		18 + 6 1/2"		10 1'-3			do	<u> </u>			19'-3 5/10	<b>d</b> 0	E2 E2	<u> </u>	F2 F2	· · ·	B C
	D	đa	696.129	632.648			698.026	652.410	d0	30 WF 99	·	do		9'-2 7/10	37-0		18 8 6 1/2		10 . 1'-3				-			10*-2 11/16	do	E2	<u> </u>	F2	1/8*	
	E	0'-5 1/2	635.760	632.192	60	(°-3	635.064	632.000	60	30 WF 09	52'-8 1/18		5/18* **	4	34'-4 1/10	A	18 0 0 1/2	· · · · ·	9 • 1'-4		+	d0				19'-1 5/10	6'-3	10	<u> </u>	F2	1/8"	Ε
	F	6-11/4	6 15, 476		78 20 - 51	5'-10 7/8	636.544	and the second s	91 - 00° - 51 *						1			0 . 1 0			-	10'-3	· ·		-	10-10-0	5"-10 7/	εl	11/16*	F1	1/10*	F
		i				1	~~			States						-	~													<u> </u>	++	
			No.		12					1	1						1.			l			ł			A-7	<b>!</b>		1		11	
	A	av 14 a/24	637.020	653.414	88-52-28	8-8 V/1	. 634. 285	632.291	116-05-31	20 W 99	45 - 2 1/8			-	-	5.9/16"	5 0 1'-0"	8 0 1'-3"	11 0 1'-9	23'-0 1/16	- 1	-	-	-	-	22 -2 1/15		F2	1/8"	E2	1/8"	A
QNNOB	8	6'-'4 3/10	638.705	° <b>63</b> 9. 104	89*-18' -10	A-11 19/1	636.662	632.878	110-31'-29	30 HF 99	42'-1 1/4	-		- ;	-	8 5/8"	-11 0 8"	8 . 9"	18 0 1'-0	20'-11 1/8	2'-0	- 1	1 -	-	-	19'-2 1/8	6'-1 15/16'	F2	1/16*	E2	3/16"	В
٦Ö	C	-6°-3	036.355	832.754	60		434.254	632.451	do	30 WF 99	38' 10 7/8	-	-	•	-	5 7/16*	11 4 8"	8.0.9*	15 @ 1'-0	18'A10 3/1	6 80	-	<u> </u>	-	-	18°-0 11/16	6'-3	F2	1/16"	E2	-	C
	0	do 6'-9	836.005	832.410	đo	1. 1 Mg	635, 912	632. 507	do	30 WF 90	35 - 8 9/18	-	-	-	-	4.1/4*+	12 • 6*	8 0.9"		10'-9 5/10	60	-	-	-	-	16'-11 1/4	6'-3	F2	-	E?	-	D
WEST	E	59 3/4	635.686	632.000	89*-18'-16	e-11 101	134.691	631.003		90 WF 80	- t	-	-		4	4.1/8 -	12 . 6"	7 . 9*	9 0 1'-0	14"-8 3/8	2"-0	-	-	-	-	15'-9 13/10	5'-11"	F2		E2		E
5	E		635, \$40	,611.232	88*-53:-D	e-1 (19)1	625,284	631.166	116-06 -32	36 WF 135	28'-5 1/4	-	+	•	-	5 5/8*	3 0 1'-3	-	12 • 1'-9	14'-7 1/2	-	-	-		<del>_</del>	14'-9 3/4	L	4 62		E1	<u> </u>	F
	<b></b>		·				<u> </u>		L	·			L				L	L		1	L			<b>_</b>					<b>_</b>	<b></b>	<u> </u>	┢───┨──
			·				<b>.</b>		A7												· · · ·	ļ		ļ				┥	<b>_</b>		<u> </u>	<b>⊢</b>
_	<u>A</u>	6'-10 9/16	638.901	633, 291	114*-43*-1	1-4 14	430.750	633.135				0 1/2 ×6/8			20'-0 5/16			8 . 1'-0	12 • 1'-6			21'-0	<u> </u>		-	21"-0	8'-3	- F2		E2	+'	B
BOUND	L B	do	638.588	632.978	<u></u>	60	638.458	632.835	do	30 WF 108		9 1/2"x\$/8		10'-0 5/8		6 5/8*		2 11 • 10*	12 0 1 - 3	do	2"-10 1/2	1	2"-10 1/2			17'-1 7/16	do	F2 F2	+	£2 £2	+	c
80		do .		632.651	<b>60</b>	- 00 .	656.110	632, 505	40	30 WF 99	55-1 1/4	9 1/2"x}/4 9 1/2"x\$/8		9'-3 5/0 9'-0 1/2	30'-4 36'-0 3/16	7 1/8* 3 9/16*+		2 11 + 10* 2 13 + 10*	12 e 1'-3 9 e 1'-3		do	do do	d0 			16°-1 7/16 15°-1 3/8	do	F2	1/8*	E2	+	D
<b>S1</b>	E	do	635, 911 635, 570	632.307 631.963	do/		835.788 835.422	632.161 631.417	do do	do	54'-1 3/16 53'-1 1/8		· · · · · · · · ·	9'-6 9/10		7 9/16*	L	2 12 • 10"		15-1 5/18			+			14'-1 5/16		F2	1/8*	E2		Ε
WEST		8'-10 9/15	535.280	631.659	+	7-51H	835.124	631. 519	121*-50'-1			9 1/2"x5/8		10-11 1/10	· · _ ·	3 \$/16*	13		12 0 1'-6			21'-0	2*-10 1/2	+		13'-1 5/18	- 6'-3	F2	1/16*	E2	1 -	F
	<u> </u>		058.200	031.625	114-41 -1	·	]		ζΔ			+		15-11 1/12			+	1		1							-			+	1	
	+	1	<u>}</u>	+	+	-	]	+			+		<u> </u>	-+	+	1 1	Δ-	A.	1 1/3	<u> </u>	+	<u> </u>	+		<u> </u>	<u> </u>	1		1.	1		
	A		636.752	633.135	117-55		636. 622	632.016	119*-37'-4	5 30 45 00	51'-2 1/8	9 1/2"x1/2	- 1/4-	11*-2 9/10	21'-9			8 • 1'-0"		15-1 7/16	-	17'-0	+		-	19'-0 11/1	ō	F2	1/4*	E2	-	A
	8	7'-4 1/4	838.452				836. 330	832.725	do	do	do	do	de	10"-2 #/16		5 5/8"		2 11 • 10"	9 • 1'-3		3'-7 9/16		3*-7 9/18	-	-	15'-5 1/8	6'-4 13/1	F2	1/4*	E2	<u> </u>	8
BOUND	C	do	638.106		_		835.077	832.371	do	do	do	do	do	<b>s</b> to	d0	d0	d0	do	80	do	do	do	<b>d</b> 0	· ·	-	do	do	F2	1/18*	E2		C
<b>B</b> 01	<u>с</u> 0	do	635.782	632.181	60	- 40	835.824	632.017	do	<i>d</i> 0	do	do	do	do	do	do	do	do	do	do	do '	do	do	-	-	do		- F2	3/16*	62		D
ST	E	do	635.617	631.817	do	do	635.272	\$31.656	άο	30 WF 99		9 1/2"x1/2	* 1/4*	10"-2 9/16	30'-9	5 5/8"	9 . 6 1/2				3'-7 9/16	13'-4 7/10	3'-7 8/16	-	-	do	6'-6 13/1	6 F2	1/16"	<u>£2</u>	- <del>  -</del>	E
WEST	F	7'-4 1/4	635, 1 20			5 7-4 2/4	634. 987	830,889	1194-33'-4		51'-2 1/8	-	-	-	1	4 1/16"	12 • 9"	8 • 1*-0*	11 0 1'-6	18'-9	-	17"-0	-	-	-	15'-5 1/8	<u></u>		<u> </u>	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>		F
		<u> </u>	-			]	-		4	CA.	T						47	43	L ₽2							l	┟────	-		+	+	┠┈┾╸
	1	<b> </b>	-	1	1	<b></b>	-	1 1	•			1				1			1	1 ' -	1	1	1	1	J	1		<u> </u>				┡─────

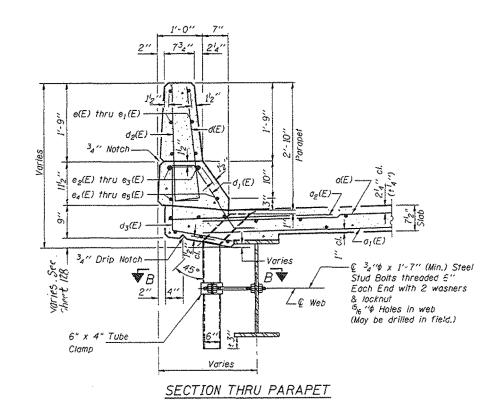
	USER NAME = Lin	DESIGNED -	REVISED -		REAM DATA - LOCATION 2	F.A.P. RTF.	SECTION	COUNTY TOTAL SHEET
LIN ENGINEERING, LTD. Consulting Engineers		CHECKED -	REVISED -			372	2013-039BP	СООК 209 20
Springfield, Illinois	PLOT SCALE = PLOT DATE = 3/22/2017 12:10:33 PM	DRAWN – CHECKED –	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. SB-6 OF SB-9 SHEETS		ILLINOIS FED. A	CONTRACT NO. 60W76
	LIN ENGINEERING, LTD. Consulting Engineers _{Springfield, Minois}	LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	LIN ENGINEERING,LTD. Consulting Engineers Springfield, Illinois COLE CALE = DRAWN -	LIN ENGINEERING,LTD. Consulting Engineers Sympted Illinois USER NAME = Lin DESIGNED - REVISED	LIN ENGINEERING,LTD. Consulting Engineers Springfed Illinois USER NAME = Lin DESIGNED - REVISED - STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	USER NAME = Lin     DESIGNED -     REVISED -       LIN ENGINEERING.PT     CHECKED -     REVISED -       Consulting Engineers     PLOT SCALE =     DRAWN -       REVISED -     REVISED -       Statement Winds     DRAWN -       REVISED -     REVISED -	USER NAME = Lin       DESIGNED -       REVISED -       REVISED -       REVISED -         LIN ENGINEERING,LTD CODUCTIVE SCALE =       CHECKED -       REVISED -       STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION       BEAM DATA - LOCATION 2       RTE - 372         Strated Winds       DRAWN -       REVISED -       BEAM DATA - LOCATION 2       RTE - 372	USER NAME = Lin       DESIGNED -       REVISED -       REVISED -       REVISED -       SECTION         LIN ENGINEERING,TD Consulting Engineers Stratedel Winds       CHECKED -       REVISED -       REVISED -       STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION       BEAM DATA - LOCATION 2       Revised Rev



	USER NAME = Lin	DESIGNED -	REVISED -		BEARING DETAILS – LOCATION 2	F.A.P. RTF.	SECTION	COUNTY TOTAL S
		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–1006	372	2013-039BP	СООК 209
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 60
	PLOT DATE = 3/22/2017 12:10:41 PM	CHECKED -	REVISED -		SHEET NO. SB-7 OF SB-9 SHEETS		ILLINOIS FED. /	AID PROJECT

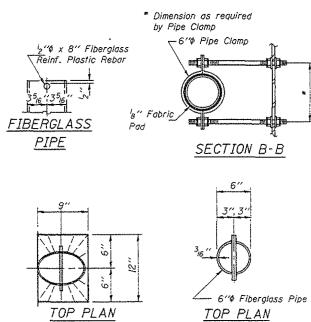
ABUT.	PIE	R 6	PIEF	37	PIE	0 0	DIFF			
Y	X	T Y	X	· v			PIEF	110	S.A	BUT.
4" 6 1/2"	4"	8.	31/4	6 1/2*	2 1/4	10 1 101	X	Y	<u> </u>	Y
4* 6 1/2*	4"	8*	3 1/4"	6 1/2*	2 1/4	6 1/2*	3 1/4"	6 1/2*	3 1/4"	6 1/2"
4 6 1/2	4"	8.	3 1/4"			6 1/2*				6 1/2
* 6 1/2*	4°	8*	3 1/4	6 1/2"	3 1/4*				3 1/4"	6 1/2"
6 1/2	4"	8"	3 1/4	6 1/2*	3 1/4"	6 1/2* 6 1/2*		6 1/2		
8*	4*	8.	4	8.	4	01/2		6 1/2*		6 1/2*
			I			0	3 1/4	6 1/2	3 1/4*	6 1/2

 PLATE B	<i>lt</i>	Ib	a	b	c	đ	No.req'd
 1" X 9" X 2'-0'2"	17"	24'2"	3"	205"	5"	5″	1
 34" X 9" X 1'-8"	12'2"	20"	3"	2034"	3'4"	5"	5



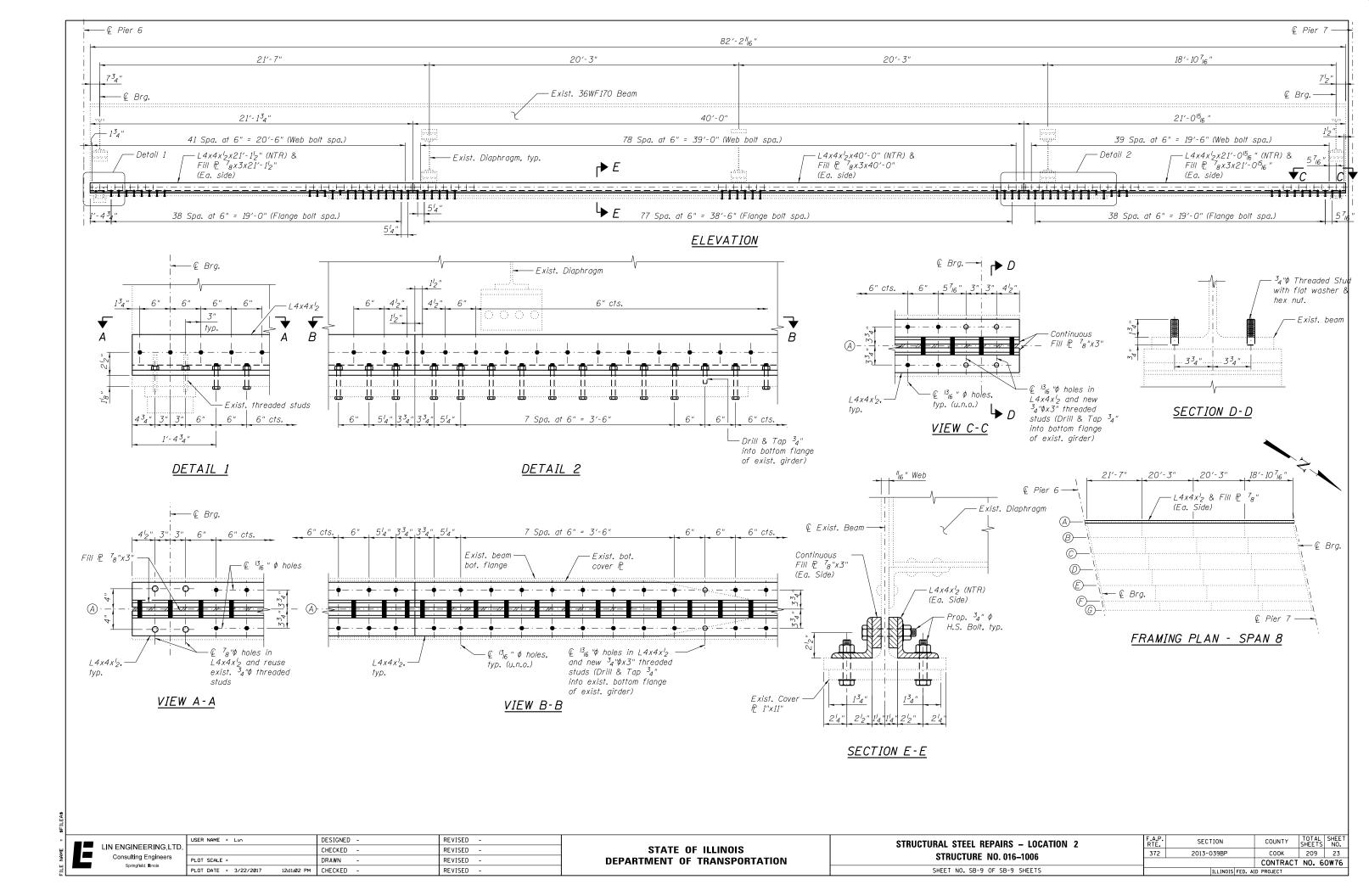
\$FILEA\$

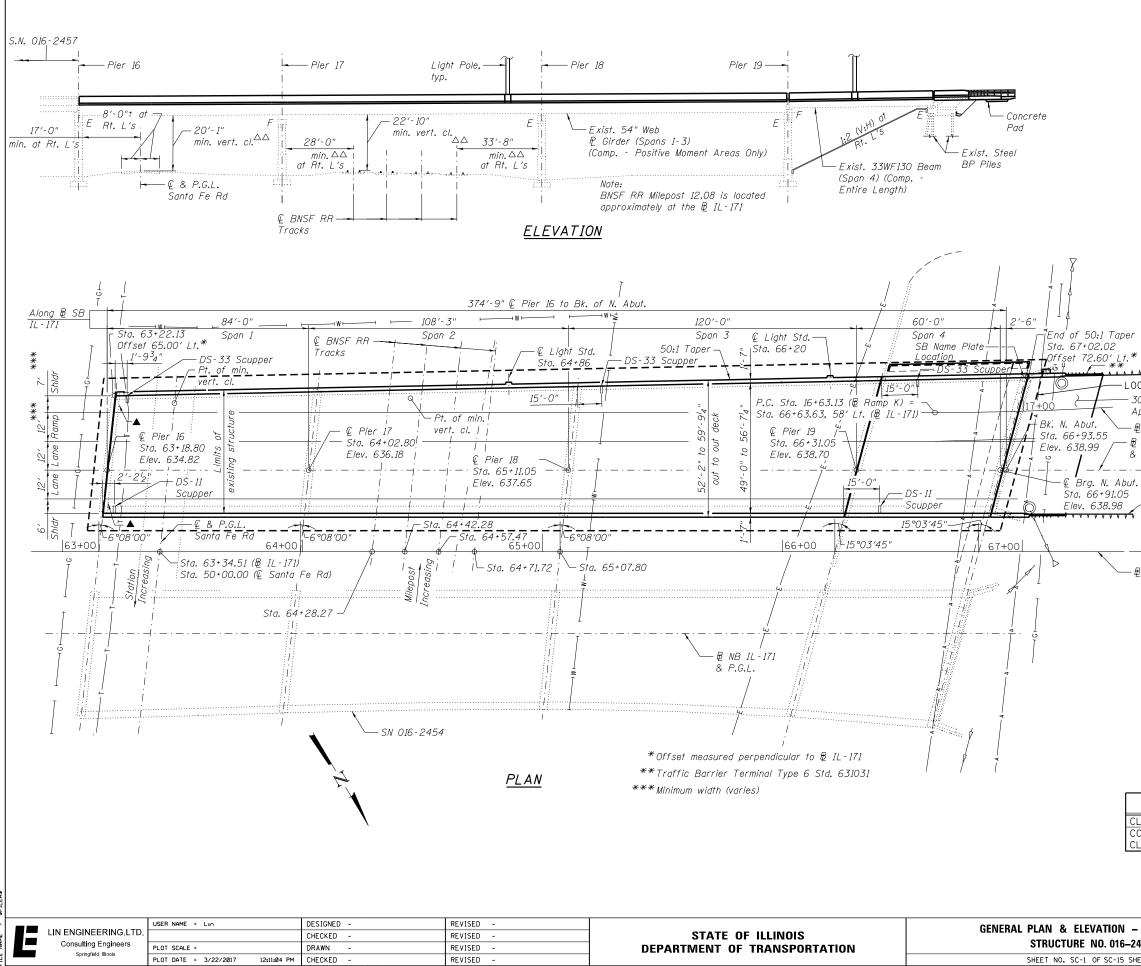
FILE



	USER NAME = Lin	DESIGNED -	REVISED -		DRAIN DETAILS – LOCATION 2	F.A.P. SECTION	COUNTY TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		372 2013-039BP	Соок 209 22
	PLOT SCALE = DRAWN - REVISED		REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–1006		CONTRACT NO. 60W76
Springfield, Illinois	PLOT DATE = 3/22/2017 12:10:50 PM CHECKED - REVISED -			SHEET NO. SB-8 OF SB-9 SHEETS	ILLINOIS FED. A	AID PROJECT	

.





# **GENERAL NOTES**

- 1. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
- 2. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. STRUCTURAL SHEETS TAKEN FROM EXISTING PLANS CONTAIN INFORMATION NOT PERTAINING TO THIS CONTRACT AND ARE FOR INFORMATION ONLY.
- 4. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SC-11 THRU SC-15 HAS BEEN PRIMED WITH AN INORGANIC ZINC RICH PRIMER UNDER A PREVIOUS CONTRACT. THESE STEEL SURFACES SHALL BE PRESSURE WASHED CLEAN AND POWER TOOL CLEANED (SSPC SP-3 MODIFIED) AS NECESSARY PRIOR TO THE APPLICATION OF THE INTERMEDIATE AND TOP COATS. THE INORGANIC ZINC RICH PRIMER / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR FIELD PAINTING OF THESE LOCATIONS. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.

ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SC-2 THRU SC-10 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE LOCATIONS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF THE EPOXY MASTIC / EPOXY MASTIC / ACRYLIC PAINT SYSTEM. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.

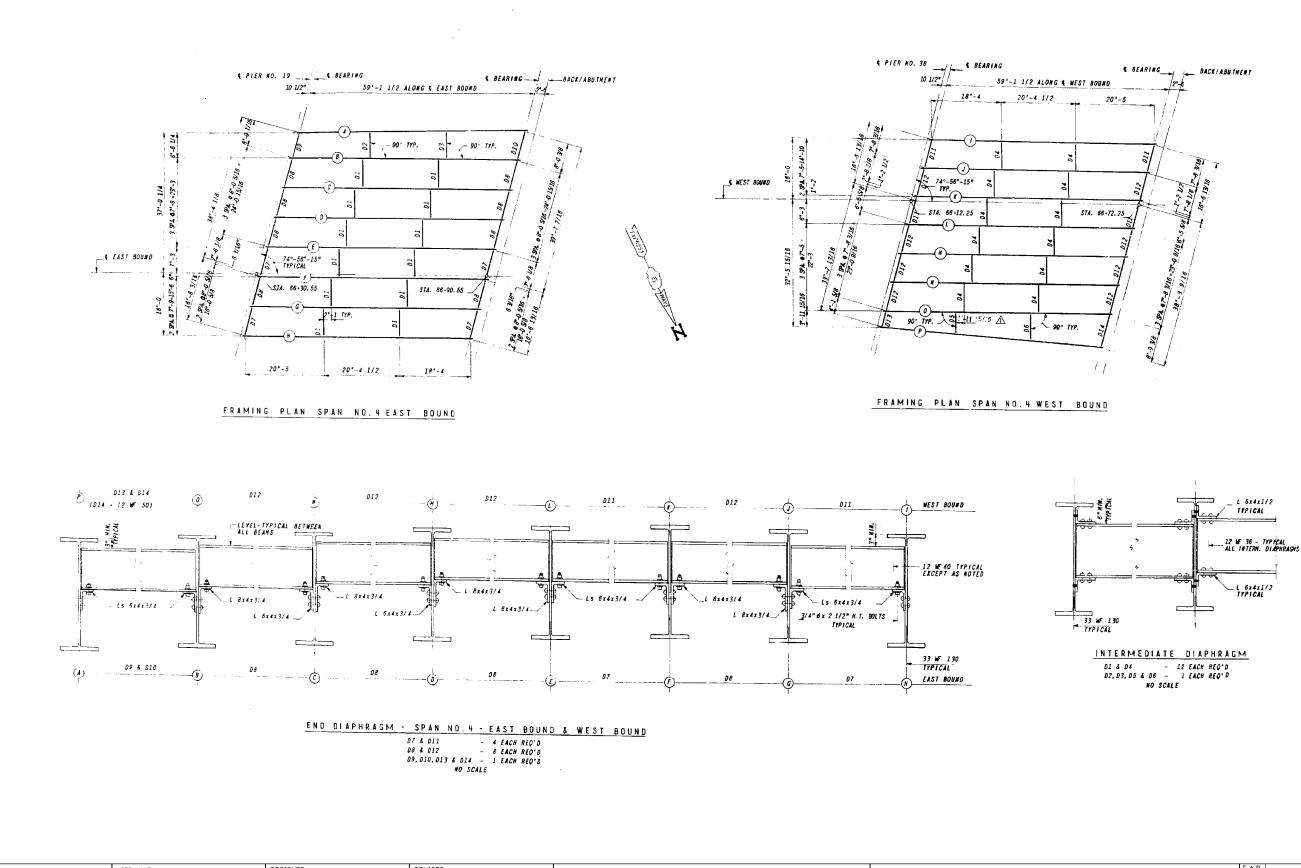
- 6. A MINIMUM OF 4 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
- 7. THE ELASTOMERIC PADS OF THE EXISTING BEARINGS SHALL BE MASKED OFF FOR PROTECTION DURING PAINTING AND REMOVED WHEN PAINTING IS FINISHED. COST INCLUDED WITH "CLEANING AND PAINTING STEEL BRIDGE NO. 3".
- 8. IF APPLICABLE, THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.

# TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 3	L. SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT	L. SUM	1
CLEANING RESIDUES NO. 3		

					I			
ION – LOCATION 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
016-2455	372	2013-039BP	СООК	209	24			
010-2435	CONTRACT NO. 60W76							
C-15 SHEETS	ILLINOIS FED. AID PROJECT							

└── ₿ IL - 171

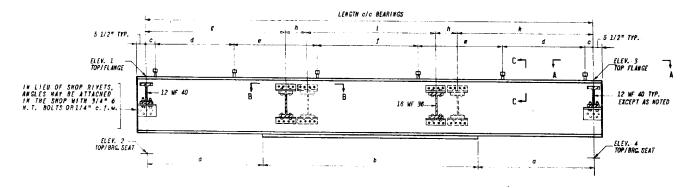


DESIGNED -REVISED -USER NAME = Lin E FRAMING PLAN & DIAPHRA LIN ENGINEERING, LTD. STATE OF ILLINOIS CHECKED -REVISED -Consulting Engineers STRUCTURE NO. PLOT SCALE = DRAWN REVISED -**DEPARTMENT OF TRANSPORTATION** Springfield, Illinois PLOT DATE = 3/22/2017 12:11:05 PM CHECKED -REVISED -

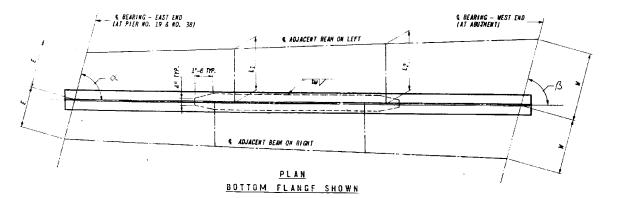
SHEET NO. SC-2 OF SC

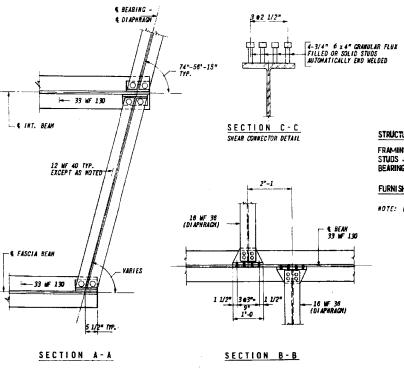
					I			
AGMS – LOCATION 3	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
016–2455	372	2013-039BP	СООК	209	25			
. 010-2455	CONTRACT NO. 60W76							
SC-15 SHEETS	ILLINOIS FED. AID PROJECT							

			EAST EN	D DAT	A			WEST E		T									BE	AM DA	ATA											
AN	BEAM	E	ELEVA	TION	ANG	1	w	ELEVA	TION	ANGLE		LENGTH C/C		FLANGE			SHEAR	CONNECT	OR SPACE	NG		NTERMED	ATE DI	PHRAGM	SPACING		EAST	END	WEST	END	BEAM	REMARKS
			1	2				3	4	13	SI ZE	BEARING	SI ZE	WELD "te"	<u>a</u>	ь	c	1	в	1	E	h	1	*	41	12			BRG. TYPE		DCAM	REMARKS
ļ				+99 · 0				877 050	622 0.64	73°-44*-51"			-									L						-		-		
	· · · · · · · · · · · · · · · · · · ·	6'-9 1/16	lum on a constant			D	1 0 2/p 1			74 -56*-15"		59°-5 5/8 53°-1 1/2	10"\$3/4"	1/4"	16'-2 13/16	· · · · · · · · · · · · · · · · · · ·	8 13/16"	11 •1'-0	-	24 01'-6	18'-8			20-5 1/15	6"-10 15/16		F1	-	El			
_ }		8'-0 5/16	<u> </u>				n site			/4 -30 -15"	do	58 -1 1/2	<u>ao</u>	40	11'-0 3/4	37'-0	6 3/4"	25 86"	10 0 9"	18 01'-0	18'-4	2'-1	18'-3 1/2	18'-4	7"-9		do	-	do	······	·	
	c	do	637.827	633.94			do	638.150	634,256	<i>a</i> o	<i>d</i> 0	<i>a</i> o	do	đ0	do	do	do	do	do	do	do	do	đo	do	/ -9	7'-9	đo	-	do		— <u> </u>	
	0	do					do	638.296		do	do	do	40	do	do	do	do	do	do	do	do	do	do	do	do	đo	do	-	do	<u> </u>		
;	<u> </u>	do	638.063		<u>u</u> u			638.394	634.500	do	do	do	đo	do	do	do	đo	do	do	do	do	do	do	do	do	đ0	do	·	do	-		
Ś	f	do	ter en el compositor de la	634.17	1		do do	638.452	634.558	do	do	do	đo	do	do	do	do	do	do	₫o	do	do	do	do	do	do	do	5/8"	do	+		
	G	8*-0 5/16	638.024	634.11			8'-0 5/16	638.365		do	do	do	do	do	11'-0 3/4	37"-0	do	25 0 6"	10 0 9"	18 <b>e</b> 1°-0	18"-4	2'-1	18'-3 1/2	do		do	do	5/16"	do	<u>+</u>	C I	
- 1	H		637.913	634.02	9 740-58	-15"	,	638.257	\$34. 363	74"-56"-15"	33 WF 130	59'-1 1/?	10"x3/4"	1/4"	16"-0 3/4	27'-0	6 3/4"	11 e 1°-0		24 @ 1'-6	20'-5	-	20*-4 1/2	18'-4	7'-9	7'-9	F1		E1	<u> </u>		
																													1	+ · ·· · · ·	·····	
_	••••••••••••••••••••••••••••••••••••••		1						L													T							1	+		
																						$\square$			ļ					t	· • · · ·	
	· · · · · · · · · · · · · · · · · · ·	7"-8 3/16	637.844		1 7456	'-15"	7'-8 3/16		<u> </u>	74 -56-15"	33 WF 130	59'-1 1/2	10"x5/8"	1/4"	16'-0 3/4	27"-0	6 3/4"	11 0 1'-0		24 0 1'-6	18*-4	- 1	20"-4 1/2	20'-5			F1		F1	<u> </u>		
		7'-8 1/8	637.924	634.04			7*-8 1/8	638.293	634.399	do	do	do	da	do	11'-0 3/4	37"-0	do	25 # 6"	10 e 9"	18 @ 1'-0	do	1'-11 15/16	18"-3 1/2	18'-4	7'-5	7*-5	do		10	+		
	K	7'-8 1/8	637.983				7"-8 1/8	638.357	634.463	do	do	do	do	do	do	do	do	da	do	do	do	do	do	do	do	do	do		do			
	(		637.918			· ·	7*-8 3/16	638.296	634.402	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	<u> </u>	do			
		do					da	638.194		do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do				L 	
		7"-8 3/16	637,649				71 0 3/10	638.035	634, 141	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	đo	do	do		do			
	0	4'-1 5/8	637.485	<u> </u>		-15"	01 0 3/0	637.875		74"-56"-15		59'-1 1/2	do	do	11'-0 3/4	37"-0	8 3/4"	25 . 6"	11 0 9"	18 a 1'-0	18*-4	1'-11 15/16	18"-3 1/2	18'-4	do	do	do		do			
	р р		637. 397	633.52	4 79-21	-57"		637.693	633.799	79°-21*-57	33 WF 130	58"-1 1/8	10"x 5/8		15'-6 1/2	27"-0 1/8	g=	11 • 1'-0	11 01-6	1 • 1'-7 1/8	19"-5 5/8	1 -	20'-5 1/4	18"-2 5/16	5'-5 15/16	7"-0 7/8	FI		FI			
			1	1														1	1	1	t —		1	1					+	I	· '	







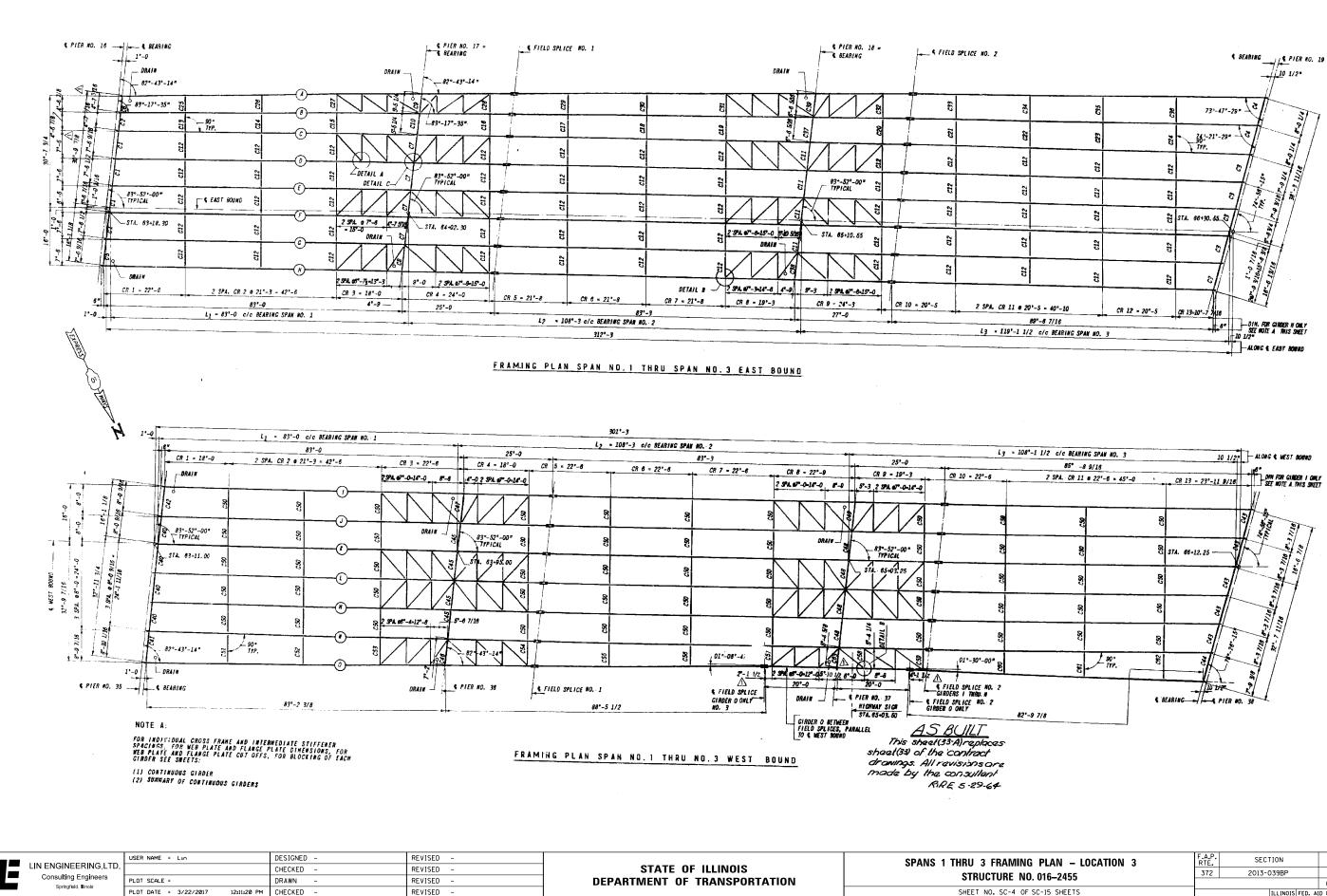


*										
"		USER NAME = Lin	DESIGNED - REVISED -			SPAN 4 BEAM DATA – LOCATION 3	F.A.P.	SECTION	COUNTY	TOTAL SHEET
AME			CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	соок	209 26
₽	Consularing Engineers	PLOT SCALE = DRAWN - REVISED -		DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2455	CONTRAC			T NO. 60W76	
	Springfield, Illinois	PLOT DATE = 3/22/2017 12:11:13 PM	CHECKED -	REVISED -		SHEET NO. SC-3 OF SC-15 SHEETS		ILLINOIS FED. A	ID PROJECT	

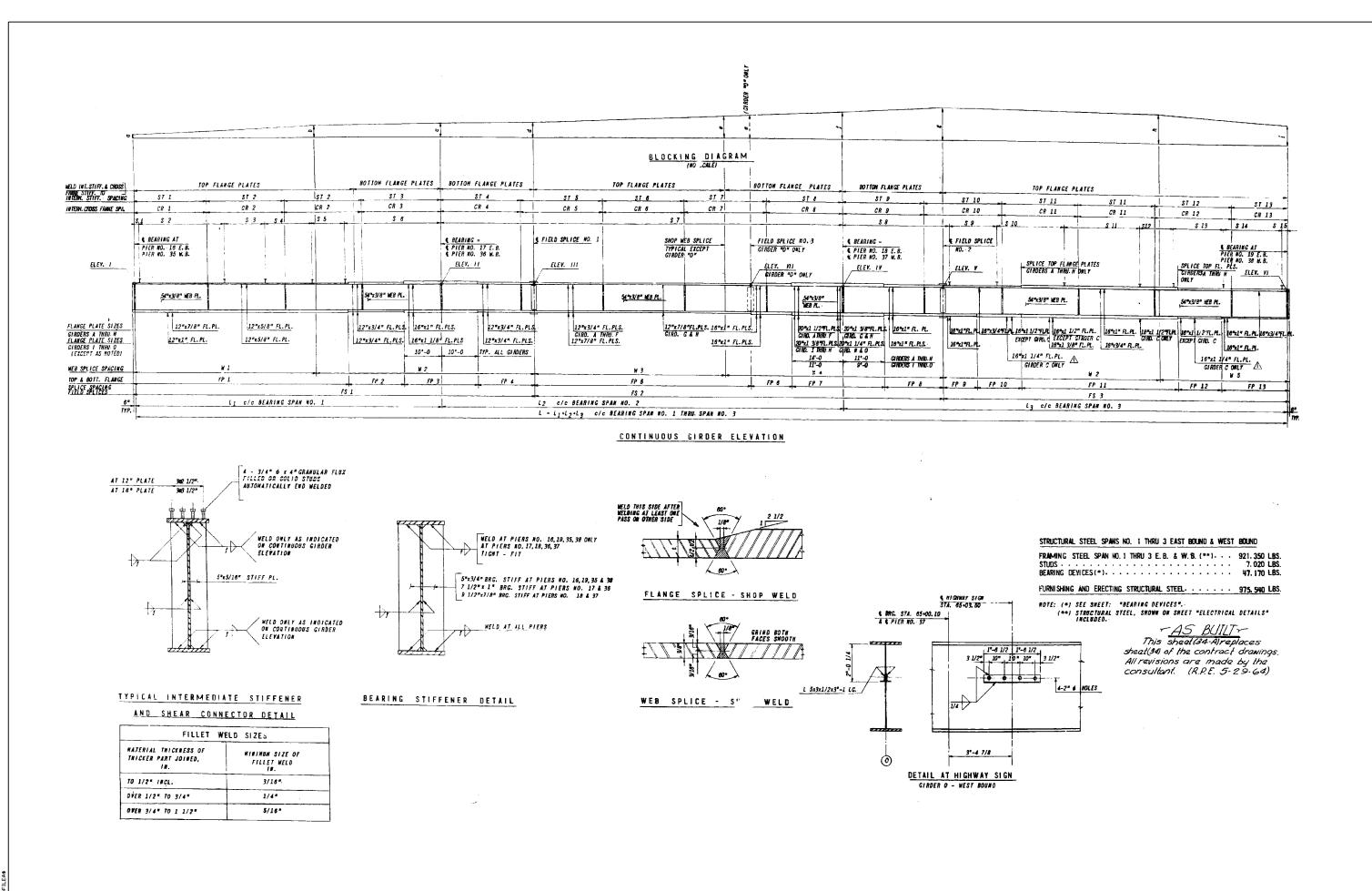
STRUCTURAL STEEL SPANS NO. 4 EAST BOUND & WEST BOUND 
 FRAMING
 STEEL
 SPAN
 NO.
 4
 E
 B.
 &
 W.
 B.
 .
 .
 .
 157.
 505 LBS.

 STUDS
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 157.
 505 LBS.
 STUDS
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 .
 . FURNISHING AND ERECTING STRUCTURAL STEEL . . . 170.080 LBS.

HOTE: (*) SEE SHEET: " BEARING DEVICES "..



PLAN – LOCATION 3	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
016–2455	372	2013-039BP	СООК	209	27			
010-2433			CONTRACT	NO. 6	0W76			
SC-15 SHEETS	ILLINOIS FED. AID PROJECT							



	USER NAME = Lin	DESIGNED -	REVISED -		SPANS 1 THRU 3 GIRDER DETAILS – LOCATION 3	F.A.P.	SECTION	COUNTY	TOTAL SHEET
LIN ENGINEERING,LTD.     Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2455	372	2013-039BP	СООК	209 28
Consulting Engineers Springfield, Illinois	PLOT SCALE = DRAWN - REVISED -		DEPARTMENT OF TRANSPORTATION				CONTRACT	T NO. 60W76	
_pringhene, minore	PLOT DATE = 3/22/2017 12:11:28 PM CHECKED - REVISED		REVISED -		SHEET NO. SC-5 OF SC-15 SHEETS		ILLINOIS FED. A	AID PROJECT	

	I LENGIN U	C BEARIN	<u>ل</u>		IELD SPLIC						TOP & 80	TTOM FL	ANGE PL	ATES CUT	- 0 F F									
11	L2	L3	L=L1+L2+L3	FS 1	FS 2	FS 3	FP 1	FP 2	FP 3	FP 4	FP 5	FP 6	FP 7	FP 8	FP 9 **	FP 10 **		FP 12 **		WEB	PLATE SPL	ICES (SHOP	& FIELD S	SPLICES)
83'-2 3/8	108'-6 1/18	125'-4 13/16	317'-1 1/4	108'-9 1/16	110'-8 1/8	98"-10 1/16	58"-8 3/8	15"-0	20"-0	15'-0 11/16	58"-5 3/8	11'-0	25'-0	18'-0 3/4	9*-0	12'-0	FP 11 **		FP 13 **	<u> </u>	W 2	# 3	# 4	1 1 2
83'-1 1/8	108'-4 7/16	123'-11 15/16	315*-5 1/2	108*-7 7/16	110'-4 1/2	97"-5 9/16	58'-7 1/8	do	do	15"-0 5/16	58'-4 1/8	do	do	16*-0 3/8		120	47'-4 1/16	12*-0	18°-6	49°-9 1/10	59°-0	51-6 1/8	59'-0	39'-10
83'-0	108'-3	122*-7 3/16	313"-10 3/16	108'-6	110'-3	96'-1 3/16	58'-6	đo	do	25'-0	58*-3	do	do	16'-0		ao	45°-11 9/16	do	do	49°-7 7/16	do	51'-4 1/2	do	38'-5 9
đo	do	121'-4 11/16	312'-7 11/16	do	do	94'-10 11/16	do	do	do	10	do				do	đo	44'-7 3/16	do	do	49'-6	i do	51*-3	do	
do	do	120*-2 1/8	311*-5 1/8	do	do	93"-8 1/8	do	do	40			do	do	đo	do	do	43'-4 11/16	do	do	do	do	do	do	37*-1 3
do	do	118'-11 9/16	310'-2 9/16	do	do	92*-5 9/16	d0		40		do	do	do	do	do	ďo	42'-2 1/8	do	đo	do	do			35"-10
	40	117'-9	309'-0	do	do	91"-3	40	do	00	do	do	do	do	do	do	do	40"-11 9/16	do	do	do		do	do	34*-8 2
do							40	do	do	do	do	do	do	do	do	do	39"-9	do	do	do		do	do	33'-5 \$
83'-0	108"-3		307'-9 7/16	108°-6	110'-3	90'-0 7/16	58'-6	15*-0	20*-0	15*-0	58'-3	11'-0	25*~0	16'-0	9'-0	12*-0	38*-6 7/16	12'-0	101.0		ao	do	đo	32"-3
83*-0	108"-3	110*-8 9/16	301'-11 9/16	108*-6	108*-3	86°-2 9/16	58"-6	15*-0	20'-0	25°-0	62"-3	10*-0	20'-0	16*-0	19'-0	-	45'-2 9/16	12 -0	18'-6	49*-6	59*-0	51'-3	59"-0	31.07
do	do	109'-5	300"-8	do	do	84*-11	do	do	do	do	do	đo	do	do	do	_	43°-11		22'-0	49"-6	59'-0	51°-3	57 '-0	27"-2 9
do	đo	108'-1 1/2	299"-4 1/2	do	do	83*~7 1/2	do	do	do	do	do	do	do	do					d0	do	đo	do	do	25-1
đo	đo	106"-10	298'-1	do	do	82*-4	do	do	do	do	do	do	do	1	do		42"-7 1/2	-	do	do	do	do	đo	24'-7
đo	đo	105'-6 7/16	295*-9 7/16	do	do	81'-0 7/18	do	d0	da					do	do		41'-4	-	do	do	do	do	do	23'-4
83"-0	108'-3	104"-2 15/16	295'-5 15/16	108*-6	108'-3	79'-8 15/16	587-6	do		151.0	do	do	do	do	do		40°-0 7/16	-	đo	do	do	do	do	22'-0 7
83'-2 3/8	108*-5 1/2 *	102'-9 7/8 *	294'-5 3/4 *	108'-9 1/16	63'-4 13/16 +40'-0	83*-3 7/8	58"-8 3/8	15'-0	20'-0	25*-0	62'-3	10*-0	do	16'-0	19"-0	-	38"-8 15/16	-	do .	49*-6	do	51'-3	57'-0	
		1		1				130	20'-0	15°-0 11/16	63*-4 13/16	9"-0	20"-0	11'-0	24"-0	-	37*-3 7/8	· _	22*-0	49'-9 1/16	59'-0	63'-4 13/16	40'-0	20'-8 1

F		1 1		CR 1	ST 2	CR 2				INIE	RMEDI	AIE STIFFE	NER	SPACINGS A	ND IN	TERMEDIAT	E CRO	SSFRAME S	PACING	S IC/C	STIFFE	NERS)							
1			2.010				5/ 1	CR		5/4		ST 5	CR 5	87.6	CD 0		CR 7	ST B	CR 8	\$7.9	CR 9	ST 10	CR 10	ST 11				T	
3 4	04	1 04 -	3 3/8 1	/*-6 3/8	4 04 - 3+1 04 - 3 5/	8 21*-3 5/8	287-2+184	-5 5/4 23*-0	3/4 1 6	4-0 38+4 93-9	19'-0 3/8	2 •4"-1 5/16+3 • 4"-6	21*-8 5/8	4 8 4*-4+1 8 4*-4 5/8	21*-8 5/8	1	+	6 e 3 -9 + 1el 9-13/16	24'-313/10	10433/8407-9			001 5 0/10	4 04*-1+1 04*-1 9/18	CR 11	ST 12	CR 12	<u>ST 13</u>	CR
_		4*-6			4 @ 4"-3+104"-3 5/1		1	1			19"-6	2 04"-1 1/8+3 0 4"-6	21'-8 5/10	5 4 8 4"-4+1 84"-4 5/16	21"-8 5/18	1		5 9 3-9+ 202-8 1/4	23 . 3 :12	202-4 12407-9	19'-9	444 -6-1 02 -3 9/10	20 -5 9/10	4 64°-1+1 64°-1 9/18 4 64°-1+1 64°-1 1/4	20'-5 9/16	<b>↓                                     </b>		5 @4'-0+104'-3 3/1	1024'-3
4	e 3*-l	+1 0 3*-	5 5/8 1	8*-5 5/8	5 @ 4'-3	21'-3	503-9+103	-3 3/8 22"-0	3/8 20	2-5 13/16+4 e3-9	19*-115/8	1 @ 3"-8+4 @ 4"-6	21"-8	5 0 4'-4	21"-8	13	8	5 0 7-0+ 105-6 2/2	28. 2 2/8	1 01-5 5/8+5 0 3-9	200 0 5/0		20 -3 1/4	· · · · · · · · · · · · · · · · · · ·	20*-5 1/4			4 e 4'-6+1e4'-5 15/2	18 22*-5
1	e 3'	+1 8 4"-	3 5/16 1	19"-3 5/16	do	do	5 0 3-9 +1 02	5 11/16 21 - 2	1/ 16 10	2-0 5/18+5 C 3-9	20"-9 5/16	1 e 2°-11+5 e 3°-9	do	do	do		5	5 . 7	2 3 - 3 3 10		20-2 5/8	5 64 -6+2 63 -5 1/2	20*-5	504-1	20'-5			4 04'-3-103'-8 9/1	16 20'-8
	04°-	+1 @ 4	-1	20"-1	do							4 0 4'-8+1 0 3'-8	do	do	do	ž	- <u>-</u>			102-35/18-503-9				do	do	5	8	4 . 3'-9+103'-8 3/8	8 18'-
	a 4° -	+1 <b>e</b> 3'	10 11/16 2	20"-10 11/16	do	do	4 0 7-9-2 02-	11/16 19'-7	5/16 10	3-7 11/18+5 03-9			d0	40		<u></u>	- 3	5 0 3-9+ 1 0 2-11				2 •3'-5 1/2+3 •4'-6	đo	do	do	37		3 04'-3+103'-11 1/8	_
	٥ <i>4</i> '-	+1 e3*	-8 5/16	21"-8 5/16	do					4- 5 5/16+5 03-9			40	do				5 . 3-9+ 1 . 2-15/1	6 20°-JD 5/16	103*-10 11/18+503*-9	22"-7 11/16	2 @2"-9+4 @ 4"-5	đo	do	do	3M	1 he	3 63"-6+104"-1 7/6	
	5	a 4°-6		22'-6	5 a 4'-3	21'-3				4-5+403-9		4 0 4'-8+1 0 3'-8	21*-8	5 0 4'-4	21'-8			568 -7 1/2+161 -11 3/1	6 20°-0 1¥16	206-2 11/16+40 3-9	23*-5 5/16	304"-6+2 0 3"-5 1/2	đo	do	do		<u> </u>	204'-3+104"-1 11/16	_
		0 4'-6		18"-0	5 9 4'-3	21'-3				4-0+103-6	18'-0	5 # 4*-8				+		4 03"-7 1/2 +202" 4 U	2 19'-3	303-1+409-9	24'-3	30 4'-8+2 0 3'-5 1/2	20"-5	504-1	20'-5			203"-6+103"-7 7/16	-
	0 7'-	+107"-	10 5/16	18°-10 5/16	do					2-5 1/84 0 3-6			22'-6	5 @ 4"-6	22*-6			403-8+204-4 1/2	22'-9	2 82-7 1/2 + 445-6	19'-3	5 . 4'-8	22*-6	5 . 4'-6	22*-6	ليستعسم			_
-				19"-8 5/8		+	5 . 7	2 2/0 21 -1	11/10/20	2-5 1/84 0 3-6	18"-10 5/16	5 a 4"-6	do	do	da		90 GE	5 .3 -6 +1 04 -4 11/16	21'-10 11/K	142-7 5/16+543-6	20"-1 5/15	2 . 3'-3+4 . 4'-0		d0	d0	<u> </u>		504"-0+103"-11 9/16	_
-				20°-6 15/16								2 + 3'-3: 4 + 4'-0	d0	do	40	5 10	S	505-0 + 105-0 38	21'-0 3/8	105-5 248-5 6 5-8	20'-11 5/8	2 + 2'-9+4 + 4'-1	đù			·'		404"-6+103"-9 11/16	
					-							2 8 3'-3+4 8 4'-0	do	do	đo	4		583-6 + 162-8 1/16	20'-2 1/16	104-3 15/16+503-8	21 -9 15/15	5 0 4'-8	do	do	d0	'	<u> </u>	404"-0+103"-7 7/8	-
-				21'-5 1/4 22'-3 9/16	1	do	5 8 3-5+1 0 1	6 3/4 19'-0	3/4 10	8-11 1/4 +5 e 3°-6	21'-5 1/4	5 8 4'-6	do	do	do	35		503°-8 + 10 1°-9 3/4			22"-8 1/4					<u> </u>	+- <u>-</u> -	364"-6+164"-0 1/16	-+-
•		+1 04	- 3 4/ 16	22 - 3 9/16	5 0 4*-3	21'-3	503-2+102	7/16 18*-2	7/16 262	-4 13/16-5 0 3-6	22'-3 9/16	5 @ 4"-6	22*-6	5 8 4"-6	22'-6			5 8 3-0 +18 3-5 7/18	18"-5 7/18	202-0 5/8-201-3+	22-6 0/16	5.4.4	00	do	đo	'		304"-0+103"-4 3/16	<u> </u>
		•2 0 3	- 3 9/10	23-3 9/18	4 0 4 - 3+104 - 3 5/	8 21 - 3 5/8	503-2+101-5	9/16 17*-3	9/16 102	*-3 9/16 + 6 #3*-8	23°-3 9/18	4 04'-6+1 04'-6 5/8	22*-6 5/8	5 8 4°-6 4 84°-6+1 84°-6 5/8	22"-6 5/8	404-0+2-0 11/10	20 -0 11	5 4 2-0 + 10 2-6 5/8	17'-6 5/8	205-0-0-328	25 -0 9/10	3 8 4 - 5	22*-6	504'-6	22"-6	!		204'-8+104'-2 3/8	- i -
													· · · · ·	L		2 -5 3/8	₩+ Z'-5 3/	0 0 7 - 0 - 20 2 - 0 3/8	1, -0 0/0	****2 1/18+141*-8	4-1 1/8	4 84"-5+1 84"-4 3/8	22"-4 3/8	4 0 4"-6+104"-4 3/8	22"-4 3/8	'	1 -	204"-0+103"-7 5/8	11-

											-										-	_					·			·
1 RDE	S 1	\$ 2		54	,	1	SHEAR CON	NECTOR S	PACING							ТО	POFW	VEB PL	ATE F	FVATI	ONS AT	***								
-		10 - 01 101 0			+	50	\$ 7	58	59	S 10	\$ 11	S 12	5 13	5 14	\$ 15	1	11	111	1 11							LOCKING	AI	<del>,</del>	1	ië
- <del>-</del>		18 0 9"-13'-6	12 • 1'-0=12'-0	11 0 1'-6=16'-	6 1501 -0-15-	-0 25"-8 3/8	108'-6 1/16	29'-10 13/16	13 e 1°-0=13°-0	841'-3-10"-	2041"-6=30"-0	0 10 0 1'-3-12'-8	15 # 1'-0=15'-0	20 + 9*-15*-0	3"	0.000	5.042			· · ·	"		a	<u>•</u>	c d		/	1		<u> </u>
34	6*	do	da	do	do	25-7 1/8	108*-4 7/16	29"-11 15/16	do		1901 -6=28-0		40	20 0 0 -13 -0			-		8. 394	1				3/8 1°-2					3°-8 15/18	
a c	8*	do	đo	do	do	25'-6	108*-3	30"-1 3/16	13 0 1'-0-13'-0		1801 -8-27-0	<b></b>	40	do	6"						7.573				3/4 1°-7 1/1					
50	5"	do	do	do	do	do	do	30"-4 11/18			1701-6-25-4		40	độ	đ#	3.097	5.241	5.600	6. 638	6. 820	7.714	- T	0 0-	5/10 1*-2	15/16 1'-7 3/8	2"-2 15/1	2°-7 11/16	Z°-11 11/16	3-7 1/4	3-8 5/8 (
۲ E	s*	do	do	do	do			29'-8 1/8					do	do	3•	4.135	5, 379	5. 739	6.779	7.062	7.850	-	0 0'-	3/8 0	to 1'-7 7/1	2"-3	2-7 3/4	2"-11 11/16	3*-7 1/4	3"-8 9/16 1
F	6"	do	do	40					14 0 1"-0=14"-0		1601"-8-24"-(		do	do	6*	4.217	5. 462	5.823	6.865	7.149	7.932		0	10 0	10 1'-7 7/1	2"-3 1/16				
G	A"	10	40	10			00	29'-11 9/18	14 0 1"-0=14"-0	do	1501 -6-22-0	θ do	do	do	6"	4.260	5, 605	5.867	6, 911	7. 198	7.073					2"-3 1/16				
H	 &"	18 6 9"=13"-6	12 - 11 - 101 -	ao	do	do	do	29'-9	13 0 1"-0=13"-0		1501"-8=22"-6		do	do	67						7.895		0 0'-							
-	6.0		12 0 1'-0=12'-0				108*-3	30'-0 7/16	13 a 1*-0=19*-0	801'-3-10'-	1401"-6-21"-(	0 10 0 1'-3=12'-6	15 e 1'-0=15'-0	20 0 9"=15"-0	67				6.734			<u> </u>			to 1'-7 1/2				3'-7 3/16	
_Ľ		20 0 9"=15'-0	12 0 1'-0=12'-0	10 0 1'-6=15'-	0 1501'-0-15	-0 25'-6	108*-3	27"-8 9/16	13 a 1°-0=13°-0	8al'-3=10°-0	1401"-8-21"-0	0 10 0 1"-3=12"-6	11 0 1'-0-11'-0	20 4 9"=15"-0					_		<u> </u>		0 0'-	<b>9/16</b> a		2'-3 3/10				
2		do	đo	do	do	do	do	27*-11	13 0 1"-0=13"-0		1301"-6-15"-4								6. 691			-	0 0'-	1/2 0	to 1°-711/	6 2°-3 5/16	2-8 1/18	2°-11 3/4	3"-7 1/2	3-8 3/8 1
<u>م</u>	6"	do	do	do	do	do	do	28"-1 1/2	14 # 1'-0=14"-0		1201-5-18-0		ao	ao	5"	4.106	5. 351	5.718	6. 781	7.052	7.801	-	0 0'-	3/8 6	to 1°-7°5/8	2"-3 5/16	2"-8 1/8	2 -11 13/10	3"-7 1/8	3°-8 3'3 J
	6"	do	do	do	do	do	do	28'-4					do	do	<i>6</i> "	4.173	5. 418	5.786	6.851	7.123	7.865	-	0	to d	do 1"-7 5/8	2"-3 5/16	2-8 1/8	2°-11 7/8	3'-7 1/18	3"-8 5/16 1
K I	£ <b>*</b>	do	đo	do	do	do		28"-6 7/16	40	<u>αο</u>	11al"-6=16"-4		do	do	6"	4.080	5. 325	5. 694	6.761	7.034	7.769	-	0	to a	to 1°-7 5/8	2"-3 3/8	2'-8 3/16	2"-11 15/16	3*-7	3-8 1/4 1
3 //	5"	do	do	10	40		108'-3		14 0 1'-0=14'-0		1001'-6=15'-(	0 do	do	do	8*						7.633			m	19-7.11/	6 2"-3 3/8	2	27_0	3*-7	3°-8 1/4 H
0	6"	20 # 9"=15"-0	12 0 1-0-12-0	10 . 11 . 151	0 15011 0 10	0		28"-2 15/16	13 0 1'-0=13"-0		10a1*-6=15*-4		do	do	6*						7.467		0 0	2/0 7-7	15/16 1°-7 5/8				3"-6 15/16	
			12 • I'-0=12'-0	10 0 1 -0=150	1381-0=15	-4 258 3/8	108"-5 1/2 *	28"-3 7/8 ×	18 • 1*-0=18*-0	801'-3=10'-	901'-6=13'-6	10 . 1'-3=12"-8	11 • 1 -0+11 -0	20 0 9"-15"-0	8*											1				
										•						3. 095	4.070	3, 236	0. 367	5. 580	7.301	6.123	0 0	13/18 1-3	3/8 1*-8 1/4	2-6 1/16	21 3/16	5-0 1/4	-3"-7 7/16	5-0 518 0

NOTES:

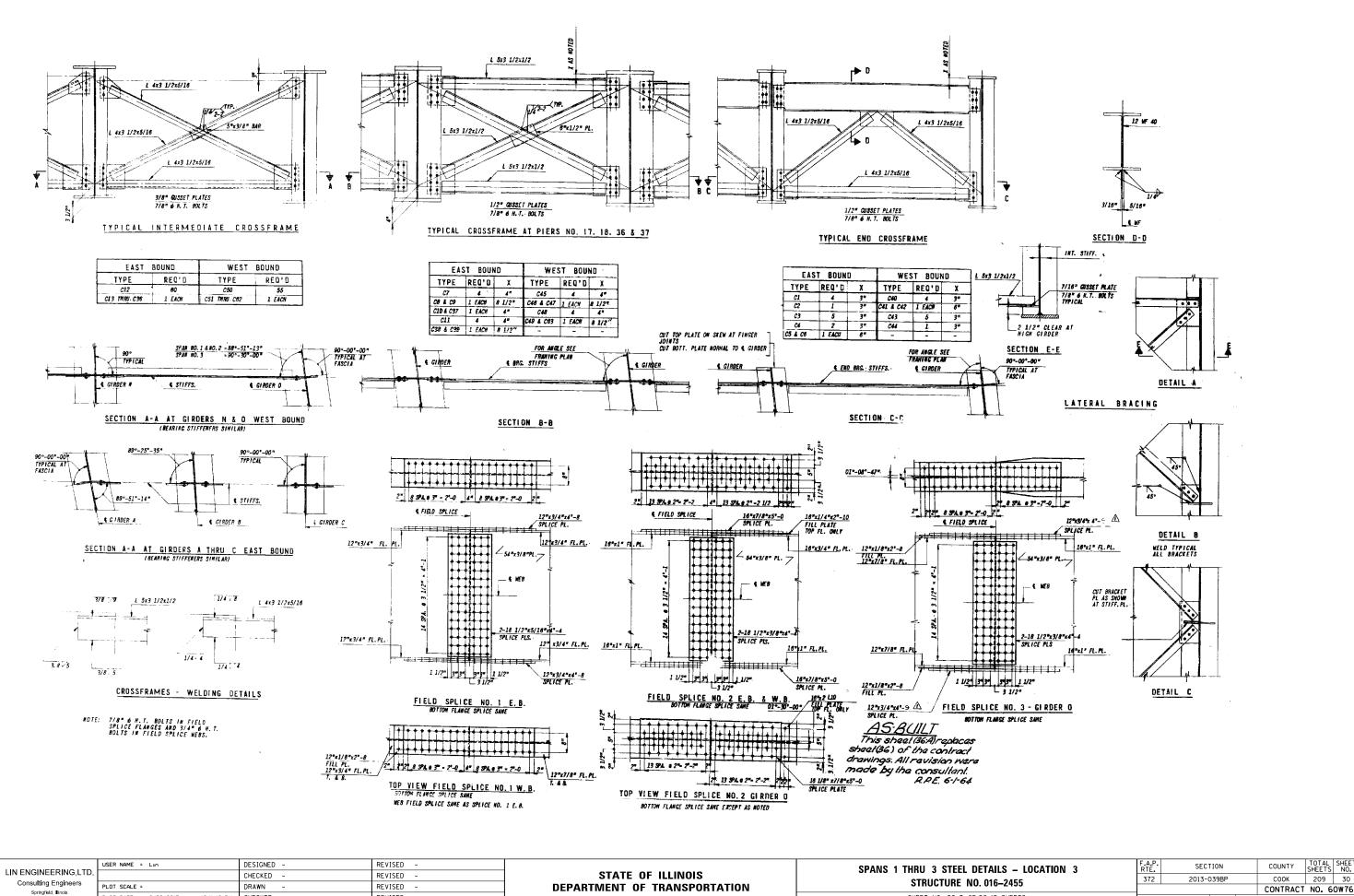
NOTES: * INDICATES THRU LENGTH OF GIRDER O. * DOES NOT APPLY TO TOP FLANGE GIRDERS I THRU O. * * ADD 090.00 TO ALL ELEVATIONS. * * PROVIDE ONE EXTHA STIFFENER 5"x5/:8" EACH GIRDER N. & O. FOR CROSSFRAME C57.

<u>AS</u><u>BUILT</u> This sheel (35A) replaces sheet (35) of the contract dravings: All revisions are made / by the consultants: R.P.E. 6-1-64

	USER NAME = Lin	DESIGNED -	REVISED -		SPANS 1 THRU 3 GIRDER DATA – LOCATION 3	F.A.P.	SECTION	COUNTY	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	СООК	209 29
Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2455				T NO. 60W76
Springheid, minois	PLOT DATE = 3/22/2017 12:11:35 PM	CHECKED -	REVISED -		SHEET NO. SC-6 OF SC-15 SHEETS		ILLINOIS FED.	AID PROJECT	

FILE NAM

FILEAS



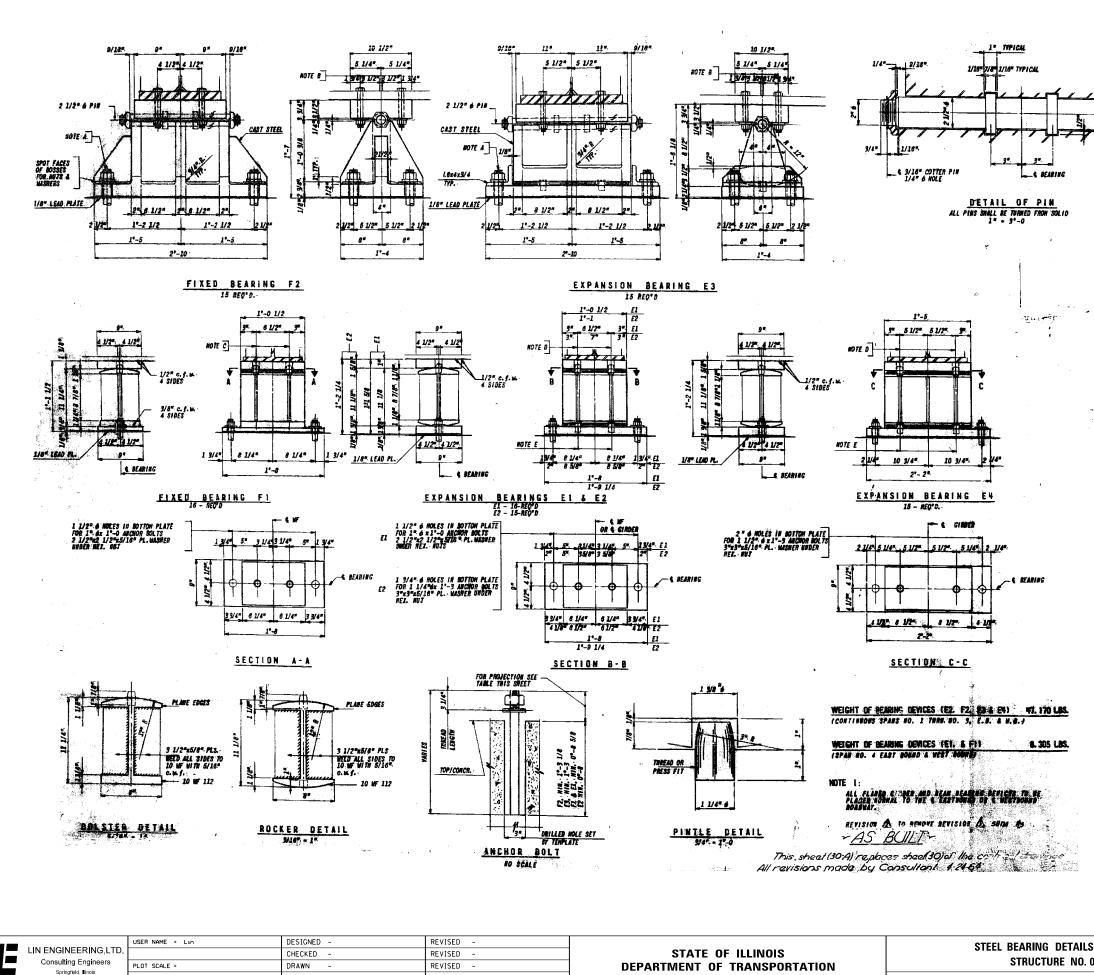
PLOT DATE = 3/22/2017

12:11:43 PM CHECKED -

REVISED

SHEET NO. SC-7 OF S

ETAILS – LOCATION 3	F.A.P. RTE.	SECTION		COUNTY	SHEETS	SHEE NO.
. 016–2455	372	2013-039BP		СООК	209	30
				CONTRACT	NO. 6	0₩76
SC-15 SHEETS		ILLINOIS	FED. AI	D PROJECT		



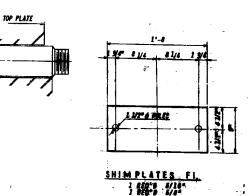
REVISED

PLOT DATE = 3/22/2017

12:11:50 PM CHECKED -

Springfield, Illinois

SHEET NO. SC-8 OF S



		1					•			Test
		Alina i	Satur	<u></u>		t. Az atzas	<b>і</b> . 287 —	• ئىر ئەللەر ئە	्र सः द्वार्थिय	ġ,
	ANCROR.	011	11	026	11.0	1	110	1		a and a second
		أمهدا	1	1			1	1	8 <b>0</b> - 1	
2	PIER 10. 10	ø	31/2	\$12	3 1/2	3 1/2	312	E.	4	5 12
1.10	PIER NO. 17	<b>F</b> Z	5 38	5 34	6 <b>9</b> 8	8 97	3 10	s #	1 90	5 91
ě.	PIER 10. 18	E	5 1/2	5.17	5 1/2	\$ 1/2	1 12	÷		5 kr
5	PIER 80. 10 *	E4	3 1/2	3 1/2	9 UR	5.117	3 1/2	1	374	
£Å.	PIER 80. 18 **	F1	2 94	2 14	2 80	2 94	2 54	5 30	water a	1
	ABUTHENT	a	3 3/8	3 37	3 99			00	9.0	Ū.
		THE	1	J					1	1
_	PIER 10. 35	22	3 1/2	3 1/2	3 1/2	9 VZ	5 82	9.00	÷17	
0.8.8.0	PIER 10. 30	12	5 91	5 98	3 91	5 38	1 57	1.99	6.99	18 7
10	PIER 10. 37	B	\$ 1/2	5 1/2	8.112	6.1/2	5 17	5.47	1.12	1
	PIER 10. 38 *	24	9 1/2	3 1/2	\$ 102	1 10	917	3		-
53	PIER 10. 30 **	n	2 34	2 94	2 96	2 94	2 94	2 94	2.98	25
	ABUTHENT	11	3 3/8	3 90	3 34	3 34	3 30	7.00	3 90	9.91

* 3PM #0.-3

1 3/4" 6 NOLET FOR 1 3/8" 6 x1"-0 ANCHOR BILTS WITH MERADON MUTS AND 3"x3"x1/2" PLATE MIGNERS. KOTE A.

4-1" & TUBRED BOLTS WITH NEZASON WITH AND STA

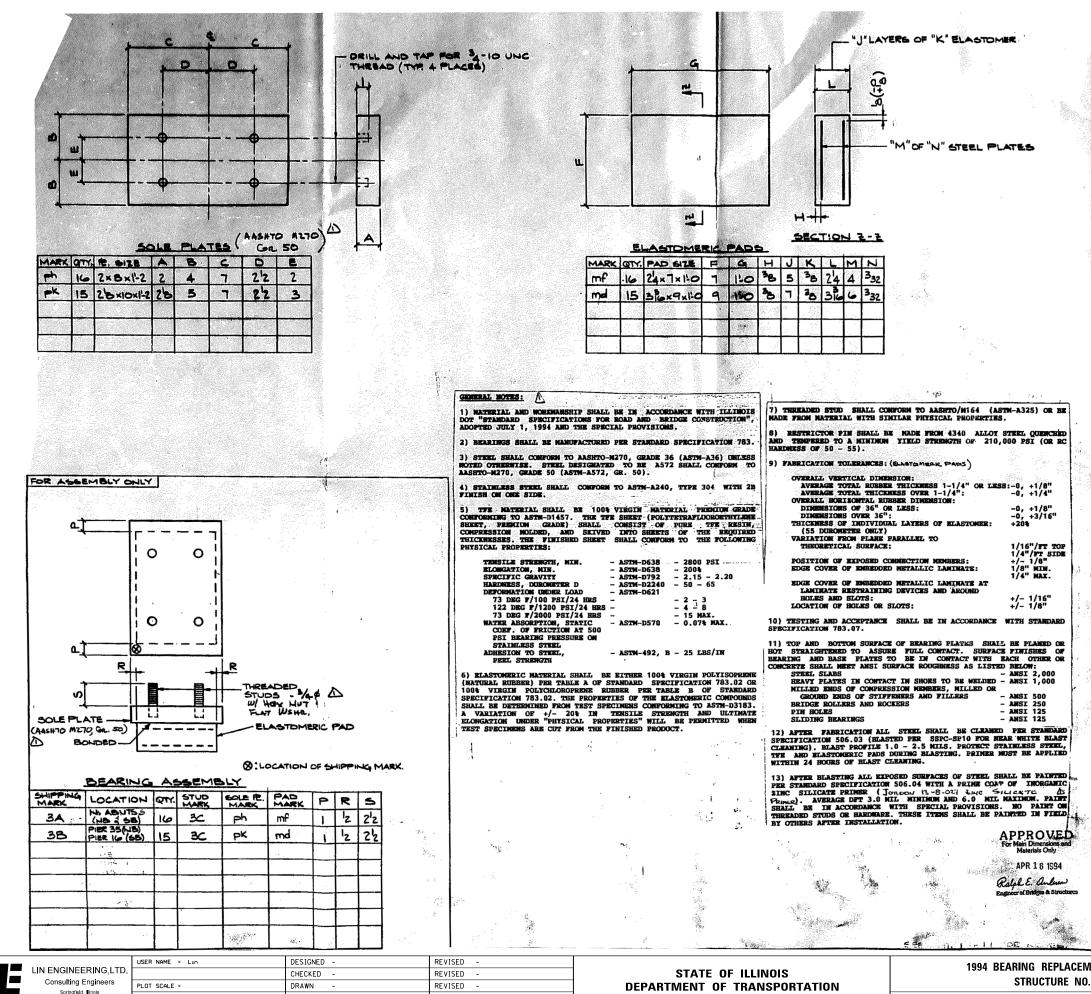
1/0" 6 HOLES IN THE PLATE FOR 1 1/4" 6 PINTLES. 1 1/4" 6 HTLES - 1 7/8" LONG IN MOLETER, TANEAR OR PRESS F17.

1 SVA" & MOLES IN THE PLATE FOR 1 1/4" & PINTLES 2 1/4" & PINTLES -1 7/8" LONG IN MOREER, THIEAD OR PHEND FIT. NOTE D

NOTE E: 1 1/4" & 1982) + 1" AEP. (1: 1993) 798, 1 1/4" & PINTER. 1 1/4" & PINTER - 1 778" 1998, (1: 1977) - MAIL, "1982) & PINTEF (1:)

nes facto of mathings with anti-met Gurono of NOTE I

LS – LOCATION 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–2455	372	2013-039BP	СООК	209	31
. 010-2455			CONTRACT	NO. 6	0W76
SC-15 SHEETS		ILLINOIS FED. AI	D PROJECT		



REVISED REVISED

LOT SCALE =

PLOT DATE = 3/22/2017 12:11:57 PM CHECKED -

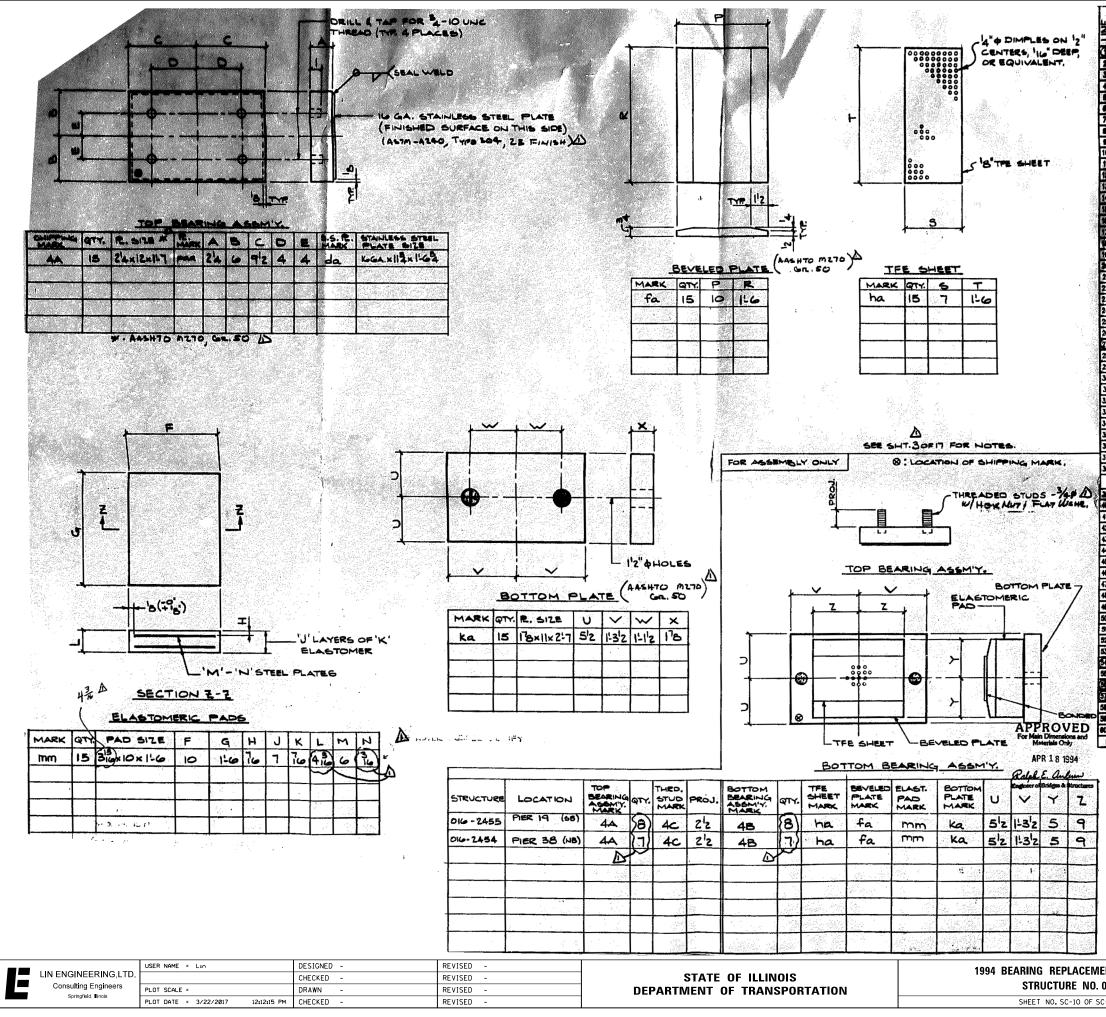
Springfield, Illinois

**DEPARTMENT OF TRANSPORTATION** 

SHEET NO. SC-9 OF S

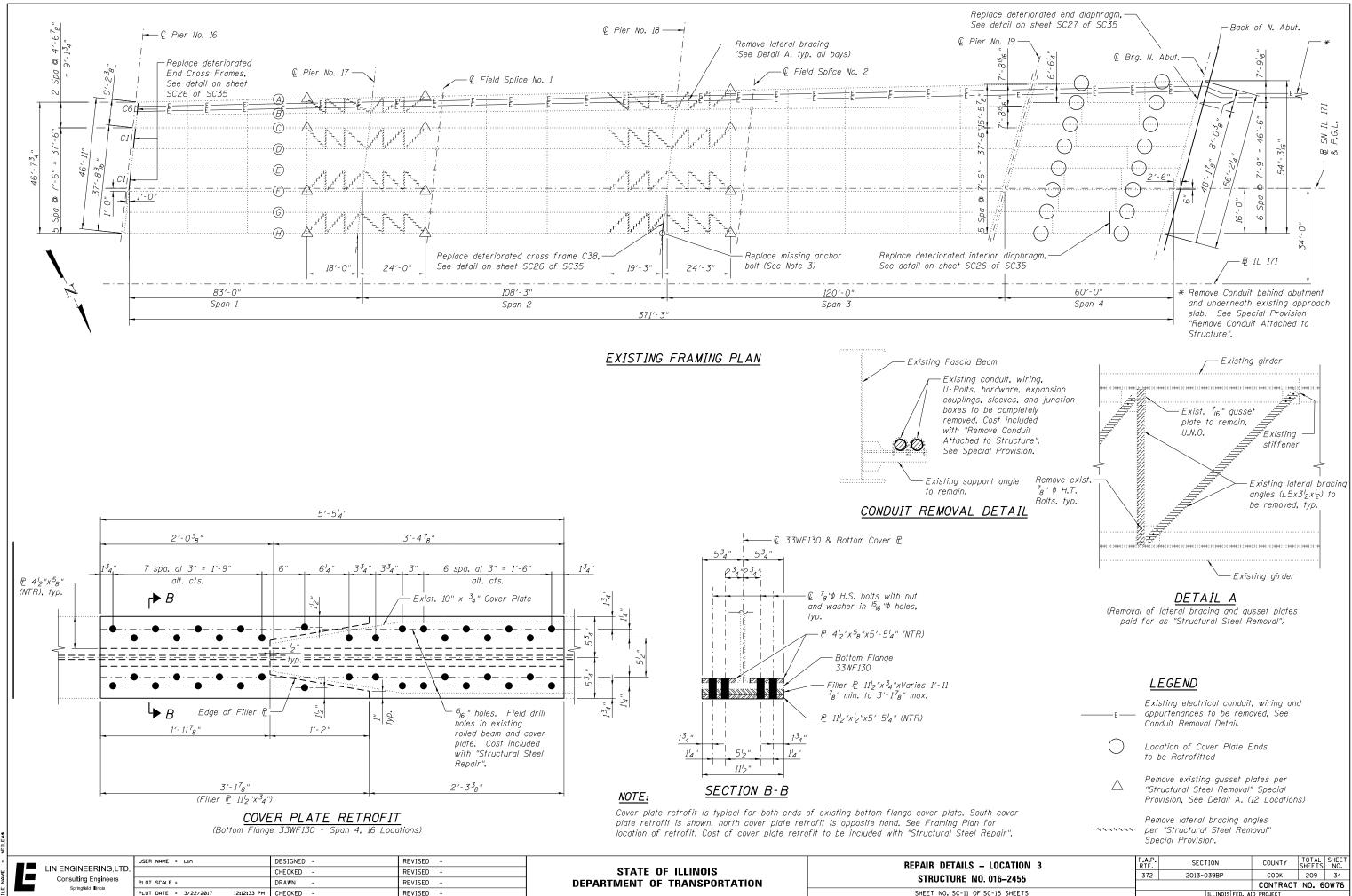
		•,	1			
	DESCRIPTION	LENOTH	МК	REMARKS	WOHT.	
	BEARING ASSMY	- <u>3</u>		P		
2 16	PL2 A572 × 8 LP 24 × 7	112	Ph.			
16		1:0	mf			+
6						
8 2) 15	READING Address		<u> </u>	P.	<u> </u>	1.
115	BEARING ASSMIY. PL 218 A572 × 10 LP 3816 × 9	1-2	ρK	· · ·		14
15	LP 3316 × 9	110	mel			
0 11						╋
2						
3						
5			<del> </del>			╈
18						
8						
9			<b></b>			
ю						1
21 22 23			<u> </u>			
23						
24						1
25 26						╈
27						
28						
50			f		<u> </u>	┼─
31						
12 13						
4	2					
5 110380	and the second	1944 - A.				
<b>15</b> - 2 17 - 2005						
8						
	Cook County	5.N	01	6-2454 / 016-2	455	
õ	C-91-436-90	Sta	to	Contract No. 82	123	+
1	Sector Sector		1			
2	Section 606-627	VB				-
3 <u>88</u> 4	FAU 2746/1505 (	IL 171	<b></b>			
5	- Topic and so and the					
6 <u>~</u>	STPM-7003 (115)		┣			
	2-25-94 (15B)					
8 0 11						
2	n an					
3	FIELD BOLTS	0125	20	<b>A</b>		176
6	RB 4 CONT. THEP, ROD AS	<u>ə 0-əz</u>	20	D		129
0126	HN 34 HVY. A563 DH		зD	8		124
124	FW 04 F436	÷	35	6		124
	<u>in the first and an </u>					
<u>۵</u>	ADPROVAL CHA	NCOUS			9-11/99	
KEV.	DESCRIPTION	1. at			DATE	NT,

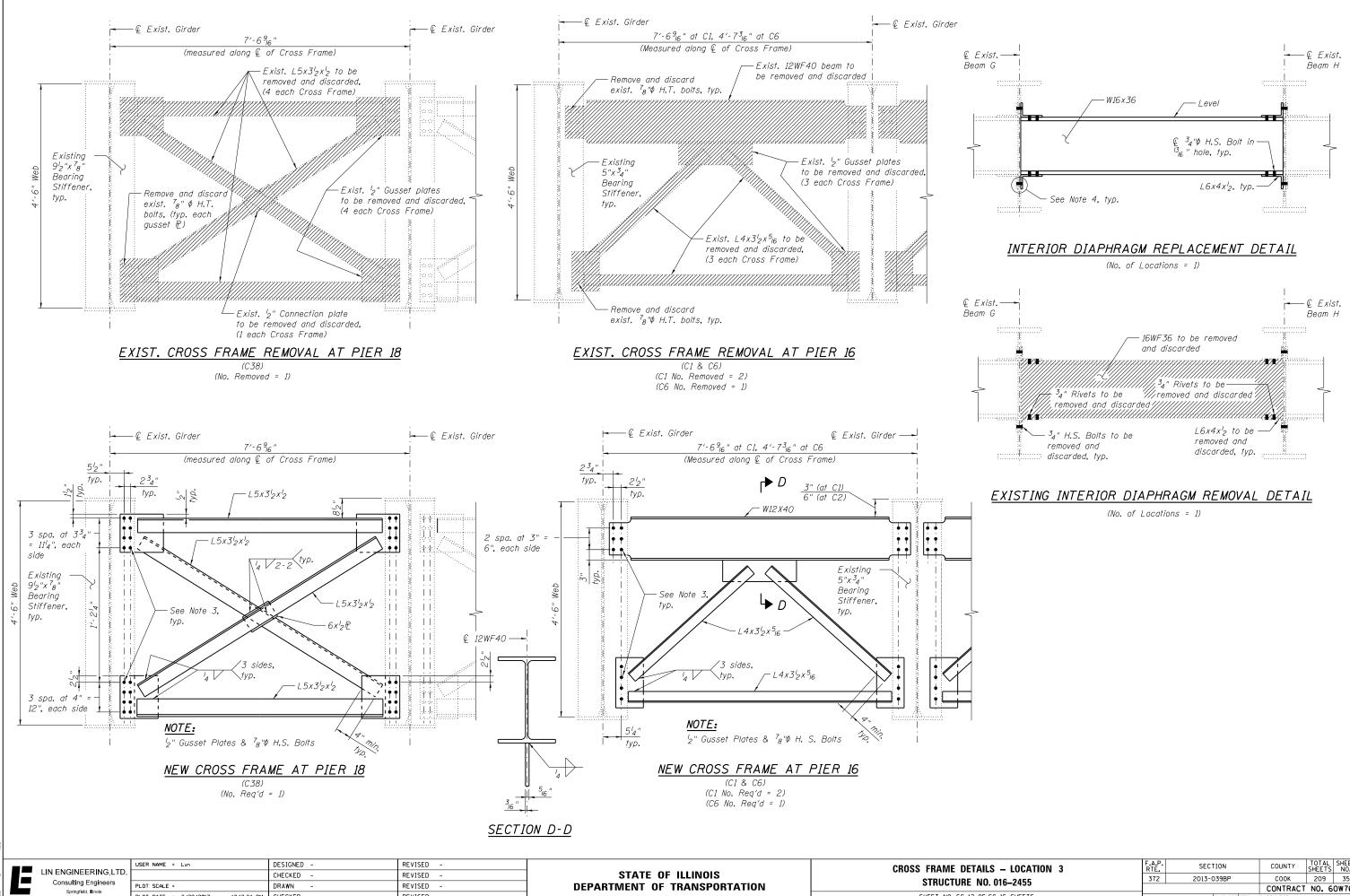
ENT – LOCATION 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016-2455	372	2013-039BP	СООК	209	32
010-2435			CONTRACT	NO. 6	0₩76
C-15 SHEETS		ILLINOIS FED. AI	D PROJECT		



			T			1
	DESCRIPTION	LENGTH	мк	REMARKS	WOHT,	
D 15	TOP BEARING ASSMY	-44		9		11
2 15	PL ZA ANTEXIZ	1-7	1000			
\$ 15	PL 1664. 6430425x114	1-6-4		SEE NOTE 4	_	
4					_	4
	· ()		<u> </u>			┿
6 7						
/ <u> </u> 						
						+
10						+
1			+			+
			<u> </u>	1		<u>+</u>
8			1		-	1
						<u> </u>
<b>B</b>						
7 8 9						
2						
0			<b> </b>			I
21					. <b> </b>	
			+			
23 24						
25			<b></b>		+	<b> </b>
28			<del> </del>		+	
015	BOTTOM BEARING ASSA	17-48	t	2	+	t
8 15	PL 34 4572 × 10	1-6	fa		1	t
8 15	PL178 A572 × 11	2-7	Ka			
15	LP 3BKX 10	1:4	mm			
15	MI BAT THE	1-6	ha	SHE NOTE 5		
2						
3						
4						
8			ļ			<u> </u>
36	5				- <b> </b>	
			<u> </u>		+	
<b>8</b>			<u> </u>			
Gel					<u> </u>	
े हरू <b>ड</b>		ц П				
	and wanted and a second s	and the second				
		the second s			7 2 3	
10 10 11	and wanted and a second s	and the second			∑ 2. 1	
10 10 11 12 13		and the second			Y 2 Y	
10 10 11 12 13 14	and wanted and a second s	and the second			2 2 3	
10 10 12 13 14 15					v 2 1	
6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		allander i Allander Allander Allander			2 2 1	
10 10 11 12 12 13 13 14 15 16 17 1		allander i Allander Allander Allander			² <u>2</u> ³	
10 6 11 12 12 13 14 15 15 16 16 17 18 18 10 10 10 10 10 10 10 10 10 10 10 10 10		allander i Allander Allander Allander				
0 0 11 2 2 3 3 4 4 5 5 6 7 8 8 6 0		allander i Allander Allander Allander			9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
0 1 2 3 4 5 6 7 8 8 9 0 1 1 2 2 3 3 4 4 5 5 6 6 7 8 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1		allander i Allander Allander Allander				
00         0           11         0           12         0           13         0           14         0           15         0           16         0           17         0           18         0           19         0           10         1           11         1		allander i Allander Allander Allander				
10 11 12 13 14 15 15 16 16 17 18 10 10 10 10 10 10 10 10 10 10	FIELD BOLTS					
200 100 111 122 123 124 125 125 126 127 127 127 127 127 127 127 127						
38         33           11         33           12         33           13         34           15         36           16         77           18         36           19         36           10         37           12         37           13         37           14         37           15         37           16         37           17         38           18         39           19         30           10         37           11         37           12         37           13         37           14         37           15         37           16         37	FIELD DOLTS RB ³ 4 CONT. THEN ROD AS2		44			
30         30           44         41           12         43           14         10           15         10           16         10           17         10           18         10           19         10           10         10           11         10           12         10           13         10           14         10           15         10           16         10           17         10           18         10           19         10           10         10           11         10           12         10           13         10           14         10           15         10           16         10	FIELD DOLTS RB ³ 4 cont, THER. BD 432		44	8		3
41 42 43 44 46 46 46 46 46 46 46 46 46 46 46 46	FIELD DOLTS RB ³ 4 CONT. THEN ROD AS2		44	8		
	FIELD DOLTS RB ³ 4 cont, THER. BD 432		44	8		3
	FIELD SOLTS RD 4 CONT. THEN BOD A22 HN ⁵ 4 HVY, A5(+3)CH FW ³ 4 F43(+		44	8		55
	FIELD DOLTS RB ³ 4 cont, THER. BD 432		44	8	4-/11 ¹⁹ 84 DATE	55

ENT – LOCATION 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2455	372	2013-039BP	СООК	209	33
010-2433			CONTRACT	NO. 6	OW76
C-15 SHEETS		ILLINOIS FED. AI	D PROJECT		





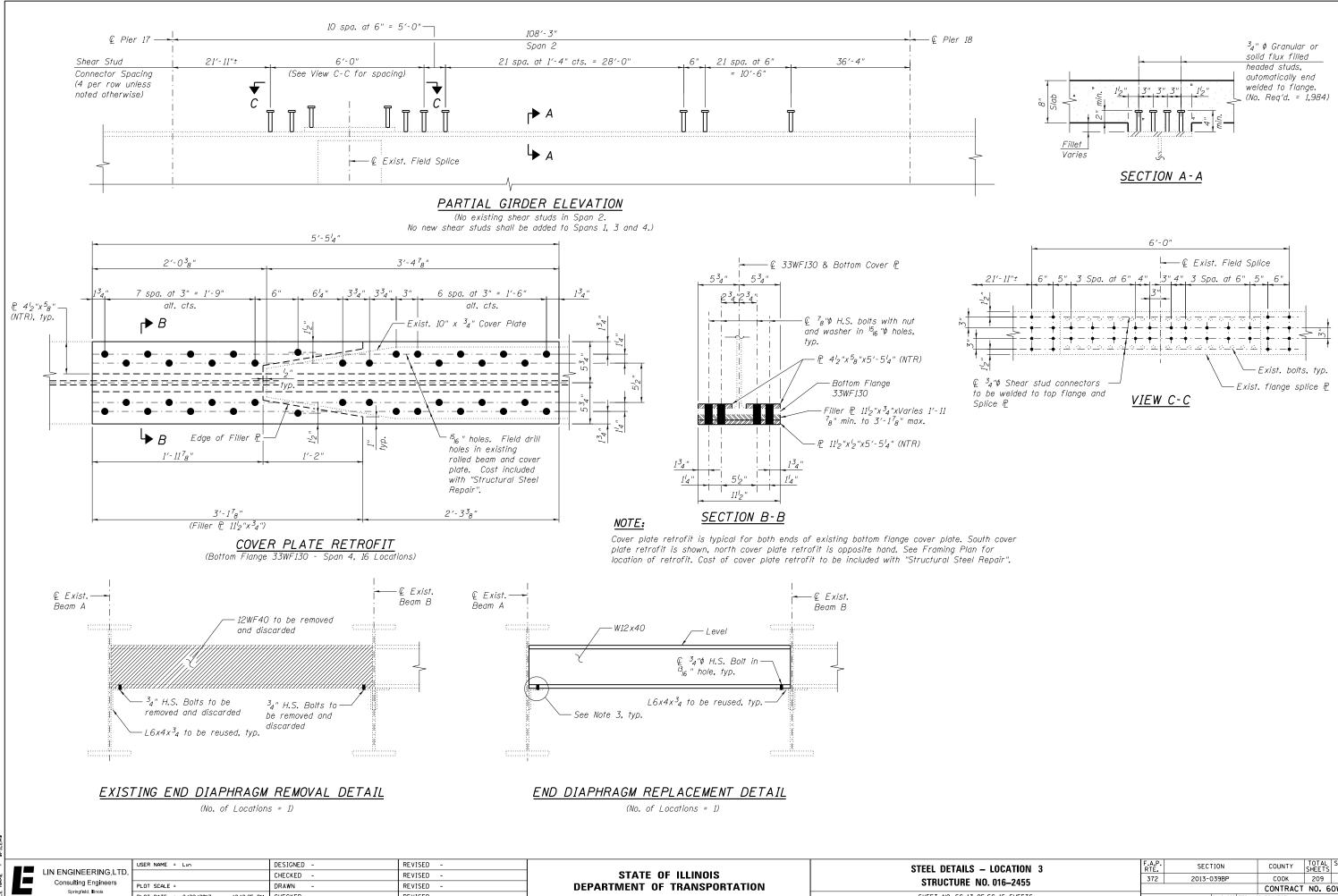
PLOT DATE = 3/22/2017

12:12:34 PM CHECKED -

REVISED ·

SHEET NO. SC-12 OF S

S - LOCATION 3 RTE. SECTION COUNTY SHEETS NO.						
	S – LOCATION 3	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
- 016–2455 372 2013-039BP COOK 209 35	016_2455	372	2013-039BP	СООК	209	35
CONTRACT NO. 60W76	. 010-2455			CONTRACT	NO. 6	0W76
SC-15 SHEETS ILLINOIS FED. AID PROJECT	SC-15 SHEETS		ILLINOIS FED. A	ID PROJECT		

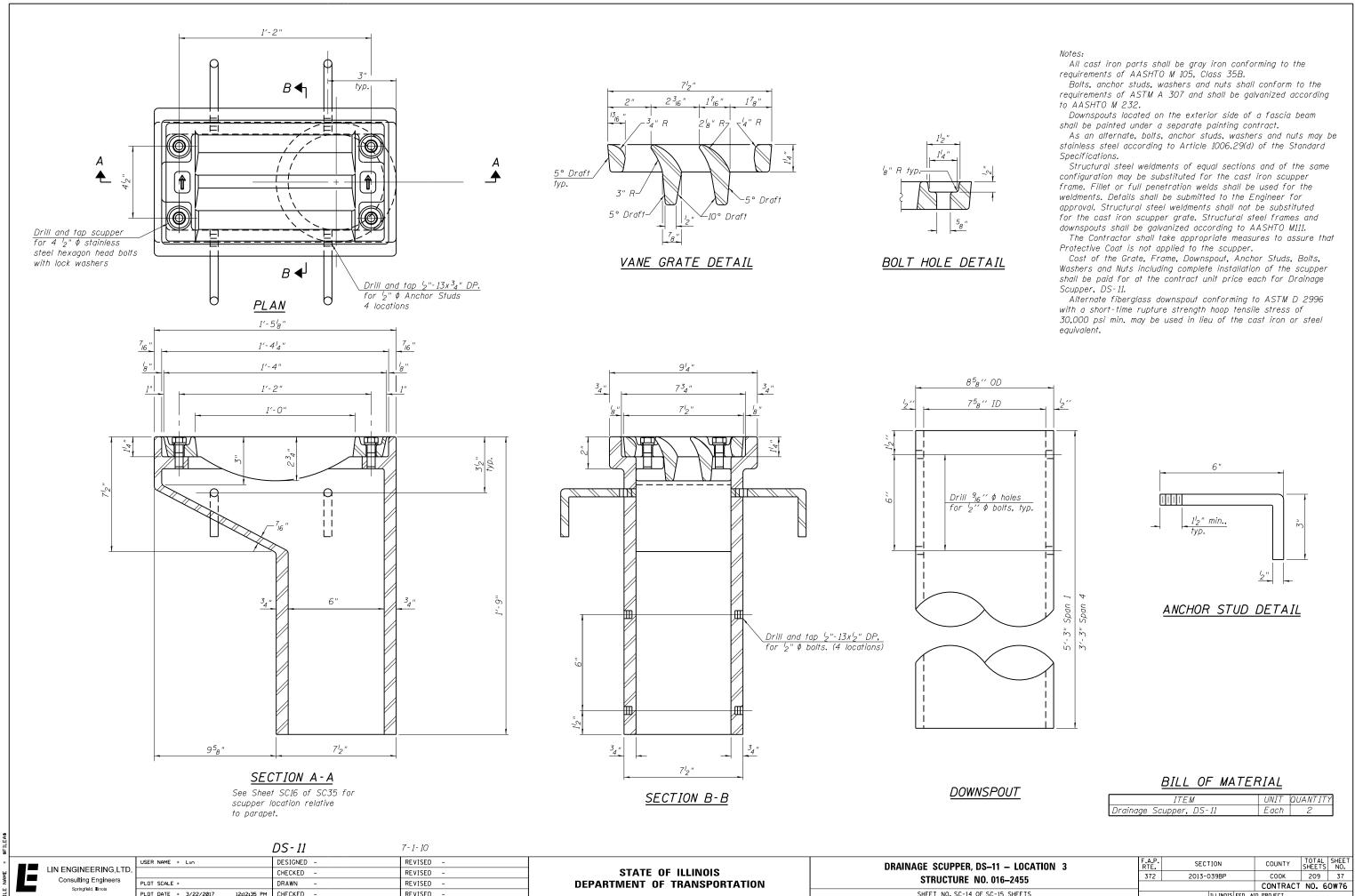


PLOT DATE = 3/22/2017

12:12:35 PM CHECKED -

REVISED -

STEEL DETAILS - LOCATION 3	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 016–2455	372	2013-039BP	СООК	209	36
			CONTRACT	NO. 6	0W76
SHEET NO. SC-13 OF SC-15 SHEETS	ILLINOIS FED. AID PROJECT				

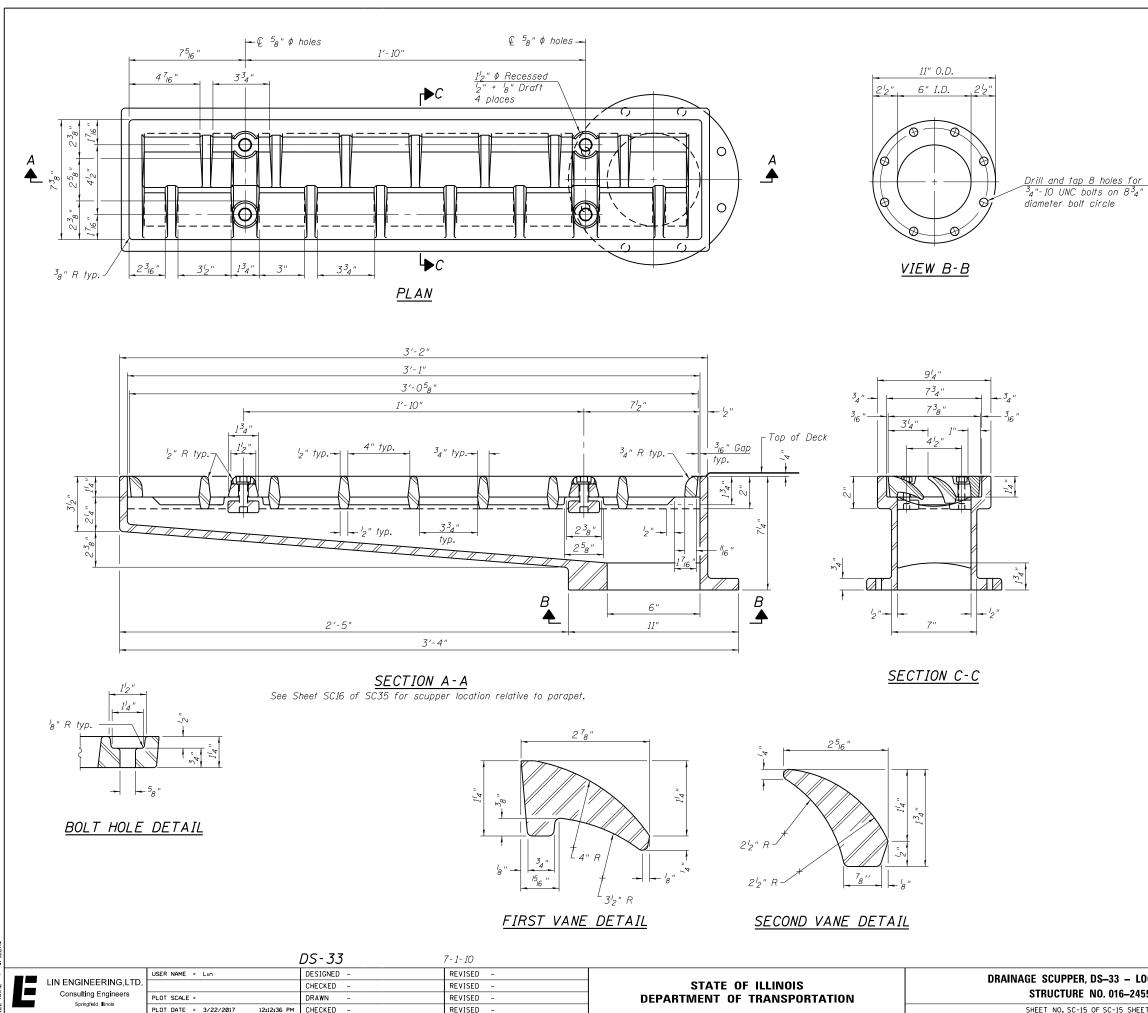


12:12:35 PM CHECKED -

REVISED -

SHEET NO. SC-14 OF SC-15 SHEETS

ILLINOIS FED. AID PROJECT



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a fascia beam shall be painted under a separate painting contract. As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard

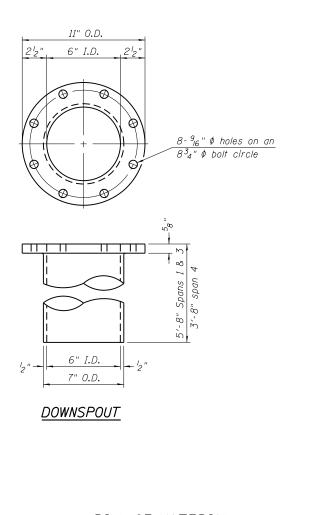
Specifications. Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the

weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper. Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts,

Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-33.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.



BILL OF MATERIAL UNIT QUANTITY ITEM Drainage Scupper, DS-33 Each

-33 – LOCATION 3	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016-2455	372	2013-039BP	СООК	209	38
010-2435			CONTRACT	NO. 6	0W76
SC-15 SHEETS		ILLINOIS FED. AI	D PROJECT		

S.N. 016-2456 Pier 38 — - Pier 36 Light Pole, — Pier 37 Pier 35 typ. E E C Concrete 8'-0"± at 22'-6" E F Pad E Rt. L's Exist. 54" Web 17'-0" - 20′-8″ min. vert. cl. min. vert. cl.  $\triangle \triangle \triangle$ Exist. Timber Piles at Appr. `∆∆∆ *33′-8*" 28'-0" ₽ Girder (Spans 1-3) min. at Rt. L's  $\begin{array}{c} \text{min.} \triangle \triangle \triangle \\ \text{at } Rt. \ L's \end{array}$ (Comp. - Positive Moment Areas Only) min.  $\Delta\Delta\Delta^{-1}$ Exist. Steel at Rt. L's - Elev. 630.02 BP Piles € & P.G.L. Exist. 33WF130 Beam Santa Fe Rd (Span 4) (Comp.-Entire Length) € BNSF RR ELEVATION Tracks € BNSF RR Tracks 7<u>+00</u> ₿ Ramp K Sto 112 - 🗗 SB IL-171 & P.G.L. Sta. 64+28.27 - Sta. 64+42.28 ¢ & P.G.L. III - Sta. 64+57.47 ₿ IL-171 63+00 Santa Fe Rd 64+00 66+00 65+00 67+00 - Sta. 63+34.51 (B IL-171) Exist. Wall to-- 3" - Sta. 64+71.72 Sta. 65+07.40 _____DS-11 Sta. 50+00.00 (@ Santa Fe Rd) <u>|i5'-0"</u> <u>Remain, typ.</u> Ŧ., 0 O Pier 38  $\Lambda \Lambda$ - $\Delta \Delta$ --30'-0" Bridge DS-11 0 5 || ¢ Pier 37 -Sta. 66+12.75 è # // 4 // 101 37 -## Sta. 65+03.75_ ## Elev. 637.54 Scupper Approach Slab Bk. NB'N. Abut. Elev. 638.56 © Pier 36 Sta. 63+95.50 Sta. 66+75.25 21 Pier 35 € Brg. NB N. Abut. — ₱ NB IL-171 <u>001</u> Elev. 638.94 Sta. 66+72.75 & P.G.L. -Elev. 636.10 <u>; 37</u> 30'-Elev. 634.84 Elev. 638.93 € Light Std.-|P.C. Sta. 115+22.06 (B Ramp J) = Sta. 66+10.50 — DS-33 Scupper DS-33 Pt. of min. Sta. 65+20.00, 58' Rt. (B IL-171) -LOCATION 4 15'-0" 116+00 NB Name Plate Scupper vert. cl. ||| 84  $\Delta\Delta -$ ×11  $\triangle \triangle -$  $\overline{\mathbf{v}}$ Location ሐ - Begin 38:1 Taper B Ramp J € Light Std. Shidr.  $I \rightarrow$ # 15'-0" Sta. 65+20.58 · · · · · · └─ Pt. of min. Sta. 64+72.00 5'-3' - Reain 13:1 Tap Offset 64.35' Rt.* End of 50:1 Taper_ vert. cl. Sta. 66+04.08 DS-33 End of 38:1 Taper -Sta. 64+80.60 Offset 66.55' Rt.* 15°03'45 <u>109'-0"</u> Offset 66.53' Rt.* 15°03'45" 6°08′00"— Offset 64.35' Rt.* 6°08′00"_ 6°08′00"_ 60'-0" 84'-0' 108'-3" 2'-6" Span 3 Span 1 Span 2 Span 4 Along 🗟 NB IL - 171 363'-9" @ Pier 35 to Bk. NB N. Abut. PLAN * Offset measured perpendicular to ₿ IL-171

****** Traffic Barrier Terminal Type 6 Std. 631031

*** Ramp width varies 12'-0" to  $18'-7'_4$ ", measured perpendicular to  $\mathbb{B}$  NB IL-171

**** Shoulder width varies 6'- $3'_4$ " to 9'- $8'_4$ ", measured perpendicular to  $\mathbb{B}$  NB IL-171

"		USER NAME = Lin	DESIGNED -	REVISED -		GENERAL PLAN & ELEVATION – LOCATION 4	F.A.P.	SECTION	COUNTY TOTAL SHEET
ЧЩ.	LIN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2454	372	2013-039BP	СООК 209 39
ž	Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		i		CONTRACT NO. 60W76
2		PLOT DATE = 3/22/2017 12:51:07 PM	CHECKED -	REVISED -		SHEET NO. SD-1 OF SD-13 SHEETS	í	ILLINOIS FED. AID	D PROJECT

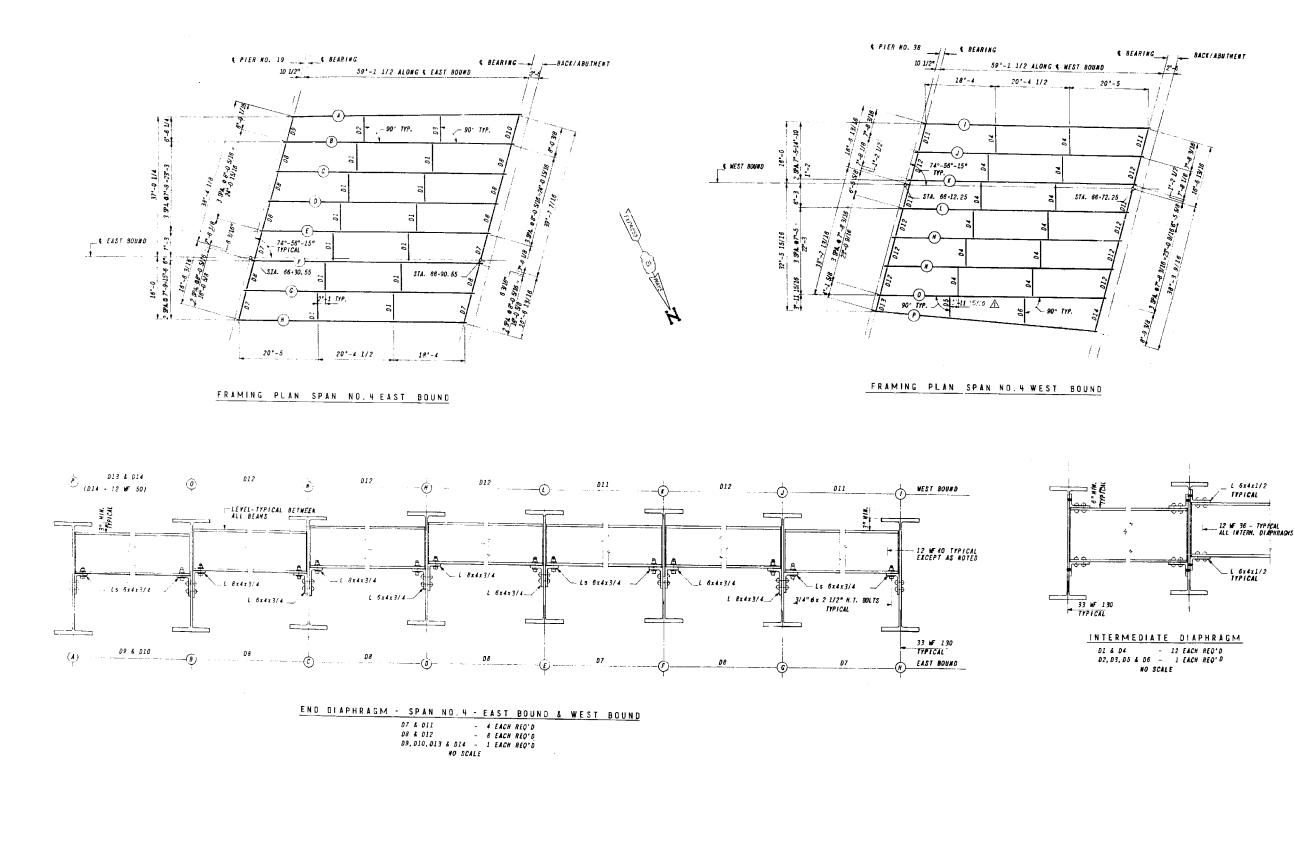
#### **GENERAL NOTES**

- 1. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
- 2. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. STRUCTURAL SHEETS TAKEN FROM EXISTING PLANS CONTAIN INFORMATION NOT PERTAINING TO THIS CONTRACT AND ARE FOR INFORMATION ONLY.
- 4. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SD-11 THRU SD-13 HAS BEEN PRIMED WITH AN INORGANIC ZINC RICH PRIMER UNDER A PREVIOUS CONTRACT. THESE STEEL SURFACES SHALL BE PRESSURE WASHED CLEAN AND POWER TOOL CLEANED (SSPC SP-3 MODIFIED) AS NECESSARY PRIOR TO THE APPLICATION OF THE INTERMEDIATE AND TOP COATS. THE INORGANIC ZINC RICH PRIMER / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR FIELD PAINTING OF THESE LOCATIONS. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 5. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SD-2 THRU SD-10 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE LOCATIONS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF THE EPOXY MASTIC / EPOXY MASTIC / ACRYLIC PAINT SYSTEM. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 6. A MINIMUM OF 4 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
- 7. THE ELASTOMERIC PADS OF THE EXISTING BEARINGS SHALL BE MASKED OFF FOR PROTECTION DURING PAINTING AND REMOVED WHEN PAINTING IS FINISHED. COST INCLUDED WITH "CLEANING AND PAINTING STEEL BRIDGE NO. 4".
- 8. IF APPLICABLE, THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.

### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 4	L. SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT	L. SUM	1
CLEANING RESIDUES NO. 4		

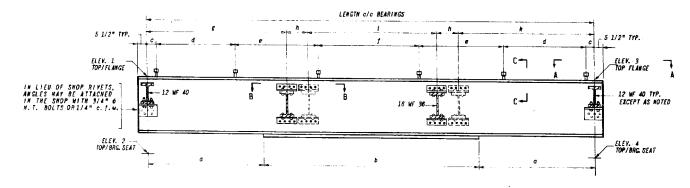




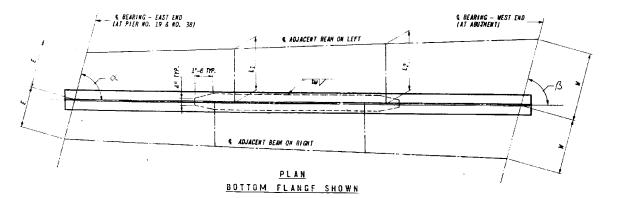
	USER NAME = Lin	DESIGNED -	REVISED -		FRAMING PLAN & DIAPHRAGI
EIN ENGINEERING,ETD.		CHECKED -	REVISED -	STATE OF ILLINOIS	
Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016
Springheid, illinois	PLOT DATE = 3/22/2017 12:13:27 PM	CHECKED -	REVISED -		SHEET NO. SD-2 OF SD-13

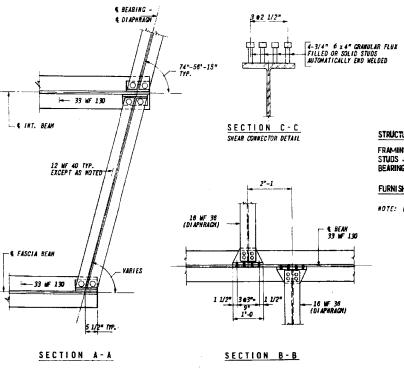
AGMS – LOCATION 4	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2454	372	2013-039BP	СООК	209	40
. 010-2454			CONTRACT	NO. 6	0W76
SD-13 SHEETS		ILLINOIS FED. AI	D PROJECT		

			EAST E	ND DATA	·		WEST E			,								BE	AM DA	A T A						·					
N	BEAM	E	ELEVA	TION	ANGLE	w	ELEVA	TION	ANGLE	BEAM	LENGTH C/C		FLANGE			SHEAR	CONNECT	OR SPACE	NG		INTERMED	ATE DI	PHRAGM	SPACING		EAST	END	WEST	END	BEAM	REMARKS
			1	2	<u>α</u>		3	4	/3	SI ZE	BEARING	SI ZE	WELD "to	a	ь	<u>с</u>	1	8	1	8	h	1	k	11	12			BRG. TYPE		DEAM	REMARKS
ł			637.567	699 251	73°-44'-51"	-	637 858	633 064	73°-44*-51"	22 UC 190	507 5 5/0	100-2/45	1/4"	16'-2 13/16	271 0		+						ļ	}i		-	-	1	-		······
	· ···-	6'-9 1/16				8"-0 3/8			74 -55*-15"		59°-1 1/2	do		10'-2 13/10	37'-0	8 13/16"	11 e1'-0 25 e6"		24 01'-6	18'-8			20-5 1/16	6"-10 15/16	7'-4	F1	-	El	-	1	
, }	°	8"-0 5/16	637.827	633.944		8'-0 5/16			do -10	do	do	do	do	do	do do	do	23 80		18 01'-0	18'-4	2'-1	18 -3 1/2	18'-4	7"-9	7'-9	do	-	do	-	8	·····
	· · · · · · · · · · · · · · · · · · ·	do		634.086	······································	do	638.296	634.402	do	do	do	do	do	do	do	do	do		do	do	do	do	do	do	40	đo	-	do	-	c	
	U	do	638.063	634.179		do	638.394	634. 500	do	do		40			l			do	do	do	do	ob	do	do		do	-	do	-	D	······································
	F	do					638.452		do	do	do	40	do	do	do do		40	do	do	do	do	do	do	do	do	do	-	do	-	E	
	G	do	6 78. 074	634.114		do	638. 365	634.471	do	do	do	40		do 11'-0 3/4	do 371-0	do	do 25 e 6"	do 10 g 9"	do	do	do	do	do	do	do	đo	5/8"	do		F	·
	H	8*-0 5/16	637.913	634.029	74-56-15"	8'-0 5/16	638.257	+		33 WF 130	59'-1 1/2	10"x3/4"	1/4"	15'-0 3/4	27'-0	do 6 3/4"	11 0 1'-0	1005	18 e 1°-0 24 e 1'-6	18"-4	2'-1	18'-3 1/2	do	7'-9	7'-9	do	5/15"	do	-	G	
						·										• ,, +			24 @ 1 -0	20 -0		20*-4 1/2	18'-4			F1	-	El	-	H	·
_																	+				+					í 					L.
	••••••••••••••••••••••••••••••••••••••							+						<u> </u>				·						}							1
	1			633.981	74 - 56' - 15	·	638.209	634.316	74 -56-15"	33 WF 130	59'-1 1/2	10"x5/8"	1/4"	16'-0 3/4	27"-0	6 3/4"	11 0 1'-0	<u> </u>	24 0 1'-6	18*-4		20'-4 1/2	20'-5								L
		7"-8 3/16	637.924	634.041	do	17-8 3/16	538.293	+	do	do	do	do	do	11'-0 3/4		do	125 . 6"	10 e 9"	18 9 1 -0	18 -4 do	1'-11 15/16		20'-5	7'-5	7*-5	<u> </u>	-	E1		1	L
į	x	7'-8 1/8	637.983	634.100		7*-8 1/8	638.357	634.463	do	do	do	do	do	do	do	do	da	do		40	1 -11 13/10			do	do		-	do		J	·
	Ĺ	7'-8 1/8	637.918	634.035	do do	1-8 1/8	638.296	634.402	do	do	do	do	do	do	do	do	do	do	do		40	do	do do	do	do			40	<u> </u>	r	t
	к	10	637.812	633.929	do do	7*-8 3/16	638.194	634.300	do	do	đo	do	do	do	do	do	do	do	do	d0	do	do do	do do	do	do	do	-	do		L	L
		7*-8 3/16	637.649	633.765	5 do	do 7'-8 3/16	638.035	634.141	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do	đo	do			do do	<u>∔</u>	<u> </u>	t
	0			633.602	74-56-15	" 0 3/0	637.875	633.982	74"-56"-15"	do	59'-1 1/2	do	do	11'-0 3/4	37"-0	6 3/4"	25 0 6"	11 0 9"	18 9 1'-0	18'-4	1'-11 15/16		18'-4	do	do		-	do	<u> </u>		i
	Р		637. 397	633. 51 4	79-21-57	"	637.693	633.799	79°-21*-57	33 WF 130	58"-1 1/8	10"x 5/8		15'-6 1/2	27"-0 1/8		11 • 1'-0		101'-7 1/8				18'-2 5/16	5'-5 15/16	7"-0 7/8	FI			<u> </u>		i
		<u> </u>	1				-							<u> </u>			1	<u> </u>	+	t —			+			L'.		+ <u>*</u>		'	I









*L								
"		USER NAME = Lin	DESIGNED -	REVISED -		SPAN 4 BEAM DATA – LOCATION 4	F.A.P. SECTION	COUNTY TOTAL SHEET
- 14 I	LIN ENGINEERING,LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS		372 2013-039BP	COOK 209 41
A	Consularing Engineers	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2454	2013 03355	CONTRACT NO. 60W76
ËĽ	Springfield, Illinois	PLOT DATE = 3/22/2017 12:13:35 PM	CHECKED -	REVISED -		SHEET NO. SD-3 OF SD-13 SHEETS	ILLINOIS FED.	AID PROJECT

SIRES

### STRUCTURAL STEEL SPANS NO. 4 EAST BOUND & WEST BOUND

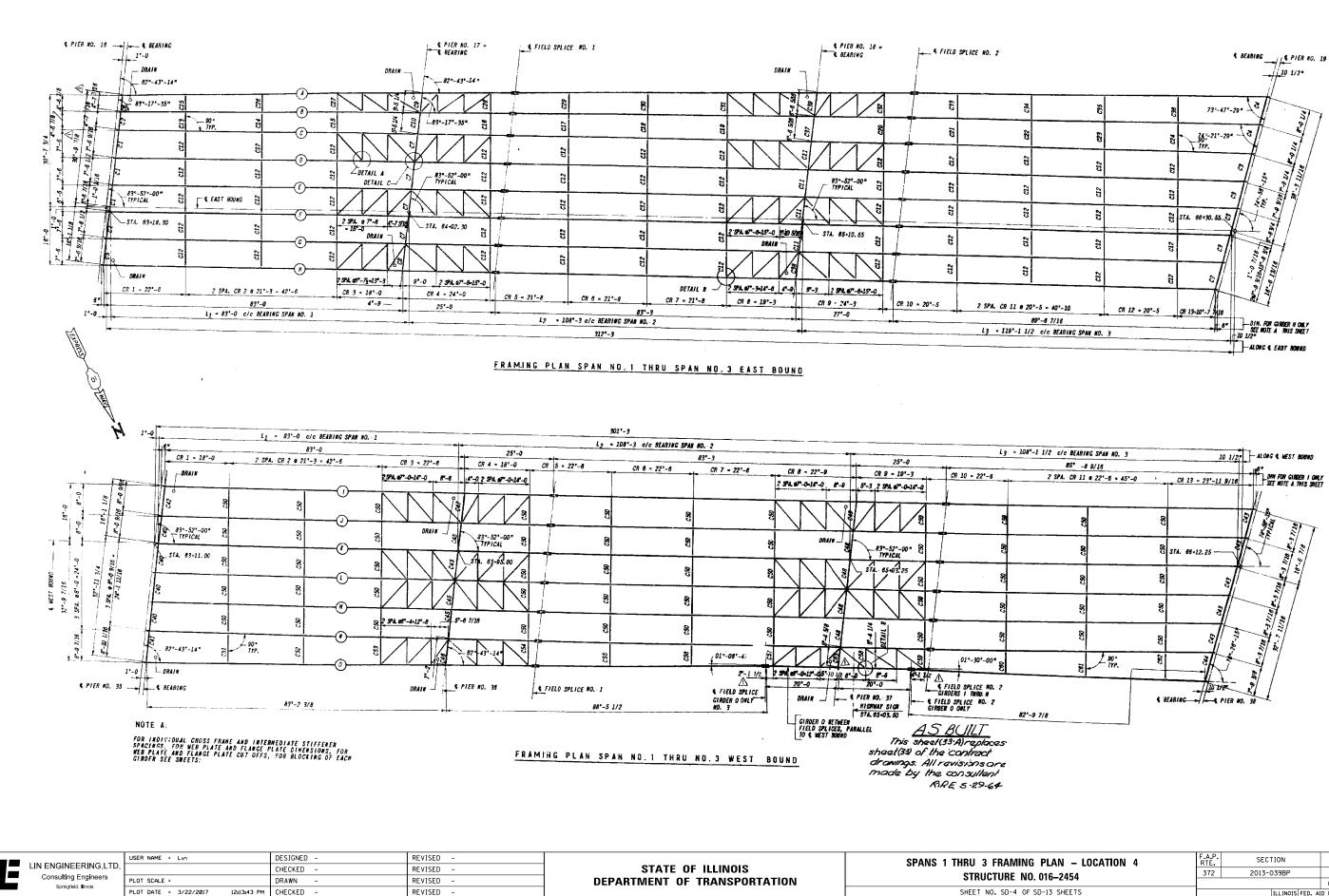
FURNISHING AND ERECTING STRUCTURAL STEEL. . . . 170, 080 LBS.

NOTE: (*) SEE SHEET: " BEARING DEVICES "...

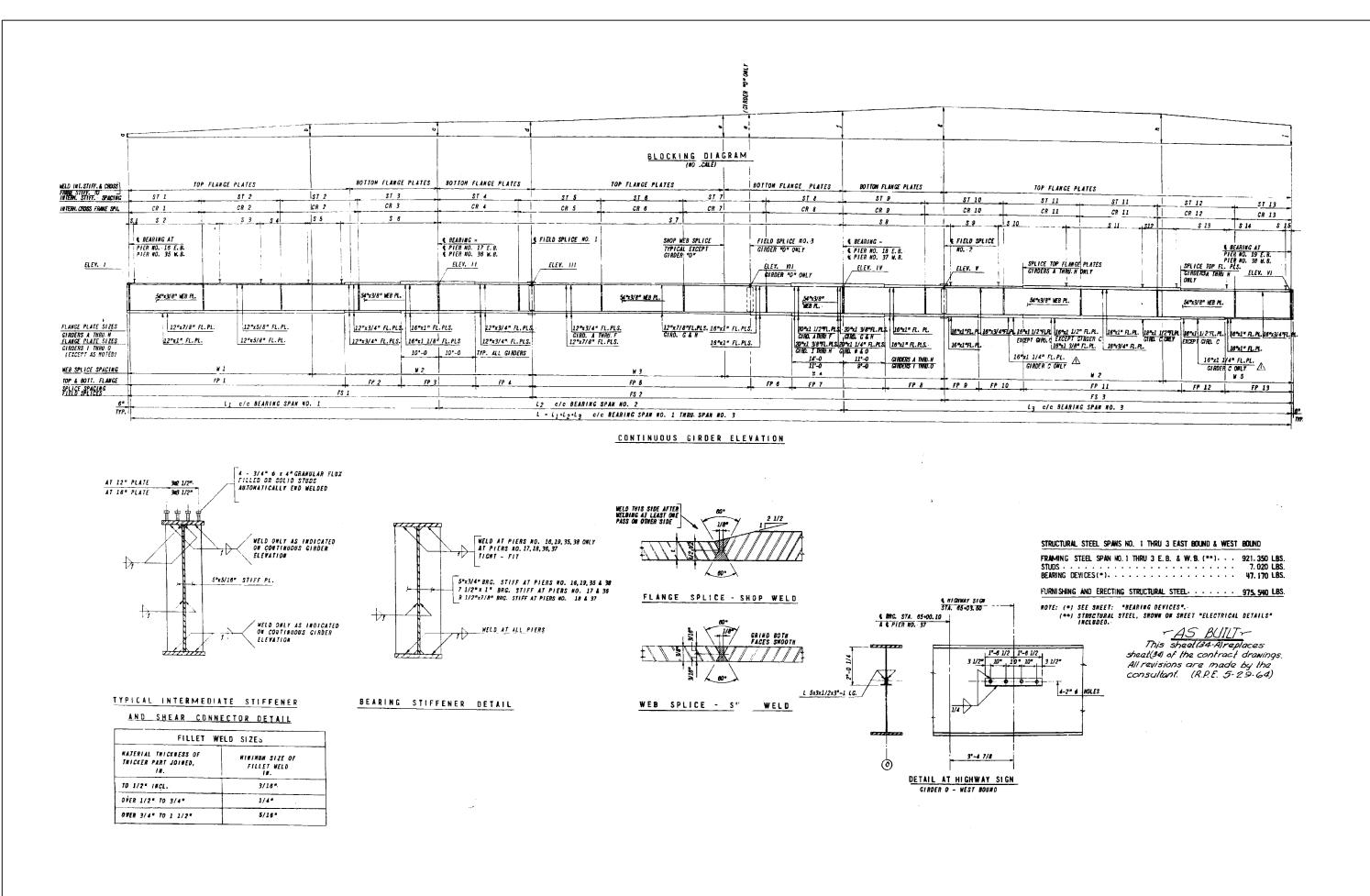
33 WF 130

~AS BUILT

This sheat (32A) replaces sheet(32) of the contract drawings: All revisions made by consultant. (R.P.E. 5-29-64)



PLAN – LOCATION 4	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2454	372	2013-039BP	СООК	209	42
. 010-2454			CONTRACT	NO. 6	0W76
SD-13 SHEETS		ILLINOIS FED. AI	D PROJECT		



	USER NAME = Lin	DESIGNED -	REVISED -		SPANS 1 THRU 3 GIRDER DETAILS – LOCATION 4	F.A.P. RTF.	SECTION	COUNTY	TOTAL	SHEET NO.
Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2454	372	2013-039BP	СООК	209	43
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	31N0C10AL NO. 010-2454			CONTRACT	NO. 60	W76
	PLOT DATE = 3/22/2017 12:13:51 PM	CHECKED -	REVISED -		SHEET NO. SD-5 OF SD-13 SHEETS		ILLINOIS FED.	AID PROJECT		

	I LENGIN U	C BEARIN	<b>i</b>		IELD SPLIC						TOP & BO	TTOM FL	ANGE PL	ATES CUT	- 0 F F									
L1	L2	L3	L=L1+L2+L3	FS 1	FS 2	FS 3	FP 1	FP 2	FP 3	FP 4	FP 5	FP 6	FP 7	FP 8	FP 9 **	FP 10 **		FP 12 **		WEB	PLATE SPL	ICES (SHOP	& FIELD S	SPLICES)
83'-2 3/8	108'-6 1/18	125'-4 13/16	317*-1 1/4	108'-9 1/16	110'-8 1/8	98"-10 1/16	58"-8 3/8	15"-0	20"-0	15'-0 11/16	58"-5 3/8	11'-0	25'-0	16'-0 3/4	9*-0	12'-0	FP 11 **		FP 13 **		W 2	# 3	# 4	₩ 5
83'-1 1/8	108'-4 7/16	123'-11 15/16	315*-5 1/2	108*-7 7/16	110'-4 1/2	97"-5 9/16	58'-7 1/8	do	do	15"-0 5/16	58'-4 1/8	do	do	16*-0 3/8		120	47'-4 1/16	12*-0	18°-6	49"-9 1/10	59°-0	51-6 1/8	59'-0	39'-10 1
83'-0	108'-3	122*-7 3/16	313"-10 3/16	108'-6	110'-3	96'-1 3/16	58'-6	đo	do	15'-0	58'-3	do	do	16'-0		ao	45°-11 9/16	do	do	49°-7 7/16	do	51'-4 1/2	do	38'-5 9/
đo	do	121'-4 11/16	312'-7 11/16	do	do	94'-10 11/16	do	do	do	10					do	đo	44'-7 3/16	do	do	49'-6	i do	51*-3	do	
do	do	120*-2 1/8	311*-5 1/8	do	do	93"-8 1/8	do	do	40			do	do	do	do	do	43'-4 11/16	do	do	do	do	do	do	37*-1 3.
do	do	118'-11 9/16	310'-2 9/16	do	do	92*-5 9/16	d0		40		do	do	do	do	do	ďo	42'-2 1/8	do	đo	do	do			35"-10
	40	117'-9	309'-0	do	do	91"-3	40	do	00	do	do	do	do	do	do	do	40"-11 9/16	do	do	do		do	do	34*-8 2
do							40	do	do	do	do	do	do	do	do	do	39"-9	do	do	do		do	do	33"-5 8
83'-0	108"-3	116'-6 7/16	307'-9 7/16	108°-6	110'-3	90'-0 7/16	58'-6	15*-0	20*-0	15*-0	58*-3	11'-0	25*-0	16'-0	9'-0	12*-0	38*-6 7/16	12'-0	18'-6		ao	do	đo	32"-3
83'-0	108"-3	110°-8 9/16	301'-11 9/16	108*-6	108*-3	86°-2 9/16	58"-6	15*-0	20'-0	25°-0	62"-3	10*-0	20'-0	16*-0	19'-0	-	45'-2 9/16	12 -0		49*-6	59*-0	51'-3	59"-0	31 0 7
do	đo	109'-5	300"-8	do	do	84*-11	do	do	do	đo	do	đo	do	do	do	_	43°-11		22'-0	49*-6	59"-0	51°-3	57 '-0	27"-2 9
do	đo	108'-1 1/2	299"-4 1/2	do	do	83*~7 1/2	do	do	do	do	do	do	do	do					d0	do	đo	do	do	25-1
đo	đo	106"-10	298'-1	do	do	82*-4	do	do	do	do	do	do	do	1	do		42"-7 1/2	-	do	do	do	do	đo	24"-7
đo	đo	105'-6 7/16	295*-9 7/16	do	do	81'-0 7/18	do	d0	da	do				do	do		41'-4	-	do	do	do	do	do	23'-4
83'-0	108'-3	104"-2 15/16	295'-5 15/16	108*-6	108'-3	79'-8 15/16	587-6	do		151.0	<i>d</i> 0	do	do	do	do		40°-0 7/16	-	đo	do	do	do	do	22'-0 7
83*-2 3/8	108*-5 1/2 *	102'-9 7/8 *	294'-5 3/4 *	108'-9 1/16	63'-4 13/16 +40'-0	83*-3 7/8	58"-8 3/8	15'-0	20'-0	25*-0	62'-3	10*-0	do	16'-0	19"-0	-	38"-8 15/16	-	do .	49'-6	do	51'-3	57'-0	
		1		1				130	20'-0	15'-0 11/16	63"-4 13/16	9"-0	20"-0	11'-0	24"-0	-	37*-3 7/8	· _	22*-0	49'-9 1/16	59'-0	63'-4 13/16	40'-0	20'-8 1

-		1	CR		ST 2	CR 2					KMEUI	ALE SUIFFE	NER	SPACINGS	AND IN	TERMEDIA	TE CRO	SSFRAME S	PACING	S (C/C	STIFFE	NERS)							
-							37 :		CR 3	514	CRA	ST 5	CR 5	87.6	CD 0		CR 7	ST 8	CR 8	57.9	CR 9	ST 10	CR 10	ST 11				<del></del>	
,,	4 - 5	1 04 - 3	5/8 1/6	3/8 4 0	4*-3+1 44*-3 5/8	21*-3 5/8	003-0+1	9 4 -5 5/4	23*-0 3/4	1 * 4'-0 38+4 93'-9	19'-0 3/8	2 • 4"-1 5/16+3 • 4"-6	21*-8 5/8	4 0 4"-4+1 0 4"-4 5/8	21*-8 5/8	4	+	6 e 3°-9°+ 1el 9-13/16	24'-313/10	10433/8407-9		444-6-1 021 50/10	00 5 0/10	31 11	CR 11	ST 12	CR 12	<u>ST 13</u>	CR
_		4*-6			4'-3+104'-3 5/16		1			1 8 4 -6+ 4 9 3 -9		2 04"-1 1/8+3 0 4"-6	21'-8 5/10	5 4 8 4*-4+1 84*-4 5/10	8 21"-8 5/16		+-+	5 <b>e 3-9+ 202-</b> 8 1/4	23 . 2 2/2	207-4 112-407-9	10-0	444-0-1 42-59/10	205 9/10	• • • • • - 1 + 1 • 4* - 1 9/18	20*-5 9/16	· • · · ·		5 e4'-0+1e4'-3 3/	1824-3
4	e 3*-9	103-5	5/8 18*-5	5/8	5 4 4 - 3	21'-3	5 @ 3"-9+1	a 3°-3 3/8	22"-0 3/8	20 7-5 13/164 08-9	19*-115/8	1 03"-8+4 0 4"-6	21'-8	506-4	21'-8			5 4 7 0: laft # 2/0	197 9 9/0	7 . 19 5 619.5	10 -0		20-3 1/4	64°-1+1 04°-1 1/4	20*-5 1/4			4 # 4" - 6+1 #4" - 5 15/	18 22 -5
£	e 3°-9	1 84"-3	V 16 19"-3	5/16	do	do	5 0 3-9 +1	e2°-5 11/16	21'-2 11/16	10 Z-0 5/16+5 C 3-9	20"-9 5/16	1 @ 2"-11+5 @ 3"-9	do	do		2	- 5	5 e 3-9+ 100-6 3/8	23-3 3/8	101-33/840 0 5-9	20-2 5/8	3 • 4 - 6+2 • 3' - 5 1/2	20*-5	5 6 4"-1	20'-5	11	1	4 04"-3+103"-8 9/	/16 20'-8
	e4*-0	1 e 4'-1	20"-1		do					162*-10 + 5 0 3-9	+·	4 0 4'-8+1 0 3'-8	40	40				5 . 3-9+1 . 3-8 11/10	22"-5 11/16					đo	đo	5		4 . 3'-9+103'-8 3/	_
	04"-5	+1@3"-10	11/15 20°-10	11/16	do	+				10 3°-7 11/18+5 03°-9						8		5 0 3-9+ 1 0 2-11				2 03'-5 1/2+3 04'-6	đo	do	do	3	2	3 @ 4"-3+103"-11 1/	_
	84'-1	+1 # 3"-8	5/16 21"-8	5/16	do					19 4*- 5 5/16+5 0 3*-9			<u>ao</u>	40	do			5 . 3-9+ 1 . 2-1 5/16	20°-10 5/16	103*-10 11/18+503*-9	22"-7 II/16	2 02"-9+4 0 4"-5	đo	do	0	3	<u> </u>	3 8 3'-6+144'-1 7/	_
		0 4'-6	22 -6		5 a 4'-3					20 4°-6 + 4 0 3°-9			40	do	do			503°-7 1/2+101°-11 3/10	20°-0 11/16	206-2 11/16+40 3-9	23"-5 5/16	3 04'-6+2 0 3'-5 1/2	đo	do	do				
		0 4'-6	18"-0		5 9 4'-3			_				4 0 4'-8+1 0 3'-8	21*-8	5 e 4'-4	21'-8			4 03 -7 1/2 +202 4 1/2	2 19"-3	305-1+405-9	24'-3	30 4'-8+2 0 3'-5 1/2	20'-5	5 0 4'-1	20*-5			204'-3+104'-1 11/1	-
	-		5/16 18*-10							104-0+403-5	18'-0	5 # 4'-6	22"-6	5 @ 4°-5	22*-6	1	1	403-8+208-41/2				5 • 4'-8	22*-6					203"-6+103"-7 7/1	
				·	40					20 2-5 1/84 0 3-6			do	do	do	80	*	5 . 3 -6 +1 04 -4 11/16				2 • 3'-3+4 • 4'-0		5 • 4*-6	22*-6		<u> </u>	504"-0+103"-11 9/1	_
			5/8 19-8		úo							2 # 3"-3: 4 # 4"-0	đo	do	<i>d</i> 0		3	505-6+105-638					20	do	do	-	- <u>-</u>	404°-6+103°-9 11/1	16 21'-
			5/16 20'-6		do	do	503-6+102	-5 1/16	19*-11 1/16	10F-0 15/16+5 a F-6	20'-6 15/16	2 0 3'-3+4 0 4'-0	do	do	do			5.83-6 + 142-8 1/16	201-2 1/14	100 -0 0000 0 5-0	ATT A 15/10	2 8 2 - 3+4 8 4 - 3	đù	<i>á</i> o	do	- 1	<u> </u>	444"-0+143"-7 7/8	1 28"-
			1/4 21'-5		do	do	5 @ 3 -8+1 @	1'-6 3/4	19'-0 3/4	1e3°-11 1/4 +5 e 3°-6	21"-5 1/4	5 0 4'-6	do	do	do						+	5 @ 4"-8	do	do	do	- 1	-	384"-5+184"-0 1/1	6 17 -
	04*-	+1 04"-3	9/16 22"-3	9/16	5 0 4*-3	211-3	507 7.10	04 1 7/10	107 27/14				22*-6	501-6	221.0	<b>ï</b>	- <del> </del>  -	503-6 + 10 1-9 3/4	19-3 3/4	242-1 1/8-583-6	22°-8 1/4	do	đo	do	do		-	304"-0+103"-4 3/1	16 15"-
	94'-	+2 # 3* - 3	9/16 23 - 3	9/16 4	a 4'-3+1a4'-3 5/6	21 - 3 5/8	503-2+10	-5 9/16	17'-39/16	102-3 9/16 + 6 #3-8	23-3 9/18	404'-6+104'-6 5/8	22*-8 5/8	4 - 4 - 5 - 1 - 4 - 5 - 5	22 -0	1		5 e 3°-0 +1e 3°-5 7/18 5 e 3°-0 +10 2°-6 5/8	18-5 7/16	++++++31978	23"-6 9/16	5 e 4*-6	22'-8	5 8 4"-6	22"-6	- 1	- 1	204"-6+104"-2 3/8	_
							· · · · ·						22 -0 0/8		22 -0 3/8	404-042-5 3/8	2' 5 3	5 - 3-0 + 10 2-6 5/8	17"-6 5/8	205 -0-200 -3-200 8 *****2 1/10+101*-6	20"-0+	4 04"-6+1 04"-4 3/8	22"-4 3/8	04"-6+104"-4 3/8	22"-4 3/8	-		204"-0+103"-7 5/8	-

er																															
302			· · · · · · · · · · · · · · · · · · ·				SHEAR CON	NECTOR SP	PACING							TO			ATE 5		ONS A										
0		32	53	54	\$ 5	56	57	58	59	S 10	5 11	5 12	5 13	5 14	S 15	<u> </u>			AILL	LEVAII	IUNS A				r	8L	OCKING	<u>AT</u>			
	6*	18 0 9"-13'-6	12 @ 1"-0=12"-0	11 0 1'-6=16'-	6 1501 -0-15-	0 25 -8 3/8	108'-6 1/16	29*-10 13/16	13 0 1"-0=13"-0	841'-7-10'-	2001 -6-30-4		-6 15 e 1'-0=15'-0		3.10		"		- "-	V	W		a	b	c	d	8		<u> </u>	h	1 7
5 P	6*	do	dc.	do	do	25-7 1/8	108*-4 7/16	29*-11 15/16	đo	do	1901 -6=28-4			20 8 9-13-0	,		-				7.431	-	0 0	-# 3/8	1°-2 9/16	1°-7	2"-2 1/4	2"-8 3/4	2"-10 5/8	3*-6 15/16	3"-7 1/4
a c	8"	do	do	đo	do	25"-6	108*-3		13 @ 1'-0=13'-0	do	1801 -8-27-0	40	do	do	6"						7.573		0 0	-9 3/18	1*-2 3/4	1*-7 1/18	2-2 9/16	2-7 1/4	2*-11 3/18	3"-6 3/4	3*-7 15/16
10	5*	do	do	do	do	do	10						do	đo	ð"	3.897	5.241	5.600	6.638	6. 820	7.714	-	0 0	-9 5/18	1*-2 15/10	1'-7 3/8	2"-2 15/16	2°-7 11/16	Z*-11 11/16	3-7 1/4	3-8 5/8
4 8	6 <b>"</b>	do	da	d0			40		14 0 1'-0=14'-0	do	1701 -6-25-6		do	do	3.	4.135	5, 379	5. 739	6.779	7.062	7.850	-	0 0	-9 3/8	do	1'-7 7/16	2"-1	7-7 3/4	2"-11 11/16	7-7 1/4	3°-8 8/16
F	6"	do	do			00	30	29'-8 1/8	14 0 1*-0=14*-0	đo	1601"-8-24"-(	" do	do	do	6*						7.932		0	do					2"-11 3/4		
1	A.	40	40	30	do	do	do	29'-11 9/18	14 0 1"-0=14"-0	do	1501 -6-22-0	do do	do	do	6"						7.073	4									
H	0	10 1 00 101 0	do	da	do	do	do	29"-9	13 0 1"-0=13"-0	do	1501"-8=22"-6	do do	do	do	67						7.895		0	<i>4</i> 0					2°-11/13/16		
-			12 0 1'-0=12'-0				108*-3	30'-0 7/16	13 a 1*-0=13*-0	801'-3-10'-0	1401"-6-21" (	10 9 1'-3=12'-	-6 15 e 1°-0=15°-0	20 + 9*-15*-0							7.895			-9 3/8					2"-11 7/8		
/		20 0 9"=15'-0	12 0 1'-0-12'-0	10 0 I'-6=15'-	0 1501 -0-15-	0 25'-6	108*-3	27"-8 9/16	13 a 1º-0=13º-0	8al '-7=10'-0	1401"-8-21"-(	10 0 1"-3=12"-	6 11 e 1'-0-11'-0	20 0 0 -10 -0		_					1		00	-9 9/16	do	1°-7 5/8	2 -3 3/16	2'-7 7/8	2"-11 7/8	3'-7 5/8	3-4 1/2
2 /	6"	do	đo	do	do	đo	do	27*-11	13 @ 1'-0=13'-0		1311-6-15-4			20 0 0 -10 -0					6. 691			-	0 0	•-9 1/2	do	1*-7 11/16	2°-3 5/18	2-8 1/16	2"-11 3/4	3"-7 1/2	3"-8 3/8
31	6"	do	do	do	do	do	do	28"-1 1/2					do	do	6"	4.106	5. 351	5.718	6. 781	7.052	7.801		0 0	-9 3/8	đo	1*-7 5/8	2 -3 5/16	2-8 1/8	2 -11 13/16	3"-7 1/8	3"-8 3.'3
	6"	do	do	do	do	do	do		14 e 1'-0=14"-0	20	1201*-5-18*-0		đo	d0	6"	4.173	5. 418	5.786	6.851	7.123	7.865	-	0	do	do	1"-7 5/8	2"-3 5/16	2-8 1/8	2°-11 7/8	3'-7 1/18	3"-8 5/16
S #	£"	do	do	do	do			28'-4	do	đo	11al'-6-16'-(		do	do	6"						7.769		0	do	do	1'-7 5/8	2"-3 3/8	2'-8 3/18	2"-11 15/16	3*-7	3"-8 1/4
3 "	5"	do	do	40			d0	28°-6 7/16	14 0 1'-0=14'-0	đo	1001"-6=15"-(	) do	do	do	8"						7.633									3*-7	3'-8 1/4
0	6"	20 # 9"=15"-0	12 0 11 0 121 0	00	d0	do	108"-3	28*-2 15/16	13 0 1'-0=13"-0		10a1*-6=15*-4		do	do	6*						7.467		v	00							
		20 # 3 -13 -0	12 0 1 -0=12 -0	10 0 1'-6=15'-	0 1501 -0-15 -	0 25 - 8 3/8	108"-5 1/2 *	28"-3 7/8 ×	18 # 1°-0=18°-0	801'-3=10'-(	901'-6=13'-6	10 . 1'-3-12"-	6 11 e 1'-0+11'-0	20 0 9"+15"-0	A#.							• •			1°-2 15/16				3*-0 1/16		
								· · · · · · · · · · · · · · · · · · ·						1000-10-0		3. 595	4.878	5, 256	6. 367	8. 580	7.301	6.123	0 0	-9 13/16	1"-3 3/8	1*-8 1/4	2"-6 1/16	2*-9 3/16	3'-0 1/4	-3"-7 7/16	5-8 5/8

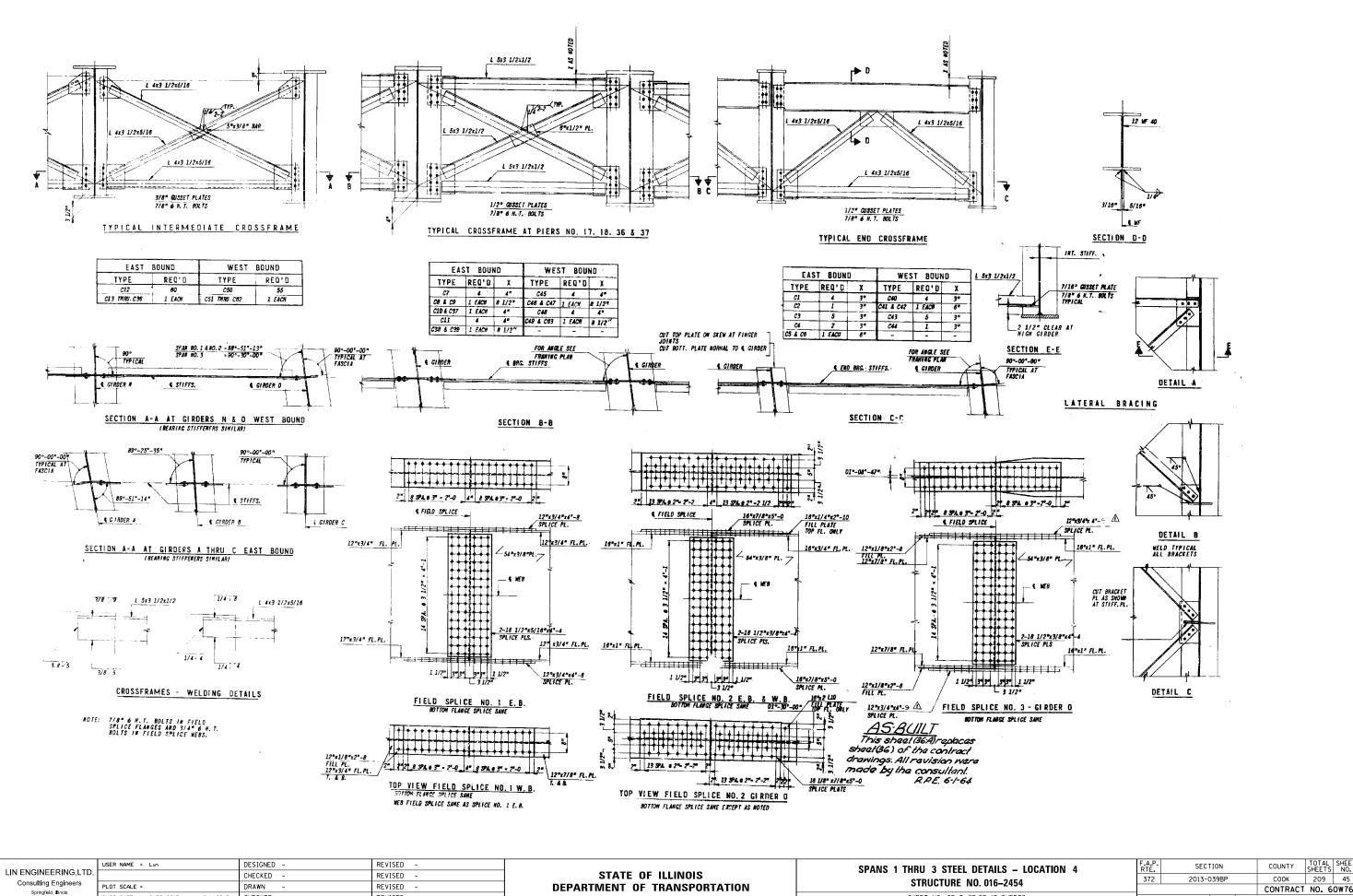
NOTES:

FILEAS

NOTES: * INDICATES THRU LENGTH OF GIRDER O. * DOES NOT APPLY TO TOP FLANGE GIRDERS I THRU O. * * ADD 090.00 TO ALL ELEVATIONS. * * PROVIDE ONE EXTHA STIFFENER 5"x5/:8" EACH GIRDER N. & O. FOR CROSSFRAME C57.

<u>AS</u><u>BUILT</u> This sheel (35A) replaces sheet (35) of the contract dravings: All revisions are made / by the consultants: R.P.E. 6-1-64

₩											
"		USER NAME = Lin	DESIGNED -	REVISED -		SPANS 1 THRU 3 GIRDER DATA – LOCATION 4	F.A.P. BTE	SECTION	COUNTY	TOTAL S	SHEET NO.
¥		CHECKED - REVISED - STATE OF ILLINOIS		372	2013-039BP	соок	209	44			
α α	Springfield, Illingis	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	T NO. 60	JW76
ΞĽ		PLOT DATE = 3/22/2017	12:13:59 PM CHECKED -	REVISED -		SHEET NO. SD-6 OF SD-13 SHEETS		ILLINOIS FED.	AID PROJECT		



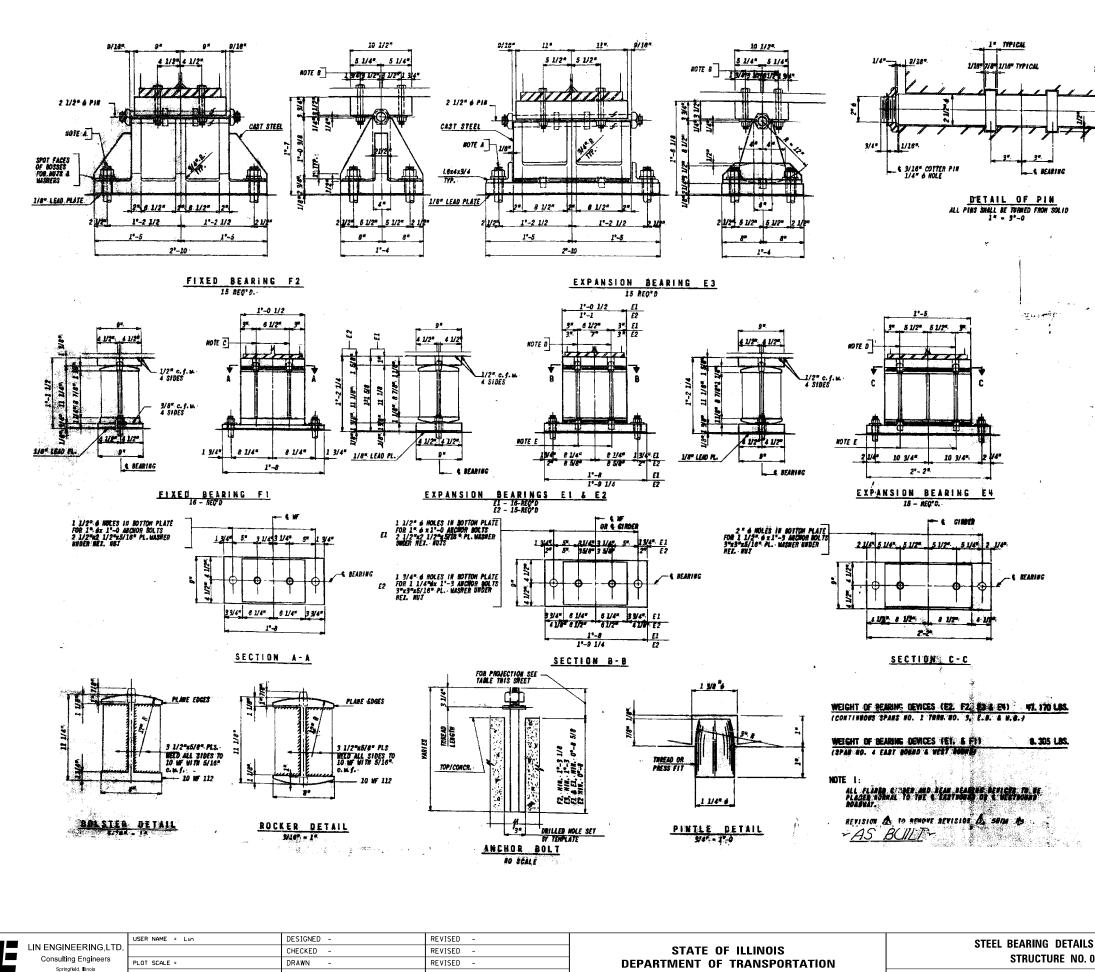
PLOT DATE = 3/22/2017

12:14:06 PM CHECKED -

REVISED

SHEET NO. SD-7 OF S

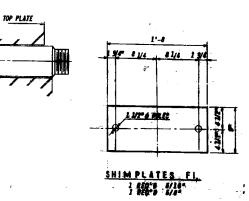
.016–2454 372 2013-039BP COOK 209 45 CONTRACT NO. 60W76	ETAILS – LOCATION 4		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CONTRACT NO. 60W76	016_2454	372	2013-039BP	СООК	209	45	
	. 010-2454			CONTRACT	NO. 6	0W76	
SD-13 SHEETS ILLINOIS FED. AID PROJECT	SD-13 SHEETS	ILLINOIS FED. AID PROJECT					



REVISED PLOT SCALE = DRAWN REVISED **DEPARTMENT OF TRANSPORTATION** REVISED -PLOT DATE = 3/22/2017 12:14:14 PM CHECKED -



Springfield, Illinois



14.4

		Alta i	วังรับ			t. Az stala	1287 - 22	يني. 1944 آن	ينهي	<u>,</u>
	A.# C #.0 #	el.	20	046	110	1	1.00	1 🚡		an a
		1.4	1	1			£	F	8 <b>0</b> - 1	
2	PIER 10. 10	ø	312	\$ 1/2	3 L/Ż	3 1/2	312	E.	4	1 12
1.10	PIER NO. 17	<b>F</b> Z	5.38	5 31	5 <b>5</b> 1	1 99	300	s #	1 90	6 91
-	PIER 00. 18	- 63	5 1/2	5.UZ	5 1/2	\$ 1/2	1 12	*	•	5 ki
5	PIER 80. 10 *	E4	3 1/2	3 1/2	\$ M	3112	3 42	1	374	
EA.	PIER 80. 18 **	11	2 34	2 34	2 30	2 94	2 94	5 30	3.6	1
	ABUTNENT	E	5 3/8	3 39	1 99			10	9	ÛĽ.
		THE	1	1		and an		I.	1	k
•	PIER NO. 35	82	3 1/2	3 1/2	3 1/2	1 12	5 872	•	÷17	
0 8.8.1	PIER 10. 30	12	5 91	5 98	3 90	5 5	8 9T	19	6.90	÷.,
0	PIER NO. 37	B	\$ 1/2	5 1/2	8.112	6 1/2	5 LA	5 47	14	
	PIER 10. 38 *	24	9 1/2	3 1/2	1.17	1 10	\$ 27	1	C. Mar	-
99 44	PIER 10. 30 **	n	2 34	2 94	2 90	2 94	2 94	2 94	2.00	25
2	ABUTHENT	E	3 3/8	3 90	3 34	3 34	3 30	7 50	3 90	9.W

. Airs

* 3PAR 80. 3

1 3/4" 6 ROLES FOR 1 SVO" 6 x1"-0 ANCHOR BOLTS WITH MERADON AND AND 3"x3"x1/2" PLATE MINNERS KOTE A.

4-1" & THERED BOLTS WITH REZARDS WERE AND STA

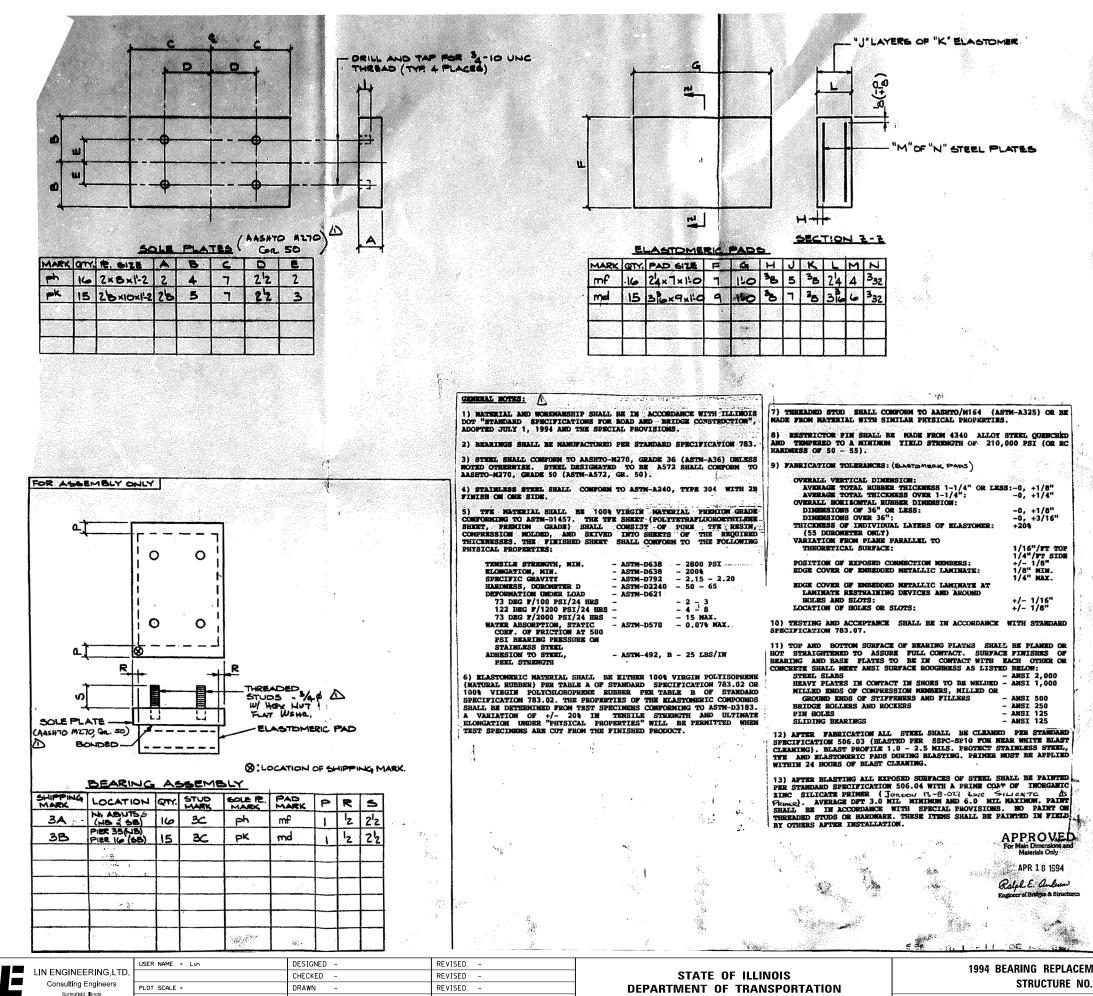
3/4" 6 NOLIS IN TOP PLATE FOR 1 1/4" 6 PINTLES. 1 1/4" 6 NTLES - 1 7/N" LONG IN MUSTER, TANÉAD OR PRESE FIT.

1 SVA* & BOLES IN THE PLATE FOR 2 LIA* & PINTLES 2 LIA* & PINTLES ** NOTE D

NOTE E 1 3/8" 6 99623 - 1" 9227 | 1 /22287 /98 | 1 /4-6 7 | 1 /4. 1 //" 6 Pivist - 1 7/8" (197 1977) (1977) (1977) (1977) (1977)

nia faita ar yearing with all with Garage of INTE:

					I		
LS – LOCATION 4	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
. 016–2454	372	2013-039BP	СООК	209	46		
. 010-2454		CONTRACT NO. 60W76					
SD-13 SHEETS	ILLINOIS FED. AID PROJECT						



SHEET NO. SD-9 OF S

Springfield, Illinois

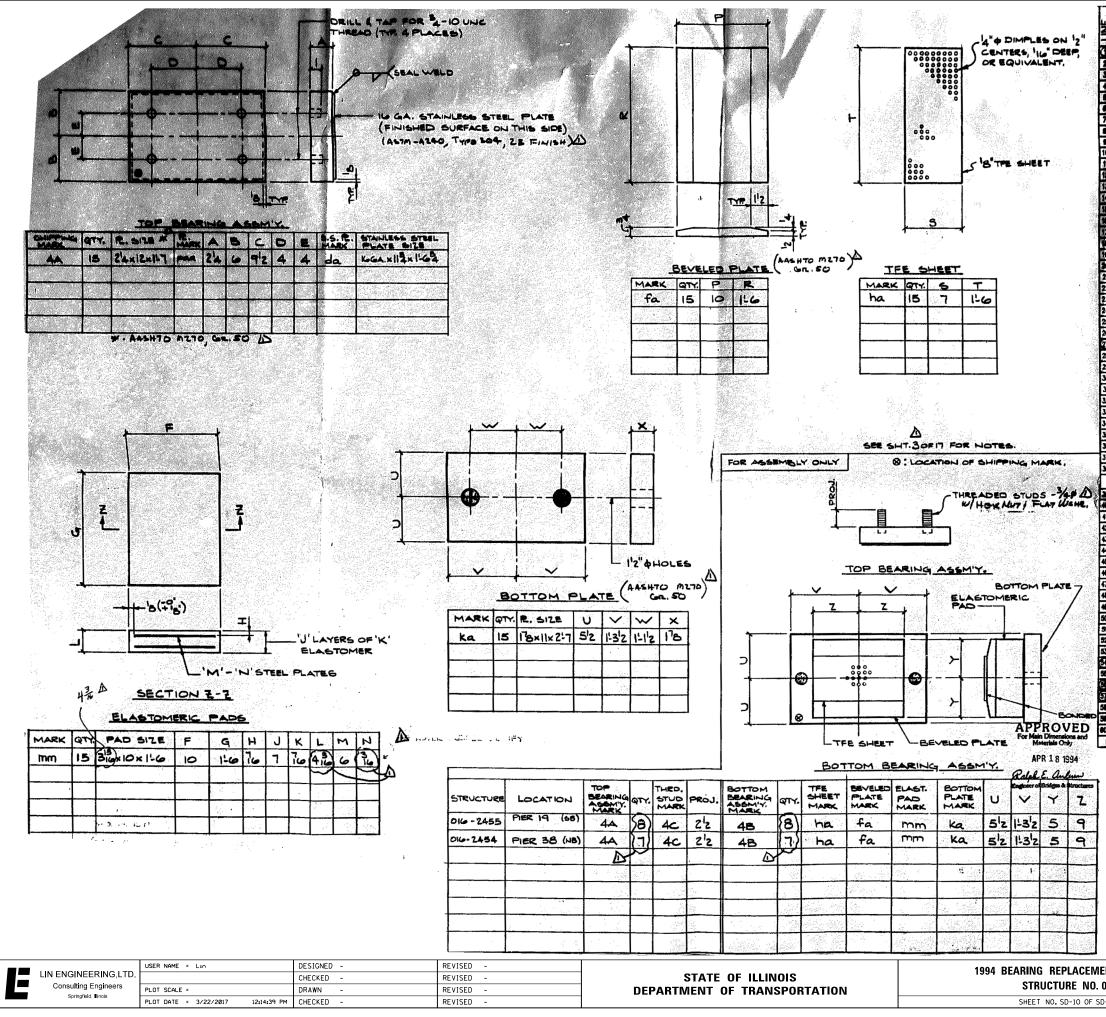
PLOT DATE = 3/22/2017

12:14:22 PM CHECKED -

REVISED

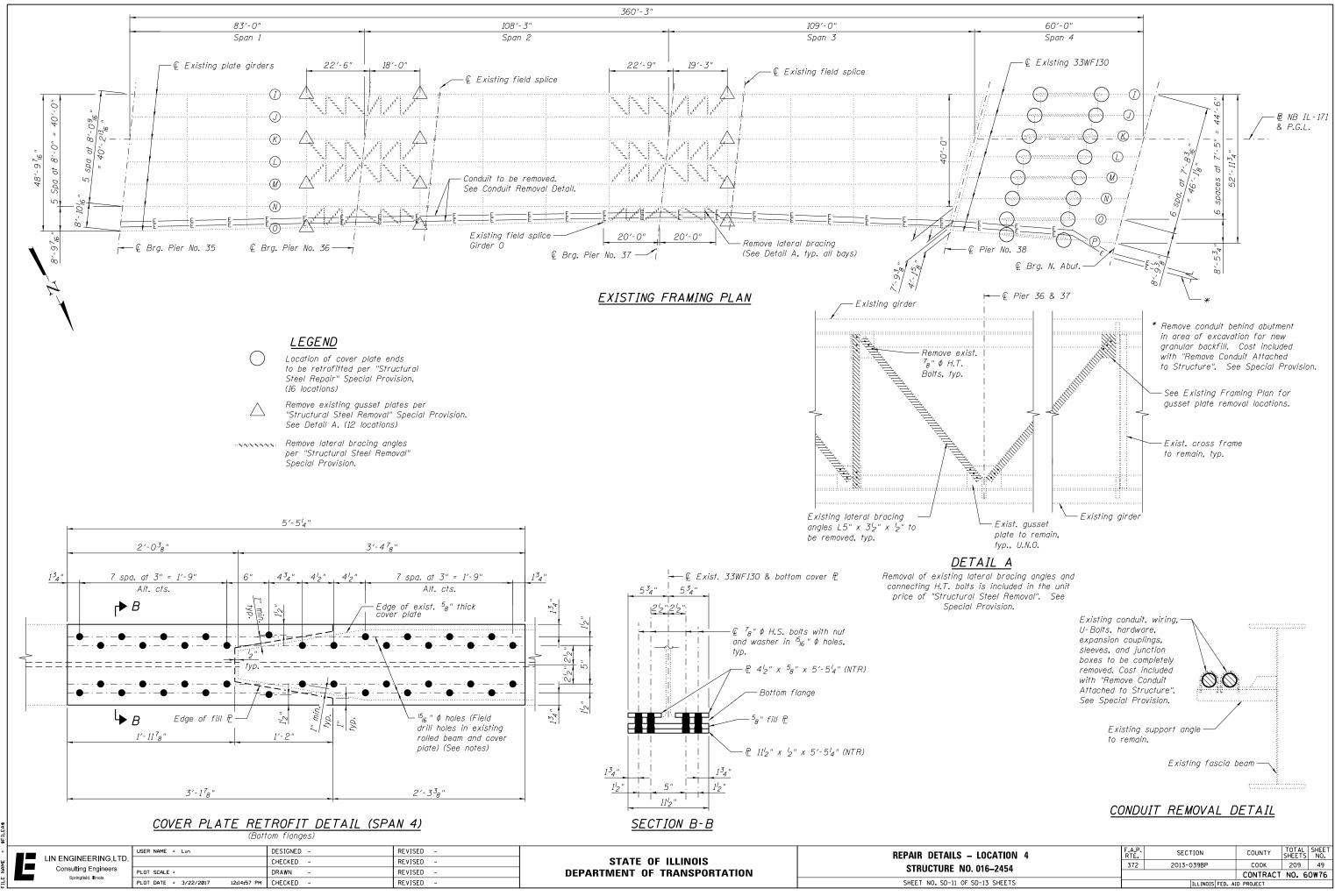
LINE			•,				
	iii).	DESCRIPTION	LENOTH	MK	REMARKS	WOHT.	
D	16	DEARING ASSM'Y PL2 AS72 × B LP 24 × 7	<u> 3</u> A		P		_
2	16	PL 2 A572 × B	11-2	eh.			
Η	16	LF (4 × 1	1:0	mf			
t		• 1893					
6				1			
D	15	BEARING A66M'Y. PL 218 A572 × 10 LP 3816 × 9	- 385		P.		11
1	15	PL 218 A572 × 10	1-2	PK			
9	15	LP 3º16 × 9	110	mel			
il 1	2					<u> </u>	
2				1-			1
3							
•							
5						ļ	
8						<b>_</b>	┢
í				<b>├</b>	<u> </u>		+
Ť				<b></b>		<del> </del>	+
ю						1	
21		· · · ·					
23							
3				<b></b>		ļ	<b>-</b>
4				<b> </b>		<u> </u>	<b></b>
5							+
7		······································		<b> </b>			1
20					·		
9							
0				ļ	ļ	<b> </b>	
밝				┟		<u> </u>	
2						<u> </u>	+
4		2				1	1
5	间的现	and the state of the					
5	4,52						
7	Sectores and the sectores of the			2.51	· · · · · · · · · · · · · · · · · · ·		╂
• <b>•</b> •		0,0,0	<u> </u>			1	J
	, in States Recentled	Cook County	<u>, , , , , , , , , , , , , , , , , , , </u>	01	6-2454 / 016-2	422	T
ò		C-91-436-90	Sta	Ho	Contract No. 82	123	1
H.							
2		Section 606-627	VB				
3	10	NAMERICA CONTRACTOR					<b></b>
\$	- 2	FAU 2746/1505	IL 171,	<u> </u>			
*	- 12 201	STPM-7003 (115)				<u> </u>	
7				<u> </u>			
-		2-25-94 (158)					
0							
9							
						<u> </u>	
2							<b> </b>
į,	35	FIELD BOLTS	5 01312	30	8		129
5	100	Nesenti – Setterge Setter 1					
5	26	HN 94 HVY. AS63 DH		ЗD	6		124
2	25	FW 34 F436		3F	8		124
1	ii.	Statler - States					
		APPROVAL CHA				9-11/99-	Ser-
π.			MC-REC				

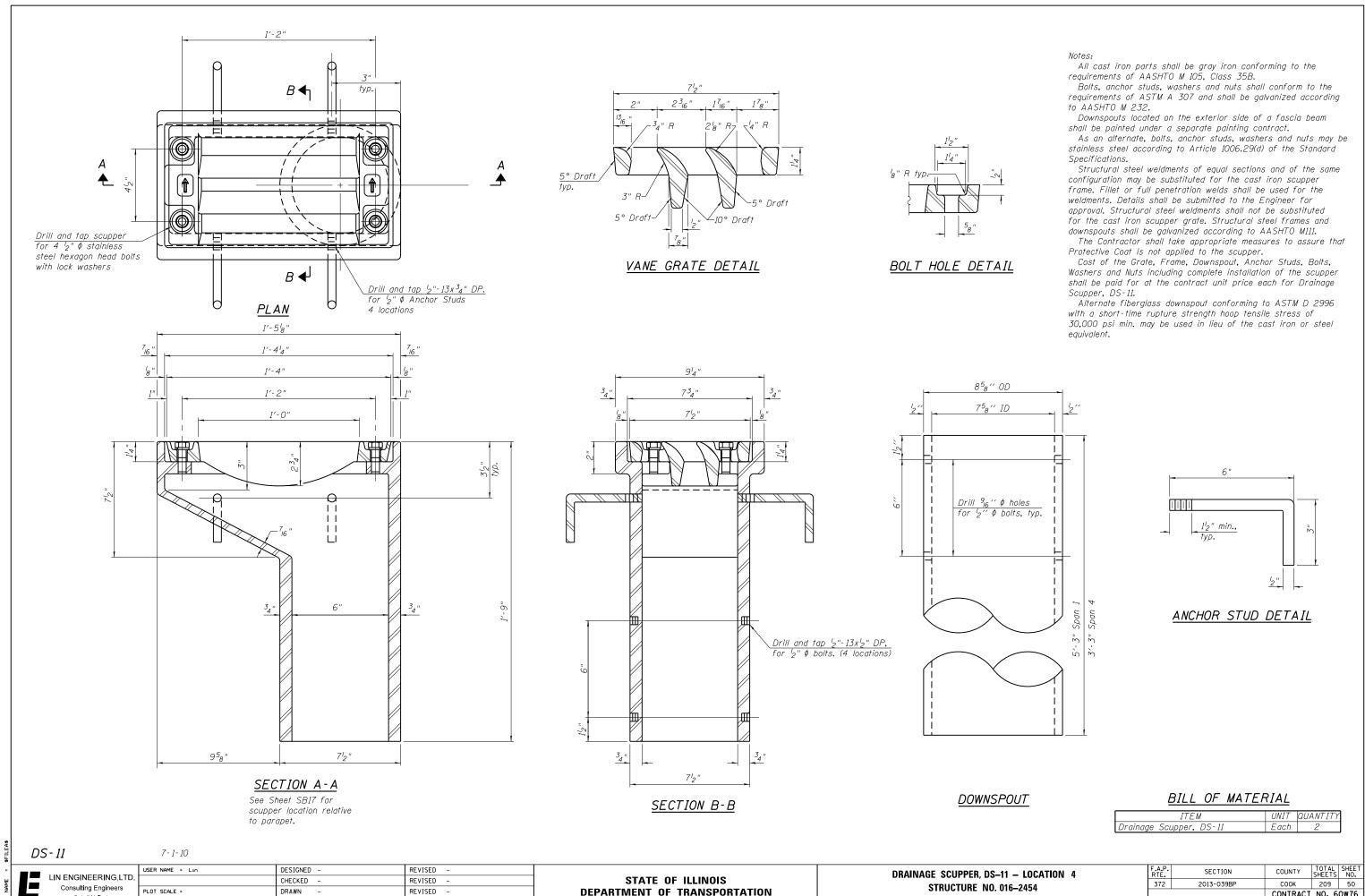
ENT – LOCATION 4	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2454	372	2013-039BP	СООК	209	47
010-2454			CONTRACT	NO. 6	0₩76
SD-13 SHEETS		ILLINOIS FED. A	ID PROJECT		



	- Arman State and a state					
					1	{
	DESCRIPTION	LENGTH	MK	REMARKS	WOHT.	
D 15	TOP BEARING ASSM1	- 44		P		+
2 15	PL 24 ASTEX12	127	Par	,		<u>†</u>
\$ 15	PL 10 GA. 4550425x114	1-6-4	da	SEE NOTE 4		
4	All and a second se				_	
			<u> </u>			┿
7			┟──┉			<u> </u>
8	and a second sec					
•						
10						<b></b>
			┨────			┢╼╍
13			<u> </u>		+	<b> </b>
18 ·						
			ļ			
<u> </u>			<b> </b>		+	
9 19						
0						
21						
23			ļ			<b></b>
24						
25			<b> </b>		+	
26						
215	BOTTOM BEARING ASSN			P.		
28 15	PL 34 A572 × 10	1-6	fa			
2015	PL178 A572 x 11 LP 3156 x 10	217	Ka			
315	MI BXT TFE	1-6	ha			<b> </b>
33						
34						
32 33 34 35 36						
37						
36 .						
134			è.			
	e Han an A	9 .				
10	<ul> <li>March Margaretter and a statistic statistic statistic statistics and statistics and statistics.</li> </ul>	and the s	4 No. 2			
41 42		int o	1847.38) 1		7 2 3	<b> </b>
3			1911 - 244 1911 - 244			
4	i de la constance de la constan La constance de la constance de	en series			1	
45	Sugar	143 A.T				
<b>46</b>	Martha.	19.1				
67		[si,				
H8 N8						
50	Bhilipping				1	i
51	a la companya da companya d					
2	and and a state of the second seco	1.00				
S	FIELD BOLTS				ļ	
	RB 4 CONT. THERE NOD ASZ	6 O'-5'2	40	<u>6</u>	+	60
	HN 34 HVY A5630H	24 G. 1	40	8	1	3
			4	8	1	5
60	FW34 F436		APT -			
の し い し い の の	FW34 F436		41-			
	FW ³ 4 F486		4			
	FW34 F456 Арргоиль Снан				4-/11/74 DATE	587 INT.

ENT – LOCATION 4	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2454	372	2013-039BP	СООК	209	48
010-2454			CONTRACT	NO. 6	0W76
D-13 SHEETS		ILLINOIS FED. A	D PROJECT		





SHEET NO. SD-12 OF SD-13 SHEETS

Springfield, Illinois

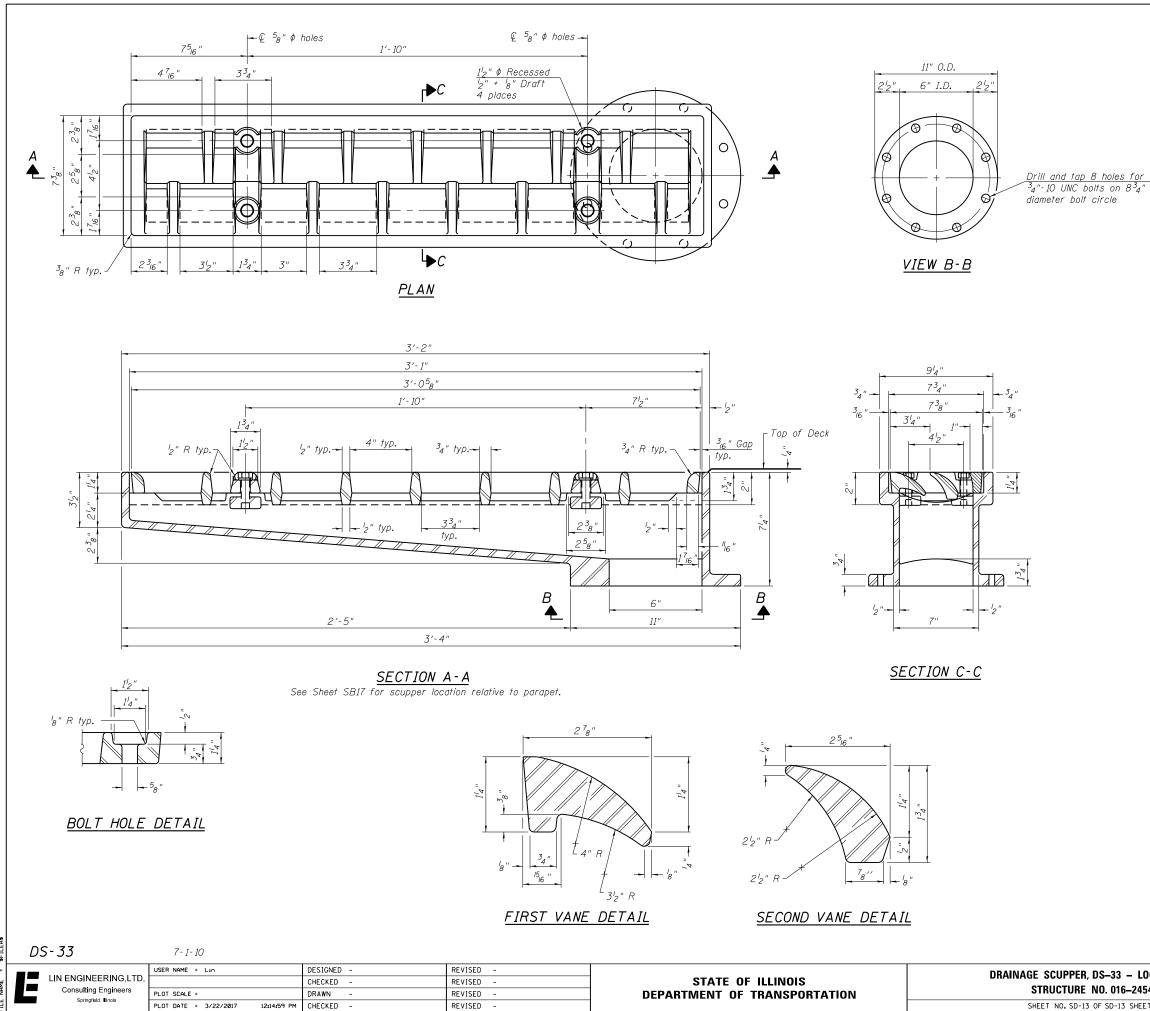
PLOT DATE = 3/22/2017

12:14:58 PM CHECKED -

REVISED -

CONTRACT NO. 60W76

ILLINOIS FED. AID PROJECT



Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a fascia beam shall be painted under a separate painting contract. As an alternate, bolts, anchor studs, washers and nuts may be

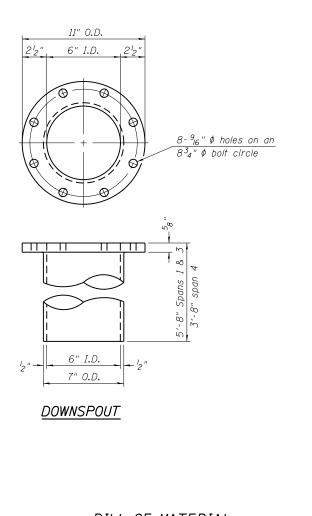
stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

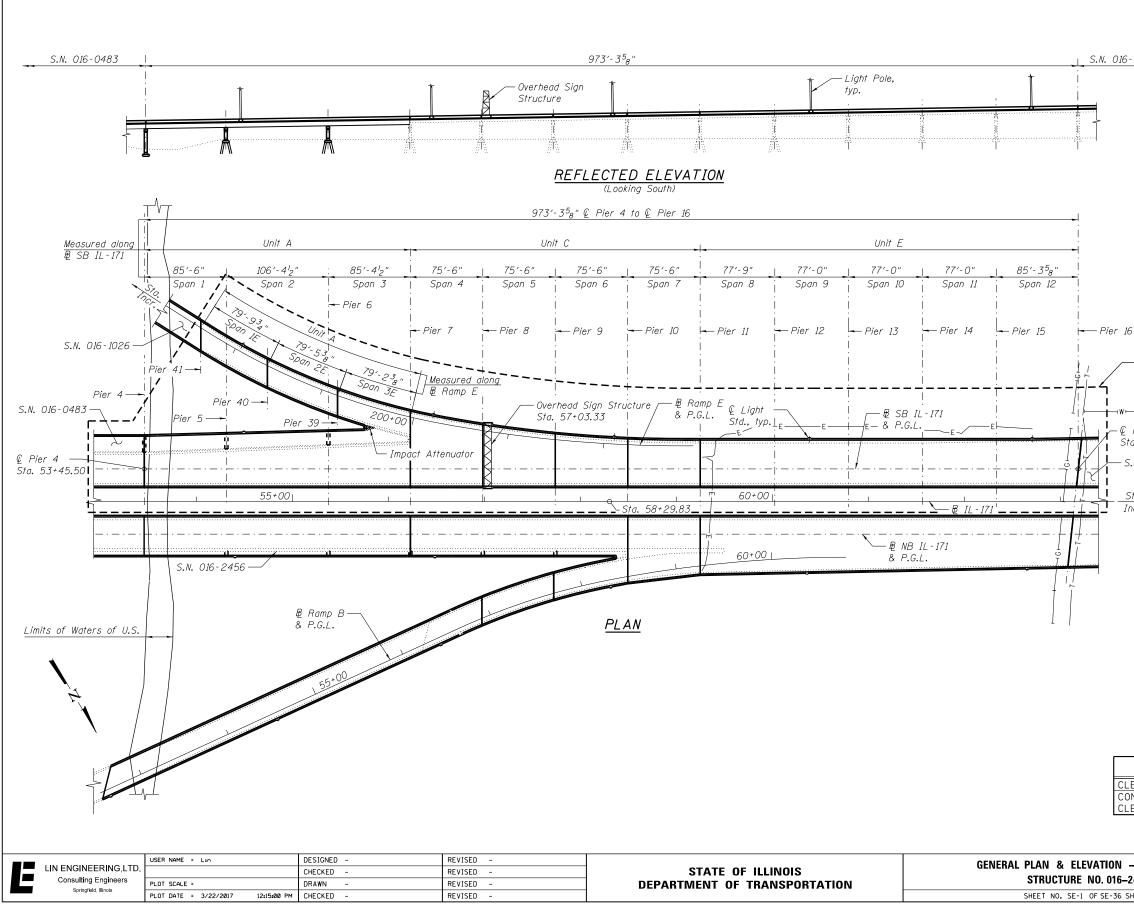
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-33.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.



BILL OF MATERIAL UNIT QUANTITY ITEM Drainage Scupper, DS-33 Each

-33 – LOCATION 4		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
016-2454	372	2013-039BP	СООК	209	51		
010-2434		CONTRACT NO. 60W76					
D-13 SHEETS	ILLINOIS FED. AID PROJECT						



#### **GENERAL NOTES**

- 1. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
- 2. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. STRUCTURAL SHEETS TAKEN FROM EXISTING PLANS CONTAIN INFORMATION NOT PERTAINING TO THIS CONTRACT AND ARE FOR INFORMATION ONLY.
- 4. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SE-19 THRU SE-36 HAS BEEN PRIMED WITH AN INORGANIC ZINC RICH PRIMER UNDER A PREVIOUS CONTRACT. THESE STEEL SURFACES SHALL BE PRESSURE WASHED CLEAN AND POWER TOOL CLEANED (SSPC SP-3 MODIFIED) AS NECESSARY PRIOR TO THE APPLICATION OF THE INTERMEDIATE AND TOP COATS. THE INORGANIC ZINC RICH PRIMER / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR FIELD PAINTING OF THESE LOCATIONS. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS AND ANY EXTERIOR FRAMING SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 5. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SE-2 THRU SE-18 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE LOCATIONS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF THE EPOXY MASTIC / EPOXY MASTIC / ACRYLIC PAINT SYSTEM. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS AND ANY EXTERIOR FRAMING SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- 6. A MINIMUM OF 4 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
- 7. THE ELASTOMERIC PADS OF THE EXISTING BEARINGS SHALL BE MASKED OFF FOR PROTECTION DURING PAINTING AND REMOVED WHEN PAINTING IS FINISHED. COST INCLUDED WITH "CLEANING AND PAINTING STEEL BRIDGE NO. 5".
- 8. IF APPLICABLE, THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.
- 9. ONLY ACCESSIBLE AREAS OF STEEL ON THE UNDERSIDE OF THE FINGER PLATE EXPANSION JOINT SYSTEM SHALL BE PAINTED. TOP SURFACE OF THE FINGER PLATES AND PARAPET PLATES SHALL NOT BE PAINTED.

#### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 5	L. SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT	L. SUM	1
CLEANING RESIDUES NO. 5		

					I	
ON – LOCATION 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
016–2457	372	2013-039BP	СООК	209	52	
			CONTRACT	NO. 6	0W76	
E-36 SHEETS	ILLINOIS FED. AID PROJECT					

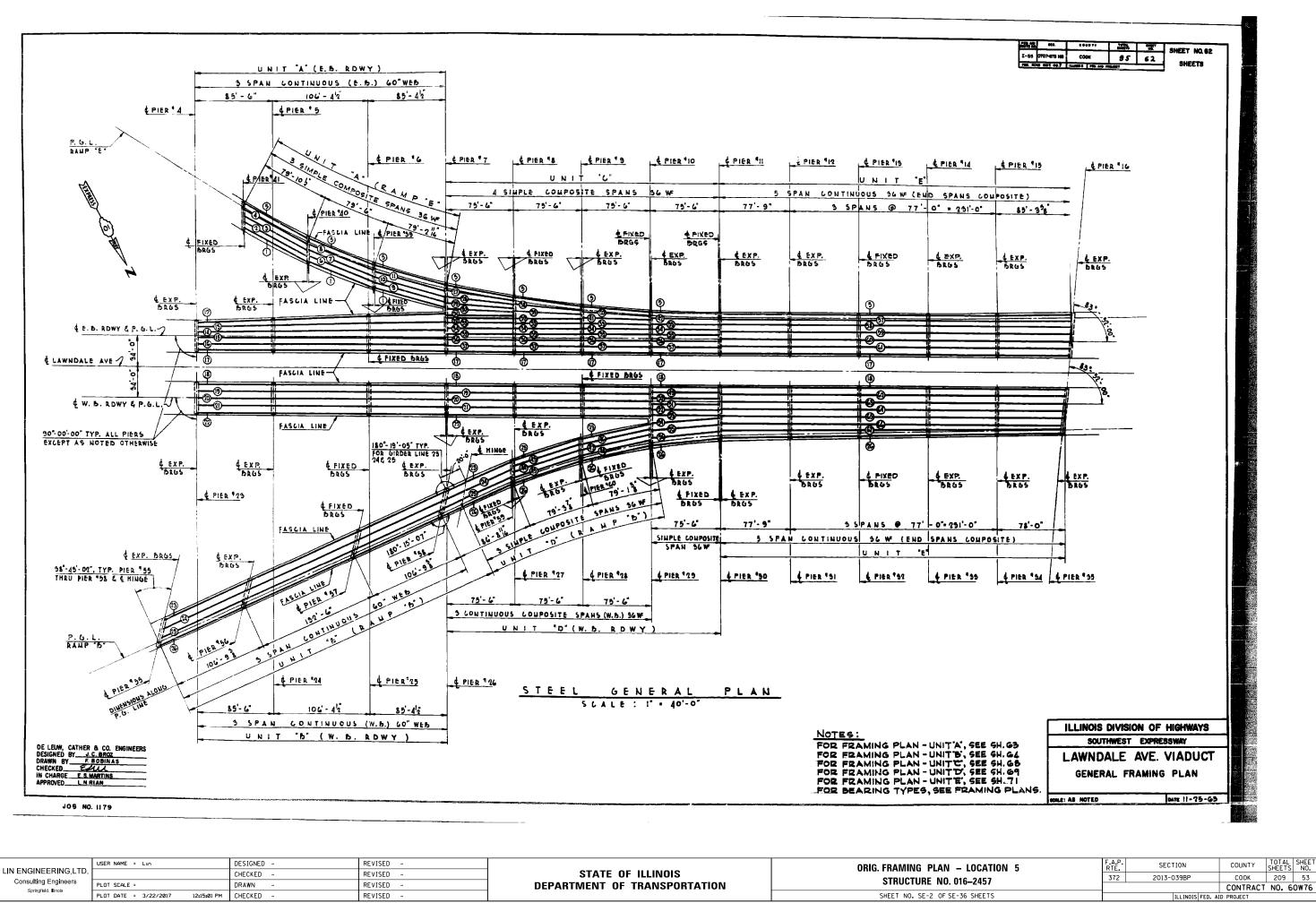
S.N. 016-2455

LOCATION 5

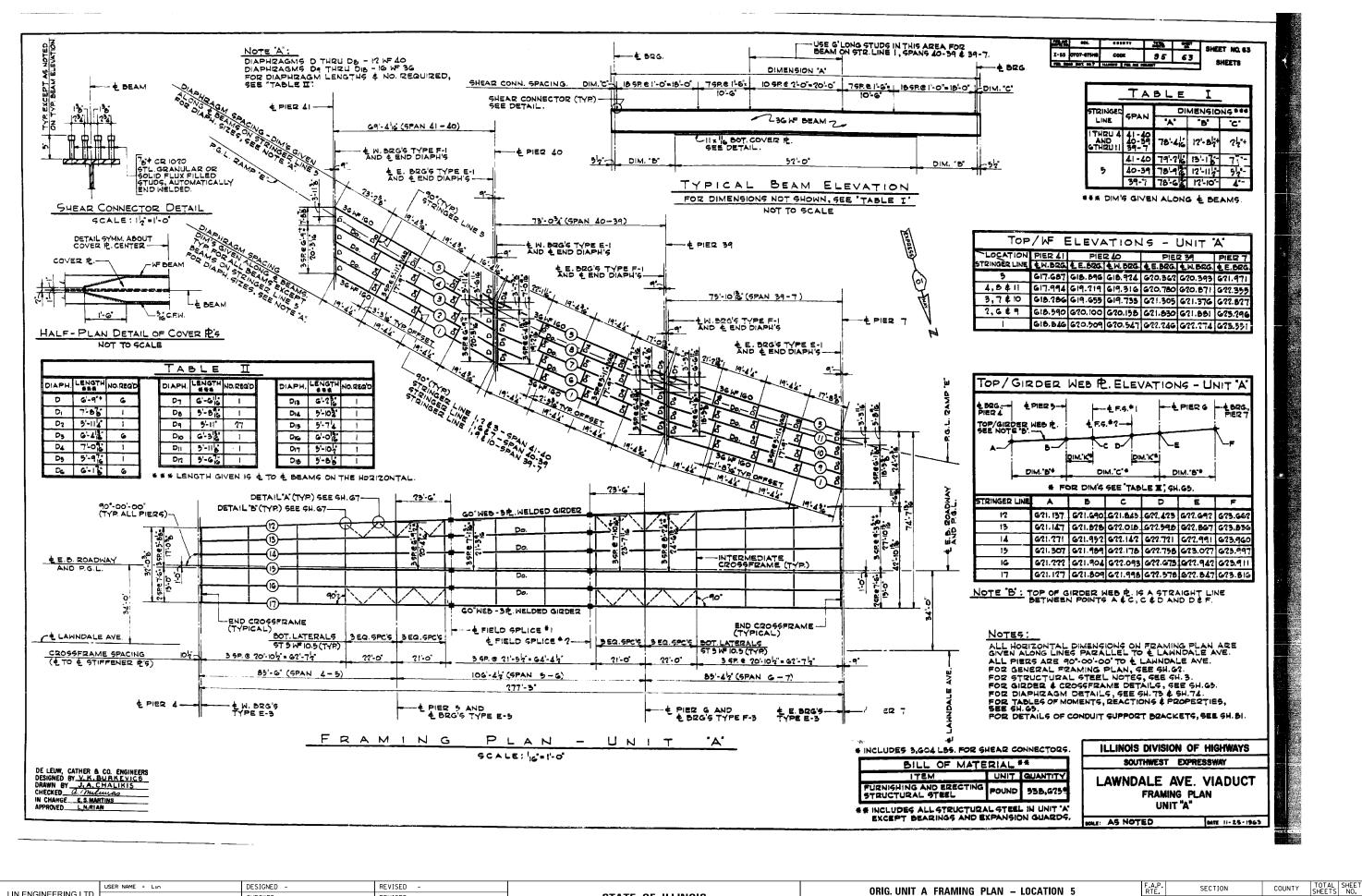
C Pier 16 

S.N. 016-2455

Sta. Incr.



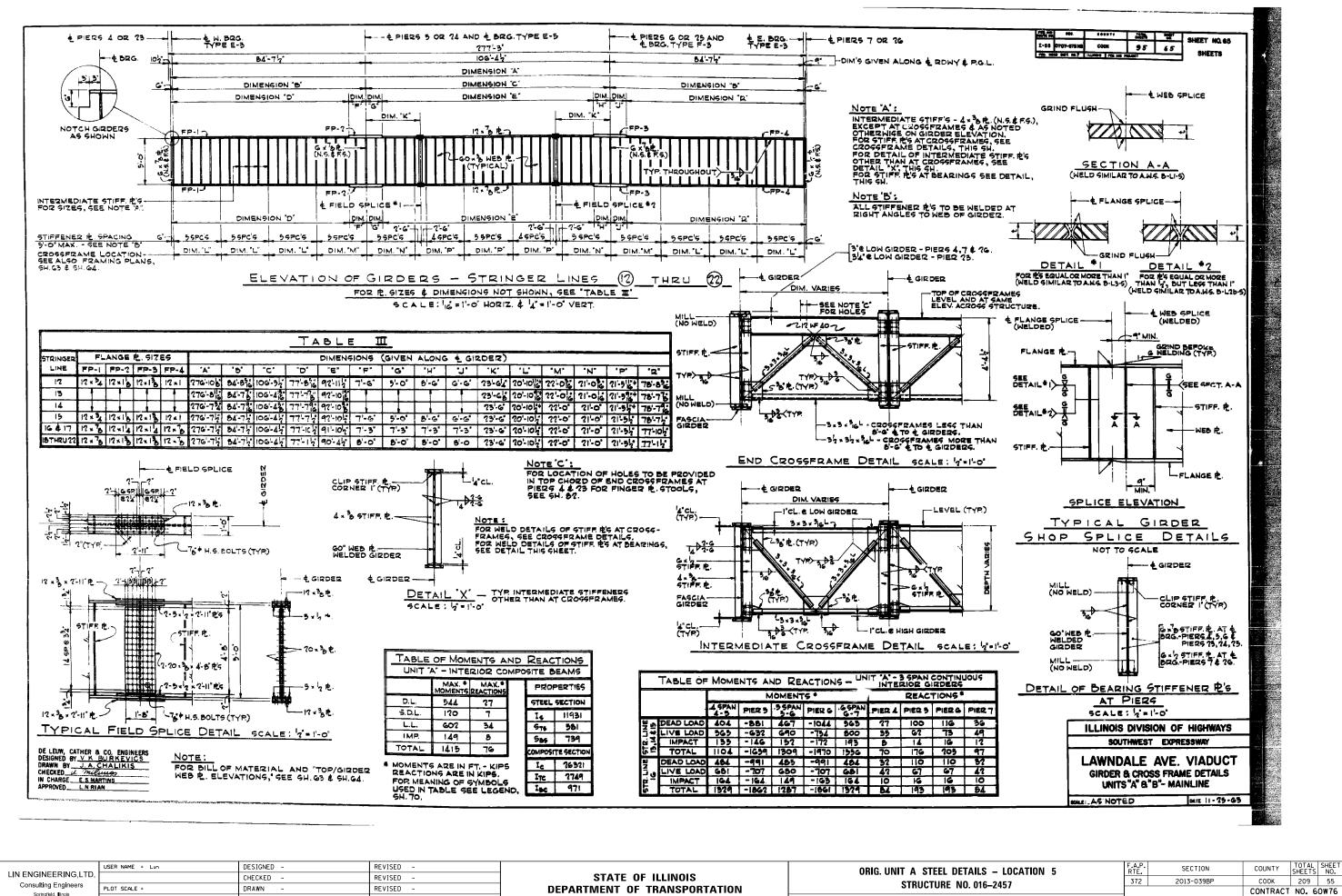
E		USER NAME = Lin	DESIGNED -	REVISED -		ORIG. FRAMING PLAN – I	
	LIN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS		
	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016-	
	opringneld, minois	PLOT DATE = 3/22/2017 12:15:01 PM	CHECKED -	REVISED -		SHEET NO. SE-2 OF SE-36	



I ENGINEERING,LTD. Consulting Engineers	USER NAME = Lin PLOT SCALE =	DESIGNED - CHECKED - DRAWN -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORIG. UNIT A FRAMING PLAN Structure no. 016
Springfield, Illinois	PLOT DATE = 3/22/2017 12:15:09 PM	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. SE-3 OF SE-36

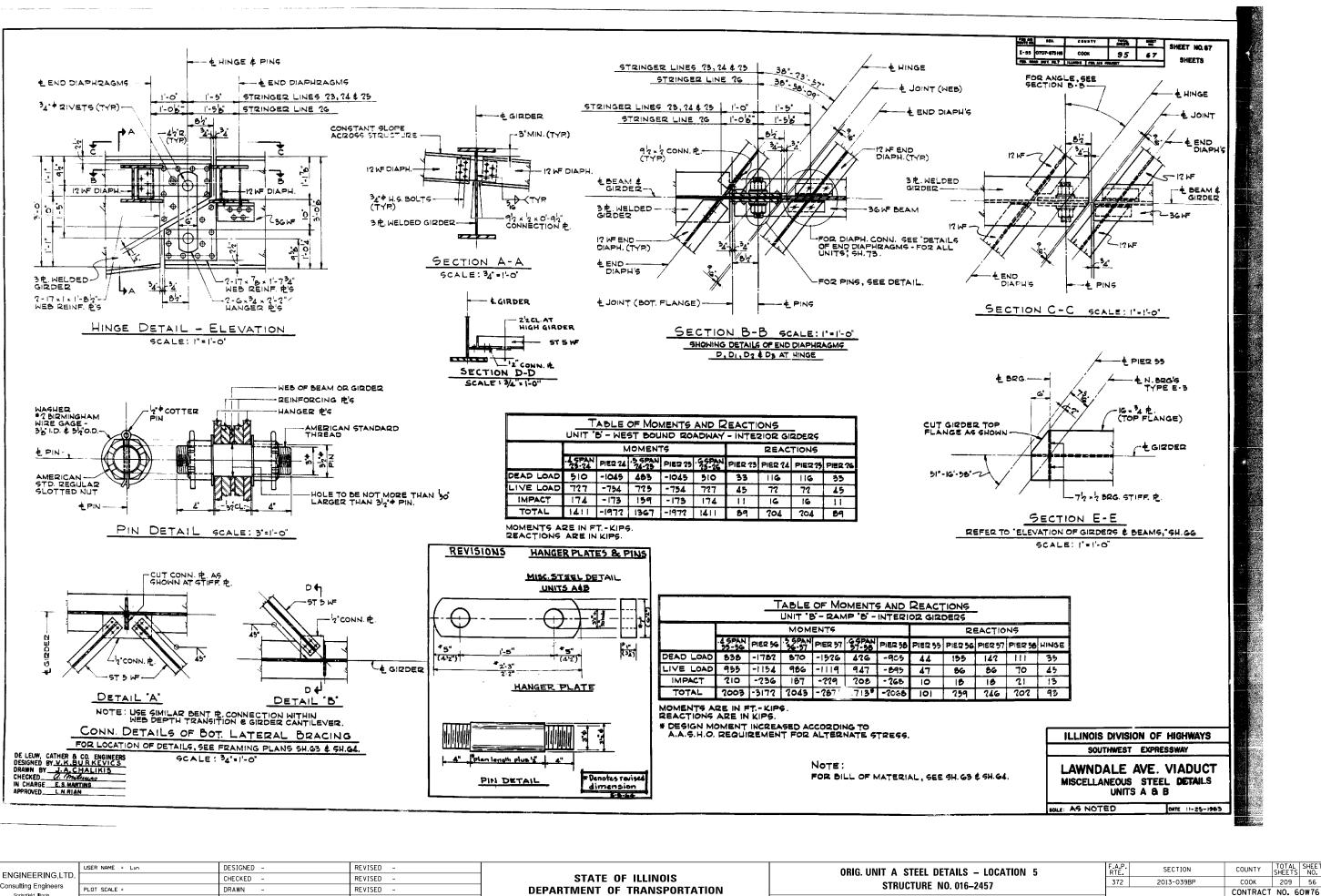
NAME

IAN – LOCATION 5	RTE.	SECTION	COUNTY	SHEETS	NO.
. 016–2457	372	2013-039BP	СООК	209	54
010-2437			CONTRACT	NO. 6	0₩76
SE-36 SHEETS		ILLINOIS FED	. AID PROJECT		



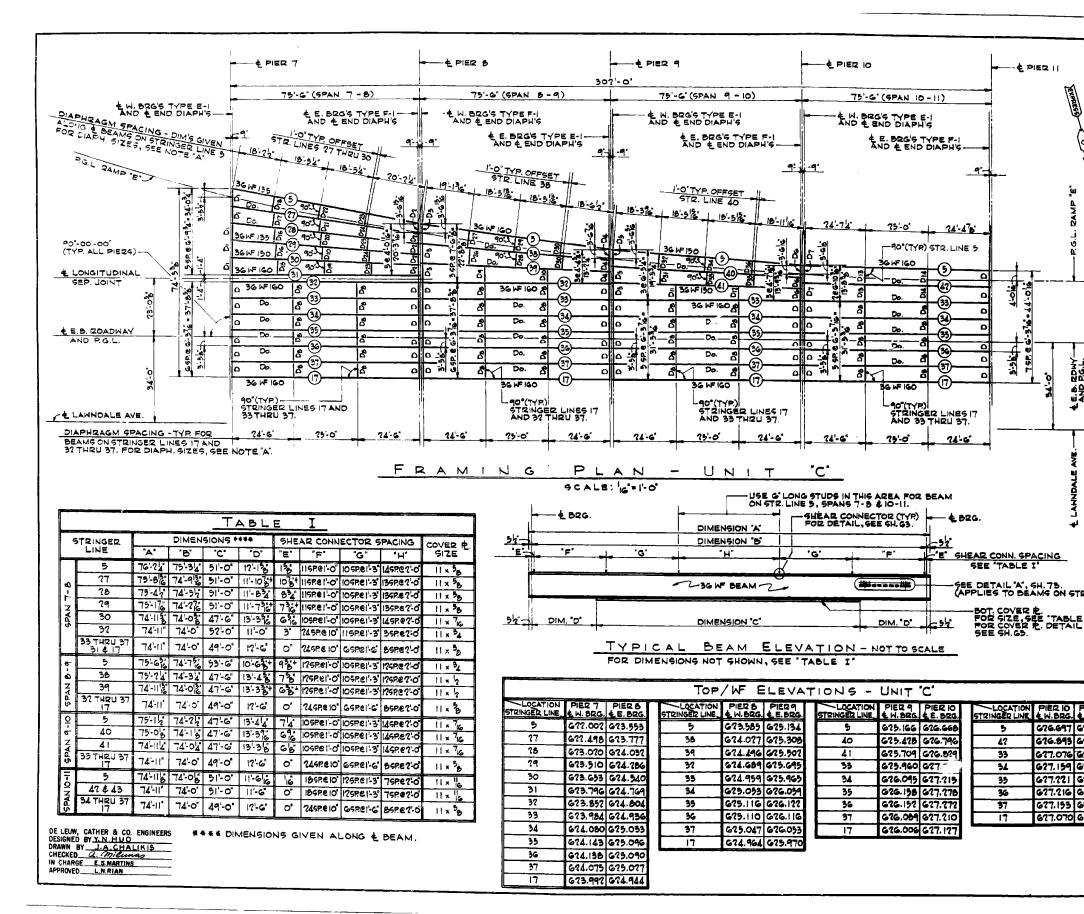
		USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT A STEEL DETAILS
	En EnomeEnno,Erb.		CHECKED -	REVISED -	STATE OF ILLINOIS	
L	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016-
	opringnera, minors	PLOT DATE = 3/22/2017 12:15:16 PM	CHECKED -	REVISED -		SHEET NO. SE-4 OF SE-36

. 016–2457	512	2012-023Bb	COOK	20
. 010-2437			CONTRACT	NO
SE-36 SHEETS		ILLINOIS FED. AI	D PROJECT	



	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT A STEEL DETA
LIN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS	
Consulting Engineers	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.
Springfield, Illinois	PLOT DATE = 3/22/2017 12:15:24 PM	CHECKED -	REVISED -		SHEET NO. SE-5 OF SE

SE-36 SHEETS



	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT C FRAMING PLAN
LIN ENGINEERING, LTD		CHECKED -	REVISED -	STATE OF ILLINOIS	
Consulting Engineers	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016
Springfield, Illinois	PLOT DATE = 3/22/2017 12:15:32 PM	CHECKED -	REVISED -		SHEET NO. SE-6 OF SE-36

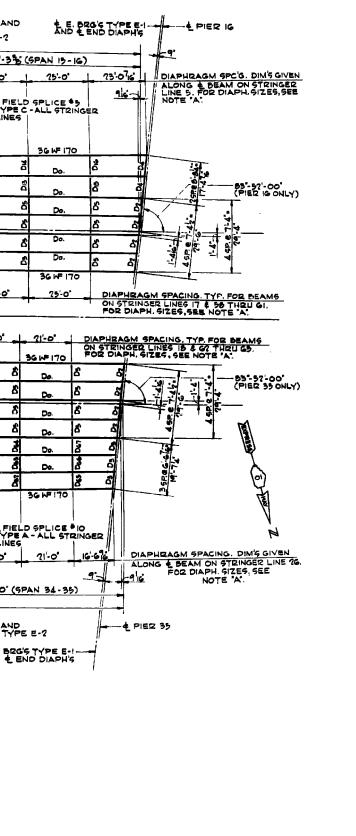
NAME

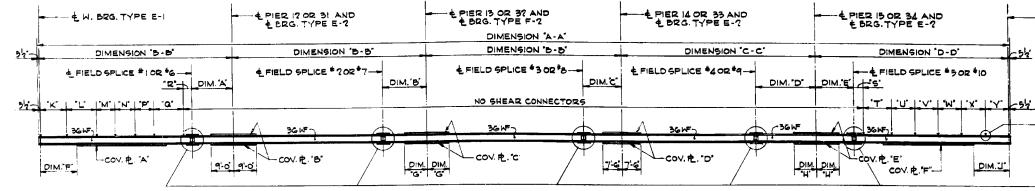
L-35       OPD-MFMMS       COOK       9.5       6.6       SHEETS         TABLE TEXT ILLING I THE MEMORY         TABLE E II         DIAPH. LENGTH NO.READ         DIA 4'-0'16         DIA 4'-0'16         DIA 4'-0'16         DIA 4'-0'16         DIA 4'-0'16         DIA 6'-3'6         DIA 6'-1'6'	198.49	aja. a et			64 <b>5</b> 7		
$\frac{T \land B \sqcup E II}{Di \land PH (LENGTH NO. REGD)} = \frac{T \land B \sqcup E II}{Di \land PH (LENGTH NO. REGD)} = \frac{Di \land PH (LENGTH NO. REGD)}{Di \land G : 3^{2}_{G} \land 4^{G} \land 5^{G}_{G} \land $	I-55 070			95	68	] "	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							
D $6' \cdot 3^{+}_{16} = 46$ D1 $6' \cdot 9^{+}_{2} = 3$ D2 $4' \cdot 0^{+}_{16} = 5$ D2 $4' \cdot 0^{+}_{16} = 5$ D3 $7' \cdot 6^{+}_{16} = 3$ D4 $4' \cdot 4^{+}_{2} = 3$ D5 $6' \cdot 5^{+}_{16} = 3$ D4 $4' \cdot 4^{+}_{2} = 3$ D5 $6' \cdot 5^{+}_{16} = 3$ D6 $4' \cdot 7^{+}_{16} = 3$ D7 $6' \cdot 10^{+}_{2} = 2$ D6 $4' \cdot 7^{+}_{16} = 3$ D7 $6' \cdot 10^{+}_{2} = 2$ D6 $6' \cdot 3^{+}_{16} = 444$ D7 $6' \cdot 10^{+}_{2} = 2$ D7 $6' \cdot 10^{+}_{2} = 2$ D8 $5' \cdot 11^{+}_{16} = 1$ D7 $6' \cdot 3^{+}_{16} = 444$ D8 $5' \cdot 2^{+}_{16} = 1$ D9 $5' \cdot 2^{+}_{16} = 1$ D10 $5' \cdot 5^{+}_{16} = 1$ D11 $5' \cdot 6^{+}_{16} = 2$ D12 $5' \cdot 5^{+}_{16} = 1$ D13 $5' \cdot 5^{+}_{16} = 1$ D14 $6' \cdot 5^{+}_{16} = 2$ D14 $6' \cdot 5^{+}_{16} = 2$ D15 $0' \cdot 5^{+}_{16} = 1$ D14 <td></td> <td>TAI</td> <td>3 L I</td> <td>= 1</td> <td>I</td> <td></td> <td></td>		TAI	3 L I	= 1	I		
D $G' - 3^{+}_{16}$ 46 D $G' - 3^{+}_{16}$ 46 D $G' - 3^{+}_{16}$ 5 D $G' - 3^{+}_{16}$ 5 D $G' - 3^{+}_{16}$ 5 D $G' - 3^{+}_{16}$ 5 D $G' - 3^{+}_{16}$ 7 D $G' - 10^{+}_{16}$ 7 D $G' - 10^{+}_{17}$ 7 D $G' - 10$		GTH NO. REOD		DIAPH		5TH	NO.ZEOD
$\frac{1}{22} \frac{4' - 0!_{6}}{2} \frac{5}{3} \frac{7}{7} - 6\frac{7}{6} \frac{5}{3} \frac{3}{3} \frac{7}{7} \frac{7}{6} \frac{7}{6} \frac{7}{3} \frac{3}{3} \frac{7}{3} \frac{7}{6} \frac{7}{6} \frac{7}{3} \frac{7}{3} \frac{7}{3} \frac{7}{6} \frac{7}{6} \frac{7}{3} \frac{7}{3} \frac{7}{3} \frac{7}{6} \frac{7}{6} \frac{7}{3} \frac{7}{3} \frac{7}{6} $	6'-3	6 46		D22		-	
D3 $7' - 6'_{5}$ 3         D4 $4' - 4^{2}_{4}$ 3         D5 $6' - 5^{1}_{4}$ 3         D6 $4' - 7^{1}_{4}$ 3         D7 $6' - 10^{5}_{5}$ 2         D8 $6' - 5^{1}_{4}$ 44         D7 $6' - 10^{5}_{5}$ 2         D8 $6' - 5^{1}_{4}$ 44         D9 $6' - 6^{1}_{4}$ 1         D1 $5' - 5^{1}_{4}$ 2         D7 $6' - 10^{5}_{5}$ 2         D8 $6' - 5^{1}_{16}$ 44         D1 $5' - 5^{1}_{16}$ 1         D2 $5' - 7^{1}_{16}$ 1         D3 $5' - 6^{1}_{16}$ 1         D3 $5' - 6^{1}_{16}$ 1         D3 $5' - 0^{1}_{16}$ 1         D4 $5' - 5^{1}_{16}$ 1         D3 $5' - 0^{1}_{16}$ 1         D4 $5' - 5^{1}_{16}$ 1         D4 $5'$				D25			2
D4 $4'-4^{2}x^{2}$ 3         D5       G'-5'x^{2}       3         D6 $4'-7^{1}x^{2}$ 3         D7       G'-10x^{2}x^{2}       2         D8       G'-5'x^{2}x^{2}       44         D7       G'-6'x^{2}x^{2}       1         D8       G'-7'x^{2}x^{2}       1         D8       G'-5'x^{2}x^{2}       1         D9       G'-6'x^{2}x^{2}       1         D10       5'-5'x^{2}x^{2}       1         D11       5'-7'x^{2}x^{2}       1         D12       5'-7'x^{2}x^{2}       1         D13       G'-7'x^{2}x^{2}       1         D14       G'-9'x^{2}x^{2}x^{2}       1         D15       G'-1'x^{2}x^{2}x^{2}       1         D14       G'-9'x^{2}x^{2}x^{2}x^{2}       1         D14       G'-9'x^{2}x^{2}x^{2}x^{2}x^{2}       1         D16       G'-1'x^{2}x^{2}x^{2}x^{2}       1         D14       G'-9'x^{2}x^{2}x^{2}x^{2}x^{2}       1         D15       G'-1'x^{2}x^{2}x^{2}x^{2}x^{2}x^{2}x^{2}x^{2}					_	_	
D5       G $\cdot 5\frac{1}{4}$ 3         D6 $4^{1} \cdot 7\frac{1}{6}$ 3         D7       G^{1} \cdot 10\frac{1}{6}       7         D8       G^{1} \cdot 3\frac{1}{6}       1         D7       G^{1} \cdot 0\frac{1}{6}       1         D8       G^{1} \cdot 3\frac{1}{6}       1         D9       G^{1} \cdot 3\frac{1}{6}       1         D10       5^{1} \cdot 3\frac{1}{6}       1         D11       5^{1} \cdot 3\frac{1}{6}       1         D12       5^{1} \cdot 7\frac{1}{6}       1         D13       G^{1} \cdot 7\frac{1}{6}       1         D14       G^{1} \cdot 9\frac{1}{16}       1         D15       G^{1} \cdot 1\frac{1}{1}       1         D16       G^{1} \cdot 1\frac{1}{1}       1         D26       5^{1} \cdot 5\frac{1}{6}       1         D27       5^{1} \cdot 5\frac{1}{6}       1         D28       5^{1} \cdot 5\frac{1}{6}       1         D29       5^{1} \cdot 5\frac{1}{6}       1         D20       5^{1} \cdot 5\frac{1}{6}       1       1			1	<u> </u>		_	
De       4'-7's       3         Dr       G'-10's       2         De       G'-37's       44         De       G'-37's       44         Da       G'-37's       44         Da       G'-37's       44         Da       G'-37's       1         Da       G'-37's       2         Da       G'-37's       2         Da       G'-7's       1         Das       G'-7's       2         Das       G'-7's       2         Das       G'-7's       2         Das       G'-7's       1         Das       G'-1's       1         Das				i	_	-	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $						_	· · · · ·
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	D7 6'-10	02 7		D29	5-	12	
$\frac{D_{10}}{D_{11}} = \frac{5^{1} - 5^{2}}{5^{1} - 7^{1} - 6^{2}} = \frac{1}{1}$ $\frac{D_{32}}{D_{11}} = \frac{5^{1} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} - 7^{2} $		1.1			_		2
DIE 5'-9'S I DIE 5'-9'S I DIE 5'-9'S I DIE 5'-9'S I DIE 6'-7'S 2 DIE 6'-7'S 2 DIE 6'-1'S 1 DIE 6'-1'S 2 DIE 6'-1'S 2 DIE 6'-1'S 1 DIE 6'-1'S 1 D					_	~	
DIZ 5'-2'16 1 DIX 5'-2'16 1 DIX 6'-7'16 2 DIX 6'-7'16 2 DIX 6'-7'16 2 DIX 6'-1'6 1 DIX 6'-1'6 1 DIX 6'-1'8 2 DIX 6'-1'8 1 DIX 6'-1'8							
Dis       G'-7%       Z         Dis       G'-7%       Z         Dis       G'-1%       Z         Dis       D'-0%       Z         Dis       D'-0%       Z         Dis       D'-0% <t< td=""><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></t<>		-					
DIA G'-516 2 DIS G'-176 1 DIG G'-176 1 DIG G'-176 2 DIT G'-18 2 DIT G'-18 2 DIT G'-18 2 DIT G'-18 1 DIG G'-1 1 DIG G							
DIS G'-176 1 DIS G'-176 1 THE DIS G'-176 1 DIS G'-176 1 THE DIS G'-176 1 THE			1				
DIT G'-1' 1 DIG G'-1' 1 DIG G'-1' 1 DIG G'-1' 1 DIG G'-5'G 1 DIG 5'-5'G 1 DIG 5'-5'G 1 DIG 5'-5'G 1 DIG 5'-5'G 1 DIG 5'-5'G 1 DIG 5'-5'G 1 * LENGTH GIVEN IS & TO & DEAMS ON THE HORIZONTAL. OTE 'A': IAPHRAGMS D THRU DIG - IS WF 36 DIAPHRAGMS DB THRU DIG - IS WF 36 DIAPHRAGMS DB THRU DIG - IS WF 36 DIAPHRAGM LENGTHS & NO. REQUIRED, EE 'TABLE I': 5 \$ 17 OF SPAN 8-9 ONLY) NOTES: FOR GENERAL FRAMING PLAN, SEE SH.G?. FOR TABLE OF MOMENTS, REACTIONS AND PROPERTIES, SEE SH.70. EOR DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH.BI. BILL OF MATERIAL ** ITEM UNIT GUANTITY FURNISHING AND ERECTING POUND 5G9.70G* ** INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C' EXCEPT DEARINGS AND EXPANSION GUARDS			1		<u> </u>		
DIG G-1' I DIG G-1' I DIG 5'-5'G I DIG 5'-5'G I DIG 5'-5'G I DIG 5'-5'G I DIG 5'-5'G I APHRAGMG D'HRU DT - 12 WF 40 IAPHRAGMG DB THRU DT - 12 WF 40 IAPHRAGMG DT - 12 WF 40 IAPHRAG							
Dra       5'-5%       1         Draveland       5'-5%       1         Dresserval       5'-5%       1         Notes       5'-7%       1         Structure       5'-5%       1         Dresserval       5'-7%       1         Dresserval       5'-7%       1         Dresserval       5'-7%       1         Dresserval       5'-7%       1         Structur			4				
D20 9'-5'6 1 D21 9'-5'6 1 * LENGTH GIVEN 16 & TO & DEAMS ON THE HORIZONTAL. DTE 'A': APHRAGMG D THRU D7 - 12 WF 40 APHRAGMG D6 THRU D6 - 16 WF 36 D1APHRAGM LENGTHG & NO. REQUIRED, E TADLE II: 5 & 17 OF SPAN 8-9 ONLY) NOTEG: FOR GENERAL FRAMING PLAN, GEE GH. G2. FOR GENERAL FRAMING PLAN, GEE GH. G4. 3. FOR GENERAL FRAMING PLAN, GEE GH. G4. 3. FOR TABLE OF MOMENTG, REACTIONS AND PROPERTIES, GEE GH. 70. E02 DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH. 51. DILL OF MATERIAL ** ITEM UNIT GUANTITY FURNIGHING AND ERECTING POUND 569.70G* ** INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C' EXCEPT BEARINGS AND EXPANSION GUARDS							
DZI 5'-5'6 I LENGTH GIVEN IG & TO & DEAMS ON THE HORIZONTAL. DTE 'A': APHEAGMG D THRU DT - 12 WP 40 APHEAGMG DO THRU DG - 16 WP 36 R DIAPHRAGM LENGTHG & NO. REQUIRED, E 'TABLE II' 5¢ IT OF SPAN 8-9 ONLY) NOTES: POR GENERAL FRAMING PLAN, GEE GH.G2. FOR TABLE OF MOMENTS, REACTIONS AND PROPERTIES, GEE GH. 70. EOR DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH.BI. BILL OF MATERIAL ** ITEM UNIT GUANTITY FURNIGHING AND ERECTING FOR DIAPHRAL STELL ** INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C' EXCEPT BEARINGS AND EXPANSION GUARDS			-				
* LENGTH GIVEN IS & TO & BEAMS ON THE HORIZONTAL. OTE 'A': APHRAGMS D THRU D7 - 12 WP 40 APHRAGMS D5 THRU D56 - 16 WP 36 OR DIAPHRAGM LENGTHS & NO. REQUIRED, SE TABLE I: 5 \$ 17 OF SPAN 8-9 ONLY) NOTES: FOR GENERAL FRAMING PLAN, SEE SH. G7. FOR GENERAL FRAMING PLAN, SEE SH. G7. FOR GENERAL FRAMING PLAN, SEE SH. G7. FOR TABLE OF MOMENTS, DEACTIONS AND PROPERTIES, SEE SH. 70. FOR DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH. BI. BILL OF MATERIAL ** ITEM UNIT GUANTITY FURNISHING AND ERECTING FOUND 569.70G* ** INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C' EXCEPT BEARINGS AND EXPANSION GUARDS							
NOTES: FOR GENERAL FRAMING PLAN, SEE SH.G?. FOR STRUCTURAL STEEL NOTES, SEE SH.3. FOR DIAPHRAGM DETAILS, SEE SH.70. FOR TABLE OF MOMENTS, REACTIONS AND PROPERTIES, SEE SH.70. EOR DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH.BI. BILL OF MATERIAL ** ITEM UNIT GUANTITY FURNISHING AND ERECTING FURUCTURAL STEEL IN UNIT 'C' EXCEPT BEARINGS AND EXPANSION GUARDS	Note "A" : Diaphragm Diaphragm		LU Dw	s−KG k	F 36	UIZ	ED,
FOR GENERAL FRAMING PLAN, SEE SH.G?. FOR GTRUCTURAL STEEL NOTES, SEE SH.3. FOR DAPHRAGM DETAILS, SEE SH.73 & SH.74 FOR TABLE OF MOMENTS, REACTIONS AND PROPERTIES, SEE SH.70. EOR DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH.BI. BILL OF MATERIAL ** ITEM UNIT GUANTITY FURNISHING AND ERECTING STRUCTURAL STEEL ** INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C EXCEPT BEARINGS AND EXPANSION GUARDS	19 5 ¢ 17 of 1	SPAN 8-9	ONLY]	)			
FOR GENERAL FRAMING PLAN, GEE GH.G?. FOR GTRUCTURAL GTEEL NOTES, GEE GH.3. FOR DIAPHRAGM DETAILS, GEE GH.75 & GH.74 FOR TABLE OF MOMENTS, DEACTIONS AND PROPERTIES, GEE GH.70. FOR DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH.51. BILL OF MATERIAL ** ITEM UNIT GUANTITY FURNIGHING AND ERECTING STRUCTURAL STEEL * INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C EXCEPT DEARINGS AND EXPANSION GUARDS	Notes						
EO2 DETAILS OF CONDUIT SUPPORT BRACKETS SEE SH.BI. DILL OF MATERIAL ** ITEM UNIT QUANTITY FURNISHING AND ERECTING STRUCTURAL STEEL ** INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C' EXCEPT DEARINGS AND EXPANSION GUARDS	FOR GEN FOR GTI FOR DIA FOR TAL	RUCTURA APHRAGM	L STE DETA	IEL NO NLS, 9 S, 884	SEE GI	5E 4.75	E 5H.3. 3 & 5H.7/
TEM UNIT QUANTITY FURNIGHING AND ERECTING STRUCTURAL STEEL POUND 569,70G* * INCLUDES ALL STRUCTURAL STEEL IN UNIT'C EXCEPT BEARINGS AND EXPANSION GUARDS	EOR DE	TAILS OF (	ONDU	IT SUF	P027	82	ACKETS
FURNISHING AND ERECTING STRUCTURAL STEEL POUND 569,706* * INCLUDES ALL STRUCTURAL STEEL IN UNIT'C EXCEPT BEARINGS AND EXPANSION GUARDS		BILL		ATE		**	
STRUCTURAL STEEL FOUND 564, /06* * INCLUDES ALL STRUCTURAL STEEL IN UNIT 'C EXCEPT BEARINGS AND EXPANSION GUARDS	EURAIN		EDEC	TINA		Τ.	JANTITY
EXCEPT BEARINGS AND EXPANSION GUARDS				1 140	POUNE	4.9	69,706*
	# # INCLU	DES ALLS			STEE		
ILLINOIS DIVISION OF HIGHWAYS		11 1 14	1018 1	NVISIO		ш	GHWAYS
SOUTHWEST EXPRESSWAY					-		
LAWNDALE AVE. VIADUC FRAMING PLAN & DETAILS UNIT"C"			NDA		WE. I a de	VI	ADUC
1042: AS NOTED MTE 11- 25-19		SOULE: AS	NOTE		-	041	E   + 25-1

AN – LOCATION 5	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
016–2457	372	2013-039BP		СООК	209	57
				CONTRACT	NO. 6	0₩76
E-36 SHEETS		ILLINOIS	FED. AI	D PROJECT		

	AND & END C			4 8	RG'S TYP	E E-2		<b>⊨</b>	PIER 13 AND	'E ∵-? 4'-0 <b>5</b> "		ه ط P! ط	ER 14 AN BRG'S TY	D Pee.?			BRG'S
DIM'S GIVEN ALONG	77'-9" (51	PAN 11-12)		<b> -</b>	<u>יר'-0' (55) (55)</u>	PAN 12-13	>		-0" (5	PAN 13-14)			77'-0" (	SPAN 14 -	15)	1	85'-33
							1				1	-			22'-0"	1 15'-0"	25'-0'
9	& FIELD SP TYPE A - AL LINES	LICE #1		) <del>.</del>		.ICE # ? - STRINGER			¢ FIELD SF	LICE * 3	-	L		_ <b>A</b> L			.
90°(TYP) ALL DIAPHRAGN INTO BEAM ON STRINGED	AS FRAMING		<u>_ IQ'-G'</u> _	-	1127		<u> </u>		LINES		-15'-0"		ild Splic E A-All S IS		24'-0"	17'-0'	TYPE
	5 WF 170			36 WF 150							1						
	Do. 6	<u> 15</u>	8 8	, i	3	ជំ ដំ		1	36 WF 150	6 6	8	8	36 WF 150		36WF170	- 16- 10	
90*-00'-00"	<u>00.</u>	ц С	8 8	2 Do.	2	<u>ප</u> සි	<u></u>	+	<u>ප Do.</u> ති	(57)			Do.	0 7 0 	Do. 0		
(TYP. ALL PIEZS	00.	6	8 8	2	1 <u>2</u>	<u>ເ</u>	<u>}</u>					6	De-		6 Do. 6		
E.B. RDADWAY	Do. 4		8 8	1 Do.	8	<u>6</u> 6			1 Do.		8	ර්	Da	۵ ۲	a _{Do.} d	3 3	
AND P.G.L.	Do. 6		+	Do.	1.	1.	÷	3	5 5 00,		්	<u></u> d		ő	<u>ठ</u>	8 8	<u> </u>
ů <u>t</u>		6	8 8	<u>'</u>	2	<u>ది ద</u>	<u>+</u>	3	<u> </u>		8		Do.	å	B Do.	5 8	I
		<u></u>	8 8	36 WF 150	8	ර ර		3	<u>රි</u> Do.		[	ර්	Dø.	۵	2°°, 2	8 8	I
	20'-10" 20'-10"	20-10	14'-6"				1		36 MF 150	Ŭ	Т		36 WF 150	1	36 W 170		T
r€ LAWNDALE AVE.		90"(TYP) STR		19'-6"		19-0	19'-6"	17'-0"	21-6	21-6	17'-0'	17'-0'	19'-0'	19'-0'	22'-0"	15'-0'	25-0
		90'(TYP.) STR													<u> </u>		
,	20-10 20-10		14'-6'	19'-6"	19'-0"	19'.0"	19'-6"	<u></u>	L 21'-6'	21'-6"	17'-0'	17'-0"	19'-0"	19'-0'	22'-0"	<u></u>	<b>6</b> .1 <b>6</b> ²
io	6 HF 170	1			36 W# 150		 		36 WF 150							13.0	21:-0
	De, 6	<u>~</u> ~	8 8	6	Do.	<u>රි ර</u>		3	8	8 8 8	8	්	36 WF 190	8	36 WF 190	2 8	5
W.B. ROADWAY	ත. රී	8	8 8	2 2	3 Do.	8 8		2	1 <u>Do</u> ,			2	<u> </u>	8			+
AND P.G.L.	Do. 6	8	8 8		, <u> </u>		<u>.</u>		De.				Do.			8	8
		8	8 8		2 <u>36 WF 190</u>		<del>  •                                     </del>					2	Do.	6	1 ² Do. 2	8 8	8
(TYP. ALL PIERS S					36 W# 170				<u>č</u> _{De.}		8	8	De.	6	B Do. C	8 d	8
	A	<u></u>	200		5 Do.	8 8			De.			S I	Dø,	So I	1 Do, 2	تتحد الانجا	
D 31.6	Do. (TYP)	2 2 2	2 2		Do.	6 6		ŝ	Do.	δ () <b>δ</b>	2 2	<u>i</u>	De.	õ	A Do. 4		
ā v	- 90°		3 3		<u>S</u>	120 S			Das		1	2 8		8	6		
3	6 W 170				36 WF 170		1		36 WP 190				36 WF 190	Ī	36 WF 190		- N.
DIAPHRAGM LINE		- 6	6.6	_ <b>⊢</b> □	E		17-6	j			15-0				74'-0"	17'-0'	4.
OFFSETS. SEE SH.74.	+ FIELD SPLICE	#G			D'SPLICE	# 7	-4 1. ced		E FIELD SP	LICE *8		TYP	ELD SPLIC	E #9			TYPE
<u>9'</u>	TYPE C - STR. LI	VE 26,65,66 \$	57 1	TYPE	A-STR.LIN	E 76,65,66 (	67		LINES			LINE	1	19'-0'	22'-0"	15'-0'	21'-0"
	21-075 20-10	20'-10"	14'-6'	19'-6"	19'-0"	19-0'16	19'-6"	- <u></u>	?!-6	21'-6"	- 17'-0"	17-016	19'-0"	- 19·0		1-1-1-	
DIM'S GIVEN ALONG & W.B. RDWY & P.G.L.	77'-9" (61	PAN 30-31)		<b>.</b>	77'-0" (51	PAN 31-32	<u>)                                    </u>		<u>77'-0" (SF</u>	AN 32-33)		_	יס-'דר' (q	PAN 33-3	34)	ļ	78'-0" (9
			<u> </u>	1				<u> </u>	38	6'							
€ PIEZ 30	AND & END (	(PEE-I DAPH'S		& PI	ER 31 AND BRG'S TYF	°E E·2			PIER 32 AND 4 BRG'S TYP	E F-?			EIZ 33 AN BRG'S TY	d Pee-2			IER 34 AND BRG'S TYF
					5	RA			<b>—</b>			ИU		.E.			4 E. 520 AND 4 E
						HK M	N 1 1	N 74	1 1		-	1 1 1 1					

"		USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT E FRAMING PLAN – LOCATION 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
AME	Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2457	372	2013-039BP	СООК	209	58
й Ц	Springfield, Illinois	PLOT SCALE = PLOT DATE = 3/22/2017	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. SE-7 OF SE-36 SHEETS			AID PROJECT	T NO. 60	W76
ᄃᄂ		FEOT DATE - 3/22/2017	12113148 PM CHECKED -	REVIJED -		SHEET NO. 3E-1 OF 3E-36 SHEETS		ILLINUIS FED.	AID PROJECT		





# TYPICAL BEAM ELEVATION FOR DIMENSIONS NOT SHOWN & COVER PLATE SIZES, SEE 'TABLE I'

																						_		TA	<u>B</u> l	E	<u> </u>							_											_				
STRINGER	2					DIM	ENSIO	NS (GI	VEN	ALO	NG Ł	BEA	M)												5	HEAR	CONN	IECT	02 9	SPACI	NG							COV	ER P	LATE	SIZE	- FC	יסט צו	VER P	LATE	DET/	AIL, SE	E SH	63.
LINE	Ά-Α΄		B-B			>-D"	"A"	"В"	"<	:1	.D.	'E'		F	'G'	•н	⁻ ر-	<b>к</b>	(*	"L"	"М"		"N"	1	P'	'a'	'2		÷. [	" <b>T</b> "	•	็น"	*v*	.M.	*	'x'	'Y'	COV.	P.A	COV.	电."5	COV	t.t.c	COV.F	12. D	COV.	₽."E" (	COV. #	· = '
5	396-9	3 7	°-'71	77-0	6 87	-105:	16'-6"	17'-6	15	0" 1	24'-0 ¹ 6	17'-0	16 14	'-G"	7'-6	11'-0	' II'-G	1458	e 9'   I	25P.@1-0	55P.@	62	15Pe7'0	55P	ei-c	125881-0	5-0	> 4 -	44	1299.00	1' 139	Pe1-0"	IISPel-	45P.e	1-3 8	SPEI-O	205P.8-9	11×76	× 36-0	11+3	× 18-0	11×7 ₁₆	× 15-0	11 × 710	×15'0'	II . Y	27.01	1×7.×	52-0
57	395-9		4	77-0			-	•			24'-0"			T T	-		r [ II'-o								1	-		3-	4%	125P.e.	1 1391	P.E.I-0	IISPel	49P.8	1-3 8	SP.e.I'-O	205PE		•		1		•				. 22-0 1		
58	394'-10	2		ŀ	85	11.4										11-0	10-0				L												105P.E.1-										1				× 22'-0' I		
59	394'-15	6			85	26										10-0	12-0											3-	26	IGSPEI ¹	0 65	Pel G	35P82	D' GSP.C	1-6 16	SP.CI-O	1259.09	1								11+34+	- 20-0"	ILXIGX	49:0
60	393-3				84	4'6											12'-0	×										4'-	42		T		?SP.e?!	0				T										11 1 4 4 4	
61	392'6					5.735											12,-0	ľ											78				25P.02-															II × 46×	47'0
17	391-8					912											12'-0																15P.2.7-							1							l l	11 * 16 *	47-0
18	387-10	16			78	11											13'-0	5		4								4	39.6	125PC  -	0 35	P.e.I'-G"	45P.e 2-	0 55P.e	1 6 12	SP. 61-0	149P.2 7		_			T				$\square$	, T	11 - 74 - 1	40-0
6?	387-1	5			72	28						T				10'-0	5 13-0											3'	00				45P.2 2-	9					t	-		1	T	<u></u>		11=2(3	× 20'-0" I	ILAW	38-0
63	386-3	- 12				46										9'-0	14'-0				1		<u> </u>					2'-					459.82-	ď					•				1			LLs.3	× 18-0" 1	11 1. 46.2	36.0
64	385'-6					-73	1						14	-6	7'-6'											125P.e 1-0							35P.e?-	đ				11 × 76	x 36-0	11.3	× 15-0	11.7	6×15'-0	Į		11 × 5	× 15'-0"	(Tx 7 ₁₆ )	36-0
65	384-8	-										1	1	1.6	9'-0'	TI	14'-0	691	169	95Pe1-0	45P.e	1-3	OSPIC I'-C	1198	e1-0"	ggre q'	4-4	0' 3'	-331				35P.8 2	ð		1	·	11× %	× 47-0	<b>л</b> п. 4	× 10'-0	" 11.s.tq	A 18-0	<u>₹</u> :=!	1	111.3	× 15-01	ILS NO.	36'-0
66	384-0										24'-0"					TT				1			1				4-0	o' ?'	-75				35P.e?-	ď		1					1					11 . 2	× 18'-0'	NO	NE
67	363-4	37	7-06	ידד:	6 7	1-5 6	16-6	17'-6	15	' <b>o'</b>	?4 ⁻ 0"+	17-0	>"+		1						1			T				16 3					25P.e.2-										•				× 18-0		NE
26	382'-8	16 7	17-076	<u>-77</u>	76 73	5-83	16-616	17-6	6 19-	0 5	24-0 ¹ 6	, 17'-0	16 1	6	9'-0	9'-0	>"   -	165	198	149.61-0	459.0	1-3	OSPel-G	IISP	el-0	GSP.eq	' 4'-c	3 3	-24	175P.e.1	0 59	Pe1-6	259.62	O SSP.	1-6 1	29281-0	LSPE	(* 11 ÷ ⁹ 16	×47-0	5 11 - 24	× 16'-0	)    × 2	× 18-0	11 . 16	×15-0	11 = 4	- 15-0	NO	NE

				Y.	OADWA	DUND R	AST BO	E	
	LOCATION	17	61	60	59	58	57	5	STRINGER LINE
- 4 H. BRG. 628.21	PIER 30-41	625.219	6/28.308	625.361	678.334	628.237	628.091	627.974	PIER II- & W.BRG.
PLICE * G G29. 12	EFIELD SPLK	629.127	629.215	629.200	629.242	629.145	628.998	678.887	E FIELD SPLICE
31 629.37	E PIER 31	629.574	629.463	629.536	629.469	629.392	629.246	629.129	EPIER 12
5PLICE *7 630.26	EFIELD SPLI	630.267	630.335	630.428	630.382	630.285	630.138	630.022	FIELD SPLICE
37 630.57	4 PIER 32	630.529	630.618	630.691	630.644	630.547	630.401	630.284	EPIEZ 13
SPLICE \$8 631.45	& FIELD SPLI	631.459	631.548	631.621	631.974	631.477	631.331	631.214	FIELD SPLICE 3
33 631.68	4 PIER 33	631.684	631.773	631.846	631.799	631.702	631.556	631.439	EPIER 14
SPLICE 9 632.47	EFIELD SPLI	632.479	637.568	632.641	632.594	632.497	632.351	632.234	+ FIELD SPLICE 4
54 637.83	4 PIER 34	632.059	632.928	633.001	632.954	632.857	632.711	632.594	PIER 15
SPLICE 10 633.00	& FIELD SPL								EFIELD SPLICE \$5
-4 E. BRG. 634.04	PIER 35-4								PIER IG - & E.BRG.

9	
** LENGTH GIVEN IS & TO & BEAN	15
ON THE HORIZONTAL.	

= 1						
DIAPH.		NO.REQ'D		DIAPH.	LENGTH	NO.REQD
D30	8-116	1		D49	7-4-4	1
D31	8-14	2		D50	7-316	1
D37	8-0g	I		D51	7'-3'8	I
D33	8-0%			D52	7'-3%	I
D34	8.04	1		D53	7-12	1
D35	7.102	1		D54	7-13	1
D%	7-10%	1		D55	7'-1"6	1
D37	7.10%	1		D%6	6-113	1
D38	7'-9"			D57	6-1175	1
D34	7-916	1		Dse	6112	1
D40	7'-9%	1		D59	6-10 ⁴	1
D41	7-796	1		DGO	6-10%	I
D42	<u>57'7</u>	I		DGI	6 10%	i
D43	7-776	I		D62	6.0%	1
D44	7'-5'2	1		D63	6-9	1
D45	7'-6'	1		D64	6-916	1
D46	7-616			D65	6-7%	1
D47	7-49			D66	6-716	
D48	7 4 3		l	D67	6716	
			-			

		1						
					_	TAB		E
DIAPH.	LENGTH	NO REOD		DIAPH.	LENGTH	NO REQD		Ē
D	7'-4"	10		Dis	8-4%	I		F
D,	9'-0'2'	ŝ		Dig	8-4 6	I		Γ
D2	7-42	8		Di7	8-1015	2		F
D3	6-676	IJ		Dib	8-1013		1	
D4	8-84-	2		Dig	8-98	1		ľ
09	7'-4"	96		D20	8-9%	2		
De	7'-4"	84		D21	8-776	1		r
D7	7-4%			D77	3-72	2		
Do	7'-4'4	!		D73	8-6%	2		Γ
D9	7-73			D24	8-63	1		Γ
Dio	7'-75			D25	8-44	2		Γ
DII	7'-9'2	1		D26	8-46	1		F
D12	7.93	1		D27	8-3%	1	1	Γ
DIB	8'-1'	1		D2B	8-34	I	1	
DIA	803	i	J.	Dzq	8-316	1	1	ſ
			-				-	

	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT E BEAM DATA - LOCATION 5	F.A.P. RTF.	SECTION	COUNTY	TOTAL	SHEET NO.
LIN ENGINEERING,LTD. Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2457	372	2013-039BP	соок	209	59
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	T NO. 6	0W76
	PLOT DATE = 3/22/2017 12:15:48 PM	CHECKED -	REVISED -		SHEET NO. SE-8 OF SE-36 SHEETS		ILLINOIS FED. A	ID PROJECT		

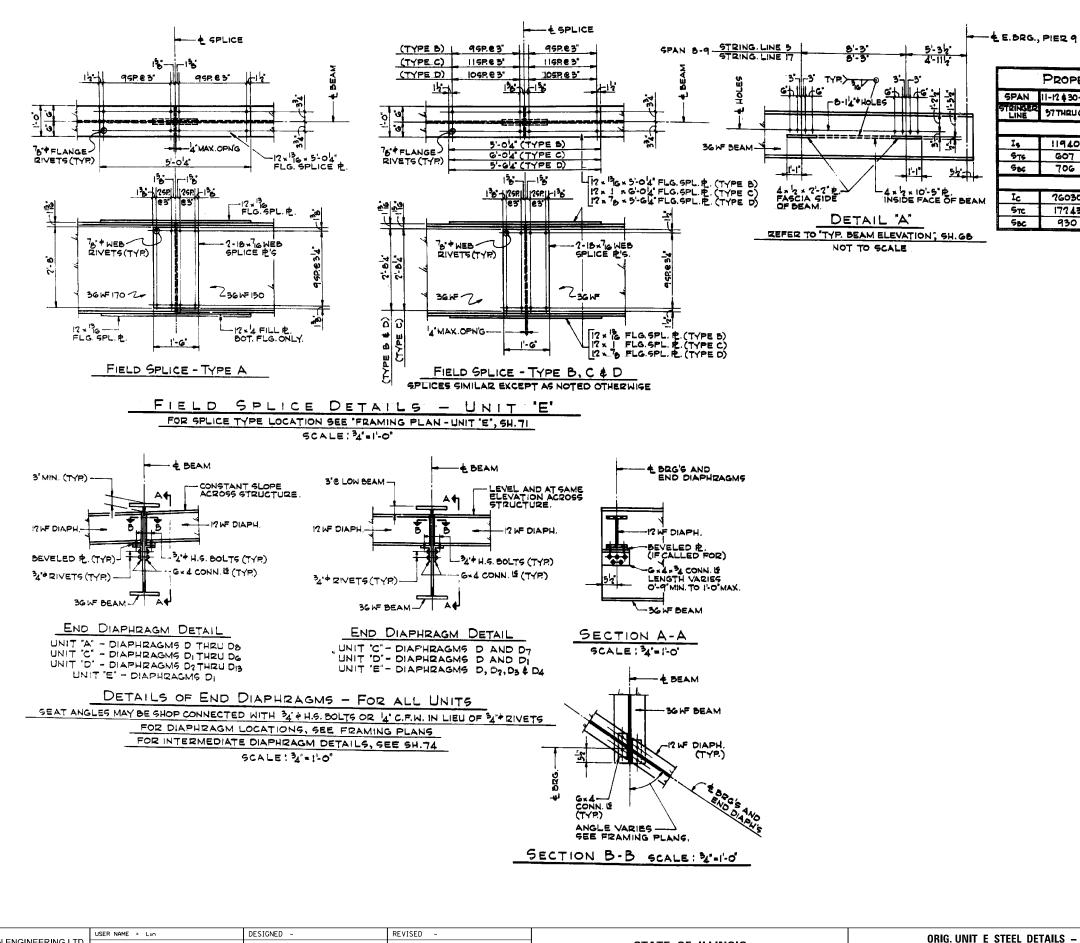
E

57 SHEAR CONN. SPACING - SEE "TABLE I"

-SHEAR CONNECTOR (TYP.) FOR DETAIL, SEE SH.63

-FIELD SPLICE - FOR TYPE & LOCATION SEE FRAMING PLAN, SH. 71. FOR DETAILS, SEE SH. 73.

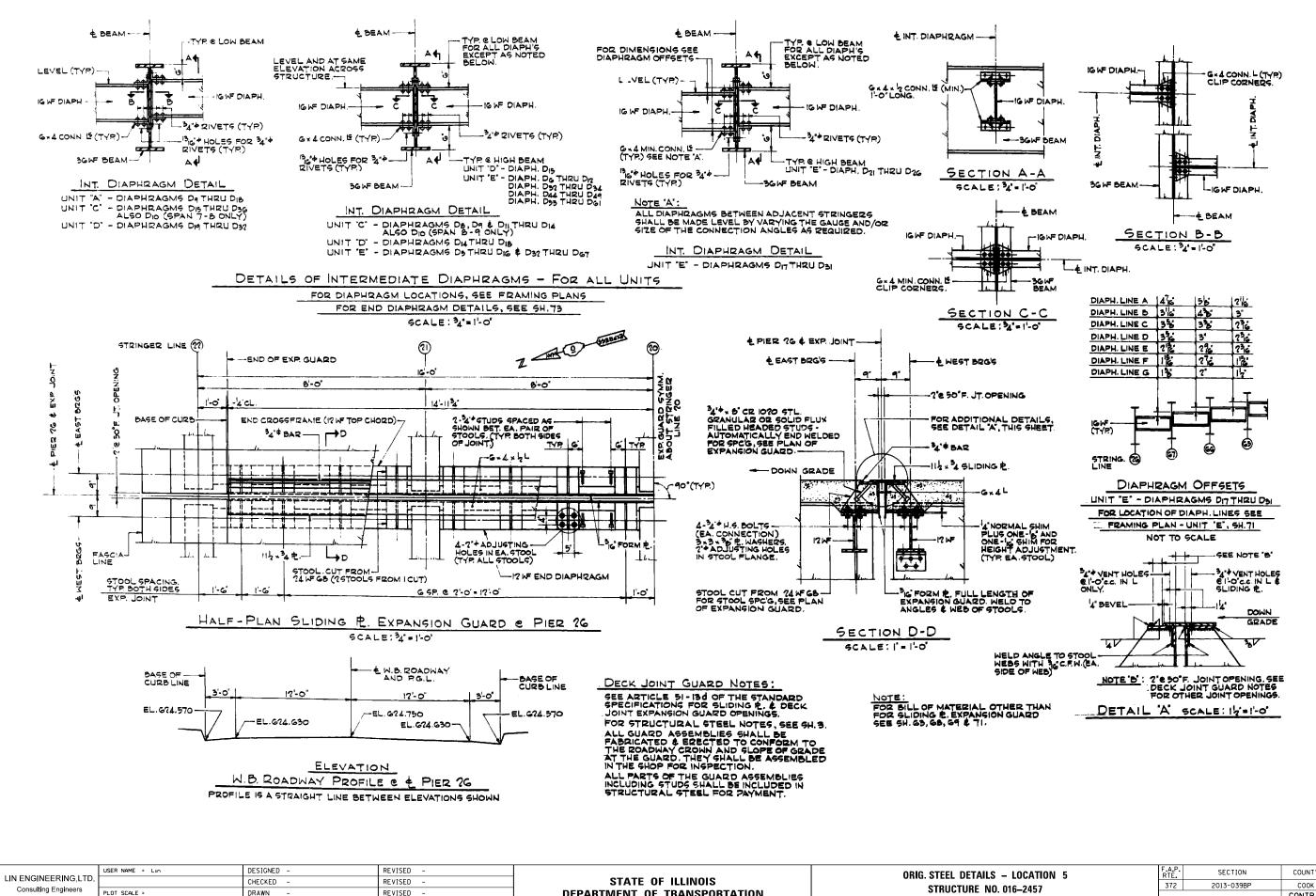
T "E							
	WEST	BOUN	D ROAL	YAWC			
6	62	63	G4	65	66	67	26
219	6/28.308	628.391	628.345	628.232	676.070	627.524	627.085
127	629.215	629.299	629.292	629. 140	628.855	628.547	628.294
374	629.463	629.546	629.500	629.387	629.136	628.860	628.633
267	630.355	630.439	630.392	630.280	630.148	629.985	629.853
529	630.615	630.701	630.655	630.542	630.413	630.253	630.122
459	631.548	631.631	631.585	631.472	631.351	631.199	631.077
684	631.773	631.556	631.810	631.697	631.578	631.478	631.308
			632.605				
839	632.928	633.011	632.965	632.852	632.745	632.604	632.494
094	633.183	633.266	633.220	633.107	633.001	632.863	632.756
024	634.100	634.17?	634.114	633.989	633.922	633.781	633.671



	USER NAME = Lin	DESIGNED - CHECKED -	REVISED - REVISED -	STATE OF ILLINOIS	ORIG. UNIT E STEEL DETAILS
Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 01
Springheid, minots	PLOT DATE = 3/22/2017 12:15:55 PM	CHECKED -	REVISED -		SHEET NO. SE-9 OF SE-3

PROPER	TIES - L	JNIT E	- 3 SPAN	CONTINUO	US E					
-12 \$ 30-31	30-31	15-IG	15-1G	15-16	15-16					
THRU GA	65,66,67	57,58	59,60,61	GI THRUGS	66,67					
	STEEL SECTION									
11940	12326	13237	12700	11940	10470					
607	613	678	619	607	579					
706	742	829	777	706	579					
	COM	POSITE S	ECTION							
26030	27099	୧୩୫୩୫	28151	26030	22140					
17243	17535	18199	17611	17243	16067					
930	975	1091	1022	930	767					

AILS – LOCATION 5	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
. 016–2457	372	2013-039BP	СООК	209	60		
. 010-2457		CONTRACT NO. 60W76					
SE-36 SHEETS		ILLINOIS FED. AI	D PROJECT				



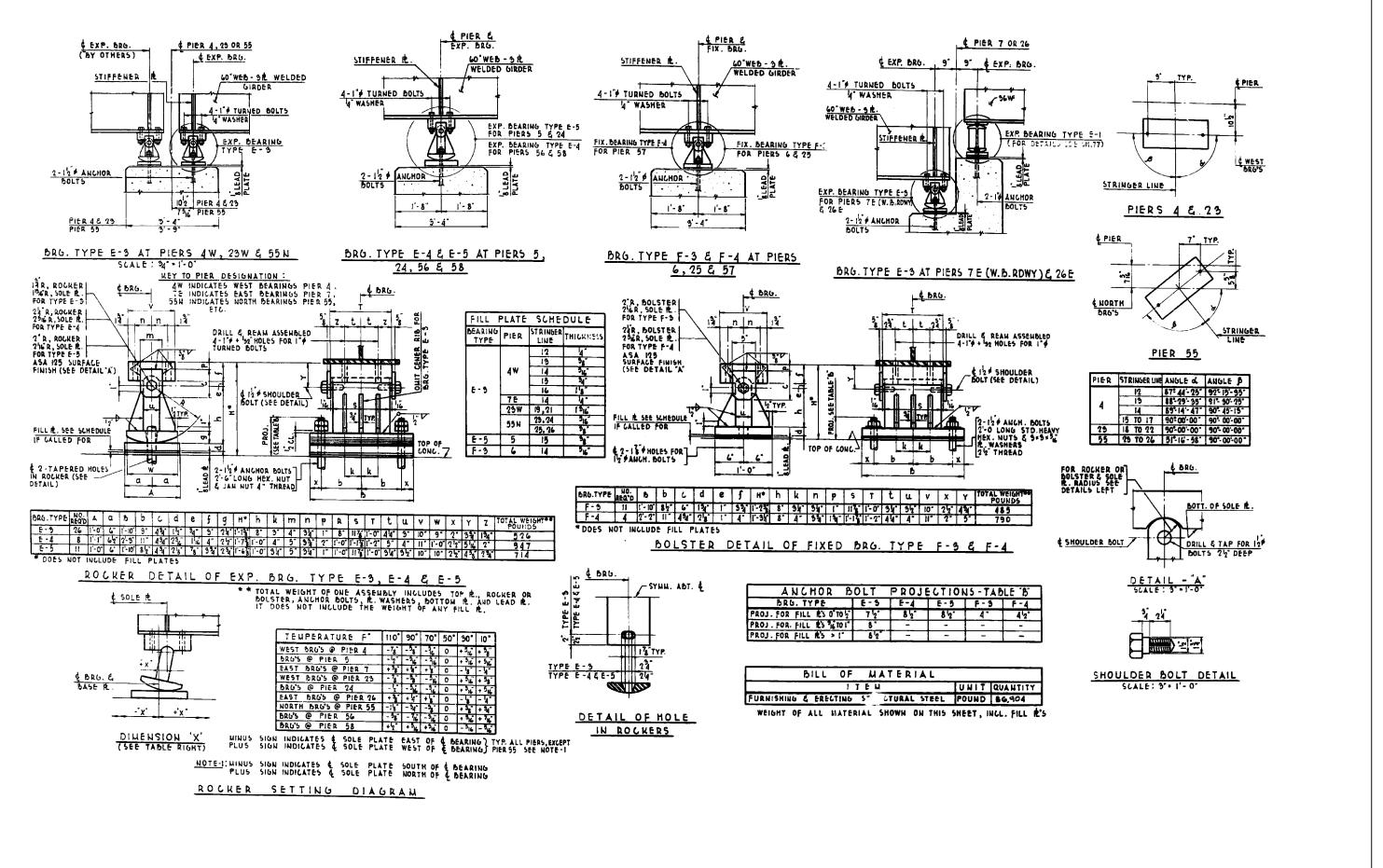
REVISED **DEPARTMENT OF TRANSPORTATION** SHEET NO. SE-10 OF S REVISED

Springfield, Illinois

PLOT DATE = 3/22/2017

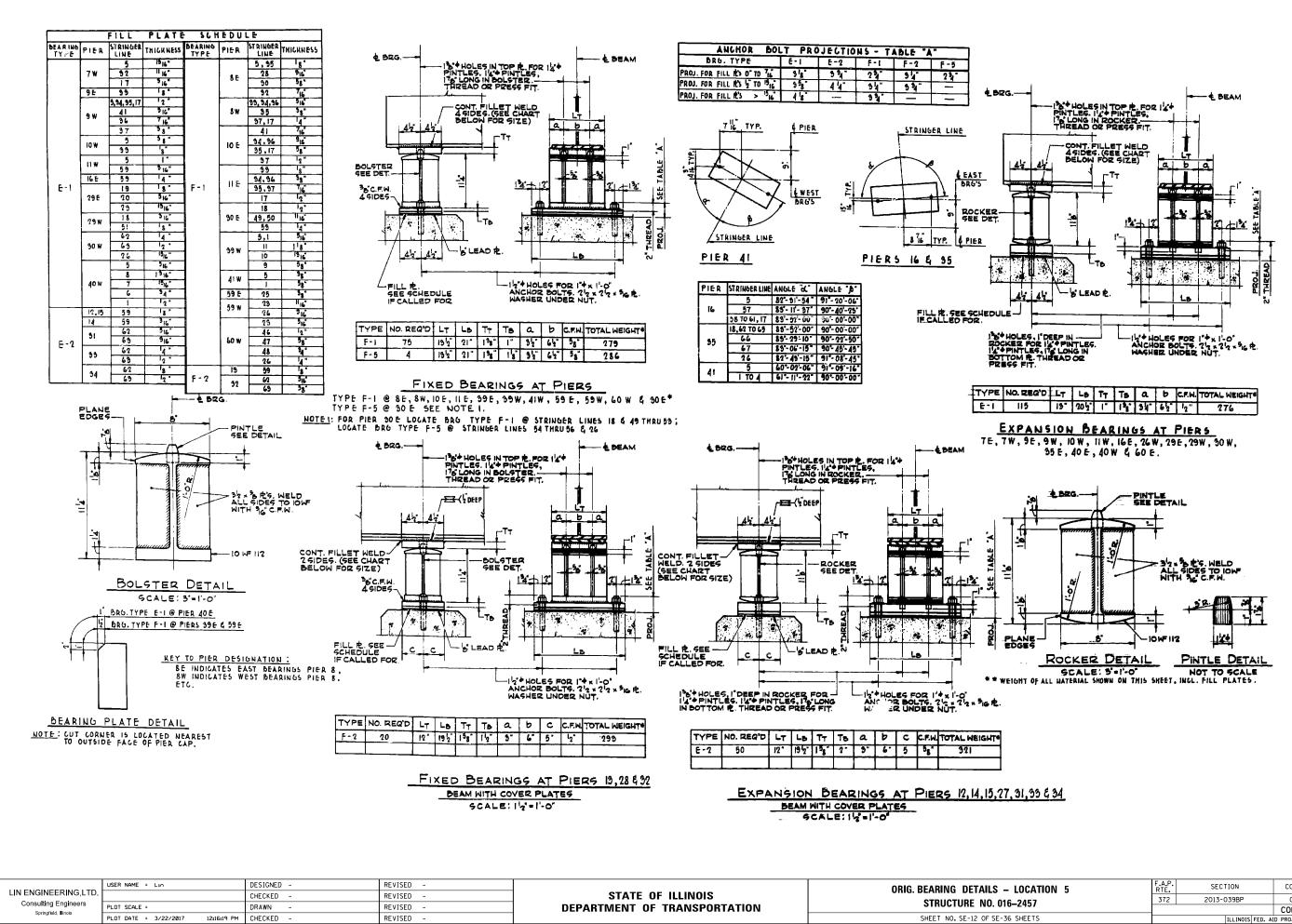
12:16:03 PM CHECKED -

– LOCATION 5	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–2457	372	2013-039BP	СООК	209	61
. 010-2437			CONTRACT	NO. 6	0W76
SE-36 SHEETS		ILLINOIS FED. AI	D PROJECT		

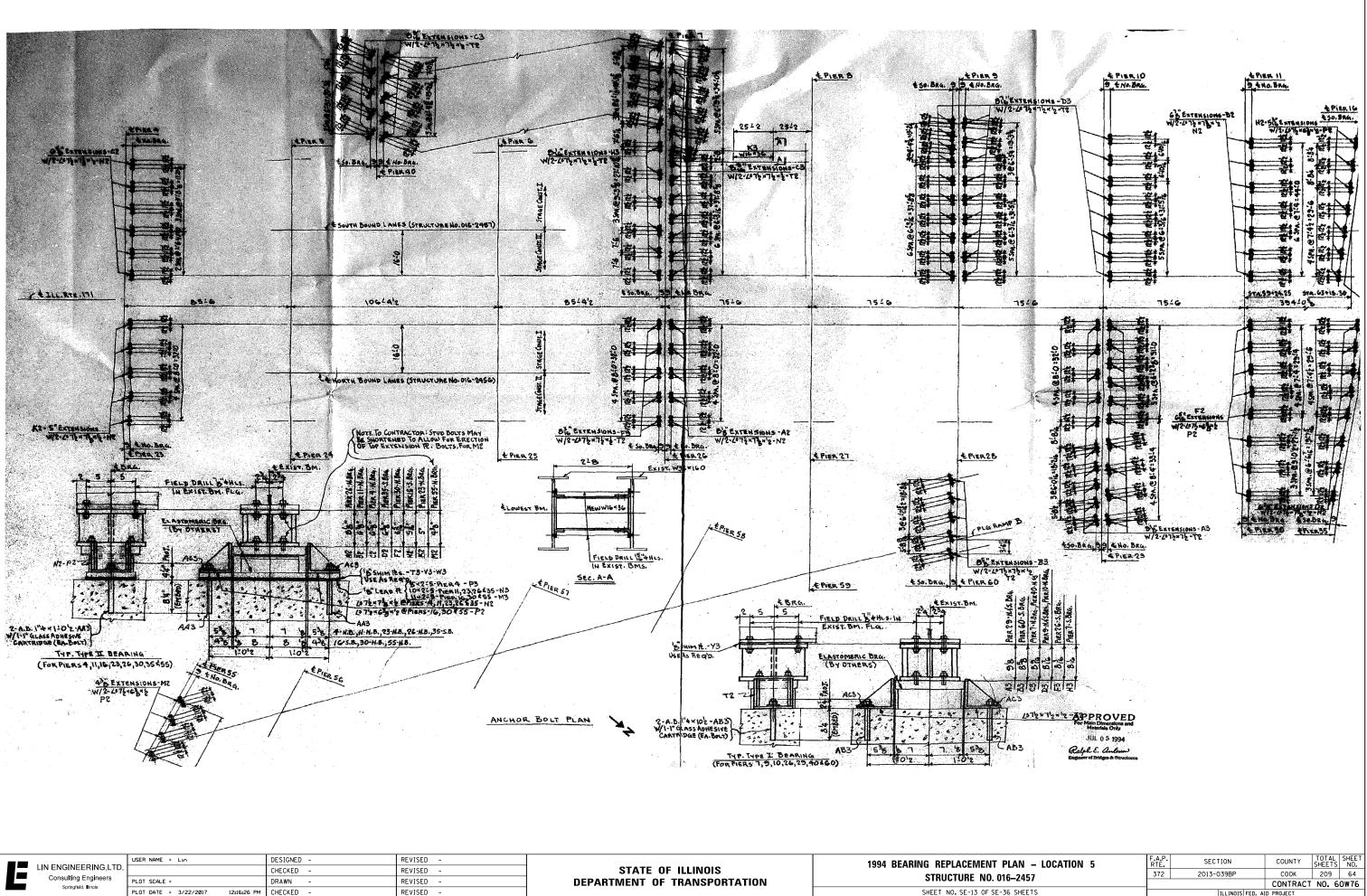


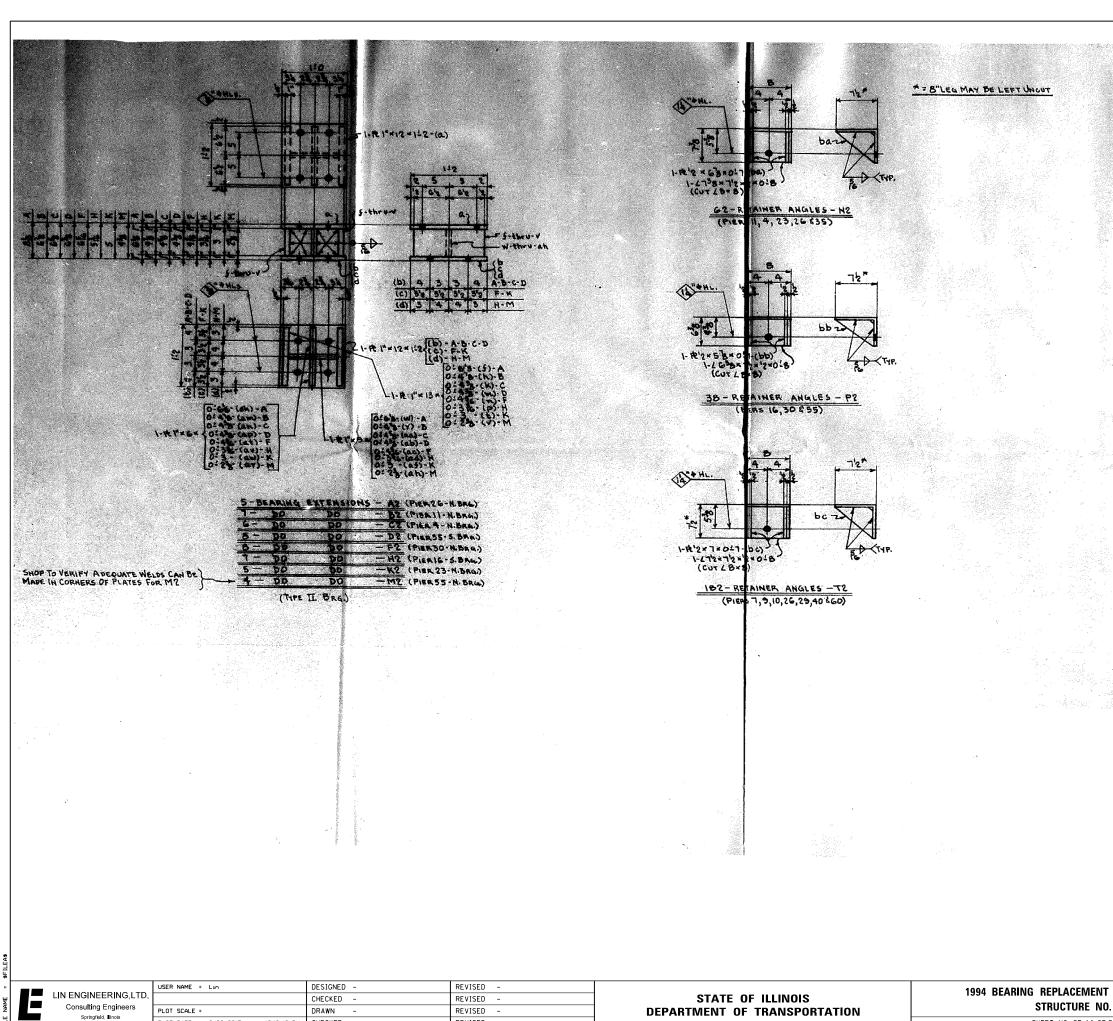
	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. BEARING DETAILS – LOCATION 5	F.A.P.	SECTION	COUNTY	TOTAL SHE	ΞT
LIN ENGINEERING,LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2457	372	2013-039BP	соок	209 6	
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		-		CONTRAC	T NO. 60W7	6
	PLOT DATE = 3/22/2017 12:16:11 PM	CHECKED -	REVISED -		SHEET NO. SE-11 OF SE-36 SHEETS		ILLINOIS FED. A	ID PROJECT		

NAME



S – LOCATION 5	F.A.P. RTE	SECTION	COUNTY TOT SHEE		SHEET NO.
. 016–2457	372	2013-039BP	СООК	209	63
. 010-2457			CONTRACT	NO. 6	0W76
SE-36 SHEETS		ILLINOIS FED. AI	D PROJECT		

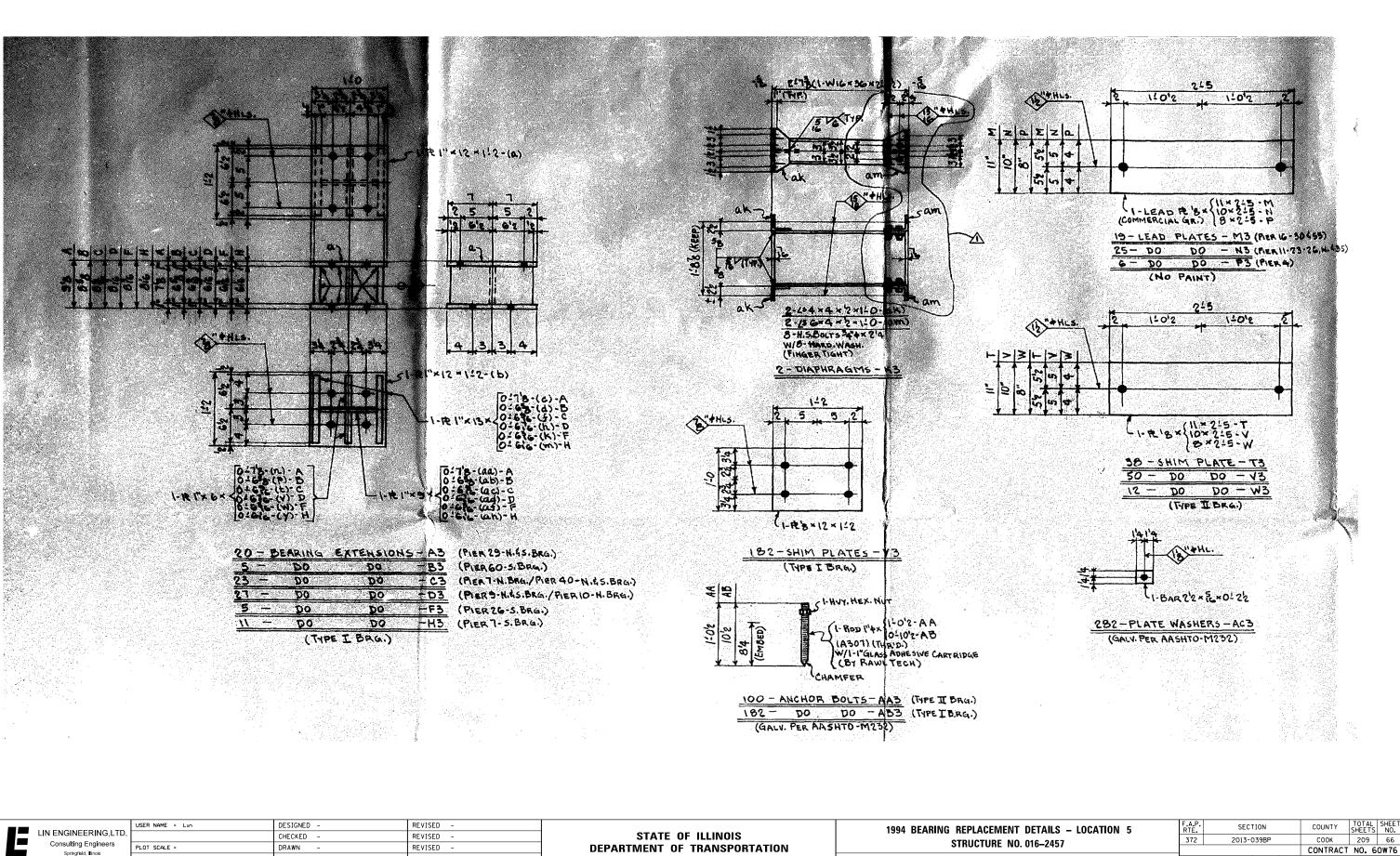




STRUCTURE NO. PLOT SCALE = DRAWN REVISED **DEPARTMENT OF TRANSPORTATION** Springfield, Illinois PLOT DATE = 3/22/2017 12:16:43 PM CHECKED -REVISED -SHEET NO. SE-14 OF SH

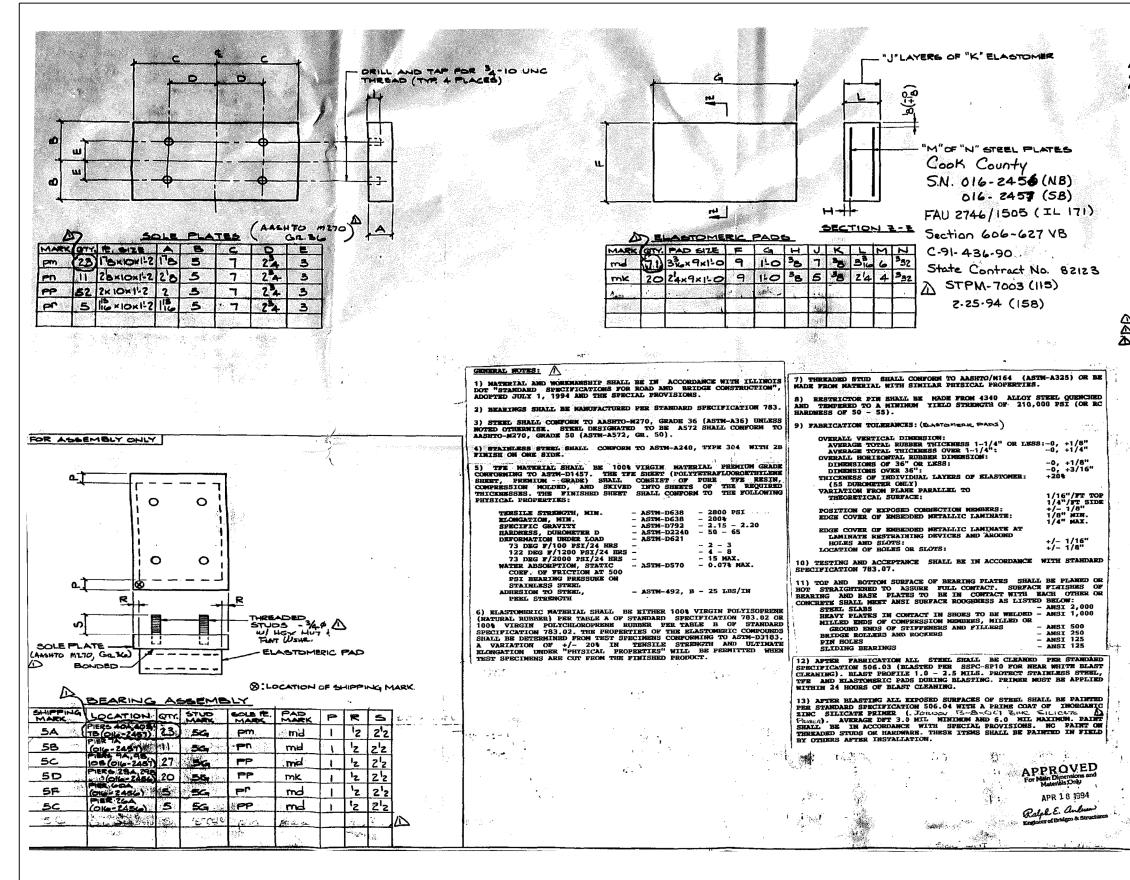
	2. 4. 19.2	-		BILL OF MATER	À.	•		
5-2	MARK NO.		NO, REQ'D	DESCRIPTION		67H	WEIGHT	
1	A2		1 1 . M. M. C. M. C.	BEARING EXTENSION	FT.	IN,		
-	<u></u>	-	5	R I" × 12	<u> </u>			
-		<u>а</u> Б	5	12 1" × 12	<u>+-</u> }	22	238.01	
		5	10	R 1" × 6'B	<u>+-</u> +-	1	238.01	
	-idii	Ŵ	5	12 1" × 6'8		•	74.0	5 //
	à	ak	10	R 1" × 6'8	0		104.12	
1	÷	- mn	1.0	15 1- 4 0-B		6	104.12	
	<b>B</b> 2		+	Reserve Europe			+	
-	06	-	+	BEARING EXTENSION		+		
10		B	┝╼╧╼	R			333.21	
			+ 1	12 1" × 4"8			533.21	
		<u>-</u> <u>y</u> -	<u> </u>	HE 1" × 4"B	1×	1	251.42	
12		Y	<u>├</u>		0	9	87.03	
		am	19	12 1"× 436	0	6	116.04	
14							ļ	
10	C2		6	BEARING EXTENSION		<b> </b>		
	in a co	a	6	<u> </u>			285.61	
17		ъ	6	R			285.61	
38.		K	13	12 1" × 458	1	1	204.42	
19		aa	6	12 1" × 4 58	0		70.76	
20		an	12	R 1"x 458	0	6	94,35	
31					1			
12	D2	L	8	BEARING EXTENSION	L			
23	i intera	a	8	R			360.81	
24		Þ	8	<b>R</b> .			380.5	
25		m	16	R 1"× 438		11	251.8	
26		40	8	R 1"x 4"8	0	9	89.25	
27		AP	16	1 1"x 438	0	6	119.01	1
28						-		
19	F2		8	BEARING EXTENSION			1	
30	7	a	B	ft.			380.51	1
31		C	8	R 1"× 12	1	2	380.61	· · · · · · · · · · · · · · · · · · ·
32		n	16	R 1" × 42	ti	1	254.17	*·
33		AC	8	12 1"× 4 56	0	9	87.98	
34		at	16	R 1"x 4 %	ő		117.31	
35			··· · · · · · · · · · · · · · · · · ·		- ×	h		
30	HZ		7	BEARING EXTENSION			<u> </u>	
37		a	1	R			333.21	<u> </u>
38		a	1	B 14 × 17	1	2	333.21	
39		P	14	B In x 3 Pc	11	Ň	164.35	
	Salar a	ad	1	E 14 × 12 E 14 × 3 %	0	9	56.04	
41	Shakara a	av	14	R  ** 3 %		6	15.84	
42	2017-02-03	99 - 199 1999 - 199	121 1818		1125	der die	1	
43	K2		5	BEARING EXTENSION	13、大人間に	100000	Contraction of the second	
44	1. 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 19 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	a	5	R.	0.007	100	258.01	All and a second se
45		č	5		1000	1449	238.01	
4		ť	10	R R I"x 3	3603 	17		na sector de la companya de la comp La companya de la comp
47		af		1 1 × 3			110.5	<u> Andrea de la Calificación de la C</u>
	1. <u>1. 1. 1.</u>	an	10	た 1 × 3	0	9	38.25	and a second s
47		CA VO	10		0	6	31.0	* 2014
	M2	<u>, , , , , , , , , , , , , , , , , , , </u>	4	Real and Real and a second second				
51	112	-	4	BEARING EXTENSION	<u>ا</u> ست ا			2
52		<u>a</u>		STAR STAR SALES	···· ·		190.41	
-		d	4	<u>.</u>		-	190.41	
93		V	8	R 1" × 238	1	1	69.98	6.0
54		ah	4	1 I'X 236	0	9	24.22	
55		ay	<u>8</u> .	R 1" × 238	0	6	32.3	
56 ;		8-22-2	1. S. 1. S. 1.	19 Martin Martin			8 X	1. 1. State 1. 1. 1. 1.
	NS	S	62	RETAINER ANGLE			Śwa taja t	R. M. C. S. S. L. L. S.
58		-2009	62	2 136×712×12	0	8	1521,71	CUT 8+84 683
59	Special de	ba	124	R 12 × 678	0	٦	422.69	do
••	Sale Care a	si can	145 1988		i siai	2012	Stranger Sta	State of the second second
61	P2	der en En Esta	38	C GIB + TIZ +12	Acres	and the second		Alexandre Prince
42	253336954	Sec. 18	38	L 638 = 712 = 12	0	8 7	869.96	CUT 8×84 GEZ
63	later of the grand	ЪР	12	R12×518	0	ា	2264	de la companya de
4		-38 B	SHOLD!		4838	Sec.	Contraction of Mage	
65	72	0.233	182	RETAINER ANGLE	25	1.42	Section Sec.	1948 - 1. J. A. S.
		<u>1998</u>	182	2 1'8 × 1'8 × '2	0	8	4504.5	CUT 8+84 GR3
	6-5858	ьс	364	R 12×7	0	<b>٦</b>	1263.3	do
58	Sec. Sec.	West States		Charles Martines . The server		5 CT	Contact Sciences	1944 - 5 - 5

DETAILS – LOCATION 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2457	372	2013-039BP	СООК	209	65
010-2457			CONTRACT	NO. 6	0W76
E-36 SHEETS		ILLINOIS FED. A	D PROJECT		



NAME =	LIN ENGINEERING,LTD.		DESIGNED - CHECKED - DRAWN -	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	1994 BEARING REPLACEMENT D STRUCTURE NO. 0
2	Springfield, Illinois	PLOT DATE = 3/22/2017 12:16:59 PM	CHECKED -	REVISED -	DEFARIMENT OF TRANSFORTATION	SHEET NO. SE-15 OF SE-

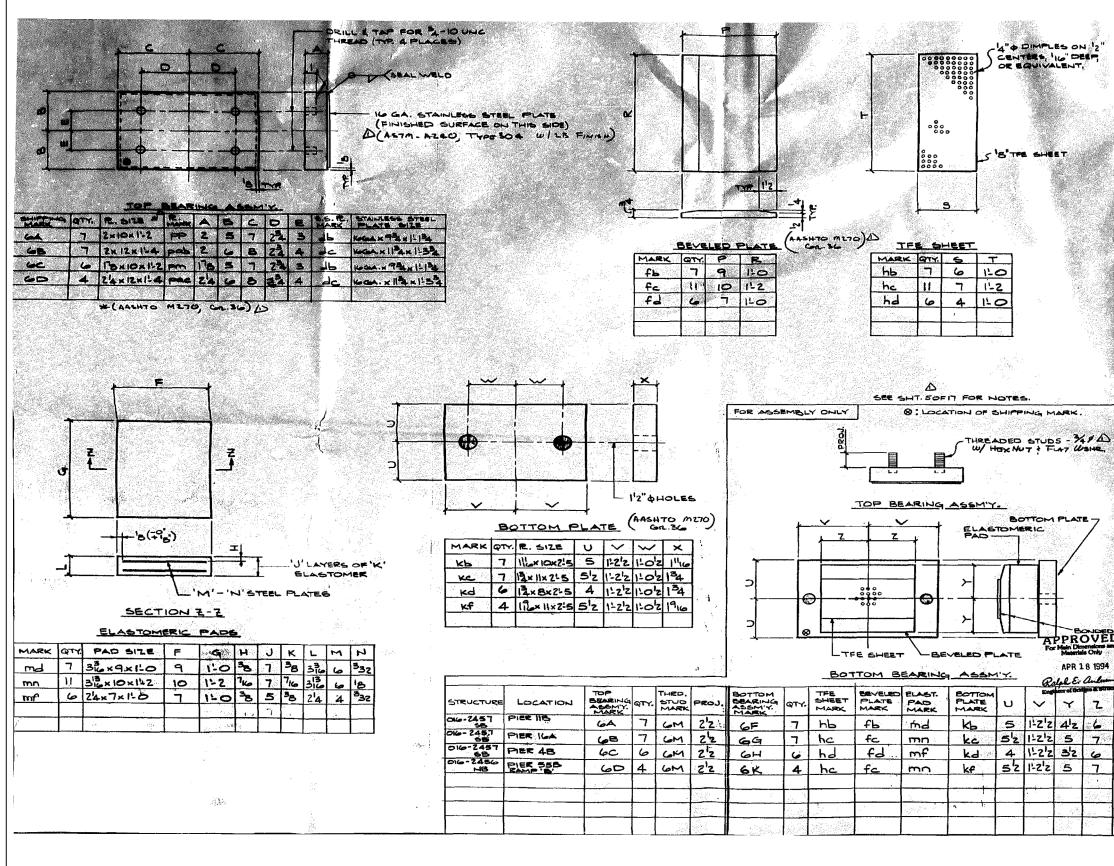
SE-36 SHEETS



~ I						
- · [		USER NAME = Lin	DESIGNED -	REVISED -		1994 BEARING REPLACEMENT DETA
¥			CHECKED -	REVISED -	STATE OF ILLINOIS	
A	Consulting Engineers	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2
픧	Springfield, Illinois	PLOT DATE = 3/22/2017 12:17:17 PM	CHECKED -	REVISED -		SHEET NO. SE-16 OF SE-36 S

	1.1	······································	( <u> </u>	Γ			
S KO	<b>1</b>	DESCRIPTION	LENGTH	мк	Remarks	WOHT.	
	23	BEARING ASSMIY.	- 5A		P		
1	23	PL 178 × 10	1-2	PM			
513	23	DEARING ASSM'Y, PI 18 × 10 IP 306 × 9	110	mid			
	Signer . e-						
5			l	1			
6				1			
Ø	11	BEARING ALEMY	- 58	1	P	<u> </u>	<b></b>
8	Ϊ	PL ZIBXIO	- 58	Pr		1	<b></b>
	- iii	LP 3 16×9	1-0	md		<u> </u>	t
10				1			<del> </del>
11							
0	17	READING ACCUANT	56	<del> </del>	8		
13	12	BEARING ASSMY	1-2	PP	· · · · · · · · · · · · · · · · · · ·		
14	27	LP 3316×9	1:0	md			
15	一般的男		<u> </u>	17162			
18	2299922 1999	na Thalan is ann					
9	100				P.		
Ĭ	20	BEARING ASSMY	<u>50</u>				
18			1:0	mK		<b> </b>	
	- 20		<u> </u>	1111			
20 21	1.54						
7		BEARINKE ABSMY		<b> </b>	*		
23	3	DI UB			P		
23	5	PL (1316 10 LP 336 19	1-2	6	·		<u> </u>
	<u> </u>		1-0	md		l	
25			<b>├</b> ────	<u> </u>			
26				<b> </b>			
ť.	· · · · ·		<b> </b>	1			
28			<u> </u>	<b> </b>			
29		the second s		Cita et			
30							_
31							
32		and the second					
33							
34							
35							
36				1			
37							
34		· · · · ·	1				
38		ga .	T	1		1	<b>—</b>
40	ann	and the second	<b></b>	1	t	t	<b> </b>
41			1. <u>1. 1. 1</u> .	. 8 1	.26.		
		5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					
42				<b></b>			
43 44				<b>  </b>			_
				· · · · ·			
45				· · ·			
48							
47							_
48							
49							
50				<b></b>			
51		· · · · · · · · · · · · · · · · · · ·	1				
52							
53		FIELD BOLTS		<u> </u>			
E	360	RB 4 CONT. THED. ROD AS	50-32	56	8		20
56	A. A.					I	
$\mathbb{S}$	360	HN 34 HVY. ASCODH			в	1	360
Ū	3.0	FW 74 F436			6		560
58	141						
	1						
58							
58 80	$\Delta$	APPROVAL CHANG	-			4/11/74	497

DETAILS – LOCATION 5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2457	372	2013-039BP	СООК	209	67
010-2437			CONTRACT	NO. 6	OW76
E-36 SHEETS		ILLINOIS FED.	ID PROJECT		

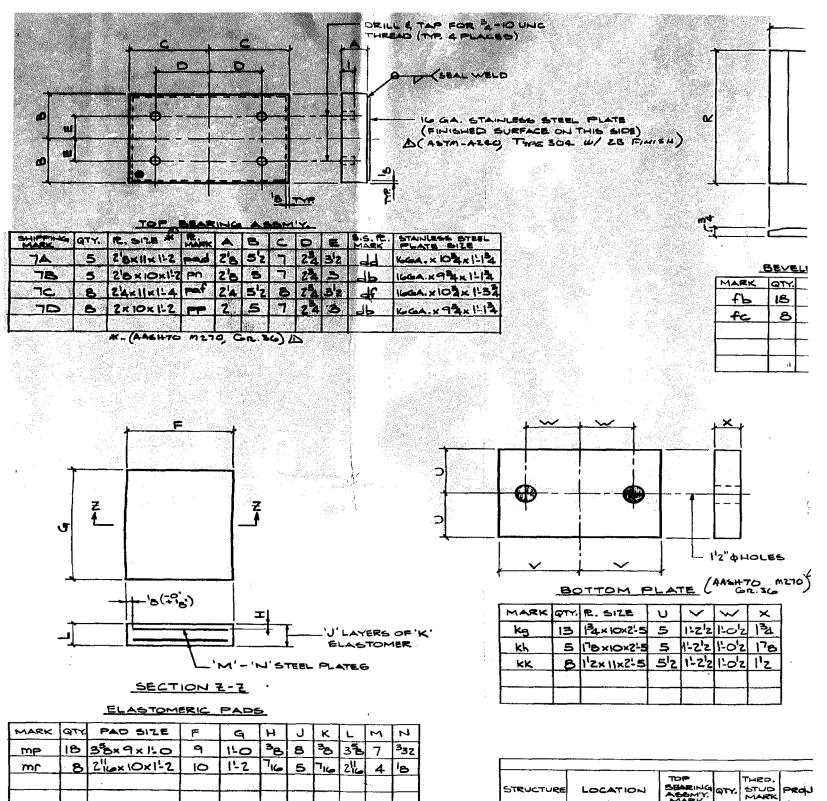


		USER NAME = Lin	DESIGNED -	REVISED -		1994 BEARING REPLACEMENT D	
▏▋▇▁▕▕			CHECKED -	REVISED -	STATE OF ILLINOIS		
	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 01	
	opringinata, minora	PLOT DATE = 3/22/2017 12:17:33 PM	CHECKED -	REVISED -		SHEET NO. SE-17 OF SE-3	

NAME

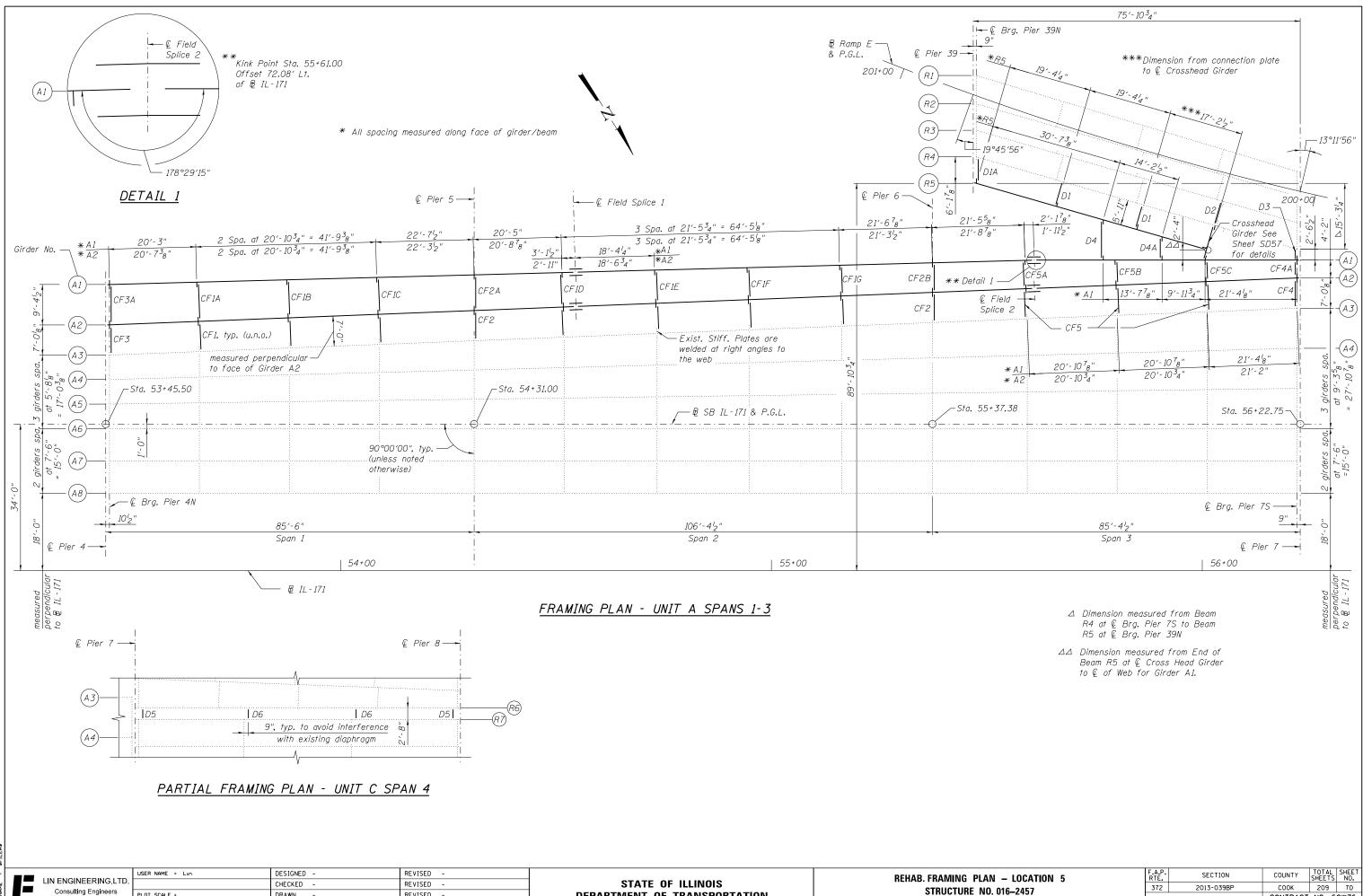
NO, REGIO	DESCRIPTION	LENGTH	мк	REMARKS	WOHT.	
-	TAR BEARING AREAN					+
÷	P1 7 10	1-2	PP		-	+
7	PL WGA SEBOALS 94	1-1-4	115	SEE NOTE 4	1	1
La i						
1				P		
		1-2	Pab			+
		1-574	1 <u>9</u> C	DEE NOTE 4		╋
					+	+
6	TOP BEG. ASSMY	- GC		2	1	
6	PLIBEIO	1-2	Pm	<b>7</b>	1	
4	TL KeGA. 8520428×934	1-1-4	dP	DEE NOTE 4		
4	at strategies.		<u>.</u>	4	<u> </u>	
<u> </u>						
	PI 214 -17			P		+
	PL KoGA, 568-478 - 1184	1-34	1	SEE NOTE 4	1	+
			t jagens son		1	T
	and conditions	â,d		agi-		
	and a standard and a standard a st	196		- 100. 	1	
	1. 1. Salah (Marine)					1
	and the second secon	<u>1</u>		}	ł	+
			+		f	+
	• • • • • • • • • • • • • • • • • • •	1	t		<u> </u>	+
7	BOTTOM BEARING ASSA	1'Y- COF		P	1	
7	P BAY 9	11-0	fb			
7	PL INGXIO	215				
		1-0		2		1
7	MI '8×6 TFE	1-0	hb.	SEE NOTE 5	<u> </u>	<b> </b>
						1
	BOTTONA BEG. A St	1	100	2	t	1
7	PL AXIO			14 - 11		
7			KC			
7	LP 3196×10	1-2		i di		
7	MI 'OXT THE	11-2	hc.	SEE NOTE 5	<u> </u>	
and d		n de c	50	1		
	BOTTOM BRG. ASEN	1'Y- 6H	1			
<u>و</u>	134		ffe		1.2000	
<u>ي</u> ما	P 74 27					
6	MI BXA THE			SEE MOTE 5	<u> </u>	
1945	TRANSPORT DE LA COMPANY				1	1
dar (m)	and the second second second	· · · ·		24		
4	BOTTOM BEG, AS	5M'Y	6K	ę.		
4		1-2	fc		ļ	
4	PL 19 Ko × 11 LP 313 Ko × 10	2:5	kf_	ļ	<b> </b>	<b> </b>
§2 Q	MI '8×7 TEE	1-2	he	A #8 1	<u> </u>	<b> </b>
				SEE NOTE 5	L	
4	MI 'BX7 TFE	1-2	LUC-			
4		<b></b>				
4	FIELD BOLTS					
4						96
4	FIELD BOLTS		Σ Σ	6		
4	FIELD BOLTS		S Z	6 6		96
4	FIELD BOLTS		Σ Σ	6		91 96 96
4	FIELD BOLTS		S Z	6 6		96
4	FIELD BOLTS	s 0:-3 ¹ 2	S Z	6 6		96
	3 444 PPT 77777 7777 3333 44	7 PUZ XIG 7 PUZ XIG 7 TOP SEG, ASSM'Y, 7 PUZXIZ 7 PUZXIZ 7 PUZXIZ 7 PUZXIZ 7 PUZXIZ 7 PUZXIZ 4 PUZXIZ 4 PUZXIZ 7 PU	7 PL 2 × 10 7 PL 2 × 10 7 PL 2 × 10 7 PL 2 × 12 7 PL 12 × 10 4 PL 2 × 12 4 PL 2 × 12 7 PL 2 × 12 7 PL 2 × 12 112 4 PL 2 × 12 112 4 PL 2 × 12 112 4 PL 2 × 12 112 7 PL 2 × 12 112 4 PL 2 × 12 112 4 PL 2 × 12 112 4 PL 2 × 12 112 7 PL 2 × 12 112 112 112 112 112 112 112	7       PU2×10       1-2       PF         7       PU2×10       1-1       1-1       1-1         7       PU2×12       1-2       Pk         6       TOP       BCG. ASSM'Y GC       GC         6       TOP       BCG. ASSM'Y GC       GC         6       TOP       BCG. ASSM'Y GC       GC         4       TDP DEG. ASSM'Y GC       1-2       Pm         4       TOP       BCG. ASSM'Y GC       GC         4       FL 664.3550428x   %4       1-3       Acc         4       FL 664.3550428x   %4       1-3       Acc         7       PL-34x 9       1-0       Fb         7 </td <td>7     PL 2 x II     II-2     PP       7     PL 660A, 5500425x934     II-134     Jb     SEE NOTE 4       7     PC 7 2 x IZ     II-2     PAD       7     PL 66A, 5500425x1134     II-2     PAD       7     PL 66A, 5500425x1134     II-2     PAD       7     PL 66A, 5500425x1134     II-2     PAD       6     TOP     BEG, ASSMY-GC     P       6     TOP     BEG, ASSMY-GC       7     PL 66A, 5500425x113x 734     II-134       9     SEE NOTE 4       4     TOP 28G, ASSMY-GC     P       4     TOP 28G, ASSMY-GC     P       4     TOP 28G, ASSMY-GC     P       7     PL 24x12     II-2       9     DOTTOM 88ARING ASSMY-GP     P       7     PL 34x9     II-0       7     PL 34x9     II-0       7     PL 34x10     II-2       7     PL 34x10     II-2       7     PL 34x10     II-2       7     PL 34x10     II-2       7     PL 34x10     II-2</td> <td>7       PL 2 X 00       1:2       PP         7       PL 46A, 5500425X94 1:184       Jb       SEE NOTE 4         7       PL 2 X 12       1:2       PA         6       TOP BEG: ACSM'Y - GC       P         6       TOP BEG: ACSM'Y - GC       P         7       PL 2 X 12       1:12       PM         6       PL 10 X 10       1:2       PM         6       PL 2 X 12       1:4       PAC         7       PL 2 X X 12       1:4       PAC         4       PL 2 X X 12       1:4       PAC         7       PL 2 X X 12       1:4       PAC         7       PL 3 X 10       1:5       P         7       PL 3 X 10<!--</td--></td>	7     PL 2 x II     II-2     PP       7     PL 660A, 5500425x934     II-134     Jb     SEE NOTE 4       7     PC 7 2 x IZ     II-2     PAD       7     PL 66A, 5500425x1134     II-2     PAD       7     PL 66A, 5500425x1134     II-2     PAD       7     PL 66A, 5500425x1134     II-2     PAD       6     TOP     BEG, ASSMY-GC     P       6     TOP     BEG, ASSMY-GC       7     PL 66A, 5500425x113x 734     II-134       9     SEE NOTE 4       4     TOP 28G, ASSMY-GC     P       4     TOP 28G, ASSMY-GC     P       4     TOP 28G, ASSMY-GC     P       7     PL 24x12     II-2       9     DOTTOM 88ARING ASSMY-GP     P       7     PL 34x9     II-0       7     PL 34x9     II-0       7     PL 34x10     II-2       7     PL 34x10     II-2       7     PL 34x10     II-2       7     PL 34x10     II-2       7     PL 34x10     II-2	7       PL 2 X 00       1:2       PP         7       PL 46A, 5500425X94 1:184       Jb       SEE NOTE 4         7       PL 2 X 12       1:2       PA         6       TOP BEG: ACSM'Y - GC       P         6       TOP BEG: ACSM'Y - GC       P         7       PL 2 X 12       1:12       PM         6       PL 10 X 10       1:2       PM         6       PL 2 X 12       1:4       PAC         7       PL 2 X X 12       1:4       PAC         4       PL 2 X X 12       1:4       PAC         7       PL 2 X X 12       1:4       PAC         7       PL 3 X 10       1:5       P         7       PL 3 X 10 </td

DETAILS – LOCATION 5		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016–2457	372	2013-039BP	СООК	209	68
010-2437			CONTRACT	NO. 6	0W76
E-36 SHEETS		ILLINOIS FED. A	D PROJECT		



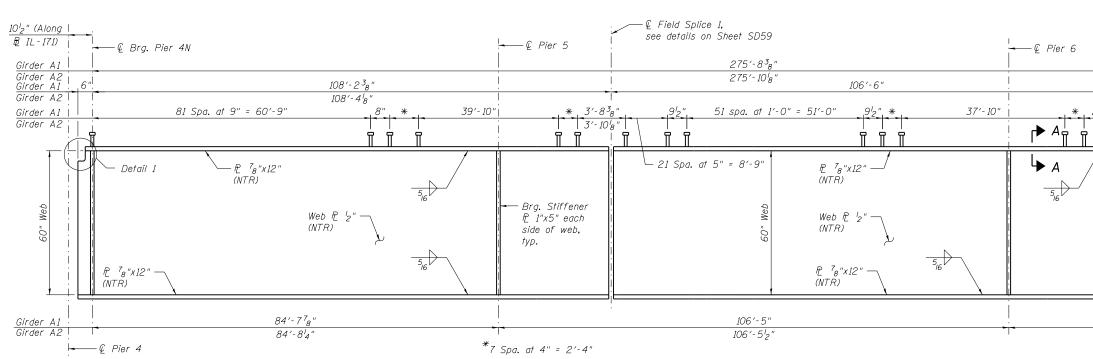
STRUCTURE	LOCATION	TOP BEARING	977.	THED.	PRO
016-2456	PIER 238	TA	5	TK	Z'Z
016-2456		78	5	ЛK	Z'z
016-2456	PIER BOB	74	8	7K	212
016-2456	PIER 35A	٦D	8	7K	Z'2
					s.,
		1		1	

<b>*</b>										
" <b></b>		USER NAME = Lin	DESIGNED -	REVISED -		1994 BEARING REPLCAEMENT DETAILS – LOCATION 5	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
HAME I			CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	СООК	209 69
St L	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2457			-	CT NO. 60W76
	opringinaia, ininoia	PLOT DATE = 3/22/2017	12:17:50 PM CHECKED -	REVISED -		SHEET NO. SE-18 OF SE-36 SHEETS		ILLINOIS FED.	AID PROJECT	



E	LIN ENGINEERING, LTD.	USER NAME = Lin	DESIGNED - CHECKED -	REVISED - REVISED -	STATE OF ILLINOIS	REHAB. FRAMING PLAN -
	Consulting Engineers Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016-
	Springheid, Illinois	PLOT DATE = 3/22/2017 12:18:10 PM	CHECKED -	REVISED -		SHEET NO. SE-19 OF SE-36

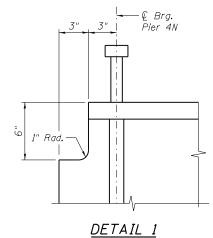
E-36	SHEETS



## GIRDER A1 & A2 ELEVATION

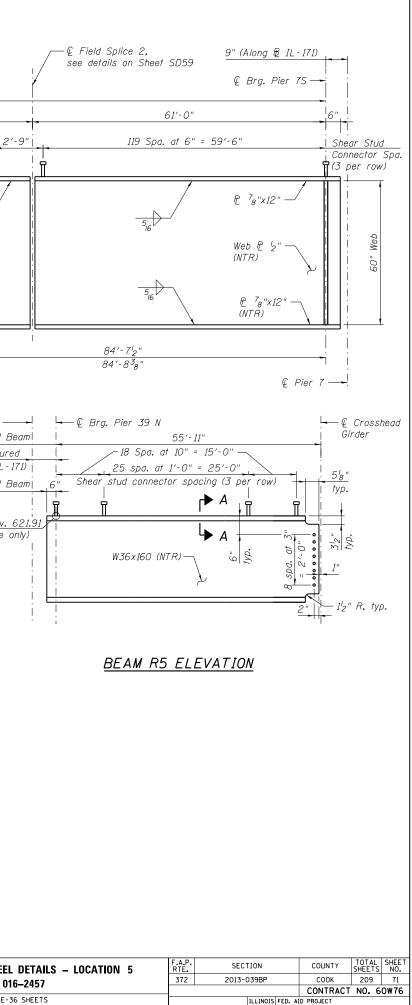
(All dimensions measusred along  ${\it Q}$  of Girder, unless noted otherwise)

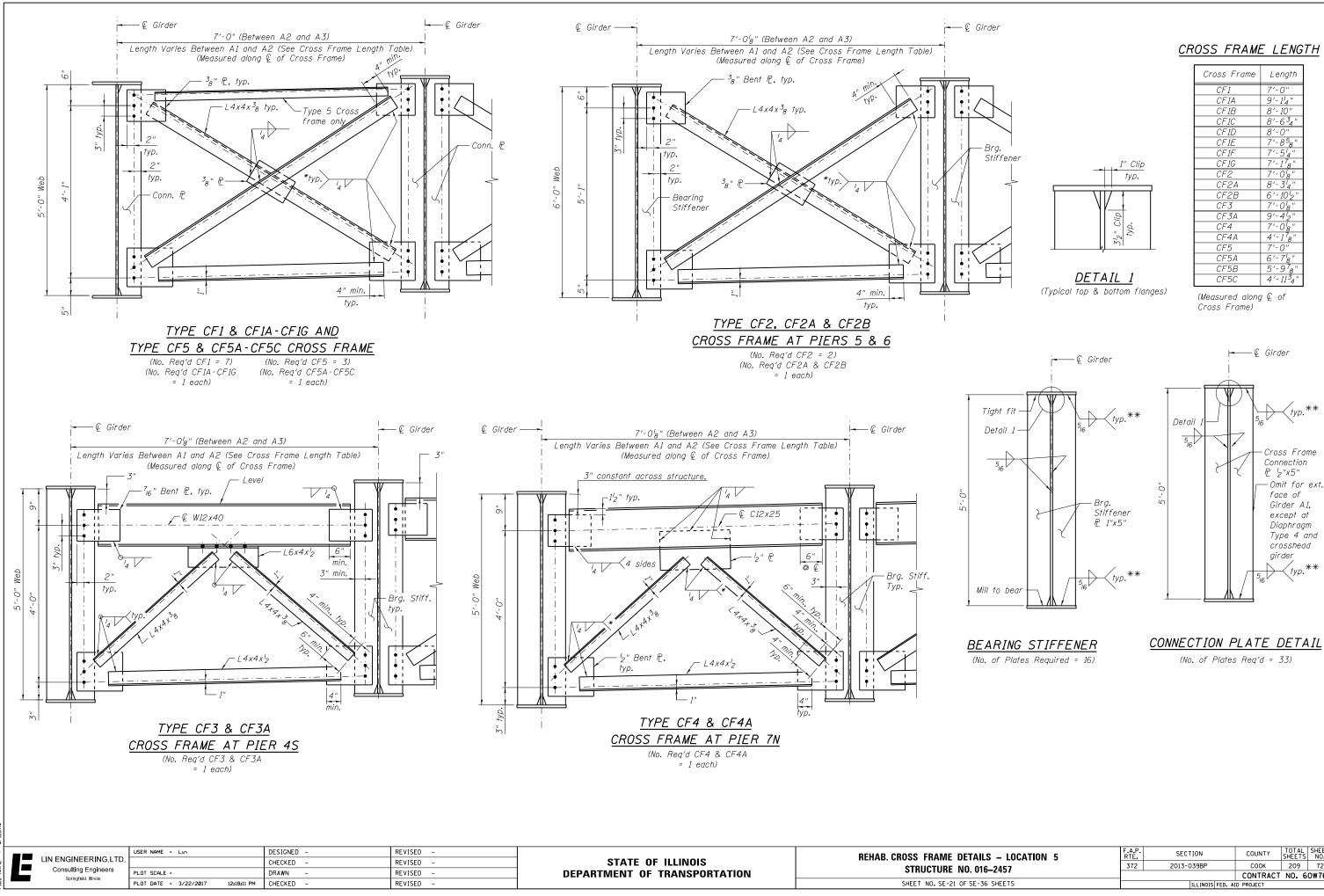
> Top of Flange Elev. 621.91 (For fabricator use only)



(Cope Girders as shown)

₩							
[		USER NAME = Lin	DESIGNED -	REVISED -		REHAB. GIRDER ELEVATION & STEE	
¥	LIN ENGINEERING,LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS		
Ā	Soniouning Engineere	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 010	
븶	Springfield, Illinois	PLOT DATE = 3/22/2017 12:18:11 PM	CHECKED -	REVISED -		SHEET NO. SE-20 OF SE-36	

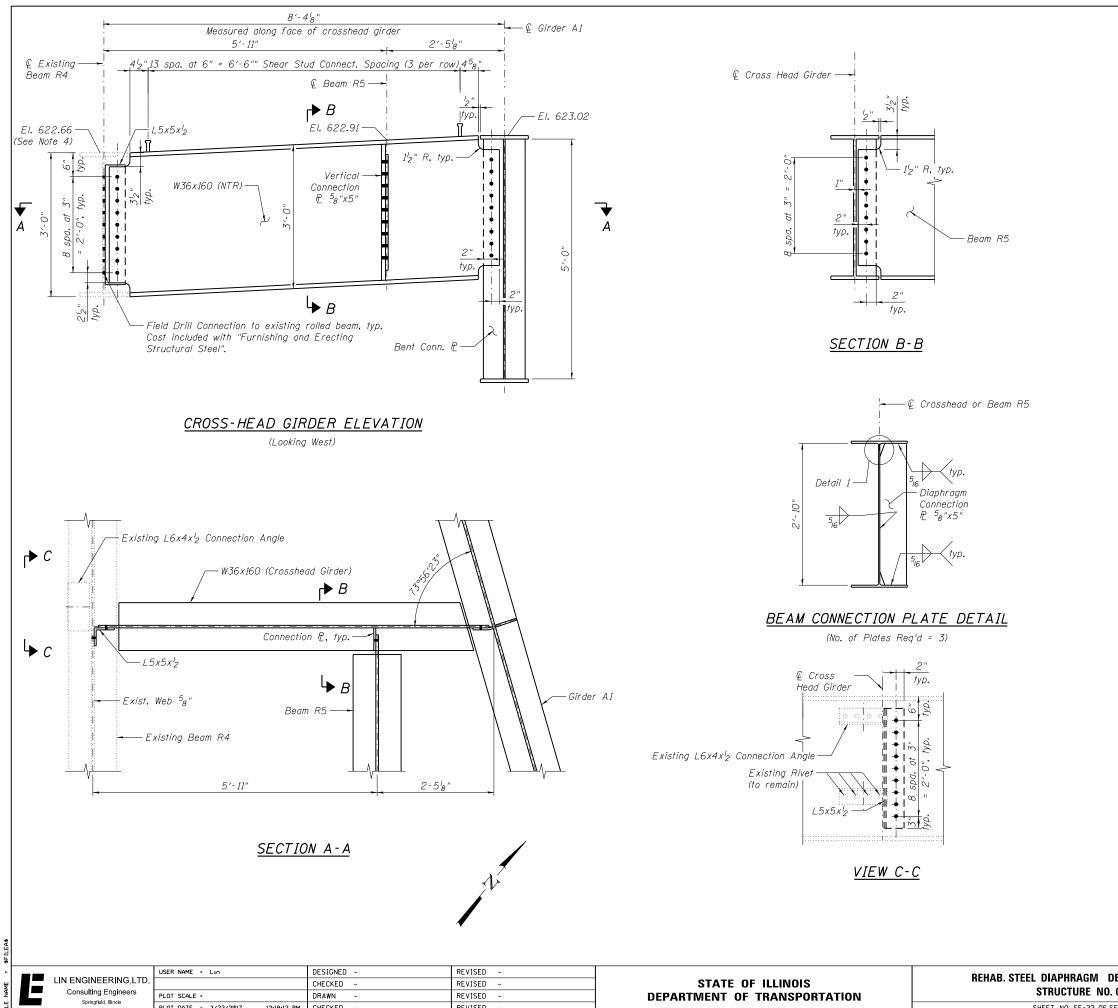




	2	~	∕— Brg. Stiffener Æ 1"x5"	5'-0"
Mill to bear -			5 ₁₆	

CONNECTION PLATE DETAIL

AILS – LOCATION 5	F.A.P. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
016-2457	372	2013-039BP		СООК	209	72
010-2457				CONTRACT	NO. 6	0W76
E-36 SHEETS		ILLINOIS	FED. AI	D PROJECT		

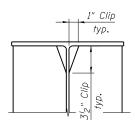


REVISED -

PLOT DATE = 3/22/2017

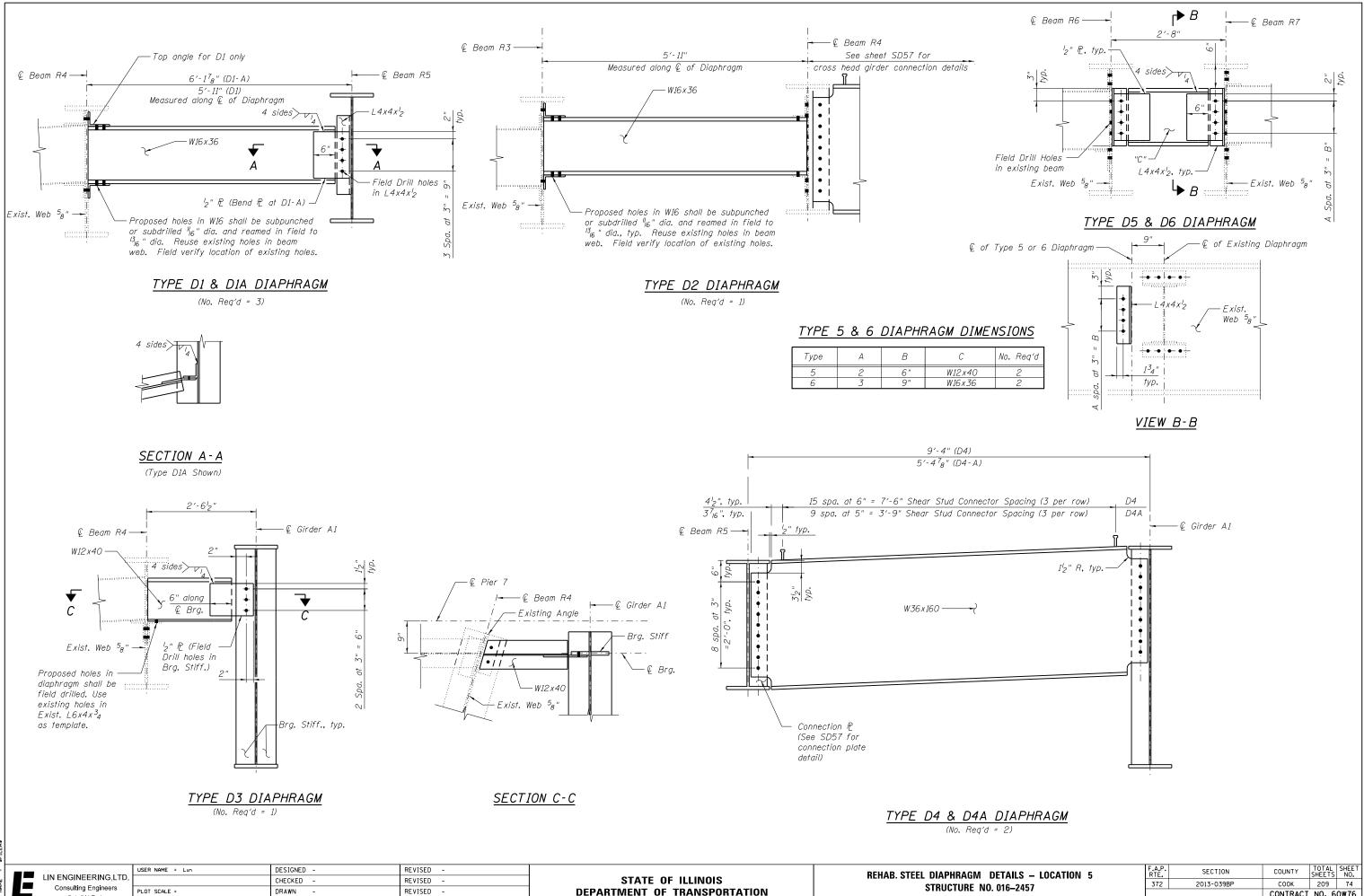
12:18:12 PM CHECKED -

SHEET NO. SE-22 OF SE



DETAIL 1 (Typical top & bottom flanges)

					I
ETAILS – LOCATION 5		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
016-2457	372	2013-039BP	СООК	209	73
010-2437			CONTRACT	NO. 6	0W76
E-36 SHEETS	ILLINOIS FED. AID PROJECT				



Ŀ

Springfield, Illinois

PLOT SCALE =

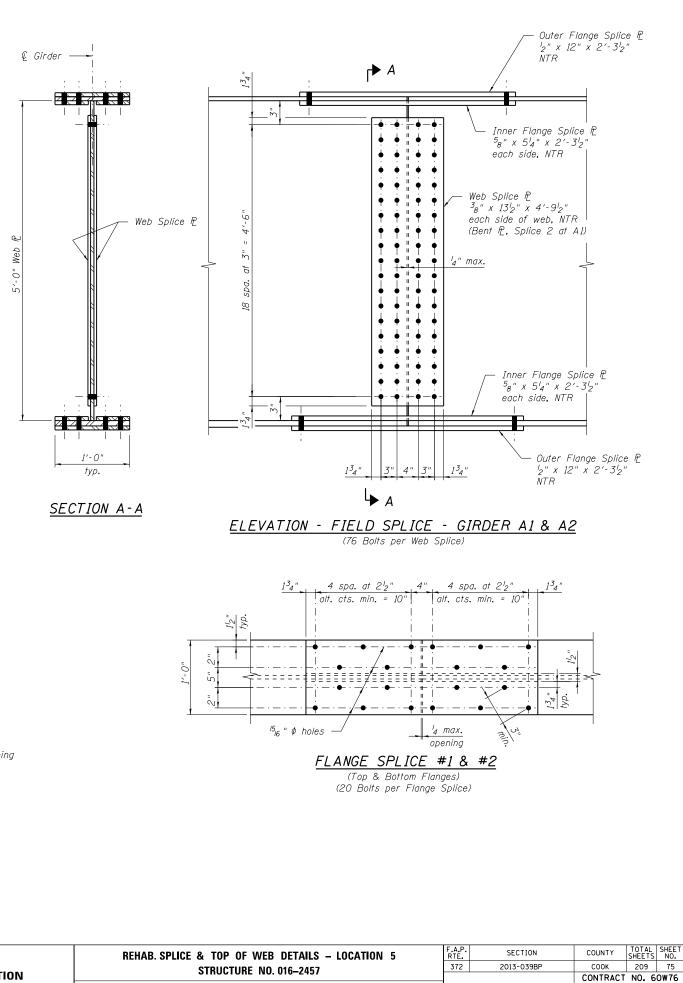
PLOT DATE = 3/22/2017

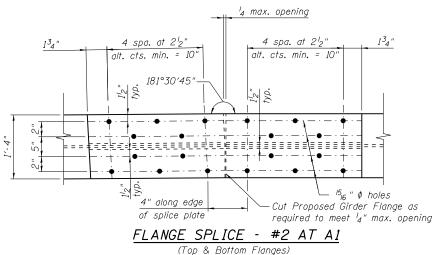
12:18:13 PM CHECKED -

REVISED

**STRUCTURE NO. 016–2457** SHEET NO. SE-23 OF SE-36 SHEETS

### CONTRACT NO. 60W76 ILLINOIS FED. AID PROJECT





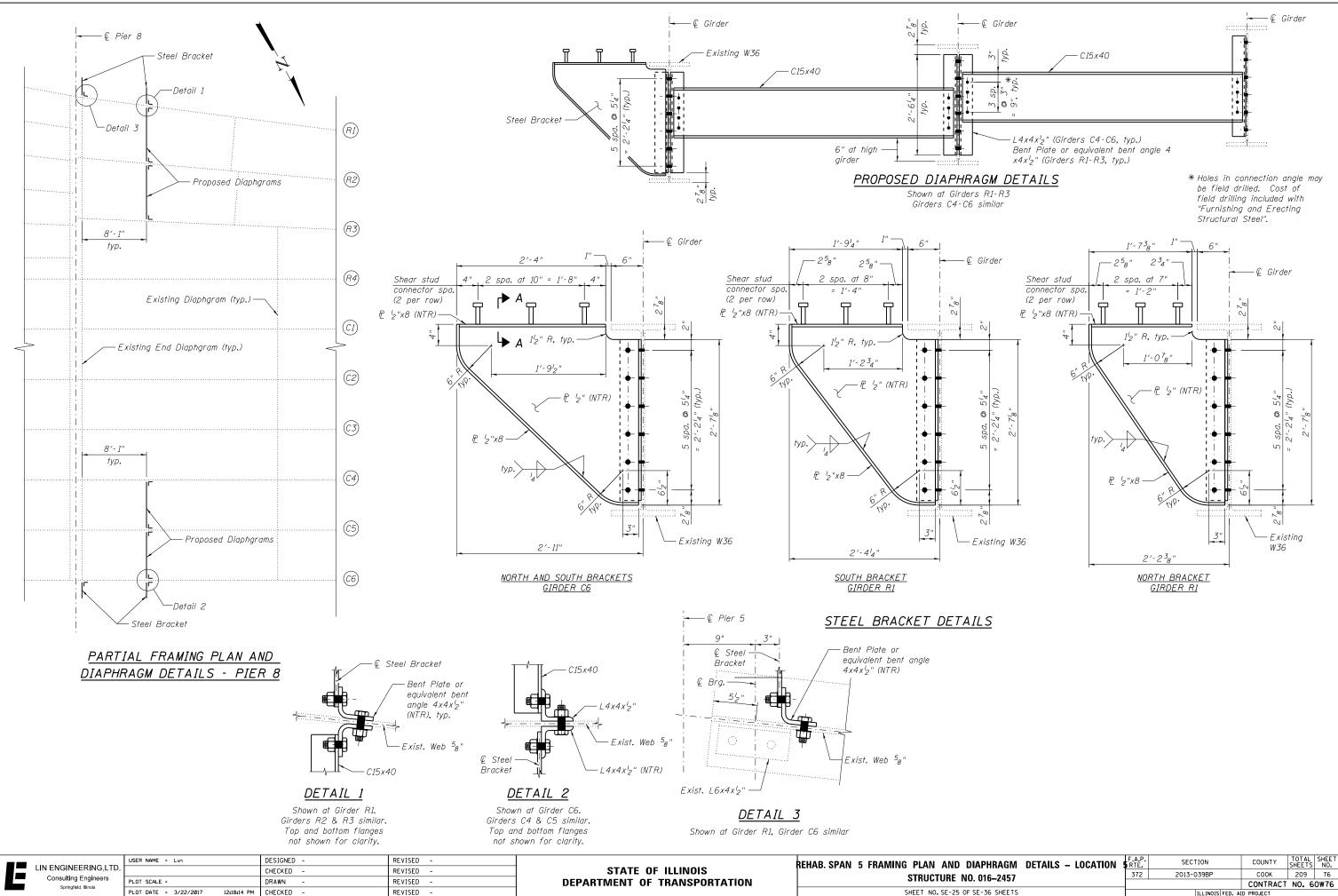
# TOP OF WEB ELEVATIONS

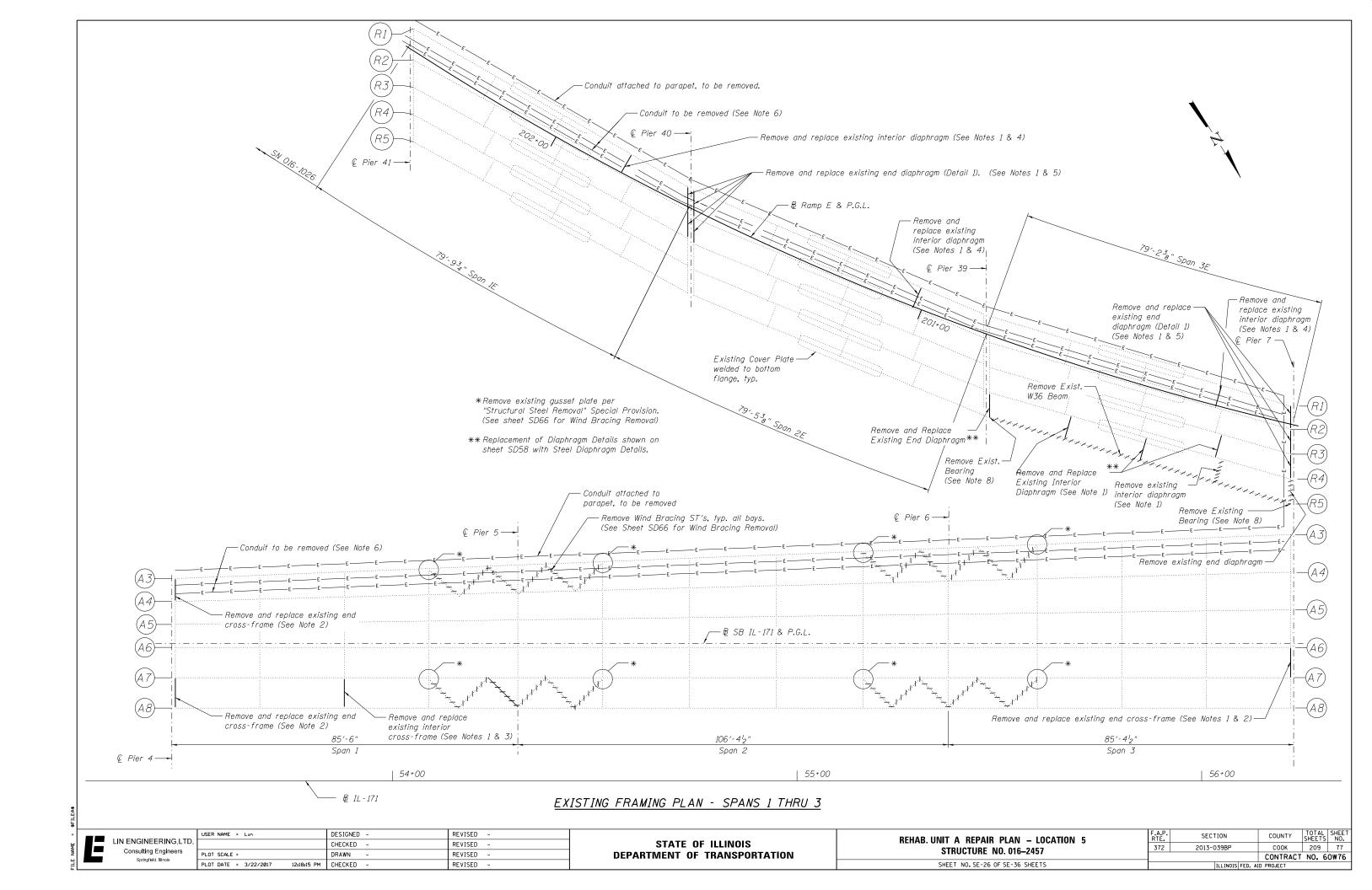
Location	Girder A1	Girder A2
CL. BRG. PIER 4N	620.43	620.59
CL. BRG. PIER 5	621.18	621.34
FS #1	621.38	621.55
CL. BRG. PIER 6	622.20	622.34
FS #2	622.44	622.57
CL. BRG. PIER 7S	623,22	623.32

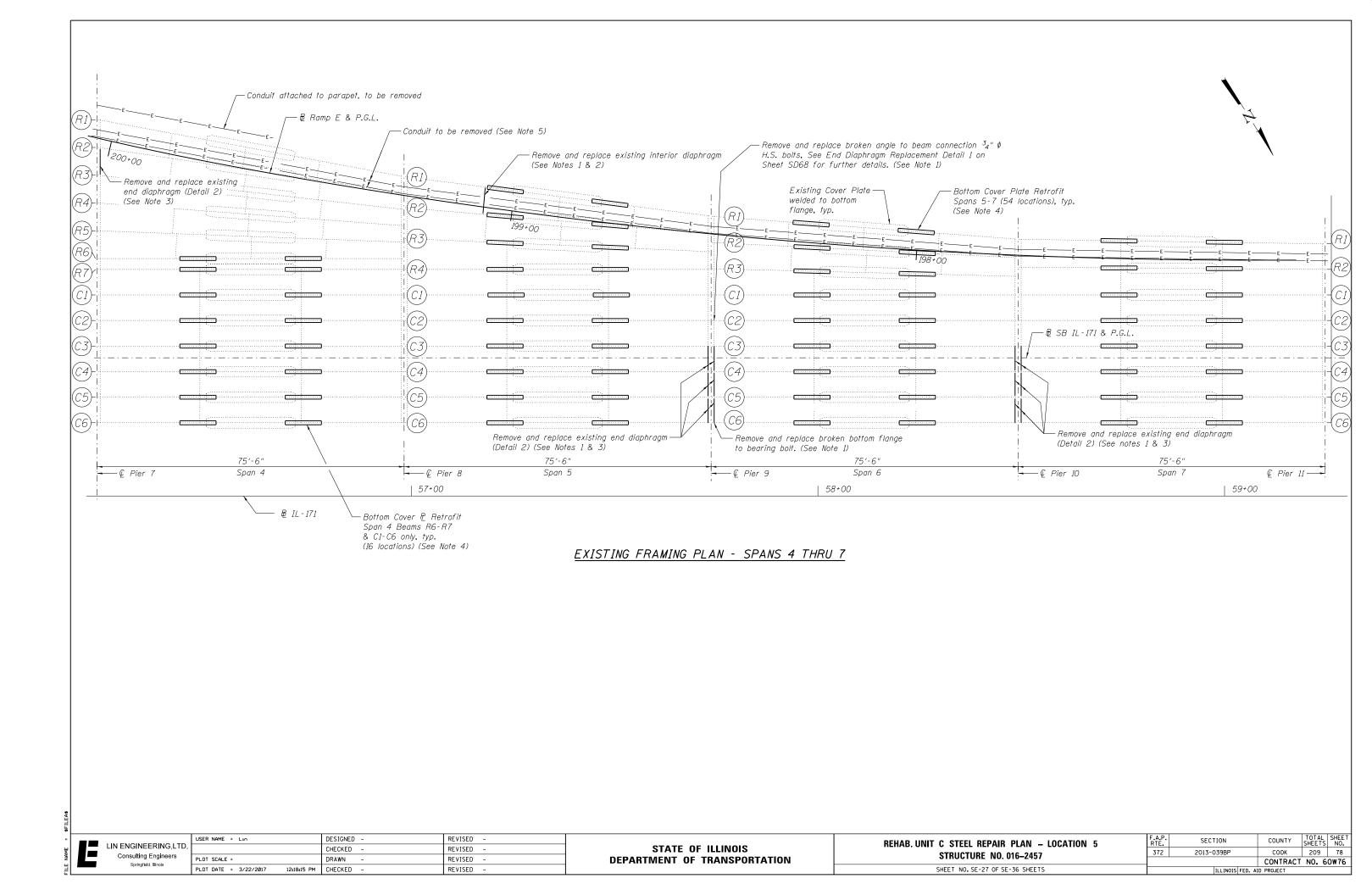
For fabricator use only.

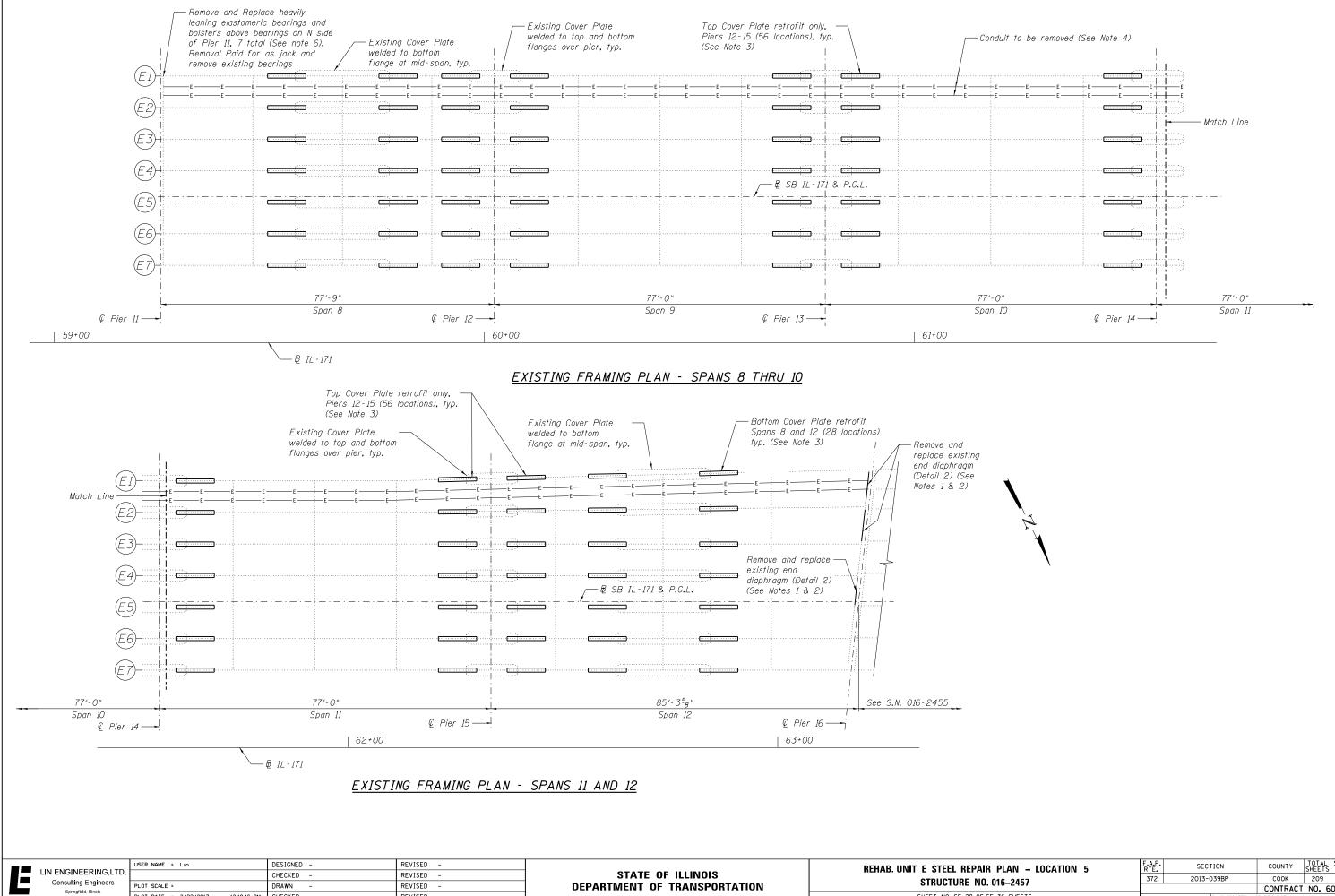
₩						
- [	USER NAME = Lin	USER NAME = Lin	DESIGNED -	REVISED -		REHAB. SPLICE & TOP OF WEB DET
¥			CHECKED -	REVISED -	STATE OF ILLINOIS	
₹	Consulting Engineers	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016-
븶	Springfield, Illinois	PLOT DATE = 3/22/2017 12:18:13 PM	CHECKED -	REVISED -		SHEET NO. SE-24 OF SE-36

-36 SHEETS









SHEET NO. SE-28 OF SE

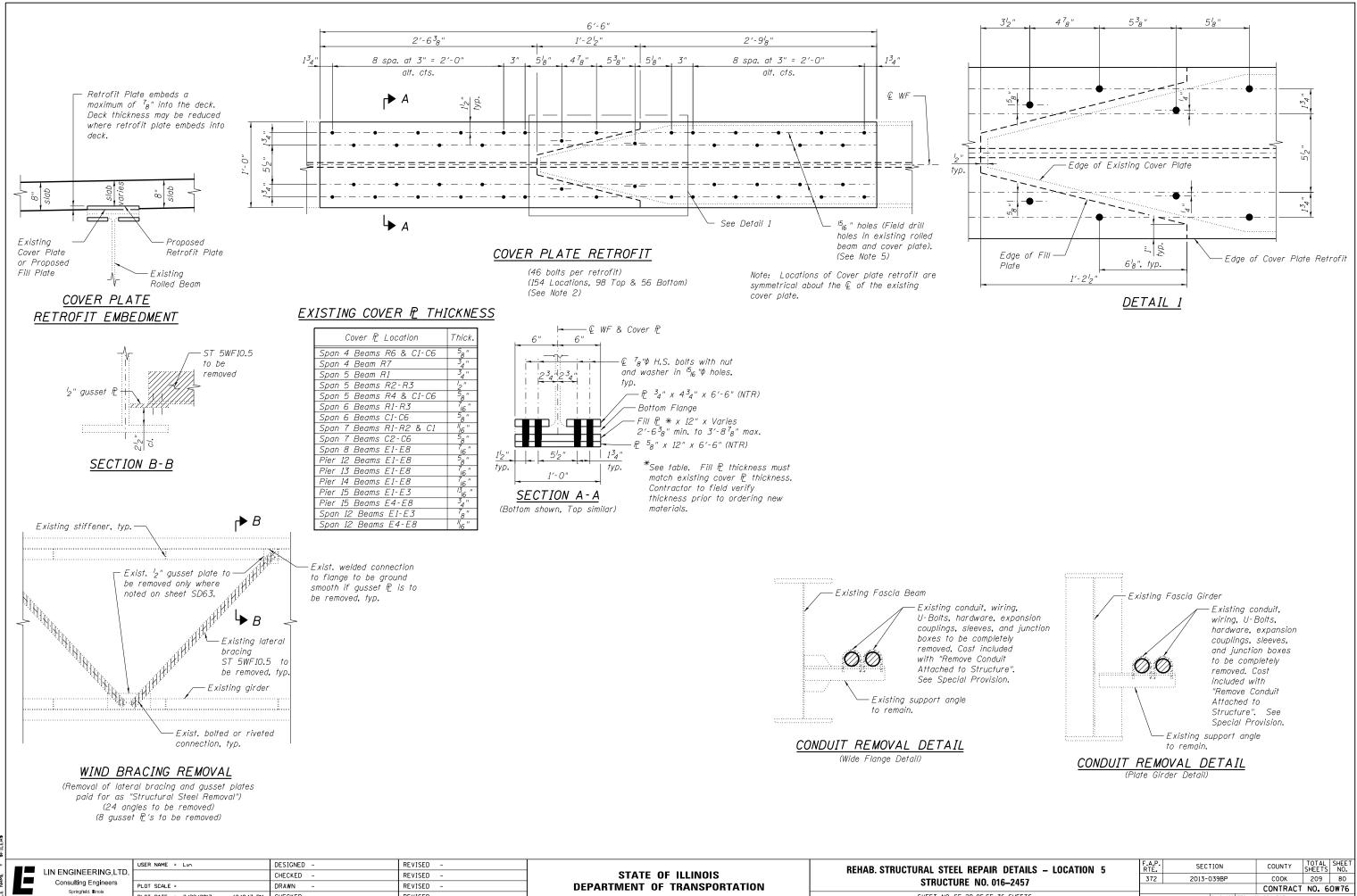
PLOT DATE = 3/22/2017

12:18:16 PM CHECKED -

REVISED

1
L
<b>\</b>

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
372	2013-039BP	СООК	209	79
		CONTRACT	NO. 6	0W76
ILLINOIS FED. AID PROJECT				
	RTE.	RTE.         SECTION           372         2013-039BP	RTE.         SECTION         COUNT           372         2013-039BP         COOK           CONTRACT         CONTRACT	RTE.         SECTION         COUNTY         SHEETS           372         2013-039BP         COOK         209           CONTRACT NO. 6

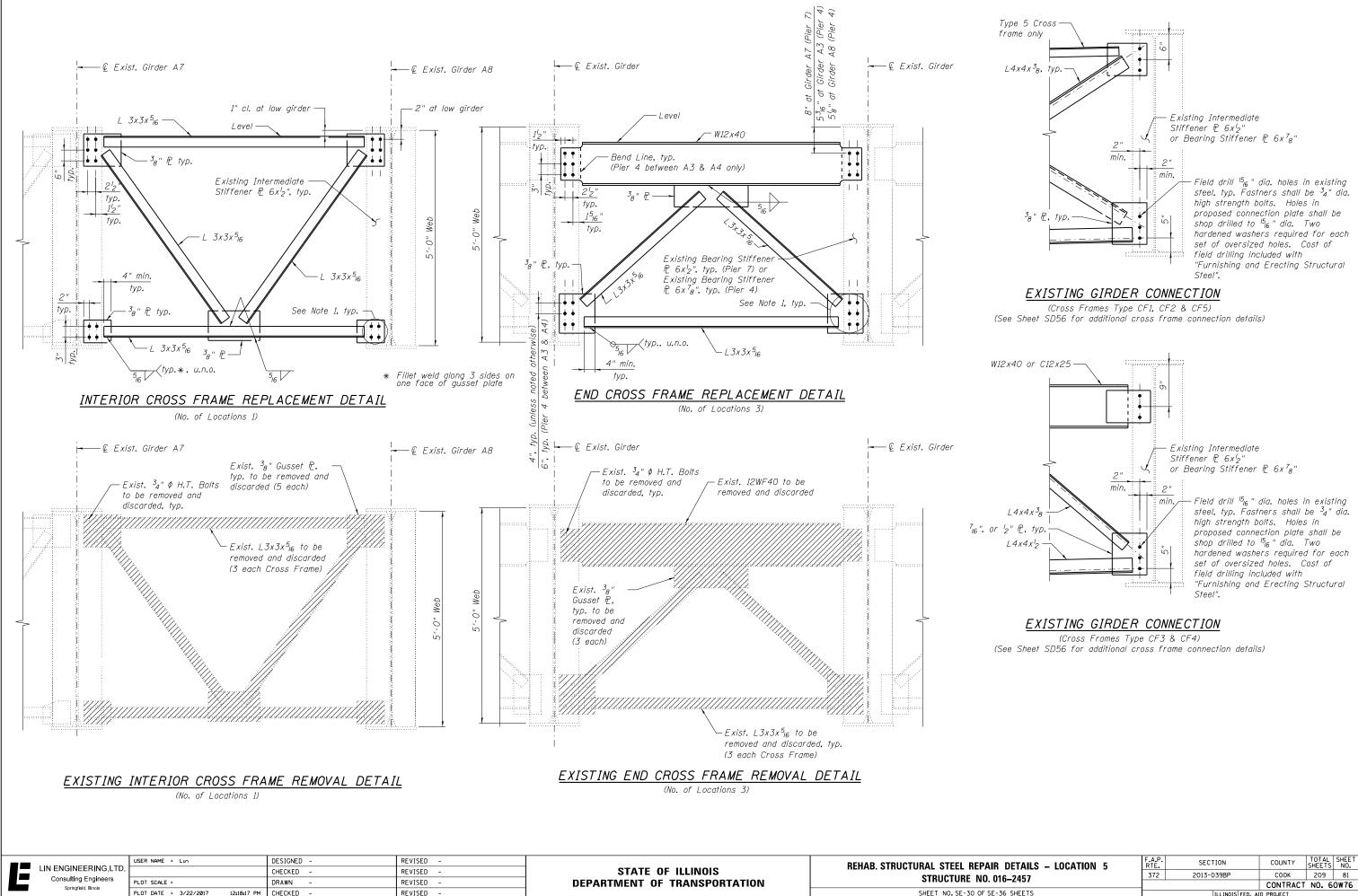


PLOT DATE = 3/22/2017

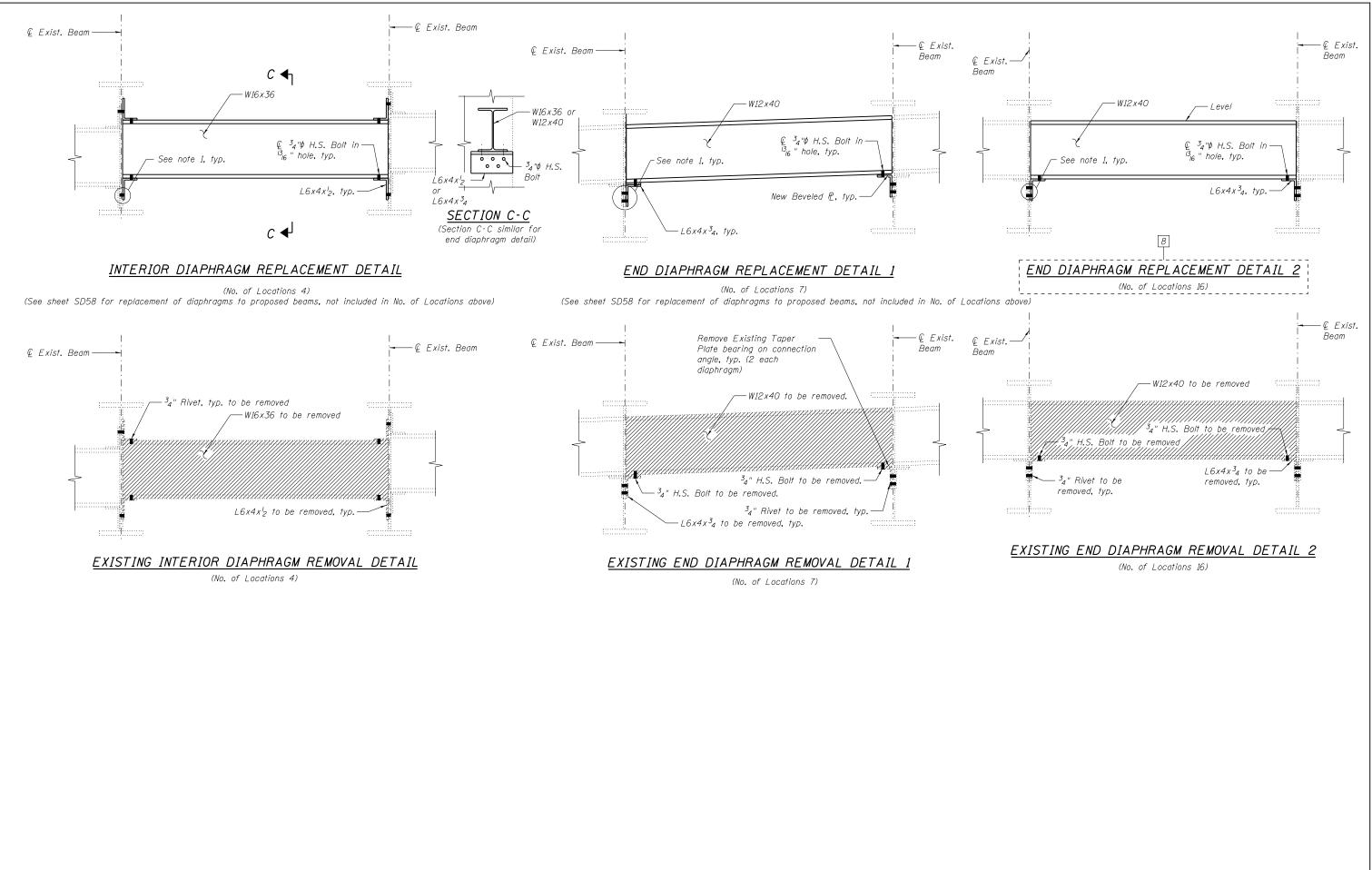
12:18:17 PM CHECKED -

REVISED

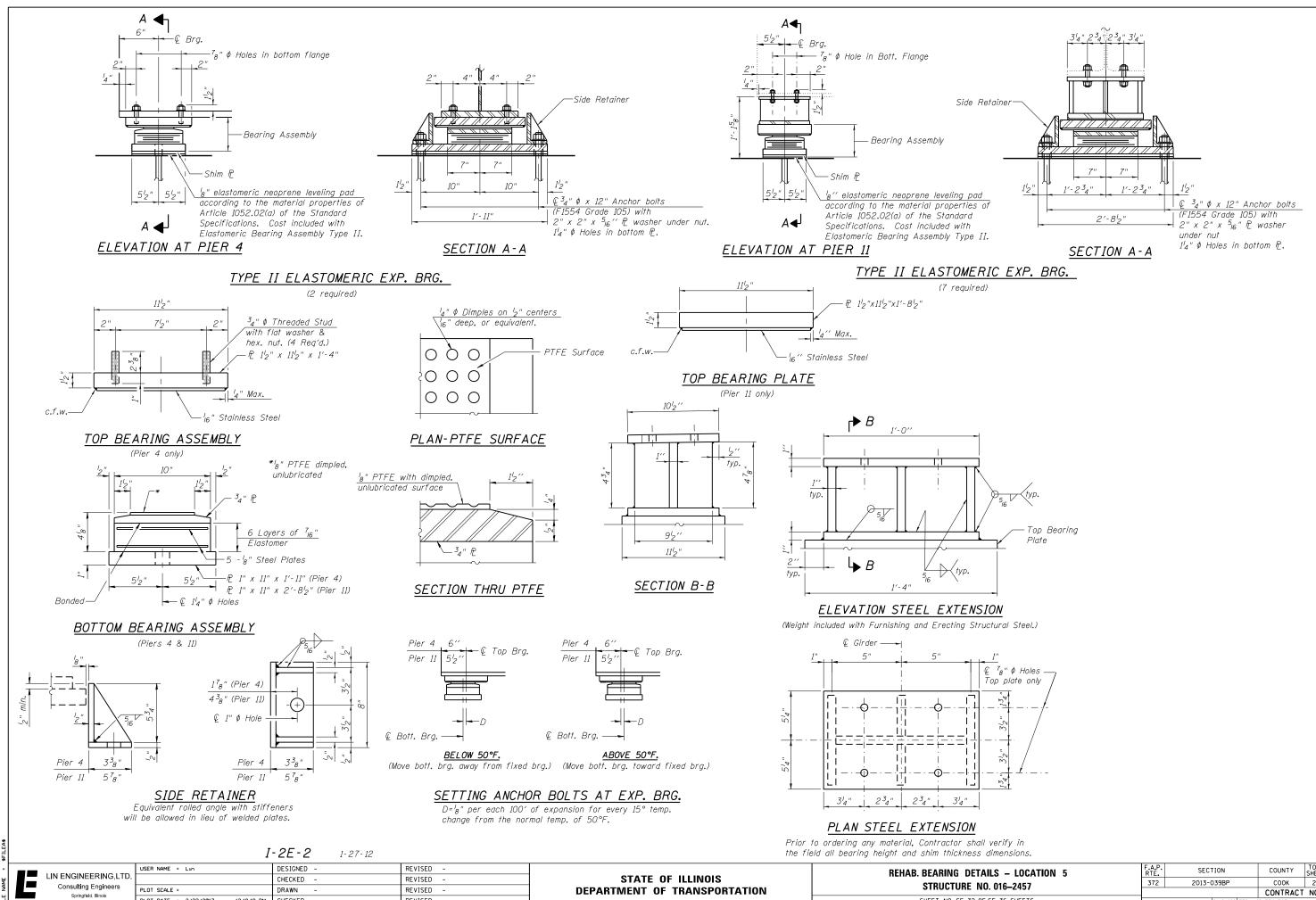
ILLINOIS FED. AID PROJECT



SHEET NO. SE-30 OF SE-36 SHEETS



	USER NAME = Lin	DESIGNED -	REVISED -		REHAB. STRUCTURAL STEEL REPAIR DETAILS – LOCATION 5	F.A.P.	SECTION	COUNTY	TOTAL SHEET
LIN ENGINEERING,LID.		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2457	372	2013-039BP	СООК	209 82
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION					T NO. 60W76
	PLOT DATE = 3/22/2017 12:18:18 PM	CHECKED -	REVISED -		SHEET NO. SE-31 OF SE-36 SHEETS		ILLINOIS FED. A	ID PROJECT	



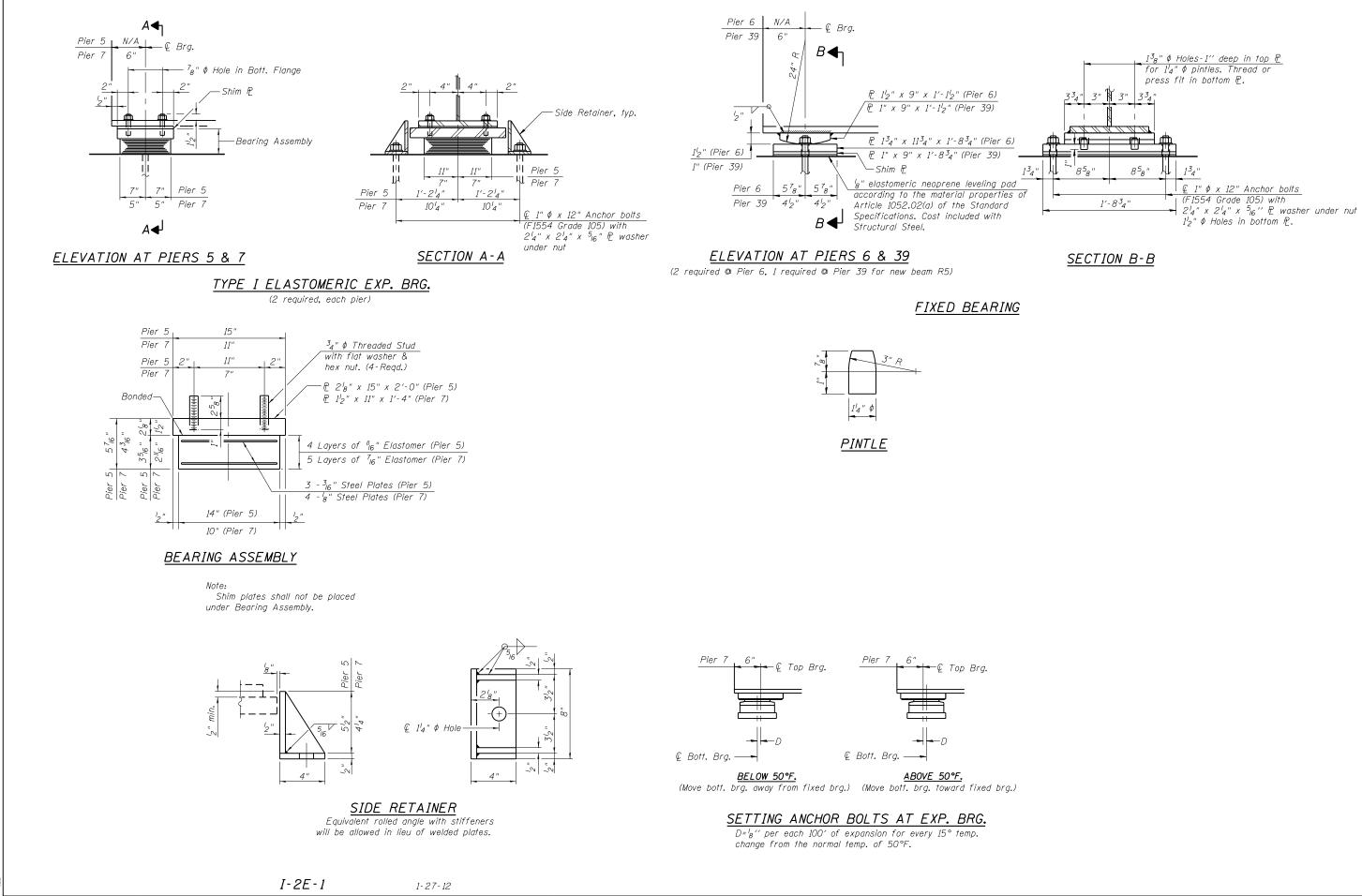
PLOT DATE = 3/22/2017

12:18:19 PM CHECKED -

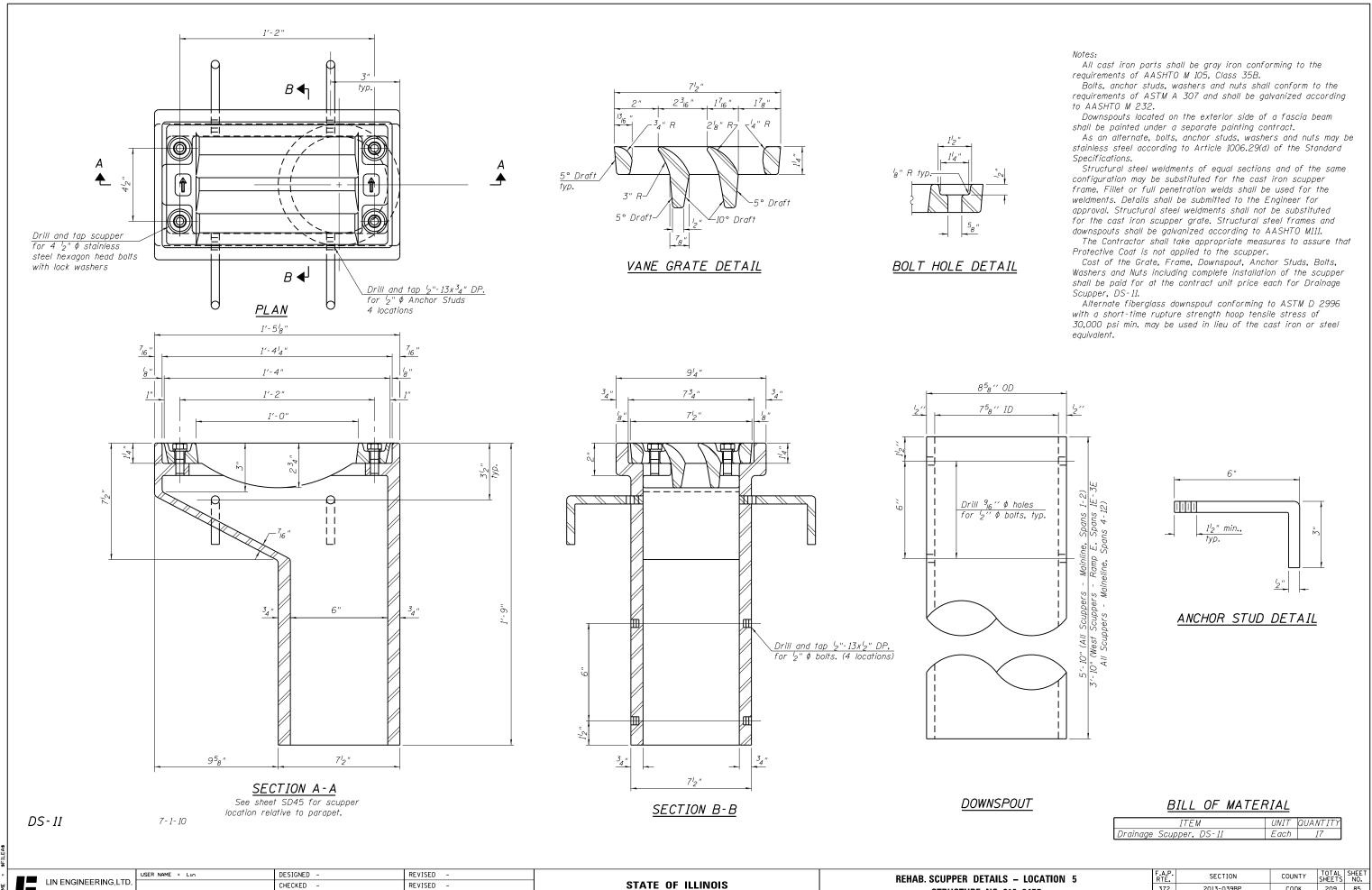
REVISED

SHEET NO. SE-32 OF S

LS – LOCATION 5		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
. 016–2457	372	2013-039BP	СООК	209	83	
. 010-2437			CONTRACT	NO. 6	0W76	
SE-36 SHEETS	ILLINOIS FED. AID PROJECT					



₩				1 2 7 12						
"		USER NAME = Lin	DESIGNED -	REVISED -		REHAB. BEARING DETAILS – LOCATION 5	F.A.P.	SECTION	COUNTY	TOTAL SHEET
¥			CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	СООК	209 84
₩.	Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2457				T NO. 60W76
"		PLOT DATE = 3/22/2017 12:18:19 PM	CHECKED -	REVISED -		SHEET NO. SE-33 OF SE-36 SHEETS		ILLINOIS FED. /	AID PROJECT	



**DEPARTMENT OF TRANSPORTATION** 

Consulting Engineers

Springfield, Illinois

PLOT SCALE =

PLOT DATE = 3/22/2017

DRAWN

12:18:20 PM CHECKED -

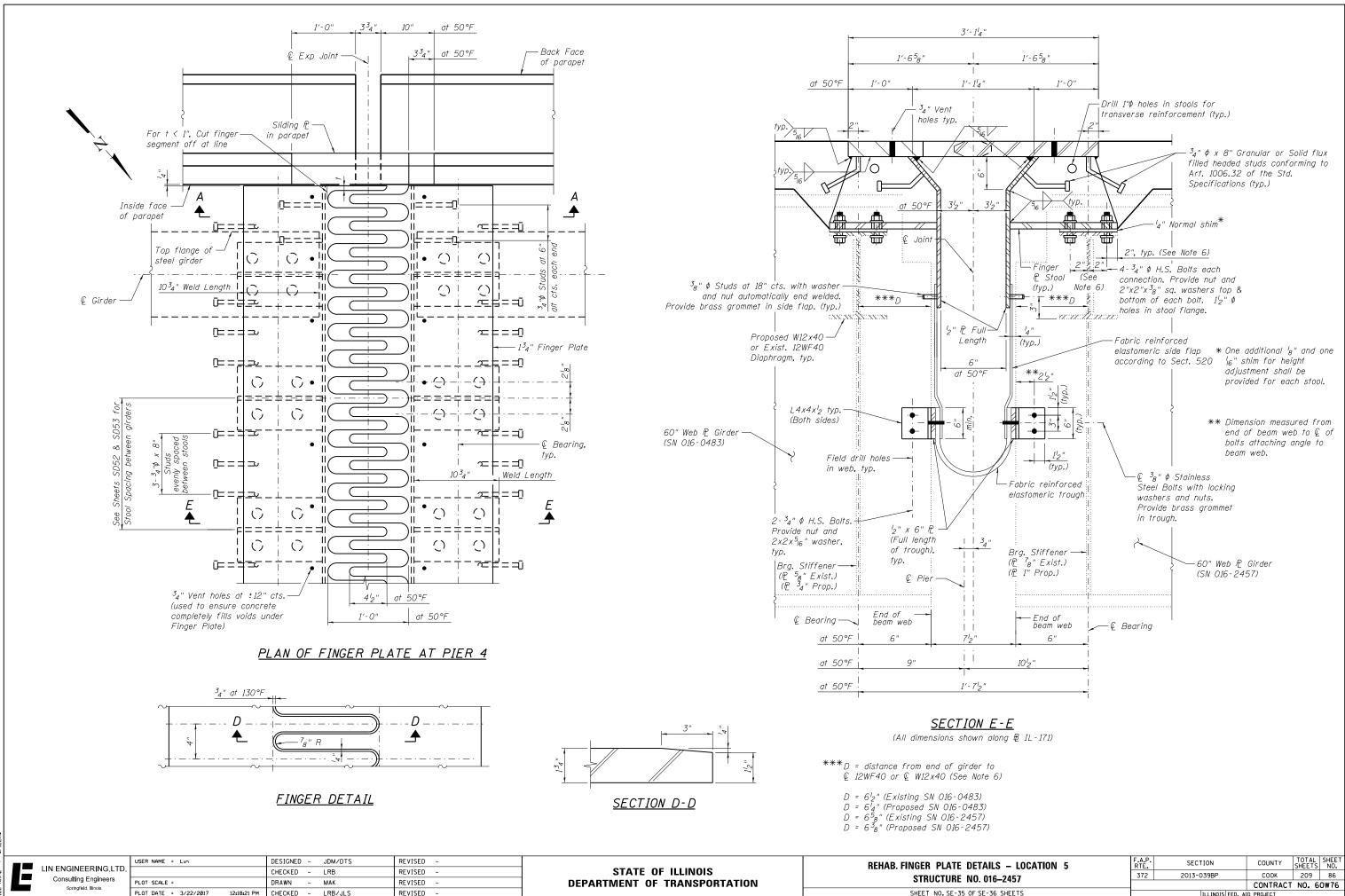
REVISED

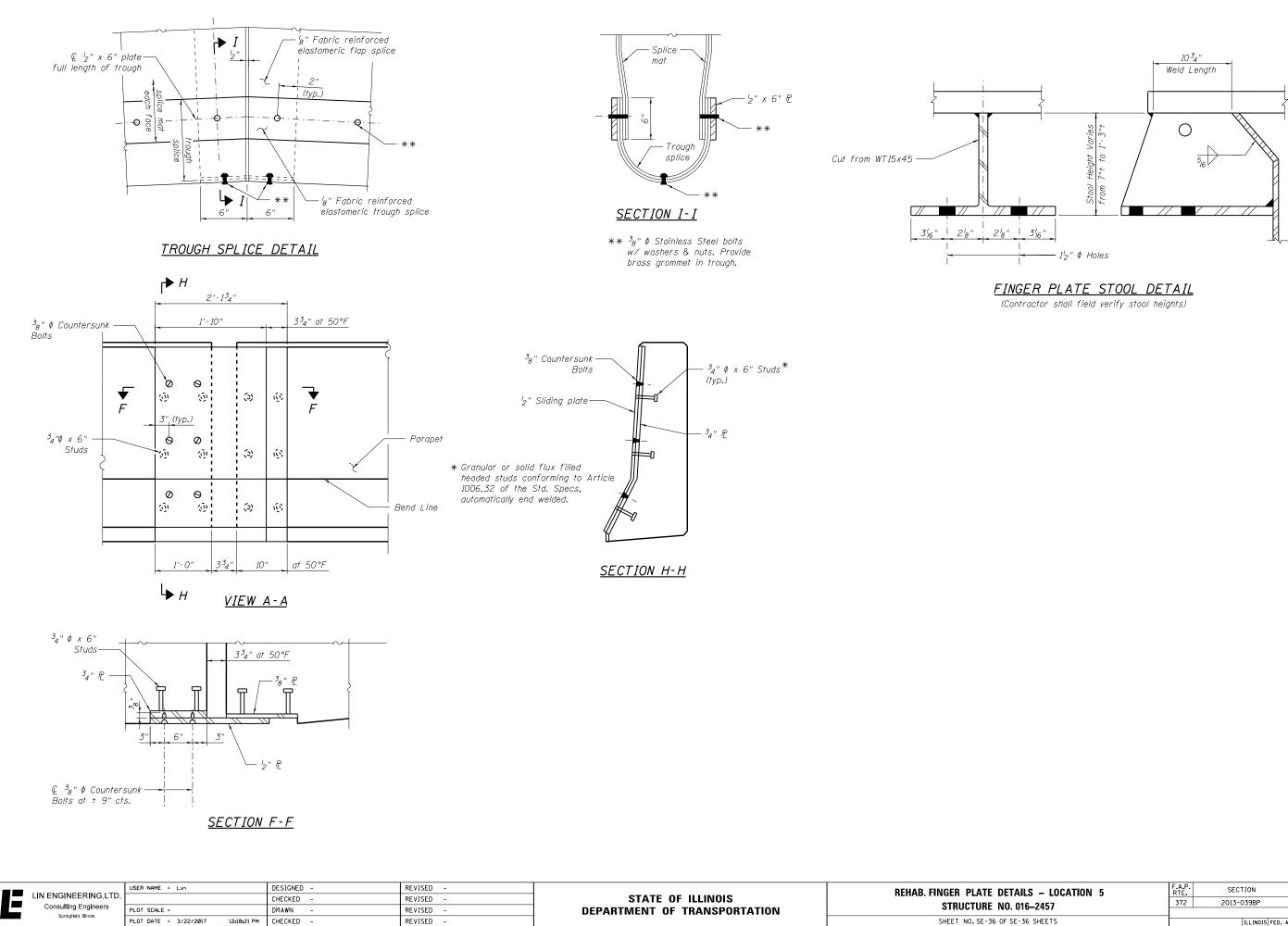
REVISED -

STRUCTURE NO. SHEET NO. SE-34 OF S

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	17

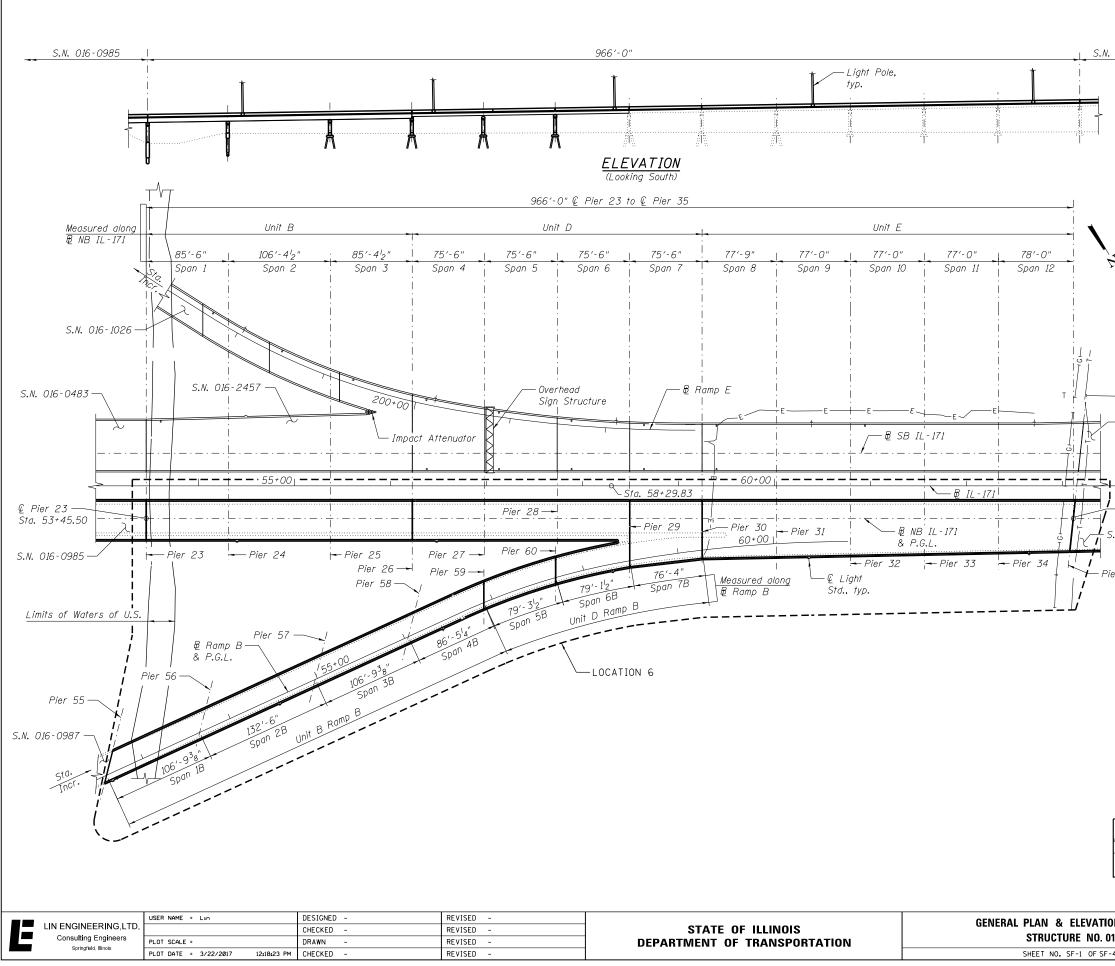
LS – LOCATION 5		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–2457	372	2013-039BP	СООК	209	85
. 010-2437			CONTRACT	NO. 6	0W76
SE-36 SHEETS	ILLINOIS FED. AID PROJECT				





SHEET NO. SE-36 OF SE

TAILS – LOCATION 5		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–2457	372	2013-039BP	СООК	209	87
. 010-2437			CONTRACT	NO. 6	0W76
SE-36 SHEETS	ILLINOIS FED. AID PROJECT				



## **GENERAL NOTES**

1. THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

S.N. 016-2454

- 2. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS. STRUCTURAL SHEETS TAKEN FROM EXISTING PLANS CONTAIN INFORMATION NOT PERTAINING TO THIS CONTRACT AND ARE FOR INFORMATION ONLY.
- 4. ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON SHEETS SF-21 THRU SF-42 HAS BEEN PRIMED WITH AN INORGANIC ZINC RICH PRIMER UNDER A PREVIOUS CONTRACT. THESE STEEL SURFACES SHALL BE PRESSURE WASHED CLEAN AND POWER TOOL CLEANED (SSPC SP-3 MODIFIED) AS NECESSARY PRIOR TO THE APPLICATION OF THE INTERMEDIATE AND TOP COATS. THE INORGANIC ZINC RICH PRIMER / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR FIELD PAINTING OF THESE LOCATIONS. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS AND ANY EXTERIOR FRAMING SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
- ALL EXISTING STRUCTURAL STEEL IDENTIFIED ON 5. SHEETS SF-2 THRU SF-20 SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. THESE -S.N. 016-2455 LOCATIONS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF THE EPOXY MASTIC / EPOXY MASTIC / ACRYLIC PAINT SYSTEM. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO. 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS AND ANY EXTERIOR FRAMING SHALL BE REDDISH BROWN, MUNSELL NO. 2.5YR 3/4.
  - 6. A MINIMUM OF 4 AIR MONITORS WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS AT THIS SITE. SEE SPECIAL PROVISION FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES".
  - 7. THE ELASTOMERIC PADS OF THE EXISTING BEARINGS SHALL BE MASKED OFF FOR PROTECTION DURING PAINTING AND REMOVED WHEN PAINTING IS FINISHED. COST INCLUDED WITH "CLEANING AND PAINTING STEEL BRIDGE NO. 6".
  - 8. IF APPLICABLE, THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND DETAILS DEMONSTRATING THE STRUCTURAL INTEGRITY OF THE BRIDGE IS MAINTAINED UNDER THE ADDITIONAL IMPOSED LOADS OF THE CONTAINMENT SYSTEM. SEE SPECIAL PROVISIONS.
  - 9. ONLY ACCESSIBLE AREAS OF STEEL ON THE UNDERSIDE OF THE FINGER PLATE EXPANSION JOINT SYSTEM SHALL BE PAINTED. TOP SURFACE OF THE FINGER PLATES AND PARAPET PLATES SHALL NOT BE PAINTED.

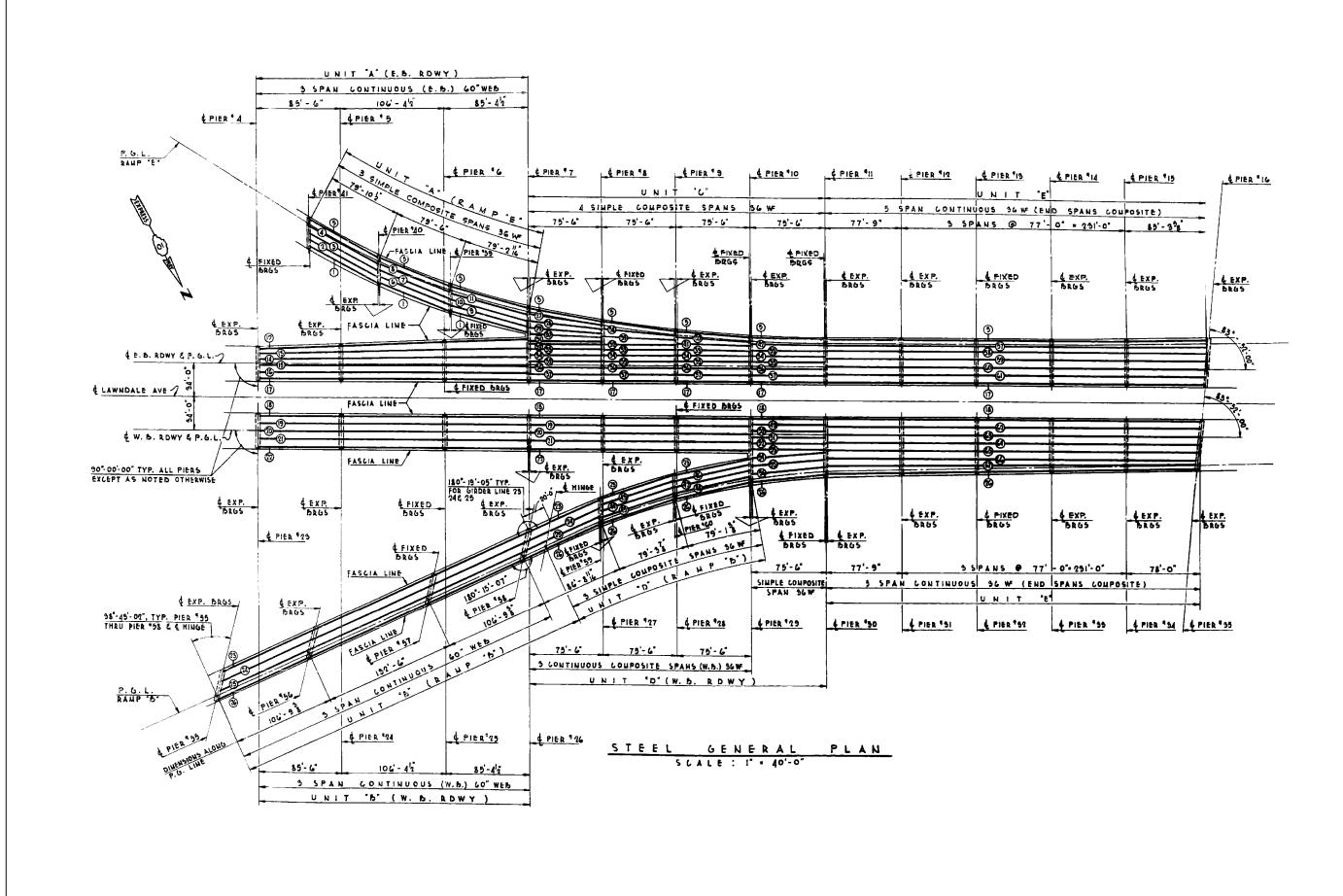
### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CLEANING AND PAINTING STEEL BRIDGE NO. 6	L. SUM	1
CONTAINMENT AND DISPOSAL OF LEAD PAINT	L. SUM	1
CLEANING RESIDUES NO. 6		

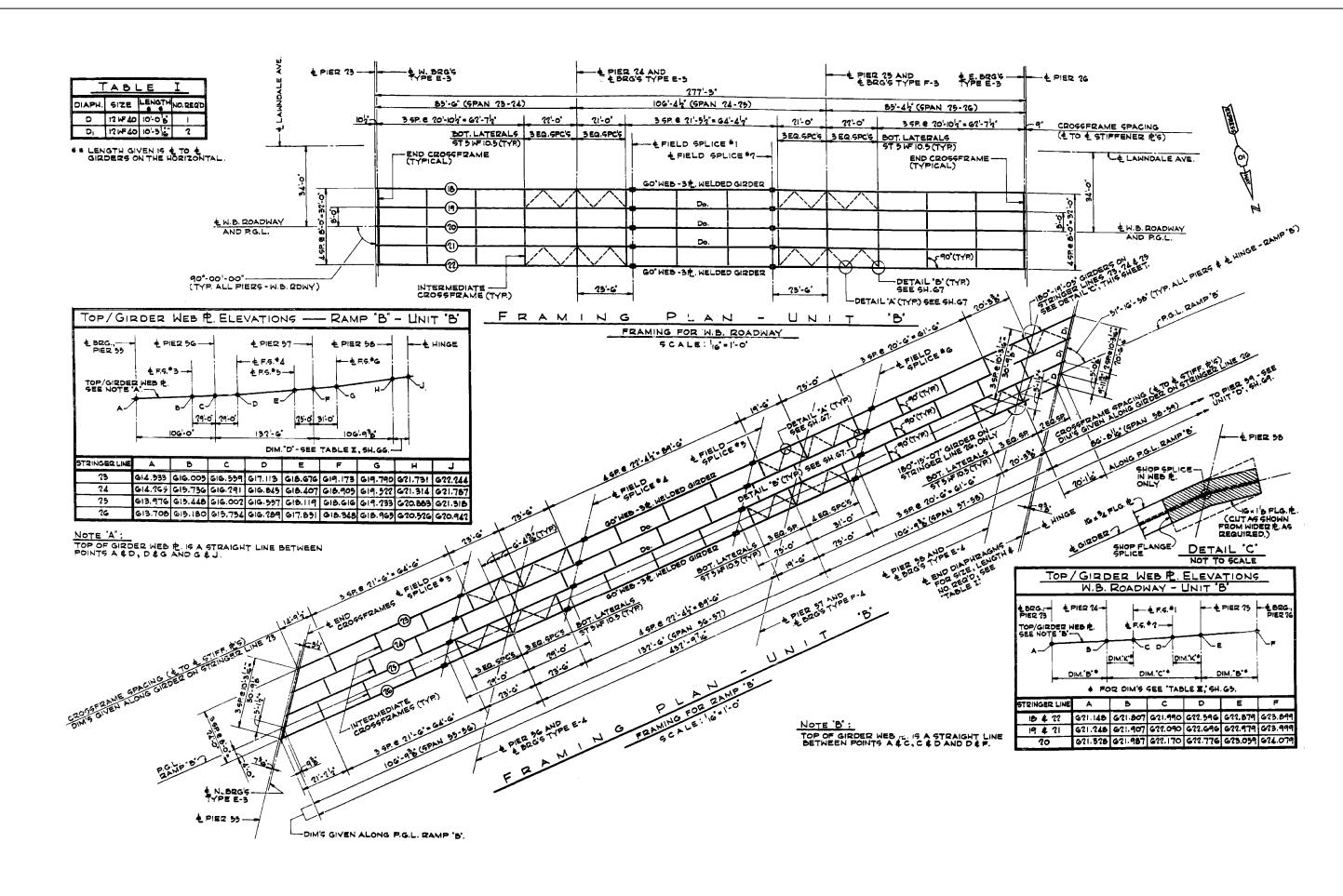
ON – LOCATION 6 016–2456		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		2013-039BP	СООК	209	88		
010-2430			CONTRACT	NO. 6	0W76		
-42 SHEETS	ILLINOIS FED. AID PROJECT						
-							

Sta. Incr. € Pier 35 S.N. 016-2454

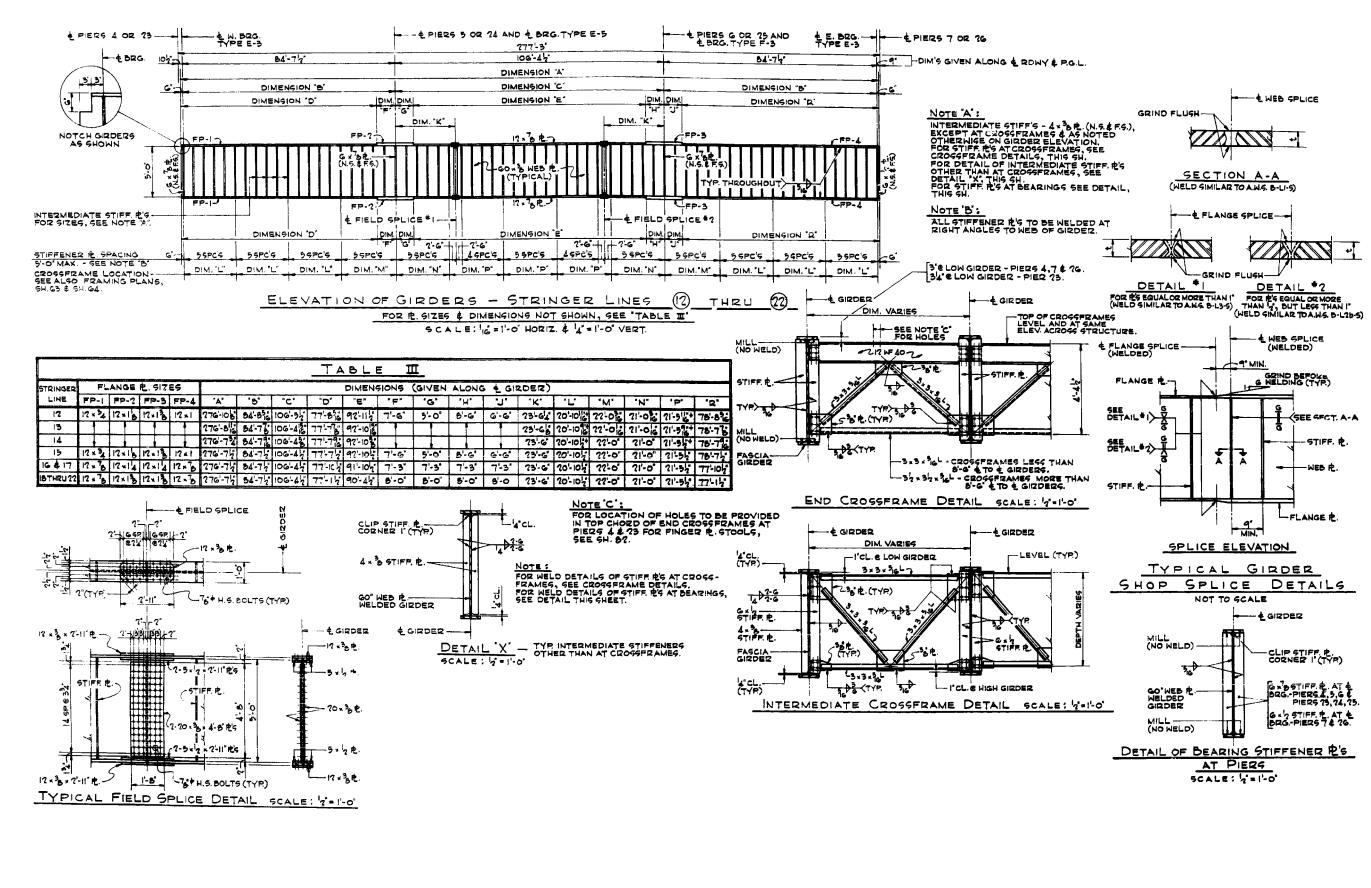
- Pier 35



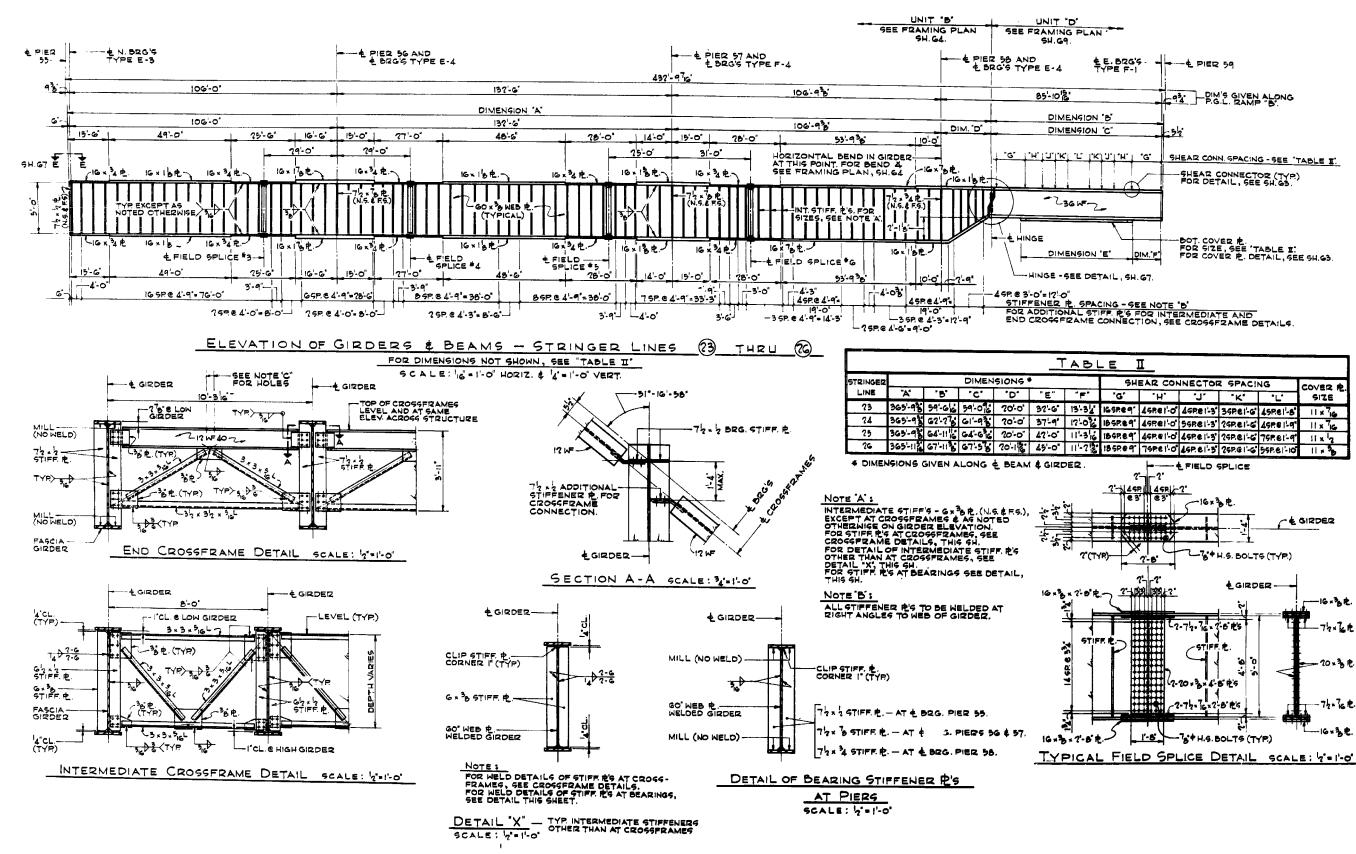
<u>م</u>	USER NAME = Lin	DESIGNED -	REVISED -			F.A.P.	SECTION	COUNTY	TOTAL SHEET
LIN ENGINEERING,LTD. Consulting Engineers Springfield, Illinois PLOT DATE		CHECKED -	REVISED -	STATE OF ILLINOIS	ORIG. FRAMING PLAN – LOCATION 6	RTE.	2013-039BP	СООК	SHEETS NO.
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2456	512	2013-03385	CONTRAC	T NO. 60W76
	OT DATE = 3/22/2017 12:18:23 PM CHECKED - REVISED -			SHEET NO. SF-2 OF SF-42 SHEETS		ILLINOIS FED. A	ID PROJECT		



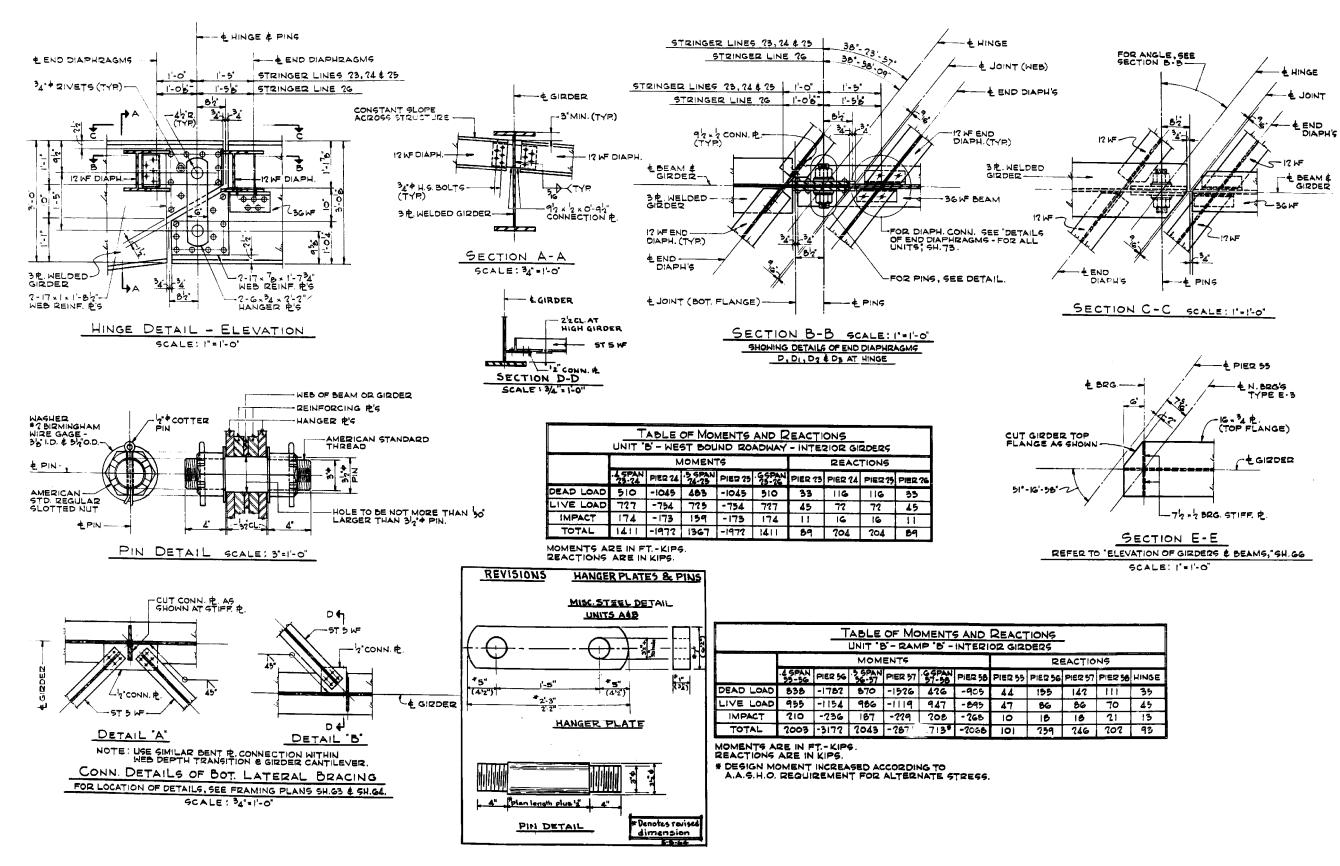
	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT B FRAMING PLAN – LOCATION 6	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
LIN ENGINEERING,LTD.     Consulting Engineers	En EnomeEnmo,Erb.	CHECKED -	REVISED -	STATE OF ILLINOIS		372	2013-039BP	СООК	209 90
Consulting Engineers Springfield, Illinois PLOT SCALE =	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2456				NO. 60W76
ophingheid, minors	PLOT DATE = 3/22/2017 12:18:31 PM	CHECKED -	REVISED -		SHEET NO. SF-3 OF SF-42 SHEETS		ILLINOIS FED. A	ID PROJECT	



		USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT B STEEL DETAILS – LOCATION 6	F.A.P. SEC	TION	COUNTY T	TOTAL SI	HEET
	LIN ENGINEERING,LTD.     Consulting Engineers	c	G,LTD. CHECKED - REVISED - STATE OF ILLINOIS		372 2013-	039BP	СООК	209	91		
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2456			CONTRACT N	NO. 60'	N76	
	PLOT DATE = 3/22/2017 12:18:39 PM CHECKED - REVISED	REVISED -		SHEET NO. SF-4 OF SF-42 SHEETS	ILLINOIS FED. AID PROJECT						

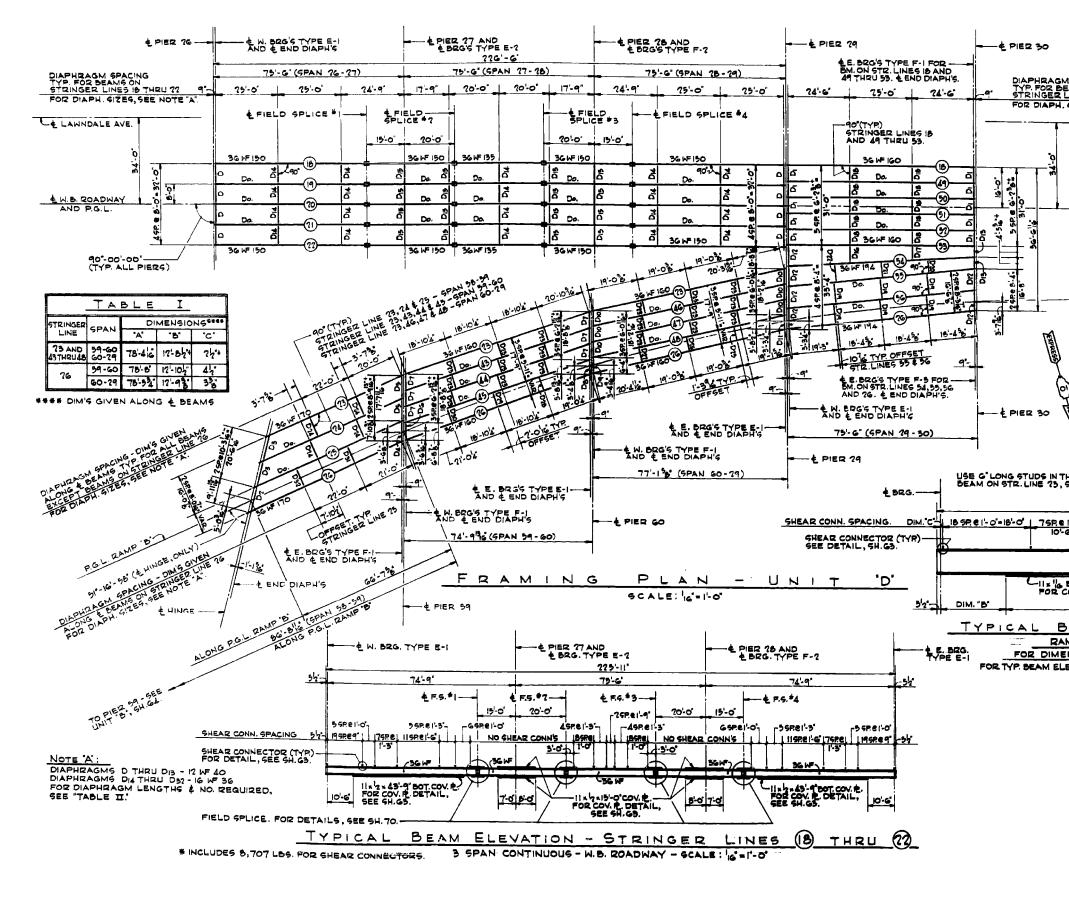


	USER NAME = Lin			ORIG. UNIT B STEEL DETAILS – LOCATION 6	F.A.P. SECTION	COUNTY TOTAL SHEET	
- LIN LINGINEERING, LTD.	CHECKED - REVISED -		STATE OF ILLINOIS		372 2013-039BP	COOK 209 92	
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO. 016–2456		CONTRACT NO. 60W76
Springfield, Illinois	PLOT DATE = 3/22/2017 12:18:46 PM	CHECKED -	REVISED -		SHEET NO. SF-5 OF SF-42 SHEETS	ILLINOIS FED. 4	AID PROJECT



	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT B STEEL DETAILS – LOCATION 6	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEETS	HEET
Consulting Engineers		CHECKED - REVISED -		STATE OF ILLINOIS	STRUCTURE NO. 016–2456	372	2013-039BP	соок	209	93
Springfield, Illinois	PLOT SCALE = PLOT DATE = 3/22/2017 12:18:54 PM	DRAWN -	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. SF-6 OF SF-42 SHEETS				NO. 60W	N76
		GIEGREB	NEVISED				ILLINOIS FED. AI	FROJECT		

		the second s	
DNG IRS	-		
R	EACTIO	NŞ	
12 56	PIE2 57	PIER 58	HINGE
155	142	111	35
86	86	70	45
16	18	21	13
259	246	202	93



	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT D FRAMING PLAN – LOCATION 6		SECTION	COUNTY	TOTAL SH	ET
LIN ENGINEERING,LTD. Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016–2456	372 20	013-039BP	СООК	209 9	4
Springfield, Illinois	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 60W	6
PLOT DATE = 3/22/2017 12:19:02 PM		CHECKED -	REVISED -		SHEET NO. SF-7 OF SF-42 SHEETS		ILLINOIS FED. AI	D PROJECT		

E NAM

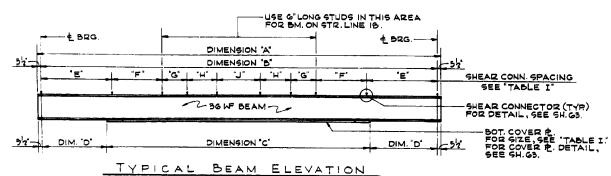
DIAPHRAGM SPACING TYP. FOR BEAMS ON STRINGER LINES 18 & 49 THRU 53. FOR DIAPH. GIZEG, SEE NOTE "A"

LAWNDALE AVE.

$\frac{T \land B \sqcup E \square}{D APH, _ENGTH NO.READ}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 8^{1} + 10}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 8^{1} + 10}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 8^{1} + 10}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{D APH, _ENGTH NO.READ}{D = 8^{1} \cdot 0^{2} = 1}$ $\frac{P A }{P A }$ $\frac{P A }{P A$	<b>E</b>	LAP	NDALE	AVE.						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					ТАВ	L	ΕI			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			DIAPH.	LENGTH	NO REQD		DIAPH.	LENGTH	NO. REOD	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			D	8'-0'	8		דוס			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		-	Рı	6-?**	10		DIS		10	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			D2	9'-11'5			DI9		6	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	N.		Dy	10-316	2		D20	5-4%		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	10 10 10		D4	7-103	1		D21	6-4%	1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			D5	8-9 6	2		D??	7-35	1	
in       De       5'-6'is       1         Da       6'-4'       1         Da       6'-4'       1         Dio       6'-10's       6         Dio       6'-10's       1         Dio       6'-10's       6         Dio       6'-10's       1         Dis       1'-5's'+       2         Dis       1'-5's'+       1         Dis       1'-5's'+       1         Dis       1'-5's'+       1         Dis       1'-0's'-       1         Dis       7'-0's-       1         Dis       7'-7's'       1         Dis       10's'       10's's's's's's's's's's's's's's's's's's's	•		Dø	6.58	1		D23	5'-11"	15	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		_	D7	G-?!5+	6		D24	8-0%	4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	'n		De	5 8 3	1		D25	5-8 K	1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u>a</u>		Dq		1		D26	5'-102"	I	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	SAN.		Dю	6-10 K	6		D27	6-0%	1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.Q		Dji	5-82	1		D78	5-8	1	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		1	Dr2	B'-4'	6		D24	5-10%	1	
Dis $B' O'$ 16 Dig $7' O'_{10}$ 1 **** LENGTH GIVEN IG & TO & DEAMS ON THE HORIZONTAL. HIG AREA FOR SPAN 59-GO DIMENSION 'A' $11' G'_{20}$ 10 SRC 7'-O'= 70'-O' $75RC 1'-G'_{20}$ 10 SRC 1'-O'= 18'-O' 10' G'' 10 SRC 1'-O'= 18'-O' 0 SRC 1'-O'= 18'-O'	2		DIS	4.5%	2		D30	6-12	1	
N DIG 7'-0'' I **** LENGTH GIVEN IG & TO & DEAMS ON THE HORIZONTAL. HIG AZEA FOR SPAN 59-60 DIMENSION 'A' LI-63 IO SRE 7'-0'=20'-0' 75RE I'-6'' IB C E I'-0' = IB'-0' DIM.'C COMERCIAL SEE SH. G3. 57'-0' DIM. 'B' 55' DIM. 'B' 55' DIM. 'B' 55' DIM. 'B' 55'	E		Di4	8'-0"	20		D31	7'-47:	1	
#*** LENGTH GIVEN IS & TO & DEAMS ON THE HORIZONTAL.         'HIS AREA FOR GPAN 59-GO         DIMENSION 'A'         DIMENSION 'A'         DIMENSION 'A'         11'6's         IO SRE 7'-0'-70'-70'-75P.E 1'-6'-1         DIMENSION 'A'         10'-6'         BOT. COVER P.         SOTE COVER P.	4		Dis	8.0	16		D32	7'-7'5	1	
*** LENGTH GIVEN IG & TO & DEAMS ON THE HORIZONTAL.         'HIG AZEA FOR GPAN 59-GO         DIMENSION 'A'         1'-G'         DIMENSION 'A'         1'-G'         1'-G'         DIMENSION 'A'         1'-G'         1'-G'         DIMENSION 'A'         1'-G'         1'-G'         1'-G'         0'-G'         1'-G'         'G'         'G' <t< td=""><td>N</td><td></td><td>Dig</td><td>7-0</td><td>1</td><td></td><td></td><td></td><td></td><td></td></t<>	N		Dig	7-0	1					
BOT. COVEZ R. SOVER R. DETAIL, SEE SH. G3. 57'-0' DIM. 'B' DIM. 'B' DIM. 'B' DIM. 'B' DIM. 'B' DIM. 'B'	HIG ARE	A FC 9-60		21ZONT.	NEN 15 AL.	<b>£</b> 1	_		· THE	
BOT. COVER P. COVER P. DETAIL, SEE SH. G3. 57-0' DIM. 'B' DIM. 'B' DIM. 'B' DIM. 'B' DIM. 'B' DIM. 'B'		10 SF	e ?-0'=	20:0			10 SP. C	1'-0"=1B'-	O DIN	4.°C
BOT. COVER D. COVER D. DETAIL, SEE SH. GD. 57-0" DIM. 'B' 557 DEAM ELEVATION - NOT TO SCALE	0				10-6	ſ			ļ	
57-0" DIM. 18 - 55		23	G WF BE	AMZ	-					
BEAM ELEVATION - NOT TO SCALE	BOT. CO COVER 1	VER P. DE		ee sh.g				DIM. "E	5 5	<b>7°</b>
	BEAM	1 8	ELEV	ATL	0N -	N	 ot to s		-11	. —
									-	

FOR DIMENSIONS NOT SHOWN, SEE 'TABLE I'

FOR TYP. BEAM ELEVATION SPANS 29-30 \$ 58-59, SEE NOTES BELOW



UNIT "D" - SPAN 29-30 FOR DIMENSIONS NOT SHOWN, SEE "TABLE I" NOT TO SCALE

				<u> </u>	ABLE	<u> </u>	and an and a plant	100 1 - Henry Ale and 1 - 100		
STRINGER		DIMEN	SIONS *	iii.	9	HEAR CO	NNECTO	2 SPACIN	6	
LINE	"A"	"B"	°C*	"D"	'E'	"F"	'G'	"H"		COVER
18 49 THRU 53	74'-11"	74'-0"	49'-0"		175P.011	GSPEI-3	35Pel-6	25PEI-A	69P.02-0	11.2
54	75-04	74-14	52'-6"	10-93	185P.e 9"	IOSPel-0	45P.01-3	45Pel-6	35001-04	11.16
5,56 & 76	75-37	74-4%	52'-6'	10-11%	185P.0 9"	IOSPEI'-0	45Pe1-3	45Pe1-6	35Pe1-10-	11414

* * DIMENSIONS GIVEN ALONG & BEAM.

54

55

56 26 627.049 628.134

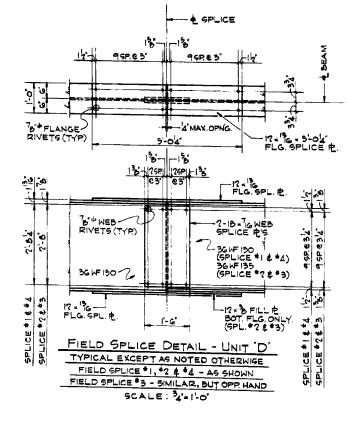
626.640 627.902 626.055 627.447 625.514 627.055

STRINGER LINE	18 4 22	19 \$ 21	20	STRINGER LINE
PIER 26 . & W. BRG.	623.996	624.096	674.176	
E FIELD SPLICE	624.721	624.821	624.901.	23
EPIER 27	674.913	675.013	625.093	24
& FIELD SPLICE ?	625.168	625.268	625.348	25
& FIELD SPLICE 3	625.660	625.760	625.840	26
EPIER 28		626.069		-
& FIELD SPLICE 4	626.201	676.301	626.381	
PIER ?9-4 5. BRG.				

_	TOP/WF EL	EVATI	0			
1	L HINGE - EL.C.	PIER 59		LOCATION	PIER 59	
	672.338	623.844			623.884	
	621.881	623.326		43 \$ 46	623.517	1
	621,412	622.771		44 8 47	623.117	1
	671.035	677.332		45 \$ 48	622.724	k
			' 1	26	622.363	k

<u>s - Ur</u>	· · · ·							
LOCATION			R 60	PIER 29	П	LOCATION	PIER ?9	PIER 30
RINGERLINE						STRINGER LINE	E W. BRG,	E. BZG.
	623.984					IB .	627.149	628.259
43 \$ 46	623.517	625.297	625.347	626.698		49	627.231	628.341
44 8 47	623.117	G24.783	624.847	626.269		50	627.293	628.403
	672.724					51	627.303	675.413
26	622.363	673.865	623.895	625.482		52	627.241	628.351
					΄ [	53	627.139	628.249
								the second s

-	the second second second	
	OPERTIES -	
3	SPAN CONTI	NUOUS
	26-27 4 28-29	27-28
tring. Line	19 THRU 21	19 THRU 21
	STEEL SEC	TION
l,	10627	7796
STS	533	437
585	G48	437
CC	MPOSITE SI	ECTION
Ic	24333	17837
STC	16594	14333
9ĸ	864	602

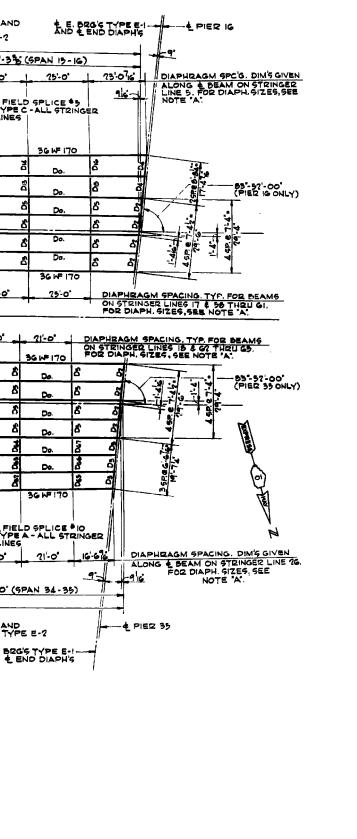


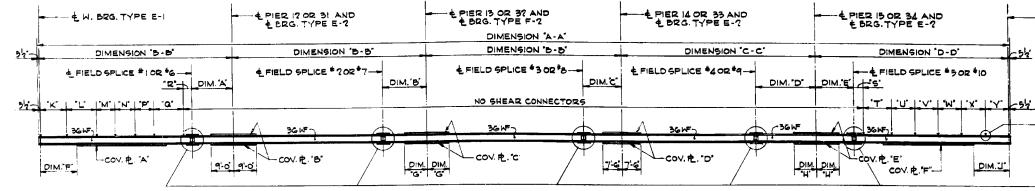
<u>ا</u>

	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT D STEEL DETAILS – LOCATION 6	F.A.P.	SECTION	COUNTY	TOTAL S	SHEET
LIN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016-2456	372	2013-039BP	СООК	209	95
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		I		CONTRACT	NO. 60	W76
 	PLOT DATE = 3/22/2017 12:19:09 PM	CHECKED -	REVISED -		SHEET NO. SF-8 OF SF-42 SHEETS		ILLINOIS FED.	AID PROJECT		

	AND & ENC	TYPE E-I Diaph's			RGS TYP	E E-2		<b>- e</b>	PIER 13 AND & BRG'S TYP 39	E ⊱-? Ľ-0 <b>%</b>		م و Pi ع	ER 14 AN BRG'S TY	D Pe 6.2			ier 15 and Brg's Ype e-2
PIM'S GIVEN ALONG	77'-9" (	5PAN 11-12)		<b> </b>	77'-0' (SF	PAN 12-13	>	-	77'-0" (6	PAN 13-14)			77'-0"	SPAN 14 -	15)	1	85-33
i i							1				1	-			22'-0"	1 15'-0"	25'-0'
9		LL STRINGER	101 01	1 T.		.ICE # ? - STRINGER			+ FIELD SF	LICE * 3	-			- 44 - 1			 
90°(TYP) ALL DIAPHZAGI INTO BEAM ON STRINGED			10'-6'		INE 7		<u> 7'-6'</u>		LINES		<u> </u>		ELD SPLIC E A-ALL S IS		24'-0"	17'-0	TYPE
	6 WE 170			36 WF 150							1						
	2 2	<u>کات</u>	8 8	2	2	កំ កំ			36 WF 150	<u> </u>		8	36 WF 150		36 WF 170		
90°-00'-00" ··	<u> </u>	ы Б	8 8	<u>। Do.</u> श	2	<u>රි රි</u>	¦ф		<u>a Do.</u> 8 -		<u> </u>		Dø.	970	0 _{Do,} 0		
(TYP. ALL PIEZG	00.	ය ර	8 8	00,	2  2	<u>ເຊັ່</u>	<u>}</u>				a 8	<u> </u>	De.	5 E	6 Do. 6	ā	
E.B. RDADWAY	<u>Do.</u> ປີ ດິ			<u> </u>	2				n Do.		2	ත්	Da	۵	<u>රී _{Do.} ද</u>	3 3	
AND P.G.L.			+	9 Do.		<u>ది ద</u>	÷		<u>8</u>		ප්	്		ő	8 6	8 8	I
9 0 0	Do. 5	6	ជំ ជំ	<u>}</u>	<u> 2</u>	<u>ది ద</u>	<u>+</u> \$		δ Do.		8	රී	Do.	۵	2 Do. 2	5 8	I
о <u></u>	GWF170	75	ප් ප්	2	8	ර ර		3	8 Do.	<u>ه ک</u> ما	[	ර්	Dø.	å	a ^{00,} a	3 8	
	20'-10" 20'-			36 WF 150	101.08				36 MF 150		Т		36 WF 150		36 WF 170		<b>T</b>
	20-10	0 10 10 10	14'-6'	19-6		19-0	19:-6"	17'-0"	?!-6'	21'-6'	17'-0'	17'-0'	19'-0'	19'-0'	22'-0"	15-0	25-0
		-90"(TYP) STE															
h-	20-10 20-		14'-6"		1 19'-0"	19.0	1 19'-6"	17'-0"	L 21'-6'	1 21'-6" 1	. 17'-0'	17'-0"	19'-0"	19'-0'	22'-0"	<u></u>	<b>6</b> .1 <b>6</b> ⁰
<u>`o</u>	6 HF 170		LÍ		36 W# 150				36 WF 150		<u> </u>					13.0	21'-0"
× · ·	De, 6	No la	8 8	3 8	Do.	<u>රි ර</u>	2	2	8	8 8 8	+ <u> </u>	8	36 WF 150	8	36 WF 190	2 8	8
W.B. ZOADWAY	De. 0	8	8 8	3 2	3 Do.	8 8	<b>•</b>	2	<u> </u>			8	<u> </u>	8			
AND P.G.L.	Do. 6	8	ය ප්	1				,	<u>De.</u>	<u>+(3)</u>			Do.			8	8
40'-00'-00'	10	8	8 8		2 <u>36 WF 190</u>		֥				4	<u> </u>	Do.	8	1 Do. 2	8 8	<u> </u>
(TYP. ALL PIERS					36 W# 170				<u>ਠੈ</u>		8	8	De.	6	đ _{De} , đ	8 d	å
	Do. 0	<u></u>	6 6		De.	8 8			160 Da.	8 8		3 8	Dø,	80 E	â _{De} , â	تتحد الانجا	
0 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Do, 0 (TY	2 2 2 C			Do,	6 Å			Do.		Se Se	<u>i</u> 1	De.	6 2	8 po. 6		
<u>•</u>	5 90°	378 2	22			24			Das		1	9 8	[	8 2	6 8		
	GW-170				36 W 170			-01-	36 WP 190	<u>- @ -</u>			36 NF 190	Ī	36 WF 190		
DIAPHRAGM LINE	<b>F_A</b>	8	16-6		- <b>-</b> -E		17'6	j			15.0				24'-0"	17'-0'	
OFFSETS.SEE SH.74.	+ FIELD SPLIC	E #G		TYPE E	O SPLICE	E 18.67.63 6			type d-ai	LICE #8		TYP	ELD SPLIC	STRINGER			TYPE
9.4		-INE 26,65,66 \$	G7	TYPE	- STR. LIN	E 76,65,66 (	G7	1.	LINES			17-016	19'-0"	19'-0'	72'-0"	15'-0"	21'-0"
<b> </b>  -	71-0'5 20-	0" - 20'-10"	-14'-6	19'-6"	19'-0"	19-0'16	19'-6"	- <u>'7'-0'</u>	?!-6	21-6	17'-0"		- 19-0		+	1	
PIM'S GIVEN ALONG & W.B. RDWY & P.G.L.		5PAN 30-31)			77'-0" (58	PAN 31-3?	<u>)                                    </u>		77'-0" (SF	AN 32-33)			-'-0" (4	PAN 33-3	4)		78'-0" (9
				1				1	38	6' '							
€ PIER 30	AND & END	TYPE E-I Diaph's		ؤ Pil غ	ER 31 AND BRG'S TYF	°E E·2			PIER 32 AND 4 BRG'S TYP	E F-2			EIZ 33 AN BRG'S TY	d De e-2			ER 34 AND BRG'S TYF
					F	RA	мім	JG	D I	. A N	-	ИU	· <del>·</del>	.E.			4 E. 520 AND 4 E

USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT E FRAMING PLAN - LOCATION 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
ers	CHECKED -	REVISED -			372	2013-039BP	СООК	209 96
	DRAWN -		DEPARTMENT OF TRANSPORTATION					NO. 60W76
NC ne	NG,LTD. neers PLOT SCALE =	NG,LTD. CHECKED - PLOT SCALE = DRAWN -	USEK NAME = Lin     DESIGNED -     REVISED -       NG,LTD.     CHECKED -     REVISED -       neers     PLOT SCALE =     DRAWN -     REVISED -	NG,LTD. PLOT SCALE = DRAWN - REVISED - STATE OF ILLINOIS PLOT DATE = 3/22/2017 12/19/17 PM CHECKED - PLOT SCALE = DRAWN - REVISED -	NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,LTD, NG,	NG_LTD_ PLOT SCALE = DRAWN - REVISED - REVISE	USER NAME = Lin       DESIGNED -       REVISED -       REVISED -       SECTION         NG,LTD,       CHECKED -       REVISED -       GRIG. UNIT E FRAMING PLAN - LOCATION 6       REF.       SECTION         neers       PLOT SCALE =       DRAWN -       REVISED -       DEPARTMENT OF TRANSPORTATION       STRUCTURE NO. 016-2456       372       2013-039BP	NG,LTD,       Destroate =       Destroate =       Revised =       Revised =       County         NG,LTD,       CHCKED -       REVIsed =       -       SECTION       COUNTY         Interest and the sector of t





# TYPICAL BEAM ELEVATION FOR DIMENSIONS NOT SHOWN & COVER PLATE SIZES, SEE 'TABLE I'

																						-	<u> </u>	<u>AB</u>	E	I	-																			$\neg$
STRINGER	1				DIN	ENSI	ONS	(GIV	EN AL	ONG	ŧΒ	EAM	)											¢,	SHEAR	CONNI	ECTO	25	PACIN	6						co	VERI	PLATI	E SIZE	- FC	OR CO	VER PL	ATE C	ETAIL	., 9EE '	SH. 63.
LINE	"A-A"	"B-8	5	c-c"	"D-D"	A		Ъ"	"C*	, D,	•	'E'	۲ <b>F</b> -	•		'н'	^ر '	'К'	"Ľ		"М"	'N'		<b>'</b> P'	'a'	י <u>פ</u> י		;• ]	" <b>T</b> "	- 'u'	-	' <b>v</b> '	"W"	'x'	'Y'	CO	V. 电. A	:   COV	1.电."5"	COV	/. t. C	COV.P	. D C	OV. 12.	E CO	V. # . "F"
5	396-93	5 77-	o" 7	7-0 6	87-107	16-6	5" F	7-6	15'-0"	74'-0	71 31	-0 6	14'-6"	7'-	6 1	1-0	11,-0,	145Pe9	12580	0 5	SPEI'6	45Pe2	0 59	P.e.I-6	125881-0	5-0	4-4	14 1	29P.09	135PE	1-0"	ISPel-G	45P.01'-	3 BSPEI	0' 205P.C	19" 11 x 7	6×36-0	0 11 + 3	, × 18-0	11×7 ₁₆	× 15-0	11 × 76 ×	15'0 11	- '2 × 22'	0   x7	s × 52'-0
57	395-92		7	7-0	B6-1015			•		24-0	<b>o'</b>   '	7'-0"		T		1-0	11'- <b>0'</b>				1		Τ				3-4	121	26P.e4	1 135P.C.	1-0   1	IISPel-6	49P.01'-	3 BSP.el	0° 2057.6	প	-		1		1					8 = 52-0
58	394-102	í		•	85-113							•				1-0	10-6				i						3'-11	14 1	25P.20	1' 135P.C	1-01	05P.21-6	45P.0 1-	3 85PE	0 2058.6	9					1		11	12 + 22	0 11.	5× 52.0
59	394-15				85-2%											0-0	12-6										3-2	226 10	SPEI	d GSP.e	1.0	75F82'0	GSP.et-	6 165P.01	0 129P.C	9			1		1		11	* 34 - 20	0 11+	6 × 49:0
60	393-3				84-4												12.0										4'-4	12				?6P.e7'0									1			-		6 . 19.0
61	397.63				83-73												12'-9'										3'-7	18				25P.e 2'0							<b>—</b>	T					11.8	6 \$47'0
17	391-8	5			02-92											1	12'-6'										4'-9	1210	66P.el-(	0 65P.e1	1'6'	15P.2.70	GSPEIL	G' IGGPEI'	0" 175P.E	9'			1							47-0
18	387-10	ő			76-119					T							13'-6"										4-	59,6 17	25Pe	0 96P.E	1'-6" .	45P.e 2-0	55P.01-	6" 125P.01	0" 149P.C	1			<b>—</b>						11.4	40'0
6?	387-14				78-26											0-0	13-6										3-8	86				45P.2 2-0		-			-	-		1	-		- i II.	1 × 20	-0 11	16×38-0
63	386-3				77'-4"							1				9'-0"	14'-6'	li			i						2'-X	0%				45P.82-0									-		. 11	1-3 × 18	-0° 11 x	16×36-0
64	385'-67	6			76'-73								14-6	7	6		14'-6	145PE	125P.0	1.0 5	SPel-6	45Pe2	0 5	Pei' C	125P.C 1-	3 3 0	14'-1	12			Į.	35P.e2'-0				11 x	16 × 36-	0 11 13	× 15-0	411-3	6×15-0		İn	× 5 × 16	-011	16×36-0
65	384-83	77-	0" -	<b>יס-'ד</b> ז'	75-93							1	11-6	" q'	·0'		14'-0	K65P.C	1 959	a'-0' 4	SPel-3	IOSPEI	611	FRE1-0	GSPE	4-0	1 3-:	32				35P.8 2'-0				111	6×47-	o'll's	4 × 10-0	r insta	× 16-0	<b>f</b>	11	N	- <b>0</b> 11-1	16 × 36-0
ତତ	384-0							1			0 1										P			1.		4-0	1 2'-	78				35P.e?'d		1 1			1		1		1		. 11	× 2 × 10	-0	NONE
67	363-4	5 77-0	7 50	7-06	74'-5	6 16-0	6	7'-6"	15'-0'	24-0	0"+ 1"	7'-0"+									•					4-0	6 3-1	1116				25Pe2'-d									-		11	x 2 x 18	b'-0'	NONE
76	382-8	6 77-0	0°6 7	7-076	73'-8	6 6 6		1-616	15-0	24-0	71 31 C	1-01,6	11-6	9	.0'	9'-0"	-	IGSRe	948	21'-0' 4	5P.0  -3	IOSPe I	-6 11	SPel-O	GSP.e	4-0	3-1	24 1	?5P.C.I-	0 55P.C	1-6	25P.62-0	55P.01-	6 175P.81	OLSPE	9111	1 × 47'-	0 11,3	4 × 10-C	× 11 × 2	1 × 18-0	Il a freat	15-0 11	* 2 * 18	-0	NONE

					Т	OP/W	ELE	V	TIONS - L	JNIT "	='						
	E	AST BO			Y						WEST	BOUN	D ROA	DWAY			
STRINGER LINE	5	57	58	59	60	61	71		STRINGER LINE	10	62	63	GA	65	66	67	26
PIER II - & W.BRG.	627.974	628.091	628.237	678.334	625.361	6/28.308	625.219		PIER 30- + H. BRG.	628.219	6/28.308	628.391	628.345	628.232	675.070	627.524	627.085
E FIELD SPLICE !!	678.887	628.998	629.145	629.242	629.200	629.215	629.127		& FIELD SPLICE *G	629.127	629.215	629.299	629.252	629. 140	628.855	628.547	628.294
E PIER 12	629.129	629.246	629.392	629.469	629.536	629.463	629.574									628.860	
+ FIELD SPLICE ?	630.022	630.138	630.285	630.382	630.428	630.335	630.267		+FIELD SPLICE *7	630.267	630.355	630.439	630.392	630.280	630.148	629.985	629.853
EPIER 13	630.254	630.401	630.547	630.644	630.691	630.618	630.579									630.253	
+ FIELD SPLICE 3									+FIELD SPLICE +8	631.459	631.548	631.631	631.585	631.472	631.351	631.199	631.077
EPIER 14	631.439	631.956	631.702	631.799	631.846	631.773	631.684		4 PIER 33	631.684	631.773	631.556	631.810	631.697	631.578	631.420	631.308
+ FIELD SPLICE 4									& FIELD SPLICE *9	632.479	632.968	632.651	632.605	632.492	637.380	632.237	632.124
PIER 15	637.594	632.711	632.857	632.954	633.001	G32.92B	632.059		4 PIER 34	632.839	632.928	633.011	637.969	632.852	632.745	632.604	632.494
+FIELD SPLICE \$5	632.849	632.966	633.112	633.209	633.256	633.183	633.094		& FIELD SPLICE NO	633.094	633.183	633.266	633.220	633.107	633.001	632.863	632.756
PIER IG - & E.BRG.									PIER 35 - 4 E. BRG.	634.074	634.100	634.17?	634.114	633.959	633.922	633.781	633.671

		GIVEN I		E BE	MS
C	N THE	HORIZON	NTAL.		

EQD	DIAPH.	LENGTH	NO. REQ'D		DIAPH.	LENGTH	NO.REQD
	D30	8-116	1		D49	7'-4'4	1
	D3I	8-14	2		D50	7'-3'16	1
	D32	8-08	I		D51	7-38	I
	D33	8.0%	i		D52	7'-3%	I
	D34	8-04	1		D53	7-12	1
	D35	7-104			D54	7-13	1
	D%	7' 10%			D55	7'-1"16	I
	D37	7.10%	1		D%6	6-113	1
	D38	7'-9"			D57	6-1175	1
	D39	7-916	1		D58	6-11-2	1
	D40	7'-9%	1		D59	6-104	1
	D41	7-776	1		DGO	6.10%	1
	D42	7'-7%			DGI	6 104	i
	D43	7'-7'6	I		Dez	6.8%	1
	D44	7-5 6	1	ļ	D63	6-9	1
	D45	7-6			DGA	6-916	1
	D46	7-616	1		D65	6-7%	1
	D47	7-49			D66	6 7%	
	D48	7-4%			D67	6-7%	

						Τ¢
DIAPH.	LENGTH	NO REOD		DIAPH.	LENGTH	NO.R
D	7'-4"	10		D15	8-4%	1
D,	9'-0'2'	3		Dig	8-4 3	1
D2	7-42	8		Di7	8-1015	2
D3	6-676	IJ		Diß	8-10	1
D4	8 B4	2		DIA	8-98	1
Dy	7'-4"	96		D20	8-9%	2
De	7'-4'	84		D21	8-776	1
D7	7-4%			D22	8 72	2
Do	7-44	1		D73	8-6%	2
Dq	7-73	I		D24	8-63	1
Dio	7'-75	I		D25	8-44	2
DII	7-92			D26	8-4 6	I I
D12	7'-93	1		D27	8-36	
DIB	8'-1'	1	Ì	D7B	8-34	I
D14	8 03	i	J,	Dzq	8-316	1

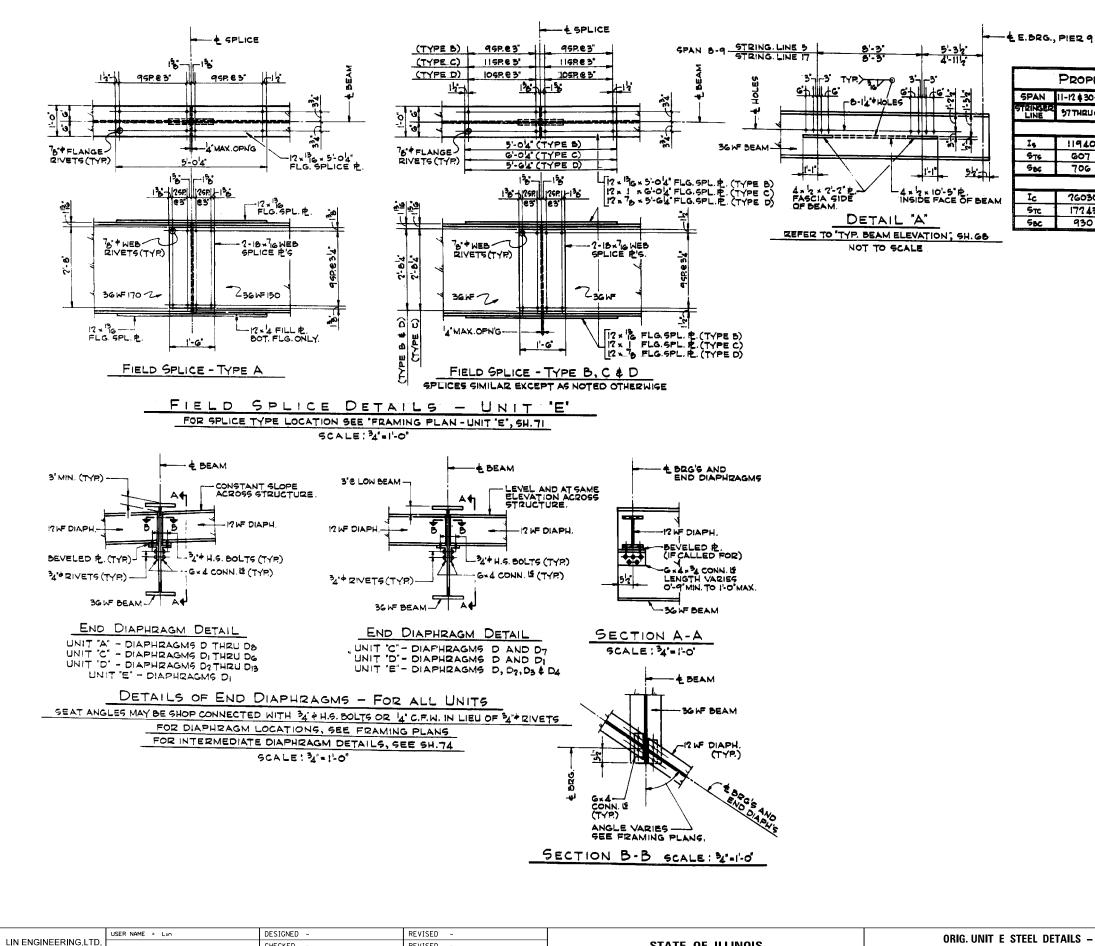
	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. UNIT E BEAM DATA – LOCATION 6	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
LIN ENGINEERING,LTD. Consulting Engineers		CHECKED -	REVISED -	STATE OF ILLINOIS	STRUCTURE NO. 016-2456	372	2013-039BP	СООК	209	97
	PLOT SCALE =		REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 60	DW76
	PLOT DATE = 3/22/2017 12:19:25 PM	CHECKED -	REVISED -		SHEET NO. SF-10 OF SF-42 SHEETS		ILLINOIS FED.	AID PROJECT		

E

57 SHEAR CONN. SPACING - SEE "TABLE I"

-SHEAR CONNECTOR (TYP.) FOR DETAIL, SEE SH.63

-FIELD SPLICE - FOR TYPE & LOCATION SEE FRAMING PLAN, SH.71. FOR DETAILS, SEE SH.73.

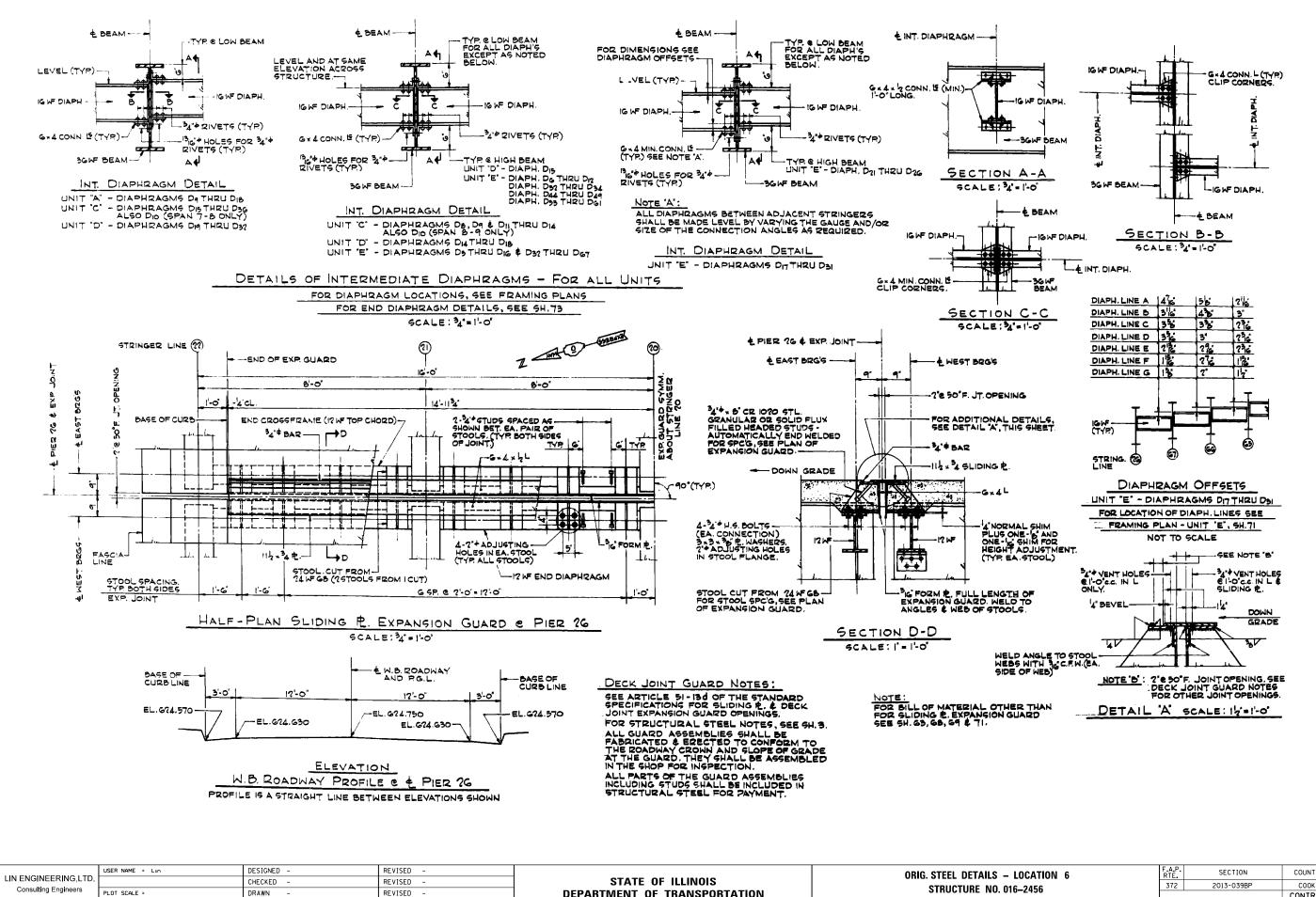


	USER NAME = Lin	DESIGNED -	REVISED -	
LIN ENGINEERING, LTD.		CHECKED -	REVISED -	STATE OF ILLINOIS
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION
Springfield, Illinois	PLOT DATE = 3/22/2017 12:19:32 PM	CHECKED -	REVISED -	

L

PROPER	TIES - L	JNIT E	- 3 SPAN	CONTINUO	US E		
-12 \$ 30-31	30-31 IS-IG		15-1G	15-16	15-16		
THRU GA	65,66,67	57,58	59,60,61	GI THRUGS	66,67		
STEEL SECTION							
11940	12326	13237	12700	11940	10470		
607	613	678	619	607	579		
706	742	829	777	706	579		
COMPOSITE SECTION							
26030	27099	29696	28151	26030	22140		
17243	17535	18199	17611	17243	16067		
930	975	1091	1022	930	767		

					I
AILS – LOCATION 6	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–2456	372 2013-039BP		СООК	209	98
. 010-2450	CONTRACT NO. 60W			0W76	
SF-42 SHEETS	ILLINOIS FED. AID PROJECT				



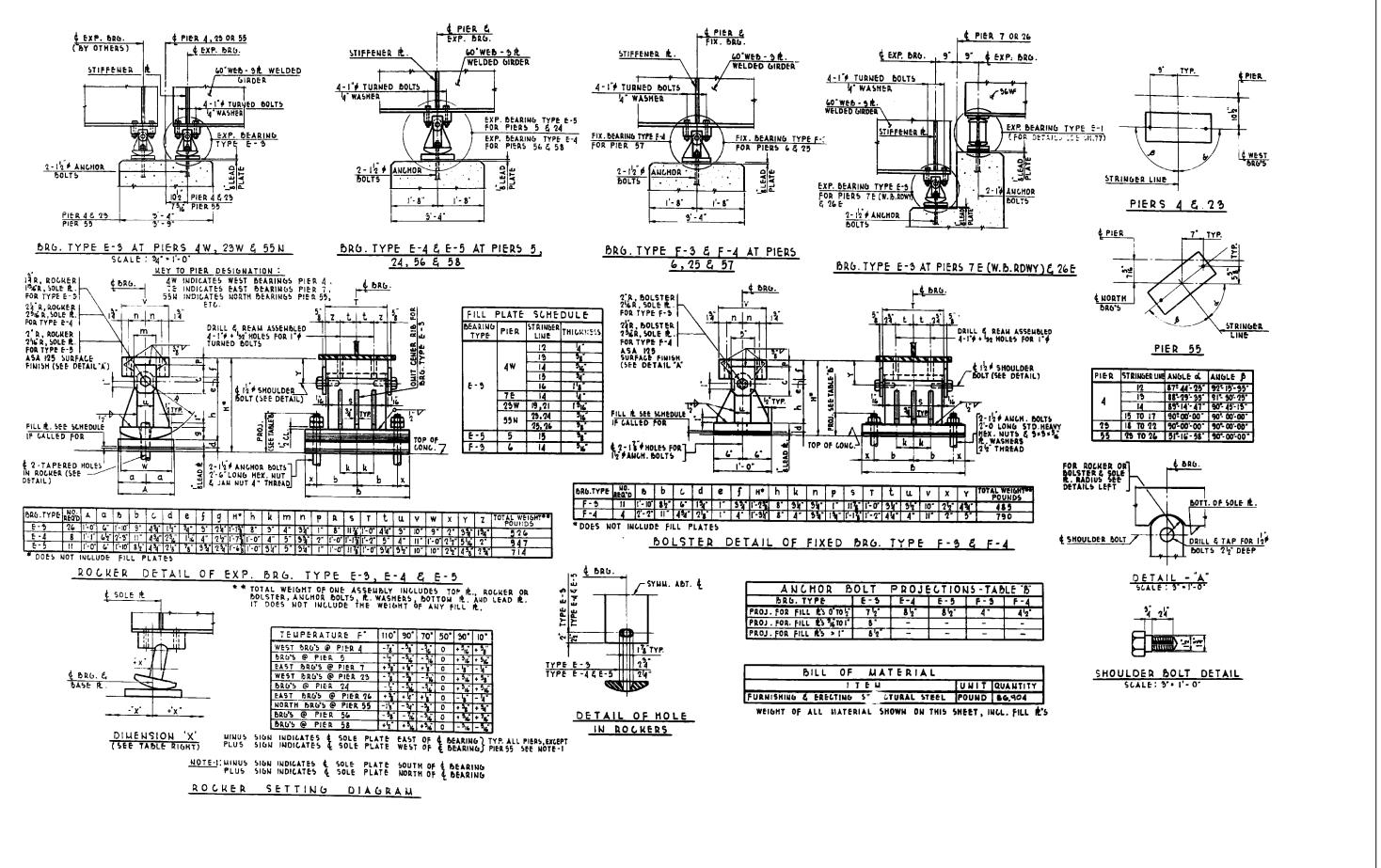
REVISED **DEPARTMENT OF TRANSPORTATION** SHEET NO. SF-12 OF S REVISED

Springfield, Illinois

PLOT DATE = 3/22/2017

12:19:40 PM CHECKED -

					I
– LOCATION 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
. 016–2456	372	2013-039BP	СООК	209	99
. 010-2450			CONTRACT	NO. 6	0W76
SF-42 SHEETS	ILLINOIS FED. AID PROJECT				



LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois PL	USER NAME = Lin	DESIGNED -	REVISED -		ORIG. BEARING DETAILS – LOCATION 6 STRUCTURE NO. 016–2456	F.A.P. SECTION	COUNTY TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		372 2013-039BP	СООК 209 100
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 60W76
	PLOT DATE = 3/22/2017 12:19:47 PM	CHECKED -	REVISED -		SHEET NO. SF-13 OF SF-42 SHEETS	ILLINOIS FED.	AID PROJECT

NAME