06-12-2020 LETTING ITEM 064

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	(1) BP	PIKE	7	1
	(HIGHWAYS)	CONTRACT NO. 72L56		

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 304 (IL 96)
SECTION (1) BP
PROJECT STP-EZ9T-(765)
BRIDGE PAINTING
PIKE COUNTY

C-96-035-20

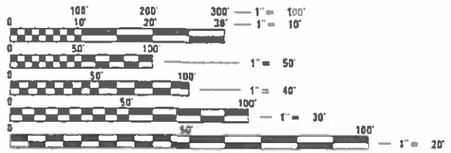
D-96-021-20

LOCATION OF SECTION INDICATED THUS:- ▬

FOR INDEX OF SHEETS, SEE SHEET NO. 2

N

PROJECT LOCATION
SN 075-0036
IL 96 OVER HADLEY CREEK
0.5 MI S KINDERHOOK



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

BRIDGE MAINTENANCE ENGINEER: BRANDON DUDLEY – (217) 785-9290

GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

CONTRACT NO. 72L56

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 11 20 19
REGIONAL ENGINEER

MAY 8 20 20
ENGINEER OF DESIGN AND ENVIRONMENT

MAY 8 20 20
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

INDEX OF SHEETS

1	COVER SHEET	000001-07
2	INDEX, STANDARDS, GENERAL NOTES, & SIGNATURES	001006
3	SUMMARY OF QUANTITIES	701001-02
4-7	EXISTING BRIGDE PLANS LOCATION #1: SN 075-0036	701006-05
		701201-05
		701301-04
		701901-08

GENERAL NOTES:

1. WORK SHALL CONSIST OF BLASTING AND PAINTING STRUCTURAL STEEL AT LOCATIONS DESCRIBED IN THE SPECIAL PROVISIONS. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL AREAS TO BE PAINTED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING PER SSPC SP 10. ALL EXISTING STEEL CLEANED SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 - OZ/E/U. THE COLOR OF THE FINAL FINISH COATS SHALL BE AS DESCRIBED IN THE SPECIAL PROVISIONS.

2 THE USE OF AIR MONITORS WILL NOT BE REQUIRED.

3. CONTAINMENT OF CLEANING RESIDUE IS REQUIRED TO CONTROL NUISANCE DUST. SEE SPECIAL PROVISIONS.

4. SSPC OP1 (AND SSPC OP2) CERTIFICATION IS REQUIRED FOR THIS CONTRACT.

5. CARE SHALL BE TAKEN NOT TO DAMAGE RUBBER BEARING OR JOINT COMPONENTS DURING BLASTING AND CLEANING OPERATIONS. ANY DAMAGE TO THESE COMPONENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. RUBBER COMPONENTS SHALL NOT BE PAINTED.

6. UPON COMPLETION OF PAINTING OPERATIONS. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM PIER OR ABUTMENT CAPS UPON WHICH PAINTING OPERATIONS TOOK PLACE. FINAL CLEANUP SHALL BE CONSIDERED INCIDENTAL TO THE PAINT PAY ITEM FOR THE RESPECTIVE LOCATION. THE ENGINEER SHALL HAVE THE RIGHT TO WITHOLD PAYMENT UNTIL SATISFACTORY CLEANUP IS ACHIEVED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED 11/20 20 19

ENGINEER OF OPERATIONS

EXAMINED 12-3 20 19

ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED 12/6 20 19

ENGINEER OF PROGRAM DEVELOPMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STANDARDS, GENERAL NOTES, & SIGNATURES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	(1) BP	PIKE	7	2
		CONTRACT NO. 72L56		
	ILLINOIS FED. AID PROJECT			

6-01414-0060
STP 80/20
SN 075-0036
0047
PIKE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1

REV. - MS

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PLOT DATE = 12/10/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	(1) BP	PIKE	7	3
		CONTRACT NO. 72L56		
	ILLINOIS FED. AID PROJECT			

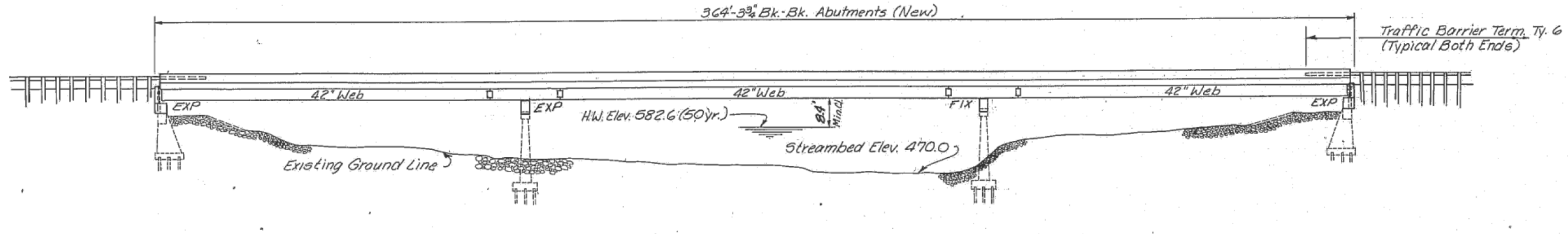
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	1 BR	Pike	25	6

F.HW.A. REG. | ILLINOIS | PROJECT

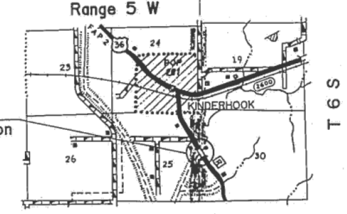
Existing Structure - (075-0036) 3 Span Cast-in-place, Reinforced Concrete & Steel I-Beam Structure, Open Concrete Abuts., Solid Concrete Piers. Contractor shall remove the existing superstructure and portions of the existing substructures. Superstructure shall be widened and longer R.C. caps added to the substructures. Traffic shall be maintained at all times utilizing stage construction.

No Salvage.

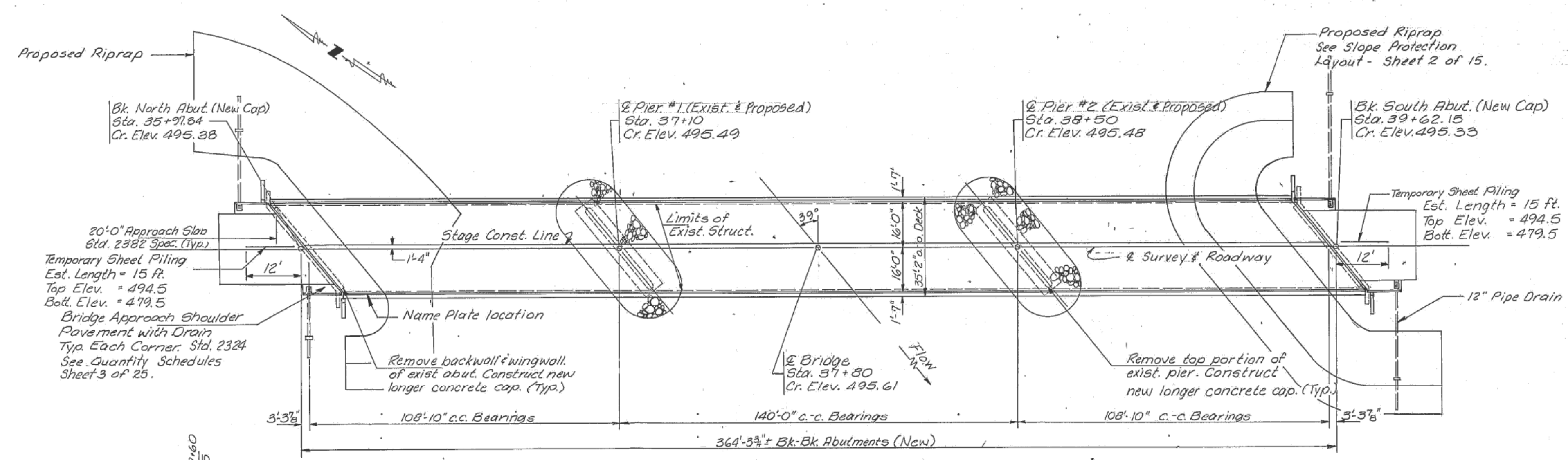
Benchmark H927 - Chiseled "□" Top of North Abutment, West End Elev. 494.96



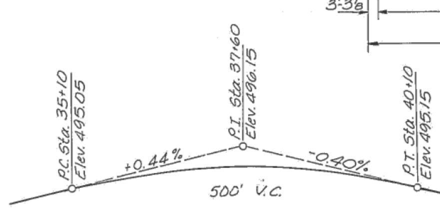
ELEVATION



LOCATION SKETCH



PLAN



PROPOSED PROFILE GRADE

Along ℄ Rdwy.- F.A. 2

Robert E. Gates
Illinois Structural Engineer 2675 (Exp. 11-30-90)
September 25, 1990

DESIGN STRESSES

f'c=3,500 p.s.i.
fy=60,000 (Reinf.)
fy=50,000 (Struct.) M 223 Gr. 50
fy=36,000 (Struct.) M 183
The design complies with requirements of the 1989 AASHTO Standard Specifications for Highway Bridges

Loading HS 20-44 (New Construction)
Future Wearing Surface Will Not Be Permitted

WATERWAY INFORMATION

Drainage Area =72.7 Sq. Mi. Low Grade Elev. 490.77 @ Sta. 30+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	50	18,100	2270	2270	484.48	1.04	1.04	485.52	485.52
Base	100	20,200	2395	2395	484.94	1.18	1.18	486.12	486.12
Overtopping									
Max. Calc.	500	25,100	2672	2672	485.95	1.46	1.46	487.41	487.41

STATION 37+80
BUILT 199 BY
STATE OF ILLINOIS
F.A. RTE. 2 SECTION 1 BR
F.A. PROJECT E-304(1)
LOADING HS-20
STR. NO. 075-0036

LETTERING FOR NAME PLATE
(SEE STD. 2113)

APPROVED
FOR STRUCTURAL ADEQUACY OF NEW CONSTRUCTION ONLY
Licensed Structural Engineer

GENERAL NOTES

CLASS X CONCRETE SHALL BE USED THROUGHOUT.

THE ZINC-SILICATE AND VINYL PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE VINYL FINISH COATS SHALL BE MUNSELL NO. 7.5G 4/8 INTERSTATE GREEN.

FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS OR GIRDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.

ANCHOR BOLTS SHALL BE SET BEFORE BOLTING DIAPHRAGMS OVER SUPPORTS.

BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY GRINDING THE SURFACE OR SHIMMING THE BEARING. TWO 1/8 INCH ADJUSTING SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS. FOR TYPE I ELASTOMERIC BEARINGS, SHIMS OF THE DIMENSIONS OF THE TOP PLATE SHALL BE PROVIDED AND PLACED AS DETAILED.

THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ZONE 2. THESE COMPONENTS ARE THE TENSION FLANGES, WEBS AND ALL THEIR SPLICE PLATE MATERIAL.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 or M-53 GRADE 60.

CALCULATED WEIGHT OF STRUCTURAL STEEL 343,350 LBS. (M223) Gr. 50
26,250 LBS. (M183)

FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 7/8 INCH DIAMETER, OPEN HOLES 15/16 INCH DIAMETER, UNLESS OTHERWISE NOTED.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE INFORMATION SHOWN FOR THE TEMPORARY SHEET PILING IS ESTIMATED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A DESIGN AND COMPUTATIONS FOR THE TEMPORARY SHEET PILING AND ASSOCIATED MEMBERS AS REQUIRED, SUBJECT TO THE APPROVAL OF THE ENGINEER.

SHOULDER TRANSITION TO EXISTING WINGWALL SHALL BE SHAPED WITH BROKEN CONCRETE. COST INCLUDED IN THE CONTRACT.

* BRIDGE SEAT SEALER SHALL BE APPLIED TO THE SEAT AREA OF THE ABUTMENTS. ESTIMATED QUANTITY = 20.6 SQ. YDS.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		219	219
Slope Wall Removal	Sq. Yd.		263	263
Structure Excavation	Cu. Yd.		73	73
Floor Drains	Each	32		32
Neoprene Expansion Joint 2"	Lin. Ft.	44		44
Neoprene Expansion Joint 4"	Lin. Ft.	44		44
Class X Concrete Superstructure	Cu. Yd.	409.7		409.7
** Protective Coat	Sq. Yd.	294		294
Elastomeric Bearing Assembly, Type I	Each		6	6
Elastomeric Bearing Assembly, Type III	Each		6	6
Class X Concrete	Cu. Yd.		68.7	68.7
Furnishing & Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	3156		3156
Reinforcement Bars Epoxy Coated	Pound	91,490	8,630	100,120
Temporary Sheet Piling	Sq. Ft.		360	360
Name Plates	Each	1		1
Stone Riprap Class A5	Sq. Yd.		1520	1520
Temporary Concrete Barrier	Lin. Ft.	360		360
Filter Fabric for use with Riprap	Sq. Yd.		1272	1272
* Bridge Seat Sealer	L. Sum		1	1

** Quantity does not include bridge deck surface

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 96 OVER
HADLEY CREEK
F.A. RTE. 2 SECTION 1 BR
STATION 37+80
PIKE COUNTY
STRUCTURE NUMBER 075-0036

auby, oglesby & bartolomucci — consulting engineers, land surveyors, planners
1323 south first street / springfield, illinois 62704

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Rev. 9-25-90

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PLOT DATE = 12/10/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

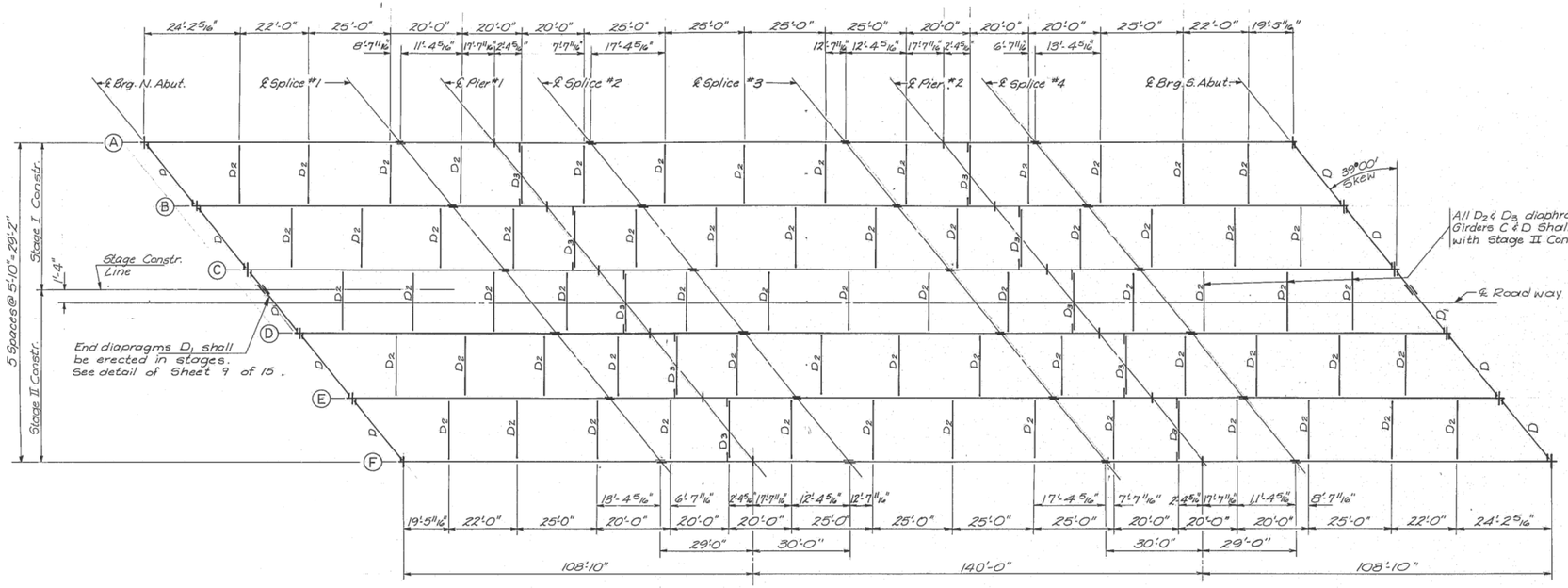
EXISTING PLANS, SN 075–0036
(FOR INFORMATION ONLY)

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	(1) BP	PIKE	7	4

CONTRACT NO. 72L56
ILLINOIS FED. AID PROJECT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	1 BR	Pike	25	13
F.H.W.A. REG.	ILLINOIS	PROJECT DHF-27		

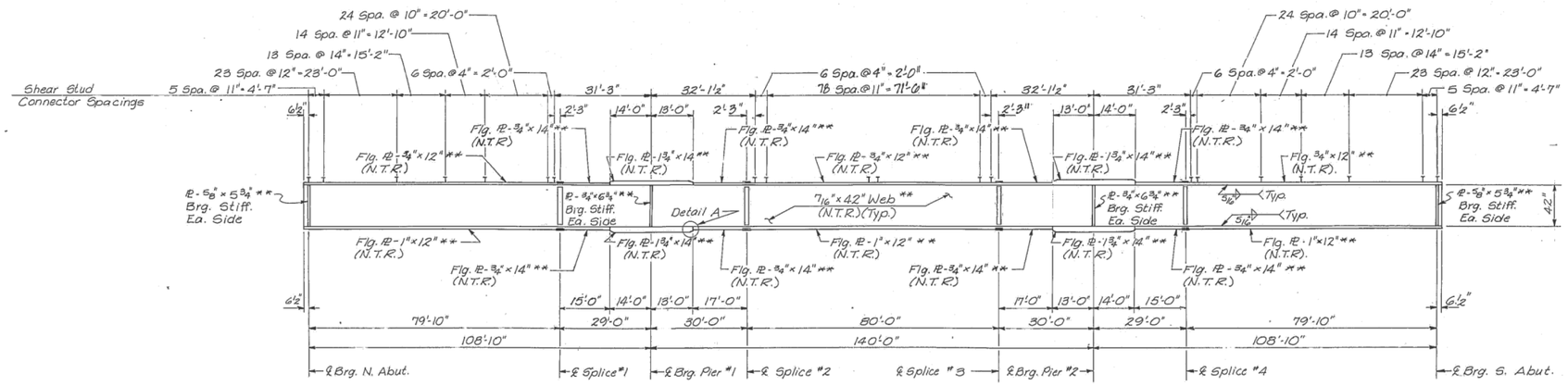


PLAN - STRUCTURAL STEEL

INTERIOR GIRDER MOMENT TABLE				
		0.4 Span #1 & 0.6 Span #3	Pier #1 or #2	0.5 Span 2
I_S	(in^4)	12,250	26,148	12,250
I_C (n=9) ℄	(in^4)	30,509	-	30,509
I_C (n=27) ℗	(in^4)	22,298	-	22,298
S_S	(in^3)	602	1,149	602
S_C (n=9) ℄	(in^3)	828	-	828
S_C (n=27) ℗	(in^3)	757	-	757
D.L.	(K/I)	0.770	1.01	0.770
M_{DL}	('K)	517	1512	498
S.D.L.	(K/I)	0.140	-	0.140
M_{SDL}	('K)	110	-	122
M_{LL}	('K)	749	758	815
M_{TMP}	('K)	157	153	154
$S_3(M_{LL}+I)$	('K)	1510	1518	1614
Ma	('K)	2778	3939	2904
f_S (DL-Non Comp)	(KSI)	10.3	15.8	9.9
f_S (DL-Comp)	(KSI)	1.8		1.9
f_S (S_3LL+I)	(KSI)	21.9	15.9	23.4
f_S (Overload)	(KSI)	34.0	31.7	35.2
f_S (Total)	(KSI)	44.2	41.2	45.7
V_R	(K)	471.0		41.2

INTERIOR GIRDER REACTION TABLE			
		ABUT.	PIER
R_{DL}	(K)	34.9	127.8
R_{LL}	(K)	38.5	66.7
R_{TMP}	(K)	8.3	13.4
R_{TOTAL}	(K)	81.7	207.9

Notes:
I_S and S_S are the Moment of Inertia and Section Modulus of the steel section.
Ic and Sc are the Moment of Inertia and Section Modulus of the composite section used in computing f_S for bottom flange.
V_R is the maximum LL + Impact Shear Range in span used to determine Shear Connector spacing.
M_a (Applied Moment) = $1.3[M_{DL}+M_{SDL}+S_3(M_{LL}+I)]$
f_S (Overload) is the sum of the stresses due to $M_{DL}+S_3(M_{LL}+I)$
f_S (Total) is the sum of the stresses due to $1.3[M_{DL}+M_{SDL}+S_3(M_{LL}+I)]$
* Non-Compact Section



GIRDER ELEVATION

See Sheet 9 of 15 for Detail A.

** AASHTO M-223 Grade 50 N.T.R. indicates Notch Toughness Requirements are applicable.

BILL OF MATERIAL

ITEM		QUANTITY
Furnishing and Erecting Structural Steel	Lump Sum	1
Stud Shear Connectors	Each	3160

STRUCTURAL STEEL
ILLINOIS ROUTE 96 OVER
HADLEY CREEK
F.A. RTE. 2 SECTION 1 BR
STATION 37+80
PIKE COUNTY
STRUCTURE NUMBER 075-0036

auby, oglesby & bartolomucci
consulting engineers land surveyors planners
1323 south first street / springfield, illinois 62704

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CHECKED	7/17/90	89-43(H)	8 of 15

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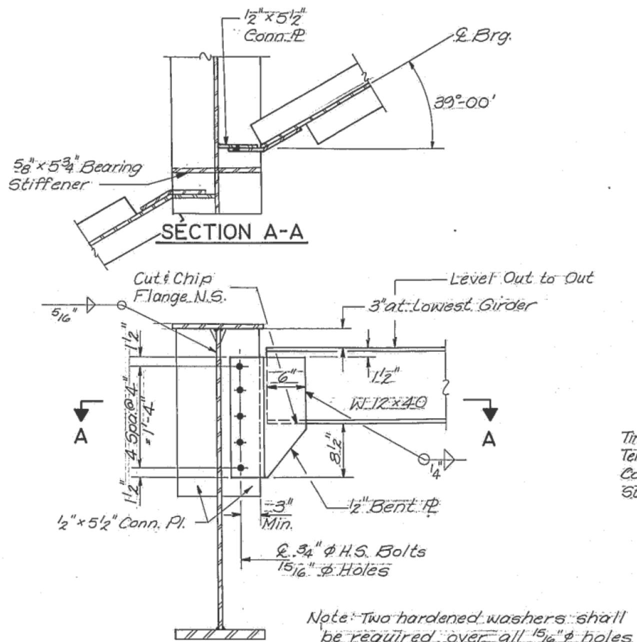
PLOT DATE = 12/10/2019	DATE -	REVISED -	

EXISTING PLANS, SN 075-0036
(FOR INFORMATION ONLY)
SCALE: SHEET OF SHEETS STA. TO STA.

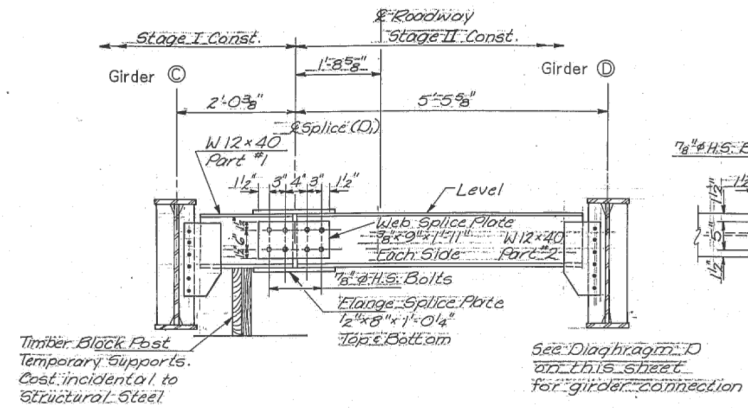
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	(1) BP	PIKE	7	5
		CONTRACT NO. 72L56		
	ILLINOIS FED. AID PROJECT			



Note: Two hardened washers shall be required over all 15/16" φ holes in diaphragm connections.

END DIAPHRAGM D

(No. Req'd. = 8)

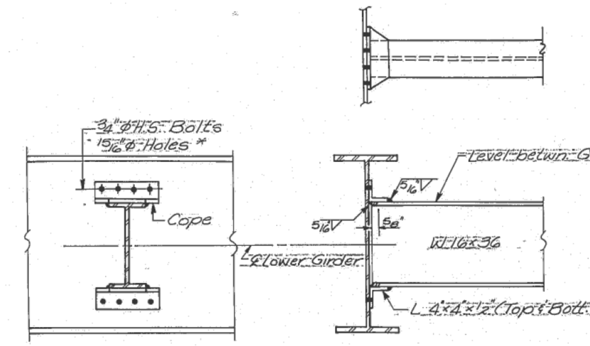


END DIAPHRAGM D_1

(No. Req'd. = 2)

DIAPHRAGM D_1 CONSTRUCTION SEQUENCE

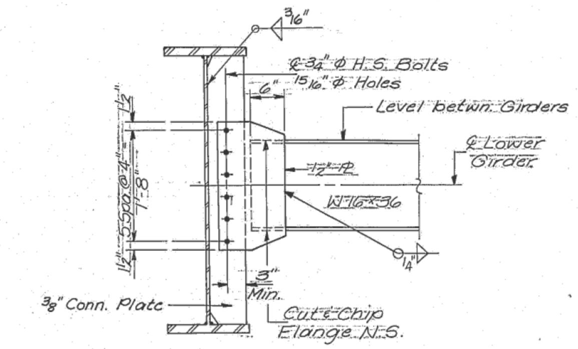
1. Attach part #1, with top splice plate attached, to Girder C during Stage I Construction.
2. Place Temporary Support System between part #1 of diaphragm D_1 and the abutment bearing seat and complete Stage I Construction.
3. Attach part #2 of diaphragm D_1 to both Girder D and part #1 during Stage II Construction.
4. Remove Temporary Support System.



INTERIOR DIAPHRAGM - D_2

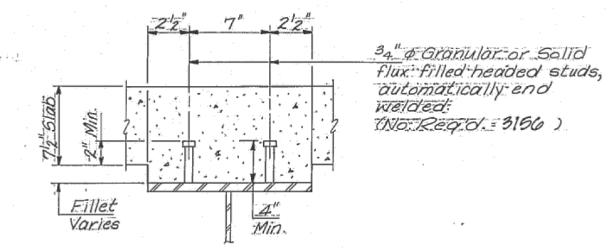
(No. Req'd. = 65)

*Use 1 1/2"×13/16" slotted holes in connection angles for ℄ Rdwy side of Girder D. Use 5/16" structural plate washer over slotted holes. The bolts for the slotted holes shall only be finger-tightened prior to the deck slab pouring and then be fully-tightened after the completion of the pouring.

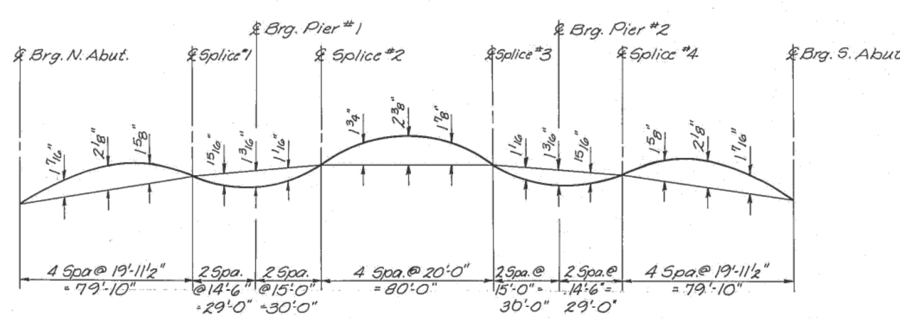


INTERIOR DIAPHRAGM AT PIER - D_3

(No. Req'd. = 10)



SHEAR STUD CONN. DETAIL



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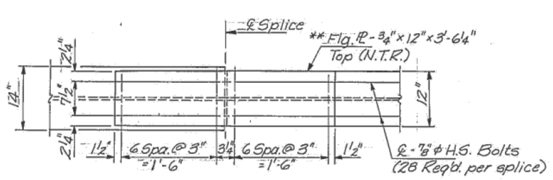
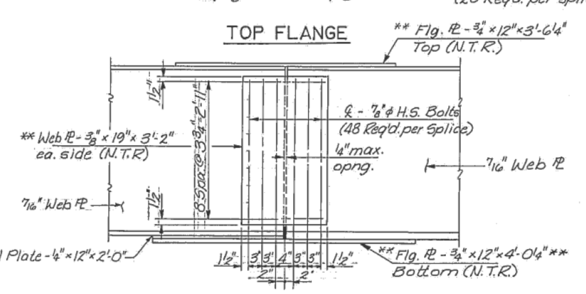
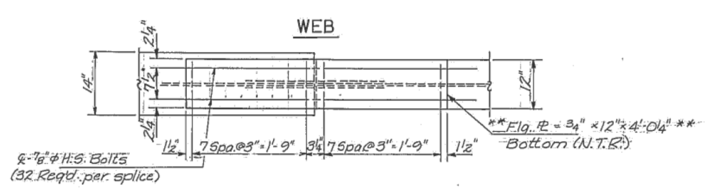


TOP FLANGE



WEB



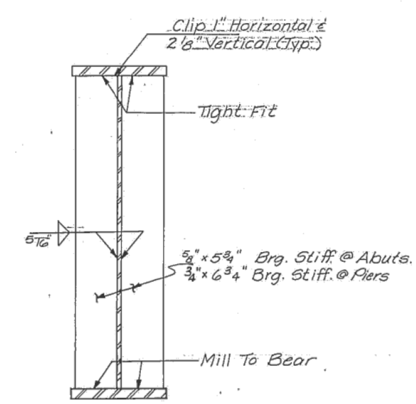
BOTTOM FLANGE SPLICE DETAIL

** AASHTO M-223 Grade 50

TOP OF WEB ELEVATIONS***

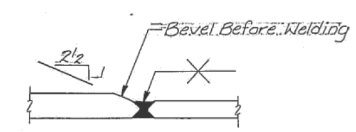
	Girder A	Girder B	Girder C	Girder D	Girder E	Girder F
℄ Brg. N. Abut.	494.355	494.474	494.579	494.593	494.514	494.423
℄ Splice #1	494.558	494.670	494.769	494.777	494.693	494.594
℄ Brg. Pier #1	494.507	494.616	494.713	494.717	494.631	494.531
℄ Splice #2	494.654	494.762	494.856	494.857	494.769	494.667
℄ Splice #3	494.659	494.760	494.848	494.843	494.748	494.640
℄ Brg. Pier #2	494.515	494.614	494.699	494.692	494.595	494.484
℄ Splice #4	494.571	494.667	494.750	494.742	494.642	494.529
℄ Brg. S. Abut.	494.378	494.468	494.544	494.529	494.423	494.304

*** For fabrication only.



@ Piers & Abuts.

BEARING STIFFENERS



DETAIL A

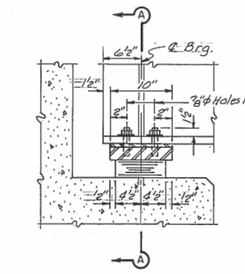
FLANGE TRANSITION

STRUCTURAL STEEL DETAILS
ILLINOIS ROUTE 96 OVER
HADLEY CREEK
F.A. RTE. 2 SECTION 1 BR
STATION 37+80
PIKE COUNTY
STRUCTURE NUMBER 075-0036

auby, oglesby & bartolomucci — consulting engineers, land surveyors, planners
1323 south first street / springfield, illinois 62704

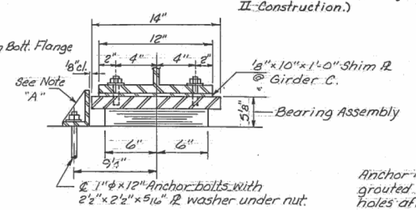
DRAWN TMW / CHECKED REG	DATE 7/17/90	JOB NO. 89-43(H)	SHEET NO. 9 of 15

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2	1 BR	Pike	25	15
F.H.W.A. REG.	ILLINOIS	PROJECT:		



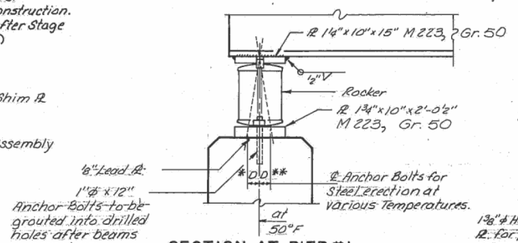
ELEVATION AT SOUTH ABUT.

Note "A":
Side Retainer (at inside face of exterior girders & inside face of Girder "2" during Stage I Construction. Remove Girder "C" retainer after Stage II Construction.)

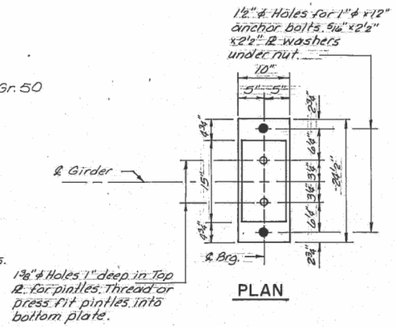


SECTION A-A

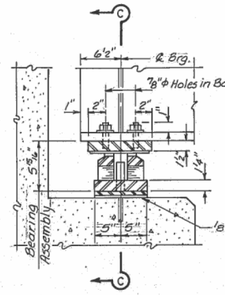
TYPE I TFE ELASTOMERIC EXP. BRG.



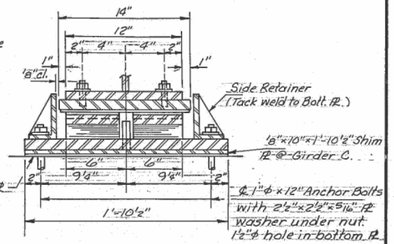
SECTION AT PIER #1
(EXPANSION)



PLAN

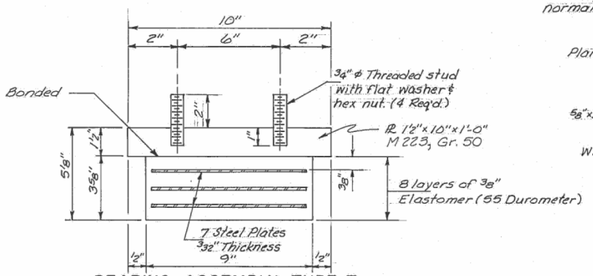


ELEVATION AT NORTH ABUT.



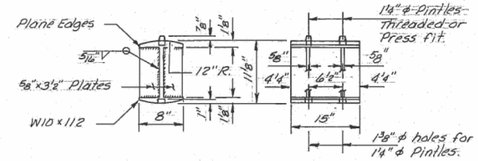
SECTION C-C

TYPE III TFE ELASTOMERIC EXP. BRG.

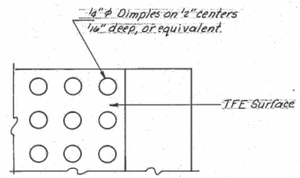


BEARING ASSEMBLY TYPE I

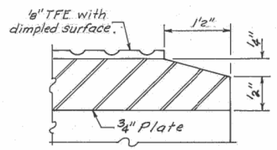
Note: shim plates shall not be placed under Bearing Assembly.



DETAIL OF ROCKER AT PIER #1



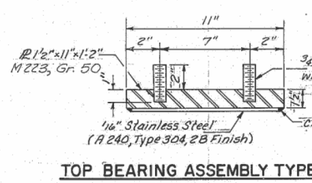
PLAN-TFE SURFACE



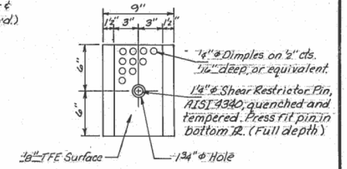
SECTION THRU TFE
(Typical Type III)

Note: The ⅛" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification. MMM A-134, Type 1. The bond agent shall be applied on the full area of the contact surfaces.

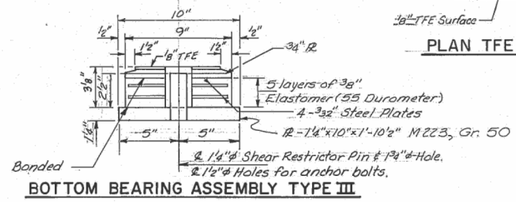
Note: Bonding of ⅛" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



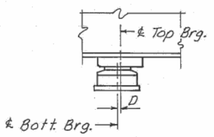
TOP BEARING ASSEMBLY TYPE III



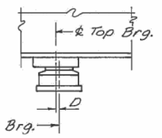
PLAN TFE SURFACE



BOTTOM BEARING ASSEMBLY TYPE III



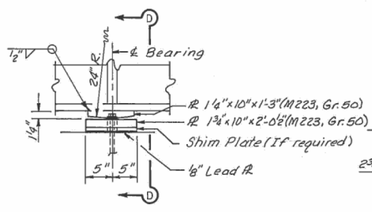
BELOW 50°F
(Move bottom bearing away from fixed bearing)



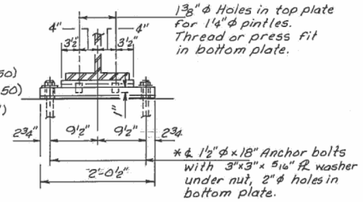
ABOVE 50°F
(Move bottom bearing toward fixed bearing)

SETTING ANCHOR BOLTS AT EXP. BRG.

D= ⅛" per each 100' of expansion for every 15° temp. change from the normal temperature of 50°F.

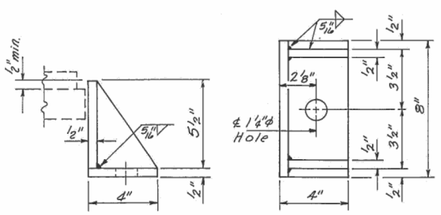


ELEVATION AT PIER #2



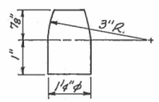
SECTION D-D

FIXED BEARING
6 Required



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



DETAIL OF PINTLE

BILL OF MATERIAL

ITEM		QUANTITY
Elastomeric Bearing Assembly, Type I	Each	6
Type III	Each	6

BEARINGS
ILLINOIS ROUTE 96 OVER
HADLEY CREEK
F.A. RTE. 2 SECTION 1 BR
STATION 37+80
PIKE COUNTY
STRUCTURE NUMBER 075-0036

auby, oglesby & bartolomucci
consulting engineers
land surveyors
planners
1323 south first street / springfield, illinois 62704

DRAWN B.W.W.	DATE	JOB NO.	SHEET NO.
CHECKED R.E.A.	7/17/90	89-43(H)	10 of 15

USER NAME = dudleybm	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/10/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS, SN 075-0036
(FOR INFORMATION ONLY)

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	(1) BP	PIKE	7	7
		CONTRACT NO. 72L56		
	ILLINOIS	FED. AID PROJECT		