06-13-2025 LETTING ITEM 245

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D6 BRIDGE REPAIR 2025	VARIOUS	22	1
	ILLINOIS	CONTRACT NO. 72940		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

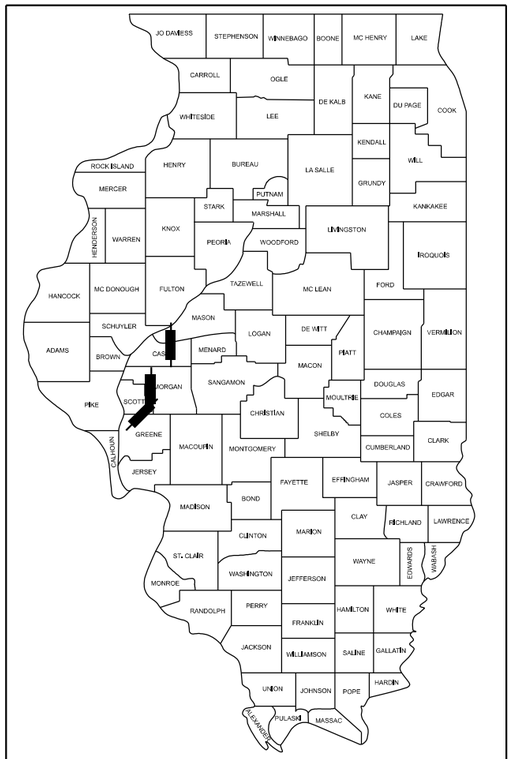
D-96-030-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

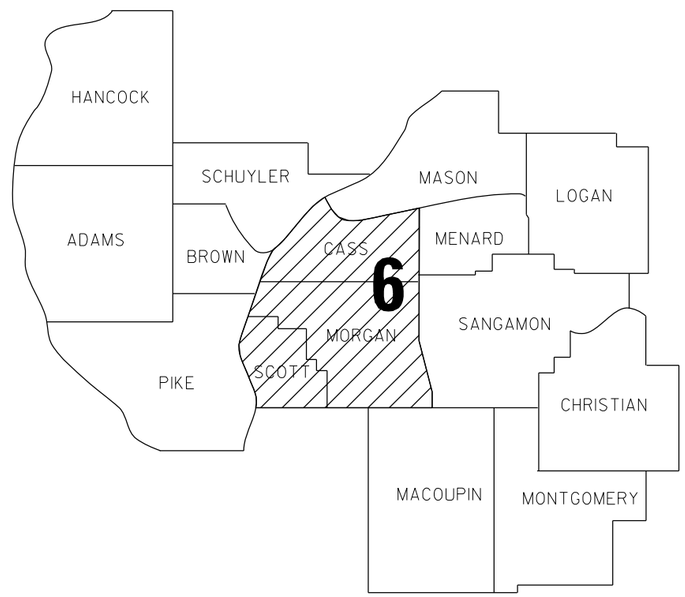
PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D6 BRIDGE REPAIR 2025
PROJECT (STATE ONLY)
BRIDGE APPROACH DIP CORRECTIONS
VARIOUS COUNTIES

C-96-064-25



LOCATION OF SECTION INDICATED THUS: - ▬



0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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 EXCAVATION
1-800-892-0123
OR 811

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 4, 20 25
REGIONAL ENGINEER

March 21, 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 20 25
DIRECTOR OF HIGHWAYS, PROJECT IMPLEMENTATION

PROJECT ENGINEER: BRANDON DUDLEY - (217) 785-9290
PROJECT MANAGER

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

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 72940

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08
001001-02
001006
701001-02
701006-05
701101-05
701106-02
701201-05
701400-12
701401-13
701411-09
701901-10

GENERAL NOTES:

WORK SHALL CONSIST OF CORRECTING BRIDGE APPROACH DIPS AT THE STRUCTURES SHOWN IN THE PLANS AND PER THE SPECIAL PROVISIONS.

GRADE CORRECTIONS SHALL BE CONCENTRATED WITHIN THE TRAFFIC LANES AND SHALL TAPER OUT ACROSS THE PAVED SHOULDERS SUCH THAT THE OUTSIDE EDGES OF THE SHOULDERS REMAIN AT OR NEAR THEIR EXISTING ELEVATIONS.

THE CONTRACTOR MAY NEED TO INJECT FOAM AROUND SHOULDER INLETS AT A GREATER DEPTH THAN THE SURROUNDING PAVEMENT IN ORDER TO GET UNDER THE INLET BOX. COST TO BE INCLUDED IN THE BID PRICE FOR FOAM, EXPANDING POLYERETHANE, HIGH-DENSITY.

CARE SHALL BE TAKEN WHILE INJECTING FOAM AROUND SHOULDER INLETS AS TO NOT DAMAGE THE INLET DRAIN PIPES. DAMAGE TO PIPE CONNECTIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

EXPANDING FOAM QUANTITY ESTIMATES WERE BASED ON 1 SQ FT * IN = 1 POUND

HIGH-DENSITY FOAM SCHEDULE (ESTIMATED)

SN	NORTH OR WEST APPR. (POUNDS)	SOUTH OR EAST APPR. (POUNDS)	TOTALS
009-0510	3911	2075	5986
009-0512	849	904	1753
069-0075	1927	1952	3879
069-0505	1696	977	2673
069-0506	2018	1810	3828
069-0507	1456	971	2427
069-0508	4315	869	5184
069-0509	1571	2100	3671
069-0510	602	1704	2306
086-0503	1223	614	1837
086-0504	1122	1745	2867
			36411

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6

EXAMINED February 3, 20 25
ENGINEER OF OPERATIONS

EXAMINED January 31, 20 25
Lora Rensing
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED February 4 20 25
ENGINEER OF PROGRAM DEVELOPMENT

REV - MS

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/25/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX, STANDARDS, GENERAL NOTES
SIGNATURES, & SCHEDULES

SCALE: SHEET 2 OF 1 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	2

CONTRACT NO. 72940

ILLINOIS | FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0-02179-6030 100% STATE SN 009-0510 0047/RURAL CASS	0-02179-6030 100% STATE SN 009-0512 0047/RURAL CASS	0-02179-6030 100% STATE SN 069-0075 0047/RURAL MORGAN	0-02179-6030 100% STATE 069-0505/0506 0047/RURAL MORGAN	0-02179-6030 100% STATE 069-0507/0508 0047/RURAL MORGAN	0-02179-6030 100% STATE 069-0509/0510 0047/RURAL MORGAN	0-02179-6030 100% STATE 086-0503/0504 0047/RURAL SCOTT
67100100	MOBILIZATION	L SUM	1	0.09	0.09	0.10	0.18	0.18	0.18	0.18
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	0	0	1	0	0	0	0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5	0	0	0	0	0
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0	0	0.2	0.2	0.2	0.2	0.2
X0326223	FOAM, EXPANDING POLYURETHANE, HIGH-DENSITY	POUND	36,411	5986	1753	3879	6501	7611	5977	4704

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 1 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	3

CONTRACT NO. 72940

ILLINOIS | FED. AID PROJECT

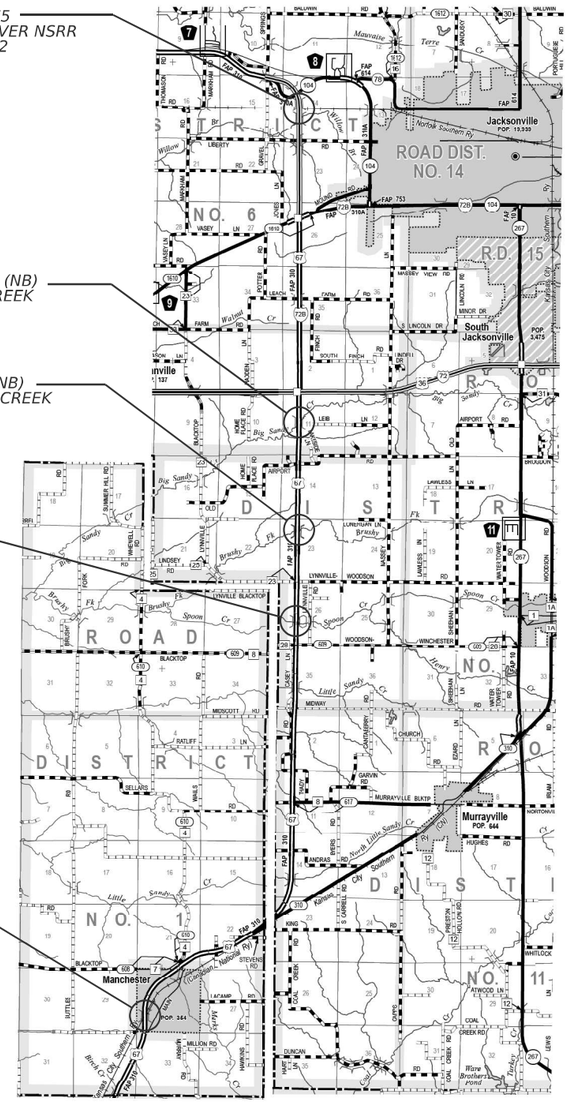
SN 069-0075
US 67 SB OVER NSRR
4.5 MI N I-72

SN 069-0505 (SB) & 0506 (NB)
US 67 SB OVER SANDY CREEK
0.5 MI S I-72

SN 069-0507 (SB) & 0508 (NB)
US 67 OVER BRUSHY FORK CREEK
2.25 MI S I-72

SN 069-0509 (SB) & 0510 (NB)
US 67 OVER SPOON CREEK
3.8 MI S I-72

SN 086-0503 (SB) & 0504 (NB)
US 67 OVER KCS RR
AT MANCHESTER

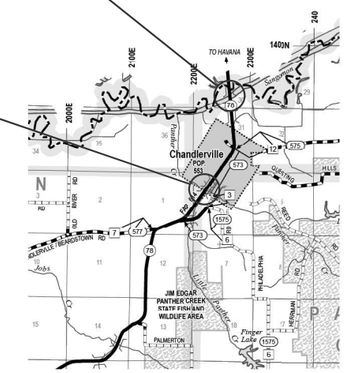


SCOTT COUNTY

MORGAN COUNTY

SN 009-0510
IL 78 OVER SANGAMON RIVER
0.5 MI N CHANDLERVILLE

SN 009-0512
IL 78 OVER PANTHER CREEK
SW OF CHANDLERVILLE



CASS COUNTY

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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

LOCATION MAPS

SCALE: | SHEET 4 OF 1 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	4
		CONTRACT NO. 72940		
		ILLINOIS	FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rte. 614	(14-1H)-1R	Cass & Mason	351	137

SHEET NO. 1
86 SHEETS

Contract #72A76

BM T.J.M. #3 : Set a "60 d Spike Nail" in West face of P.P. set on East+/- side IL 78; North of North Levee of Sangamon, 1.14 miles North of Illini St. in Chandlerville. NAVD 88 Elev. = 457.05 Ft.

BM T.J.M. #4 : Set a chiseled "□" in top of N.W. Abut. Wing Wall of bridge #009-0006; on IL 78, 0.47 miles North of Illini St. in Chandlerville. Bridge over Sangamon River overflow. NAVD 88 Elev. = 464.94 Ft.

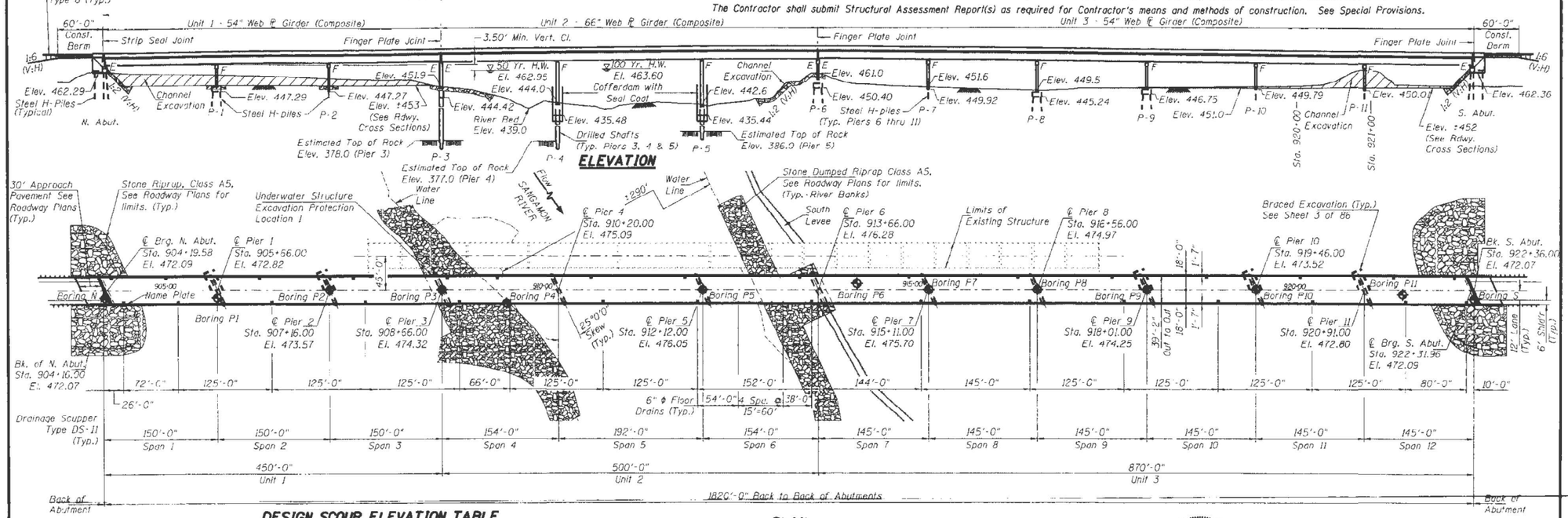
Existing Structure (No. 009-0005):
Originally constructed in 1931 and re-constructed in 1981. The existing 17 span bridge consists of precast prestressed concrete (PPC) deck beams in 13 approach spans and steel girders in 4 main river spans. Approach spans are supported on pile bents with concrete piles and cap. Main spans are supported on solid concrete piers and footings with timber piles. Overall length of 972' back to back of abutments, and out to out deck width of 33' with 0° skew. Traffic shall be maintained on this structure during construction of new structure. No Salvage.

Current Ratings (9/22/08) on File for Existing Structure No. 009-0005
Inventory: HS 6
Operating: HS 10
Live Load Restrictions: No

Inventory and Operating Ratings are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration using the load factor method. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and the Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

Since the above rating was calculated, a contract has been let to place shoring under the most severely deteriorated precast prestressed concrete deck beams.

The Contractor shall submit Structural Assessment Report(s) as required for Contractor's means and methods of construction. See Special Provisions.



DESIGN SCOUR ELEVATION TABLE

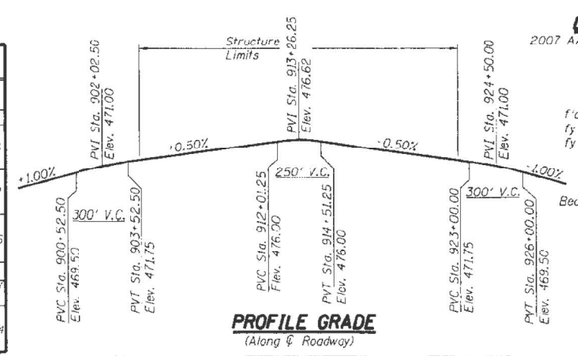
Design Scour Elevation (ft.)	N. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11	S. Abut.
	462.0	447.5	447.5	435.7	423.4	423.4	450.4	449.1	446.2	447.1	447.7	447.8	462.0

WATERWAY INFORMATION

Drainage Area = 5215 Sq. Miles
Ex. Low Grade Elev. 464.43 @ Sta. 906+25
Pr. Low Grade Elev. 466.50 @ Sta. 892+00

Frequency Year	Structure	Discharge C.F.S. Exist.	Discharge C.F.S. Prop.	Waterway Opening Sq. Ft. Exist.	Waterway Opening Sq. Ft. Prop.	Natural H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
10	Main Channel	29,477	49,283	7,908	20,162	460.90	0.32	0.13	461.22	461.03
	Relief Structure	19,990	197	6,927	100					
	Total	49,467	49,480	14,834	20,262					
50	Main Channel	40,376	73,308	8,525	23,397	462.95	0.42	0.17	463.37	463.12
	Relief Structure	32,607	224	7,995	100					
	Total	72,983	73,532	16,520	23,497					
100	Main Channel	49,162	82,911	8,635	24,424	463.60	0.40	0.16	464.00	463.76
	Relief Structure	33,797	254	8,332	100					
	Total	82,959	83,165	16,967	24,524					
420 Overtopping	Main Channel	56,305	100,382	10,468	26,459	464.02	0.41	0.35	464.43	464.37
	Relief Structure	38,139	176	8,334	100					
	Total	94,444	100,558	18,742	26,559					
500	Main Channel	58,091	104,750	8,663	26,968	464.14	0.42	0.40	464.56	464.54
	Relief Structure	39,224	157	8,335	100					
	Total	97,315	104,907	16,999	27,068					

PLAN



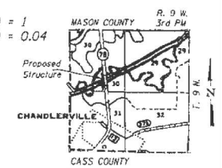
PROFILE GRADE
(Along ℄ Roadway)

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2007 AASHTO LRFD Bridge Design Specifications
4th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Struct. Steel) (M270 Grade 50W)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Bedrock Acceleration Coefficient (A) = 0.04
Site Coefficient (S) = 1.0



LOCATION SKETCH

THOMAS E. HARTMAN
081-06791
LICENSED STRUCTURAL ENGINEER
SPRINGFIELD, ILLINOIS

DATE SIGNED : 3/27/09
LIC. EXP. DATE : 11/30/2010

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN & ELEVATION
F.A.P. 614 (IL 78) OVER SANGAMON RIVER
PUBLIC WATERS
CASS & MASON COUNTIES
SECTION 144 (B-1)
STA. 913+26.00
STRUCTURE NUMBER 009-0510
PROFESSIONAL DESIGN FIRM LICENSE #184-001084

HANSON
Hanson Professional Services Inc.

07S2026
DATE 03/27/09

LAYOUT	TEH	09/12/08
DRAWN	DJB	09/30/08
REVISED	TEH	09/30/08

03/25/2009
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLAN - SN 009-0510
(FOR INFORMATION ONLY)

SCALE: SHEET 5 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	5

CONTRACT NO. 72940
ILLINOIS FED. AID PROJECT

NORTH END SN:009-0510 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TM12096	619	87344.68	12.19	472.043
TM12093	619	87335.33	12.23	471.971
TM12092	619	87325.74	12.27	471.977
TM12089	619	87315.24	12.20	471.923
TM12088	619	87304.88	12.19	471.987
TM12085_1	619	87295.56	12.12	471.980
TM12084	618	87294.99	12.08	472.004
TM12080	618	87293.40	12.04	471.989
TM12079	618	87279.00	12.12	471.761
TM12076	618	87263.49	12.14	471.581
TM12075	668	87263.19	12.02	471.535
TM12074_1	668	87253.37	12.20	471.463
TM12071	668	87242.97	12.13	471.484
TM12070	668	87232.55	12.06	471.473
TM12067	668	87223.96	12.03	471.387
TM12066	668	87213.94	12.03	471.379
TM12063	668	87203.50	12.08	471.330
TM12062	668	87193.55	11.99	471.252
TM12059	668	87173.69	11.92	471.169
TM12058	668	87163.68	11.84	471.114

NORTH END SN:009-0510 CENTER OF LANES				
POINT	CODE	STATION	OFFSET	ELEVATION
TM12099	619	87337.58	-0.30	472.188
TM12100	619	87327.60	-0.47	472.167
TM12105	619	87317.66	-0.46	472.129
TM12106	619	87309.12	-0.54	472.084
TM12115_1	619	87289.70	0.56	472.063
TM12116_1	618	87289.22	-0.57	472.047
TM12121	618	87287.47	-0.61	472.033
TM12126	618	87271.05	-0.60	471.791
TM12129	618	87257.92	-0.09	471.673
TM12133	667	87238.94	0.26	471.603
TM12134	667	87228.92	0.13	471.633
TM12139	667	87219.00	-0.02	471.507
TM12140	667	87209.03	-0.05	471.473
TM12145	667	87199.08	-0.14	471.419
TM12148	667	87189.07	0.00	471.438
TM12151	667	87179.09	-0.25	471.372
TM12152	667	87169.19	-0.27	471.321
TM12157	667	87159.09	-0.33	471.238
TM12158	667	87150.41	-0.30	471.172

NORTH END SN:009-0510 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TM12098	619	87334.23	-11.36	472.009
TM12101	619	87324.30	-11.37	471.960
TM12104	619	87314.26	-11.36	471.920
TM12107	619	87304.26	-11.44	471.866
TM12110	619	87294.69	11.42	471.844
TM12114	619	87284.68	-11.56	471.856
TM12117	618	87284.16	-11.60	471.891
TM12120	618	87282.37	-11.63	471.853
TM12125	618	87264.70	-11.65	471.548
TM12128	618	87252.33	-12.03	471.443
TM12132_1	668	87239.10	-12.05	471.375
TM12135	668	87229.75	-12.03	471.387
TM12138	668	87219.38	-12.10	471.331
TM12141	668	87209.22	-12.07	471.303
TM12144	668	87199.31	-12.01	471.236
TM12147	668	87189.42	-12.16	471.203
TM12150	668	87179.79	-12.17	471.161
TM12153	668	87169.83	-12.21	471.079
TM12156	668	87160.68	-12.25	471.063
TM12159	668	87150.92	-12.24	470.972

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

SOUTH END SN:009-0510 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TM12264	619	89057.75	11.88	472.005
TM12261	619	89067.71	11.79	472.015
TM12260	619	89077.62	11.79	471.970
TM12257	619	89087.67	11.87	471.908
TM12256	619	89097.58	11.98	471.853
TM12179_1	619	89107.69	12.00	471.905
TM12180	618	89112.24	12.05	471.864
TM12249	618	89127.50	11.90	471.693
TM12246_1	618	89142.21	12.06	471.611
TM12245	668	89152.24	12.27	471.629
TM12242	668	89155.23	12.28	471.610
TM12241	668	89162.25	12.24	471.591
TM12238	668	89172.05	12.38	471.462
TM12236	668	89182.00	12.83	471.429
TM12233	668	89192.06	12.72	471.425
TM12232	668	89202.14	12.53	471.328
TM12229	668	89212.01	12.50	471.310
TM12228	668	89222.97	12.41	471.240
TM12225	668	89231.85	12.41	471.195
TM12224	668	89241.83	12.20	471.145

SOUTH END SN:009-0510 CENTER OF LANES				
POINT	CODE	STATION	OFFSET	ELEVATION
TM12163	619	89054.48	0.36	472.178
TM12168	619	89062.90	0.34	472.173
TM12169	619	89072.69	0.14	472.140
TM12172	619	89082.82	0.06	472.085
TM12173	619	89092.79	0.28	472.053
TM12179	619	89102.17	0.10	472.068
TM12180_1	618	89106.18	-0.04	472.042
TM12185	618	89121.07	-0.45	471.885
TM12191	618	89136.64	-0.12	471.779
TM12192	667	89136.97	-0.10	471.753
TM12198	667	89146.38	0.01	471.673
TM12199	667	89155.94	0.03	471.695
TM12202	667	89165.83	-0.10	471.680
TM12207	667	89175.81	-0.51	471.608
TM12237	667	89185.22	-0.81	471.576
TM12208	667	89195.35	-0.67	471.534
TM12215	667	89205.13	-0.58	471.429
TM12216	667	89214.19	-0.53	471.392
TM12217	667	89224.11	-0.18	471.339
TM12218	667	89234.16	-0.23	471.320

SOUTH END SN:009-0510 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TM12162	619	89047.08	-11.26	472.041
TM12164	619	89056.99	-11.45	471.976
TM12167	619	89067.01	-11.39	472.023
TM12171	619	89076.85	-11.47	471.931
TM12175	619	89085.47	-11.43	471.899
TM12178	619	89096.83	-11.44	471.948
TM12181	618	89101.29	-11.43	471.910
TM12184	618	89115.74	-11.64	471.726
TM12187	618	89131.13	-11.99	471.611
TM12193	668	89141.39	-12.06	471.514
TM12197	668	89151.18	-12.87	471.485
TM12201	668	89161.55	-12.85	471.439
TM12204	668	89171.96	-12.58	471.413
TM12206	668	89181.18	-12.56	471.358
TM12209	668	89191.16	-12.57	471.266
TM12212	668	89201.13	-12.71	471.191
TM12214	668	89211.13	-12.46	471.213
TM12219	668	89221.12	-12.69	471.144
TM12222	668	89231.10	-12.72	471.099

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING PAVEMENT ELEVATIONS - SN 009-0510
(FOR INFORMATION ONLY)

SCALE: | SHEET 6 OF 18 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	6

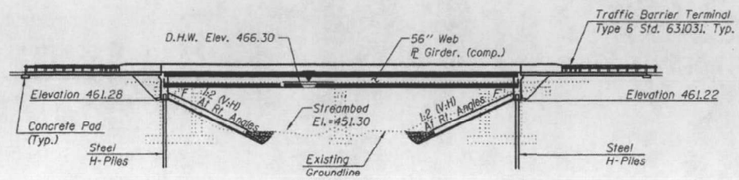
CONTRACT NO. 72940

ILLINOIS | FED. AID PROJECT

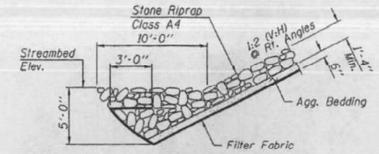
Bench Mark: Chisled "Square" in Northwest corner of North abutment. 18.6' RT. STA. 996+95. Elev = 446.04

Existing Structure: S.N. 009-0007 was built in 1931 as SBI 78, Section 144-B. In 1984 the abutments and pier were widened and the superstructure was reconstructed using 11 PPC deck beams. The superstructure consists of split through abutments founded on timber piles and a solid pier on timber piles. The back-to-back dimension measures 96'-5", while the out-to-out width measures 33'-0". The structure is to be replaced using stage construction.

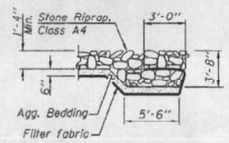
No Salvage



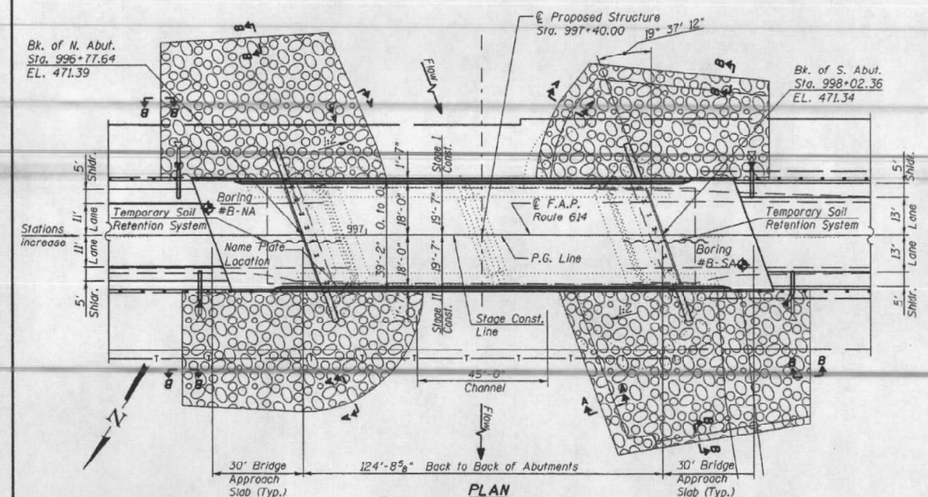
ELEVATION



SECTION A-A

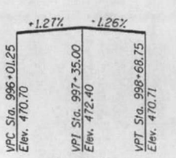


SECTION B-B



PLAN

Note:
Removal cost of existing slopewall shall be included with Removal of Existing Structures.



PROFILE GRADE
(along ℄ roadway)

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft)	N. Abut	S. Abut
	461.63	461.70

STATION 997+40.00
BUILT 201_ BY
STATE OF ILLINOIS
F.A.P. RT. 614
SEC. 144 (B-5)
LOADING HL93
STR. NO. 009-0512

NAME PLATE
See Std. 515001

WATERWAY INFORMATION

Drainage Area = 52 sq mi. — Existing Low Grade Elev. 468.1 @ Sta. 1002+50; Proposed Low Grade Elev. 468.1 @ Sta. 1004+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.
		10	4290	1280	1310	464.6	0.0	0.0	464.6	464.6
Design	Main Channel	50	6300	1100	1380					
	Overflow		620	160	140					
	Total		6920	1260	1520	466.3	0.5	0.3	466.8	466.6
Base	Main Channel	100	7045	1100	1380					
	Overflow		1055	170	150					
	Total		8100	1270	1530	466.9	0.8	0.5	467.7	467.4
Maximum or Over-topping	Main Channel	300	6930	1100	1380					
	Overflow		1170	170	150					
	Total		11000	1270	1550	467.9	1.0	0.9	468.9	468.0

10 Year Velocity Through Existing Bridge = 4.17 ft/s
10 Year Velocity Through Proposed Bridge = 3.37 ft/s

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

MARC BACCHETTI 081-005240 LICENSED STRUCTURAL ENGINEER ST. LOUIS, MO STATE OF ILLINOIS 12-27-11 Exp 11-30-12

INDEX OF SHEETS

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications.
5th Edition with 2010 Interims.

LOADING HL-93

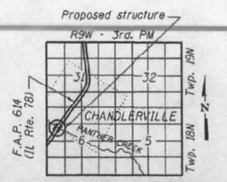
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi
M270 Gr. 50W

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.220
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.132
Soil Site Class = D



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL 78 OVER PANTHER CREEK
F.A.P. ROUTE 614 (IL 78)
SEC. 144 (B-5)
CASS COUNTY
STATION 997+40.00
STRUCTURE NO. 009-0512

The VOLKERT/DMA Joint Venture	USER NAME =	DESIGNED - JR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION STRUCTURE NO. 009-0512	F.A.P. RTE. 614	SECTION 144(B-5)	COUNTY CASS	TOTAL SHEETS 97	SHEET NO. 54
		CHECKED - JEK	REVISED -					CONTRACT NO. 72855		
	PLOT SCALE =	DRAWN - WJG	REVISED -					ILLINOIS FED. AID PROJECT		
	PLOT DATE =	CHECKED - JEK	REVISED -		SHEET NO. 1 OF 20 SHEETS					

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLAN - SN 009-0512 (FOR INFORMATION ONLY)	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	7
	CHECKED -	REVISED -					CONTRACT NO. 72940		
PLOT DATE = 1/24/2025	DATE -	REVISED -		SCALE: SHEET 7 OF 18 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

NORTH END SN:009-0512 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TJM6098_1	619	997+32.37	11.60	471.283
TJM6095	619	997+22.54	11.76	471.298
TJM6094	619	997+12.28	11.89	471.260
TJM6091	619	997+02.33	11.93	471.284
TJM6090	619	996+92.51	12.01	471.253
TJM6087	619	996+82.14	12.52	471.153
TJM6086_1	618	996+81.92	12.49	471.155
TJM6083	618	996+68.22	12.37	470.998
TJM6080_1	618	996+52.37	13.06	470.877
TJM6079_1	668	996+52.07	13.10	470.872
TJM6069	668	996+41.74	13.18	470.805
TJM6049	668	996+32.89	12.87	470.788
TJM6046	668	996+23.60	13.13	470.676
TJM6039	668	996+13.70	13.15	470.574
TJM6036	668	996+03.55	13.08	470.463
TJM6029	668	995+93.68	12.73	470.335
TJM6026	668	995+83.78	12.82	470.205
TJM6019	668	995+73.44	12.75	470.067
TJM6016	668	995+63.71	12.84	469.972
TJM6009	668	995+54.15	12.93	469.901
TJM6006_1	668	995+44.09	12.84	469.842

NORTH END SN:009-0512 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
TJM6108_1	619	997+26.77	-0.08	471.408
TJM6107	619	997+16.93	-0.06	471.428
TJM6106	619	997+06.81	-0.06	471.414
TJM6105	619	996+96.94	0.01	471.409
TJM6104	619	996+87.45	-0.04	471.385
TJM6103	619	996+77.89	0.01	471.354
TJM6102	618	996+77.52	0.08	471.350
TJM6101	618	996+61.89	0.07	471.190
TJM6067_1	618	996+47.85	0.16	471.052
TJM6099	667	996+47.54	0.20	471.013
TJM6050	667	996+33.40	0.11	470.929
TJM6045	667	996+23.37	0.11	470.793
TJM6040	667	996+13.40	-0.01	470.662
TJM6035	667	996+01.39	0.08	470.632
TJM6030	667	995+93.09	0.14	470.538
TJM6025	667	995+83.36	0.14	470.428
TJM6020	667	995+73.65	0.04	470.310
TJM6015	667	995+63.49	0.05	470.183
TJM6010	667	995+53.83	0.19	470.076
TJM6005_1	667	995+44.51	0.28	470.060

NORTH END SN:009-0512 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TJM6127_1	619	997+23.17	-12.26	471.247
TJM6124	619	997+13.28	-12.30	471.226
TJM6123	619	997+03.25	-12.31	471.194
TJM6120	619	996+93.33	-12.27	471.180
TJM6119	619	996+83.30	-12.30	471.170
TJM6116_1	619	996+73.46	-12.17	471.127
TJM6115_1	618	996+73.17	-12.11	471.125
TJM6113	618	996+58.41	-12.27	471.007
TJM6064	618	996+43.38	-12.07	470.890
TJM6062_1	668	996+43.10	-12.07	470.882
TJM6051	668	996+32.45	-12.12	470.739
TJM6044	668	996+23.80	-12.41	470.638
TJM6041	668	996+14.14	-12.32	470.534
TJM6034	668	996+04.02	-12.34	470.535
TJM6031	668	995+93.97	-12.29	470.464
TJM6024	668	995+84.19	-12.31	470.316
TJM6021	668	995+74.78	-12.55	470.176
TJM6014	668	995+63.58	-12.31	470.043
TJM6011	668	995+54.12	-12.51	469.983
TJM6004_1	668	995+44.11	-12.62	469.909

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

SOUTH END SN:009-0512 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TJM6178_1	619	997+58.16	11.62	471.284
TJM6181	619	997+66.25	11.61	471.277
TJM6182	619	997+76.26	11.58	471.248
TJM6185	619	997+86.15	11.69	471.213
TJM6186	619	997+96.15	11.66	471.155
TJM6189_2	619	998+06.38	11.66	471.094
TJM6190_2	618	998+06.70	11.64	471.078
TJM6193	618	998+21.40	11.81	470.853
TJM6195_1	618	998+36.39	11.83	470.729
TJM6196	668	998+36.79	11.82	470.720
TJM6207	668	998+47.87	11.91	470.728
TJM6208	668	998+56.63	11.98	470.662
TJM6211	668	998+66.27	12.00	470.504
TJM6212	668	998+76.30	12.00	470.329
TJM6215	668	998+86.32	11.89	470.180
TJM6216	668	998+96.02	11.88	470.070
TJM6219	668	999+06.09	11.93	469.937
TJM6220	668	999+16.14	11.84	469.806
TJM6223	668	999+26.26	11.90	469.682
TJM6224_1	668	999+36.29	11.95	469.615

SOUTH END SN:009-0512 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
TJM6245_1	619	997+54.22	-0.05	471.422
TJM6244	619	997+64.13	-0.04	471.408
TJM6243	619	997+74.09	0.04	471.395
TJM6242	619	997+83.15	0.07	471.377
TJM6241	619	997+94.13	0.09	471.337
TJM6240	619	998+02.20	0.11	471.308
TJM6239	618	998+02.62	0.09	471.294
TJM6238	618	998+17.48	0.07	471.169
TJM6237	618	998+32.06	0.06	471.080
TJM6236	667	998+32.64	-0.01	471.073
TJM6235	667	998+43.20	-0.11	470.869
TJM6234	667	998+52.90	0.03	470.816
TJM6233	667	998+63.00	-0.07	470.681
TJM6232	667	998+73.48	0.16	470.501
TJM6231	667	998+82.73	0.17	470.355
TJM6230	667	998+92.40	0.16	470.241
TJM6229	667	999+01.93	0.24	470.108
TJM6228	667	999+12.21	0.19	469.978
TJM6227	667	999+22.00	0.20	469.884
TJM6226_1	667	999+31.79	0.17	469.795

SOUTH END SN:009-0512 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TJM6128_1	619	997+49.15	-12.29	471.263
TJM6131	619	997+59.12	-12.29	471.224
TJM6132	619	997+69.13	-12.33	471.215
TJM6135	619	997+79.02	-12.31	471.158
TJM6136	619	997+88.76	-12.17	471.156
TJM6139_1	619	997+97.76	-12.14	471.134
TJM6140_2	618	997+98.03	-12.14	471.130
TJM6144	618	998+12.54	-12.16	471.016
TJM6146_1	618	998+27.77	-12.13	470.927
TJM6149	668	998+28.19	-12.14	470.939
TJM6150	668	998+38.45	-12.25	470.828
TJM6161	668	998+48.62	-12.20	470.747
TJM6162	668	998+58.54	-12.18	470.610
TJM6165	668	998+69.46	-12.17	470.441
TJM6166	668	998+78.44	-12.19	470.305
TJM6169	668	998+88.53	-12.27	470.143
TJM6170	668	998+98.39	-12.21	470.027
TJM6173	668	999+08.37	-12.27	469.923
TJM6174	668	999+18.33	-12.20	469.800
TJM6177_1	668	999+28.30	-12.18	469.690

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 009-0512
(FOR INFORMATION ONLY)

SCALE: | SHEET 8 OF 18 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	8

CONTRACT NO. 72940

ILLINOIS | FED. AID PROJECT

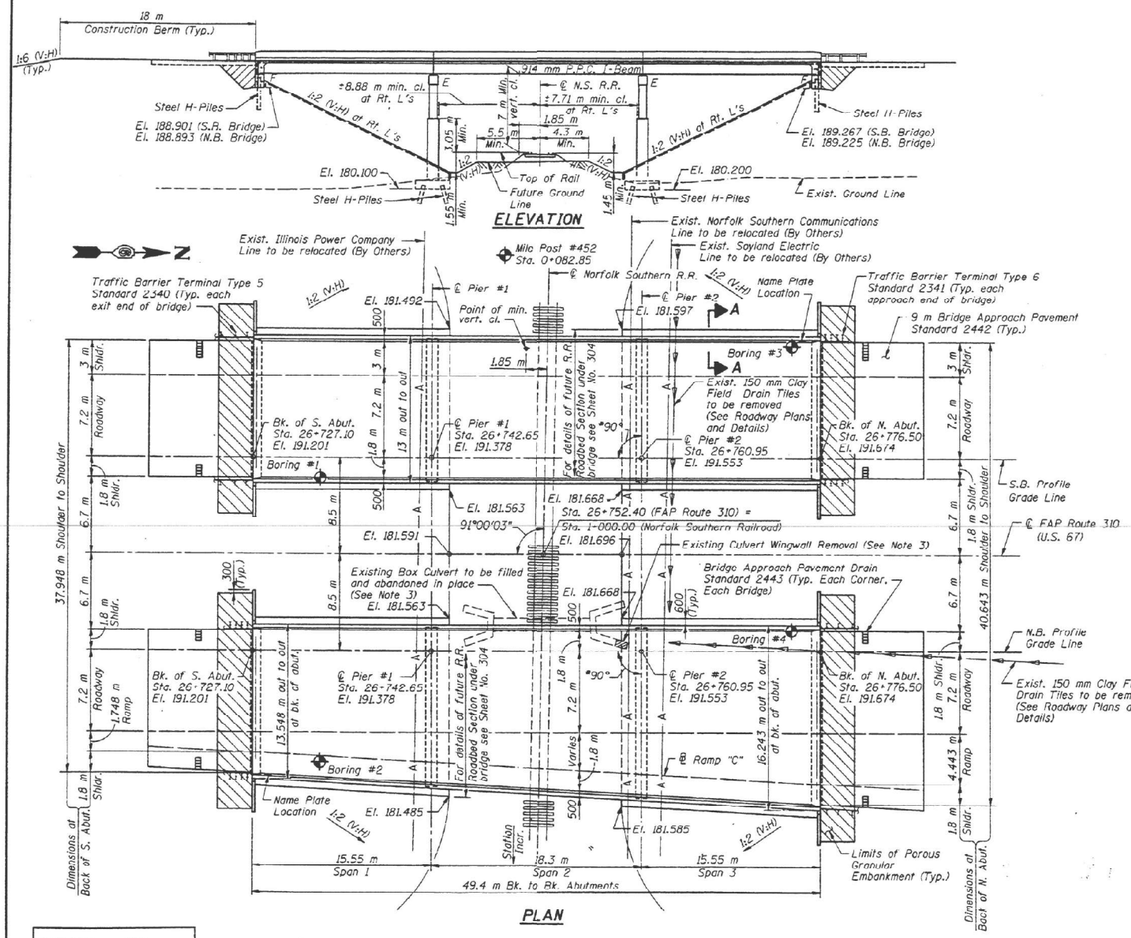
Benchmark: No. 114 - Chiseled "□" on South Headwall of Box Culvert under Norfolk Southern Railroad
Sta. 26+748±, 5.5± m Rt. of ℄ FAP Route 310, Elev. 181.852

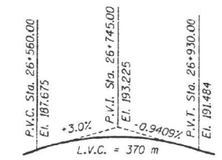
Existing structure: None

Existing Box Culvert under N.S. R.R. to be filled and replaced by Culverts each side of Highway Embankment.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	*	MORGAN	599	303
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

* 69-1(A,B,B-1,HB,HB-1,HB-2,HB-3,HB-4,HB-5,VB)





PROFILE GRADE
FAP ROUTE 310 (U.S. 67)

CURVE DATA

℄ FAP ROUTE 310

Δ = 77°00'01"
T = 505.104 m
L = 853.382 m
E = 176.391 m
R = 635 m
S.E. = 6.0%
P.C. Sta. = 26+834.587
P.I. Sta. = 27+339.691
P.T. Sta. = 27+687.969
Remove crown and attain super in 79 m
Sta. 26+777.42 to Sta. 26+856.42

STATION 26+752.40
BUILT 19__ BY
STATE OF ILLINOIS
FAP RT. 310 SEC. 69-1VB
FAP PROJ. ____
LOADING MS18
STR. NO. 069-0075

NAME PLATE
(S.B. Bridge)
Refer to Std. 2113

STATION 26+752.40
BUILT 19__ BY
STATE OF ILLINOIS
FAP RT. 310 SEC. 69-1VB
FAP PROJ. ____
LOADING MS18
STR. NO. 069-0076

NAME PLATE
(N.B. Bridge)
Refer to Std. 2113

HC0F2-0F1-HC1HF-0066(5)

Station	South Rail	North Rail
0+970.00	183.200	183.194
0+980.00	183.193	183.189
0+990.20	183.177	183.182
1+000.00	183.164	183.164
1+010.00	183.155	183.155
1+020.00	183.143	183.139
1+030.00	183.128	183.124

TOP OF RAIL ELEVATIONS
NORFOLK SOUTHERN RAILROAD

STATE OF ILLINOIS
PATRICK O. MCCARTHY
081-3389
LICENSED STRUCTURAL ENGINEER

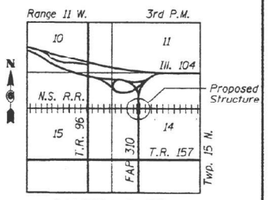
SIGNATURE
DATE: 7/3/96
LIC. EXPIRES 11/30/96

NOTES

1. For Section A-A see Sheet No. 305
2. For General Notes, Bill of Materials and Index of Sheets see Sheet No. 304
3. Existing box culvert under the Norfolk Southern R.R. to be filled and abandoned in place. Remove approximately one meter of the northeast wingwall to accommodate construction of the Pier #2 footing. Cost incidental. For details see Roadway Plans.

LEGEND

E	Expansion Bearings
F	Fixed Bearings
N.B.	Northbound
S.B.	Southbound
◆	Indicates Soil Boring Locations
—A—	Indicates Existing Aerial Line
——	Indicates Existing Field Drain Tiles



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP ROUTE 310 (U.S. 67) OVER
NORFOLK SOUTHERN RAILROAD
SECTION 69-1VB
MORGAN COUNTY
STATION 26+752.40
STRUCTURE NOS. 069-0075(SB)&069-0076(NB)
GENERAL PLAN AND ELEVATION

H.W. LOCHNER, INC.
ENGINEERS
CHICAGO, ILLINOIS

303

DESIGNED	RWC		
CHECKED	RWC		
DRAWN	OS		
CHECKED	POM		

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING BRIDGE PLAN - SN 069-0075 (SB)
(FOR INFORMATION ONLY)

SCALE: | SHEET 9 OF 18 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	9
		CONTRACT NO. 72940		
		ILLINOIS	FED. AID PROJECT	

NORTH END SN:069-0075 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
ZP400	619	56354.49	-51.56	628.330
ZP401	619	56364.63	-51.43	628.397
ZP402	619	56375.03	-51.59	628.482
ZP403	619	56384.63	-51.57	628.581
ZP404	618	56384.73	-51.55	628.591
ZP405	618	56395.66	-51.51	628.568
ZP406	618	56405.60	-51.70	628.482
ZP407	618	56414.56	-51.85	628.417
ZP408	668	56414.87	-51.86	628.413
ZP409	668	56424.43	-51.71	628.478
ZP410	668	56433.00	-51.87	628.489
ZP411	668	56444.49	-51.80	628.486
ZP412	668	56454.33	-51.87	628.498
ZP413	668	56464.08	-51.83	628.496
ZP414	668	56474.71	-51.86	628.472
ZP415	668	56484.53	-51.79	628.450
ZP416	668	56494.43	-51.79	628.447
ZP417	668	56504.32	-51.76	628.440
ZP418	668	56514.23	-51.82	628.443
ZP419	668	56524.41	-51.89	628.422
ZP420	668	56534.38	-51.72	628.366
ZP421	668	56544.02	-51.68	628.299
ZP422	668	56554.63	-51.78	628.243
ZP423	668	56564.57	-51.68	628.171
ZP424	668	56573.82	-51.67	628.111
ZP425	668	56584.61	-51.69	628.040

NORTH END SN:069-0075 CENTER OF LANES				
POINT	CODE	STATION	OFFSET	ELEVATION
ZP324	619	56354.48	-39.14	628.477
ZP323	619	56364.87	-39.52	628.543
ZP322	619	56375.39	-39.41	628.632
ZP321	619	56384.66	-39.44	628.736
ZP321	618	56384.66	-39.44	628.736
ZP320	618	56395.40	-39.30	628.676
ZP319	618	56405.35	-39.18	628.671
ZP318	618	56414.60	-39.19	628.617
ZP317	667	56414.97	-39.21	628.614
ZP316	667	56424.98	-39.09	628.775
ZP315	667	56434.90	-39.10	628.818
ZP314	667	56444.41	-39.21	628.839
ZP313	667	56455.74	-39.16	628.828
ZP312	667	56465.33	-39.05	628.833
ZP311	667	56476.66	-38.90	628.827
ZP310	667	56485.44	-39.02	628.802
ZP309	667	56495.08	-38.97	628.841
ZP308	667	56504.19	-38.52	628.871
ZP307	667	56513.94	-38.93	628.815
ZP306	667	56524.34	-39.12	628.802
ZP305	667	56533.02	-39.37	628.780
ZP304	667	56544.11	-39.07	628.755
ZP303	667	56553.74	-39.42	628.707
ZP302	667	56563.18	-39.42	628.675
ZP301	667	56573.60	-39.38	628.630
ZP300	667	56583.18	-39.29	628.645

NORTH END SN:069-0075 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
ZP200	619	56354.63	-27.45	628.328
ZP201	619	56365.21	-27.53	628.404
ZP202	619	56375.82	-27.56	628.482
ZP202_1_1	619	56384.81	-27.56	628.608
ZP202_1_1	618	56384.81	-27.56	628.608
ZP203	618	56394.78	-27.52	628.580
ZP204	618	56404.99	-27.50	628.546
ZP205	618	56414.66	-26.97	628.516
ZP206	668	56414.91	-27.00	628.478
ZP207	668	56424.90	-27.03	628.675
ZP208	668	56434.64	-27.14	628.689
ZP209	668	56444.49	-27.07	628.744
ZP210	668	56455.34	-27.19	628.803
ZP211	668	56464.76	-27.09	628.819
ZP212	668	56476.39	-27.29	628.827
ZP213	668	56485.67	-27.29	628.879
ZP214	668	56494.33	-27.24	628.915
ZP215	668	56503.61	-27.18	628.946
ZP216	668	56513.75	-27.22	628.994
ZP217	668	56523.78	-27.14	628.997
ZP218	668	56533.65	-27.21	629.002
ZP219	668	56543.86	-27.14	629.020
ZP220	668	56553.63	-27.20	629.034
ZP221	668	56563.57	-27.19	629.036
ZP222	668	56573.61	-27.18	629.004
ZP223	668	56583.39	-27.33	629.091

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

SOUTH END SN:069-0075 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
ZP700	619	56252.02	-51.09	627.340
ZP701	619	56240.95	-51.21	627.187
ZP702	619	56231.50	-51.28	627.110
ZP703	619 618	56222.69	-51.29	627.019
ZP704	618	56213.07	-51.18	626.762
ZP705	618	56202.92	-51.41	626.494
ZP706	618	56192.85	-51.75	626.315
ZP706	668	56192.85	-51.75	626.315
ZP707	668	56182.37	51.66	626.221
ZP708	668	56172.17	-51.66	626.051
ZP709	668	56162.75	-51.61	625.912
ZP710	668	56153.10	-51.79	625.735
ZP711	668	56142.15	-51.64	625.541
ZP712	668	56131.26	-51.69	625.326
ZP713	668	56121.64	-51.61	625.215
ZP714	668	56112.22	-51.54	625.080
ZP715	668	56101.68	-51.56	624.889
ZP716	668	56091.63	-51.57	624.668
ZP717	668	56081.56	-51.57	624.510
ZP718	668	56071.72	-51.58	624.322
ZP719	668	56062.22	-51.53	624.195
ZP720	668	56052.01	-51.44	624.017
ZP721	668	56042.53	-51.36	623.843
ZP722	668	56032.55	-51.52	623.660
ZP723	668	56021.89	-51.49	623.518

SOUTH END SN:069-0075 CENTER OF LANES				
POINT	CODE	STATION	OFFSET	ELEVATION
ZP624	619	56251.24	-39.54	627.469
ZP623	619	56241.41	-39.32	627.348
ZP622	619	56233.20	-39.19	627.254
ZP621	619 618	56222.70	-39.31	627.173
ZP620	618	56213.58	-39.19	626.949
ZP619	618	56204.50	-39.26	626.724
ZP618	618	56192.69	-39.35	626.483
ZP617	667	56192.29	-39.34	626.429
ZP616	667	56182.64	-39.11	626.393
ZP615	667	56172.98	-39.24	626.296
ZP614	667	56162.97	-39.13	626.113
ZP613	667	56153.25	-39.19	625.895
ZP612	667	56142.85	-39.03	625.717
ZP611	667	56131.45	-39.12	625.519
ZP610	667	56122.23	-39.12	625.345
ZP609	667	56112.67	-39.11	625.176
ZP608	667	56102.05	-39.11	624.989
ZP607	667	56092.06	-39.18	624.810
ZP606	667	56082.21	-39.17	624.662
ZP605	667	56073.05	-39.13	624.484
ZP604	667	56062.63	-39.05	624.339
ZP603	667	56052.45	-39.02	624.159
ZP602	667	56043.76	-39.01	624.030
ZP601	667	56032.67	-39.14	623.843
ZP600	667	56022.40	-39.19	623.675

SOUTH END SN:069-0075 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
ZP500	619	56252.51	-27.50	627.340
ZP501	619	56242.37	-27.53	627.222
ZP502	619	56232.65	-27.44	627.107
ZP503	619 618	56222.57	-27.55	627.023
ZP504	618	56212.38	-27.55	626.766
ZP505	618	56202.75	-27.46	626.529
ZP506	618	56192.59	-27.05	626.315
ZP507	668	56192.27	-27.06	626.287
ZP508	668	56182.81	-27.04	626.245
ZP509	668	56172.44	-27.02	626.087
ZP510	668	56163.08	-27.09	625.866
ZP511	668	56152.97	-27.14	625.717
ZP512	668	56142.17	-27.17	625.513
ZP513	668	56131.34	-27.14	625.310
ZP514	668	56121.41	-27.26	625.124
ZP515	668	56112.04	-27.22	624.965
ZP516	668	56101.94	-27.24	624.788
ZP517	668	56091.63	-27.23	624.614
ZP518	668	56081.79	-27.25	624.426
ZP519	668	56072.02	-27.25	624.273
ZP520	668	56061.96	-27.29	624.115
ZP521	668	56051.96	-27.28	623.917
ZP522	668	56042.09	-27.23	623.742
ZP523	668	56031.91	-27.25	623.558
ZP524	668	56022.28	-27.25	623.422

MODEL: bridge-5 [Sheet]
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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 069-0075
(FOR INFORMATION ONLY)

SCALE: | SHEET 10 OF 18 SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	10

CONTRACT NO. 72940

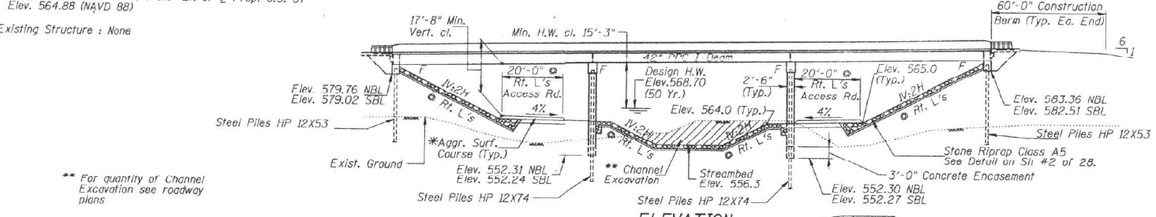
ILLINOIS | FED. AID PROJECT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-12B	MORGAN	843	287
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
28 SHEETS

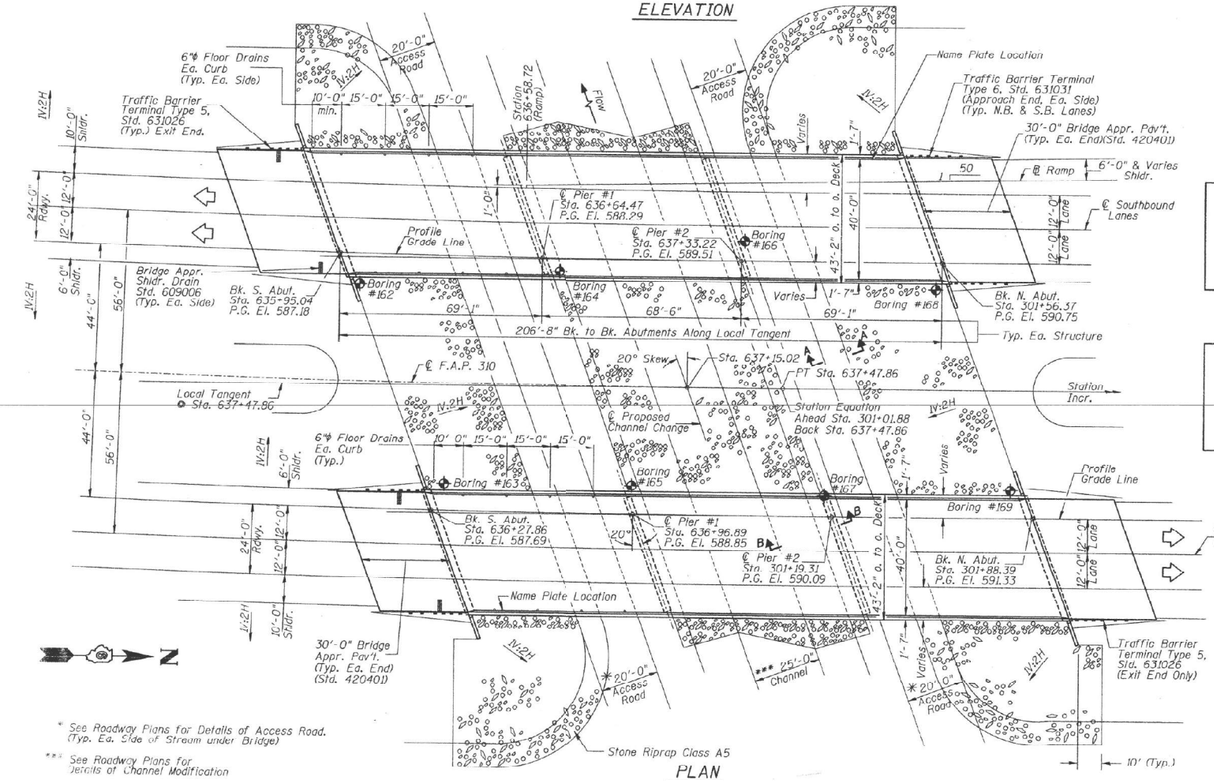
B. M. RC 4 : Chiseled "□" in N.W. Corner Existing Bridge at Sta. 636+14.4, 145.8' Lt. of ℄ Prop. U.S. 67 Elev. 564.88 (NAVD 88)

Existing Structure : None



** For quantity of Channel Excavation see roadway plans

ELEVATION



* See Roadway Plans for Details of Access Road. (Typ. Ea. Side of Stream under Bridge)

*** See Roadway Plans for Details of Channel Modification

PLAN

INDEX TO SHEETS

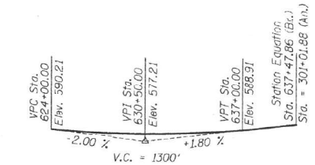
STATION 637+15.02
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 69-12B
PROJECT NO. ACNHF-310(72)
LOADING HS20
STR. NO. 069-0505

NAME PLATE-SBL
(See Std. 515001)

STATION 637+15.02
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 69-12B
PROJECT NO. ACNHF-310(72)
LOADING HS20
STR. NO. 069-0506

NAME PLATE-NBL
(See Std. 515001)

For Sec. A-A and Sec. B-B See Sheet 2 of 28.



PROPOSED PROFILE GRADE
N.B. & S.B. F.A.P. 310

PROPOSED CURVE DATA
F.A.P. 310

P.I. Sta. = 633+80.02
Δ = 2°27'10" Lt)
D = 0°20'00"
R = 17,188.73'
T = 367.96'
L = 735.80'
S.E. Normal Crown
P.C. Sta. = 630+12.06
P.T. Sta. = 637+47.86

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Superstructure	CU YD	631.2	-	631.2
Concrete Structures	CU YD	-	575.6	575.6
Reinforcement Bars, Epoxy Coated	POUND	132,880	44,870	177,750
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42"	FOOT	2,448	-	2,448
Stone Riprap, Class A5	TON	-	6,410	6,410
Filter Fabric For Use with Riprap	SQ YD	-	4,070	4,070
Porous Granular Embankment	CU YD	-	367	367
Name Plates	EACH	2	-	2
Furnishing Steel Piles HP 12x53	FOOT	-	1,648	1,648
Test Pile Steel HP 12x53	EACH	-	2	2
Furnishing Steel Piles HP 12x74	FOOT	-	2,016	2,016
Driving Steel Piles	FOOT	-	3,664	3,664
Bar Splicers	EACH	160	-	160
Structure Excavation	CU YD	-	912	912
Bridge Deck Grooving	SQ YD	1,746	-	1,746
Protective Coat	SQ YD	2,174	-	2,174
Underwater Structure Excavation Protection Location 9	EACH	-	1	1
Underwater Structure Excavation Protection Location 10	EACH	-	1	1
Underwater Structure Excavation Protection Location 11	EACH	-	1	1
Underwater Structure Excavation Protection Location 12	EACH	-	1	1
Floor Drains	EACH	48	-	48

JAMES O. HAMILTON
081-003668
LICENSED STRUCTURAL ENGINEER OF JACKSONVILLE
ILLINOIS

James O. Hamilton
3/21/2002
License Expires 11/30/2002

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGE AND STRUCTURES

WATERWAY INFORMATION

Drainage Area = 21.4 Sq. Mi. Low Grade Elev.=583.37 ft. @ Sta. 630+84.21

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. ft. Exist.	Opening Sq. ft. Prop.	Nat. H.W.E. ft.	Head - ft. Exist.	Head - ft. Prop.	Headwater Elev. - ft. Exist.	Headwater Elev. - ft. Prop.
Design	50	4,517		732	568.70		0.59		569.29
Base	100	5,371		775	569.16		0.66		569.82
Overtopping									
Max. Calc.	500	7,582		904	570.18		0.95		571.13

DESIGNED	JEH
CHECKED	BRT
DRAWN	TC
CHECKED	BRT

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999& 2000 Interim

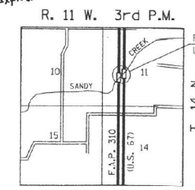
SEISMIC DATA

Seismic Performance Category (SPC) - A
Bedrock Acceleration Coefficient (A) = 0.05
Site Coefficient (S) = 1.5

DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS
f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f'_s = 270,000 psi (½"ϕ low relaxation strands)
f_{si} = 201,960 psi (½"ϕ low relaxation strands)



LOCATION SKETCH

GENERAL PLAN
US 67 OVER SANDY CREEK
F.A.P. 310 SECTION 69-12B
MORGAN COUNTY
STATION 637+15.02
STR. NO. 069-0505 (SBL)
STR. NO. 069-0506 (NBL)

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Date: March 28, 2002

2086/SANDY/2086D030

MODEL: bridge-6 [Sheet]
FILE NAME: c:\pw_work\pwidot\dudleybmd\D063753\72940 plansheet.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING BRIDGE PLAN - SN 069-0505 & 0506
(FOR INFORMATION ONLY)

SCALE: SHEET 11 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	11
		CONTRACT NO. 72940		
		ILLINOIS	FED. AID PROJECT	

SOUTH END SN:069-0505 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4167	619	636+55.716	-69.02	588.044
DA4170	619	636+32.675	-68.70	587.729
DA4171	619	636+23.289	-68.60	587.571
DA4174	619	636+13.214	-68.57	587.437
DA4175	619	636+03.265	-68.46	587.285
DA4178	619	635+93.201	-68.43	587.140
DA4179	619	635+86.405	-68.39	587.029
DA4087	618	635+86.313	-68.34	586.982
DA4084	618	635+75.931	-68.34	586.775
DA4073	618	635+66.052	-68.26	586.556
DA4070	618	635+56.282	-68.23	586.366
DA4036_2	668	635+55.917	-68.39	586.391
DA4041	668	635+46.276	-68.14	586.304
DA4042	668	635+36.402	-68.07	586.181
DA4047	668	635+26.400	-67.99	586.038
DA4048	668	635+16.374	-67.95	585.951
DA4053	668	635+06.521	-67.85	585.814
DA4054	668	634+96.480	-67.81	585.686
DA4059	668	634+86.143	-67.75	585.550
DA4060	668	634+76.550	-67.64	585.471
DA4065	668	634+66.513	-67.60	585.342
DA4066_1	668	634+56.853	-67.55	585.259

SOUTH END SN:069-0505 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4123	619	636+40.749	-55.81	588.064
DA4120	619	636+31.115	-55.96	587.916
DA4117	619	636+20.952	-55.69	587.793
DA4112	619	636+11.148	-55.50	587.618
DA4111	619	636+01.038	-55.78	587.459
DA4107	619	635+91.123	-55.79	587.258
DA4088_2	618	635+90.942	-55.92	587.283
DA4085	618	635+80.702	-55.83	587.047
DA4072	618	635+70.720	-55.91	586.846
DA4071_2	618	635+60.944	-55.96	586.687
DA4003_2	667	635+60.640	-55.85	586.642
DA4004	667	635+50.770	-55.87	586.583
DA4009	667	635+40.780	-55.82	586.416
DA4012	667	635+30.598	-55.75	586.297
DA4013	667	635+20.799	-55.69	586.200
DA4018	667	635+10.905	-55.64	586.054
DA4019	667	635+00.815	-55.59	585.947
DA4024	667	634+90.712	-55.54	585.811
DA4027	667	634+80.850	-55.49	585.727
DA4028	667	634+70.879	-55.40	585.590
DA4035_1	667	634+60.678	55.28	585.512

SOUTH END SN:069-0505 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4122	619	636+45.42	-44.641	587.961
DA4119	619	636+35.25	-44.587	587.799
DA4116	619	636+25.29	-44.584	587.661
DA4113	619	636+15.30	-44.539	587.482
DA4110	619	636+05.15	-44.468	587.336
DA4106_2	619	635+95.41	-44.432	587.172
DA4089_2	618	635+95.27	-44.415	587.146
DA4092	618	635+85.35	-44.369	586.951
DA4093	618	635+75.45	-44.305	586.704
DA4094_2	618	635+65.48	-43.912	586.538
DA4002_1	668	635+64.94	-44.243	586.532
DA4005	668	635+55.43	-43.958	586.461
DA4008	668	635+45.54	-43.872	586.323
DA4011	668	635+35.29	-43.852	586.177
DA4014	668	635+25.41	-43.826	586.064
DA4017	668	635+15.60	-43.775	585.936
DA4020	668	635+05.45	-43.653	585.834
DA4023	668	634+95.26	-43.606	585.698
DA4026	668	634+85.44	-43.509	585.619
DA4029	668	634+75.47	-43.431	585.478
DA4032	668	634+65.45	43.4	585.427
DA4034	668	634+60.76	-43.318	585.366

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:069-0505 WEST EDGE OF RAMP				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4159	619	301+06.559	-71.06	589.779
DA4158	619	301+16.827	-71.21	589.945
DA4155	619	301+26.860	-71.40	590.139
DA4153	619	301+36.650	-71.54	590.293
DA4149_2	619	301+46.575	-71.77	590.481
DA4183	618	301+46.703	-71.79	590.478
DA4184	618	301+56.393	-72.01	590.507
DA4187	618	301+66.109	-72.15	590.588
DA4189	618	301+76.294	-72.49	590.754
DA4296_2	668	301+76.631	-72.47	590.747
DA4284	668	301+86.112	-72.72	591.017
DA4281	668	301+96.144	-72.86	591.151
DA4276	668	302+05.751	-72.94	591.377
DA4273	668	302+15.667	-73.27	591.577
DA4268	668	302+25.608	-73.39	591.732
DA4265	668	302+35.633	-73.69	591.898
DA4261	668	302+45.233	-73.87	592.113
DA4256	668	302+55.333	-74.04	592.290
DA4253	668	302+65.187	-74.23	592.456
DA4248	668	302+75.015	74.31	592.676
DA4245	668	302+82.051	-74.49	592.798
DA4241_1	668	302+93.911	-74.85	592.997

NORTH END SN:069-0505 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4132	619	301+04.556	-56.02	589.971
DA4133	619	301+13.549	-55.75	590.123
DA4138	619	301+21.810	-55.89	590.298
DA4139	619	301+31.860	-55.63	590.461
DA4144	619	301+41.707	-55.82	590.642
DA4148_2	619	301+52.428	-55.91	590.789
DA4194	618	301+52.566	-55.97	590.745
DA4193	618	301+61.980	-55.96	590.848
DA4192	618	301+74.407	55.99	591.037
DA4191	618	301+82.276	-55.99	591.126
DA4227	667	301+82.645	-55.88	591.146
DA4228	667	301+92.274	-55.89	591.325
DA4229	667	302+02.400	-55.89	591.536
DA4230	667	302+12.174	-55.85	591.717
DA4231	667	302+22.180	-55.89	591.958
DA4232	667	302+32.080	-55.84	592.149
DA4233	667	302+41.953	-55.78	592.347
DA4234	667	302+52.312	-55.75	592.505
DA4235	667	302+62.011	-55.76	592.692
DA4236	667	302+72.344	-55.72	592.886
DA4237	667	302+82.274	-55.73	593.068
DA4238_1	667	302+92.166	-55.87	593.224

NORTH END SN:069-0505 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4131	619	301+07.566	-44.54	589.833
DA4134	619	301+17.425	-44.49	590.032
DA4137	619	301+27.385	-44.49	590.194
DA4140	619	301+37.000	-44.41	590.365
DA4143	619	301+47.368	-44.39	590.531
DA4147_2	619	301+56.651	-44.29	590.714
DA4198_2	618	301+56.719	-44.33	590.712
DA4197	618	301+66.650	-44.11	590.773
DA4196	618	301+76.985	44.03	590.895
DA4195_2	618	301+86.638	-43.93	591.037
DA4206_2	668	301+87.028	-43.94	591.037
DA4207	668	301+96.741	-43.90	591.236
DA4210	668	302+06.779	-43.83	591.467
DA4211	668	302+16.842	-43.83	591.670
DA4214	668	302+26.839	-43.86	591.826
DA4215	668	302+36.384	-43.82	592.013
DA4218	668	302+46.483	-43.83	592.191
DA4219	668	302+56.533	-43.81	592.395
DA4222	668	302+66.695	-43.83	592.582
DA4223	668	302+76.253	-43.81	592.743
DA4226	668	302+86.726	-43.85	592.954

MODEL: bridge-7 [Sheet]
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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 069-0505
(FOR INFORMATION ONLY)

SCALE: | SHEET 12 OF 18 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	12

CONTRACT NO. 72940

ILLINOIS | FED. AID PROJECT

SOUTH END SN:069-0506 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4432	619	636+77.902	43.97	588.483
DA4429	619	636+67.867	43.94	588.292
DA4426	619	636+58.197	43.94	588.130
DA4423	619	636+48.273	43.95	587.953
DA4420	619	636+38.187	43.96	587.813
DA4417_2	619	636+28.329	44.10	587.700
DA4413_2	618	636+28.212	44.03	587.686
DA4392	618	636+18.103	44.01	587.476
DA4391	618	636+08.308	43.92	587.226
DA4382_1	618	635+98.442	43.92	587.035
DA4322_2	668	635+98.101	43.97	587.021
DA4319	668	635+88.153	43.92	586.955
DA4318	668	635+78.224	43.96	586.793
DA4315	668	635+68.285	44.04	586.669
DA4314	668	635+58.397	43.97	586.522
DA4311	668	635+48.450	43.97	586.393
DA4310	668	635+38.508	43.95	586.240
DA4307	668	635+28.512	43.98	586.115
DA4306	668	635+18.699	43.97	585.989
DA4303	668	635+08.833	43.92	585.903
DA4302_1	668	634+98.903	43.87	585.790

SOUTH END SN:069-0506 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4431	619	636+82.070	55.50	588.762
DA4430	619	636+72.110	55.62	588.585
DA4425	619	636+61.942	55.91	588.436
DA4424	619	636+50.842	55.86	588.234
DA4419	619	636+41.755	55.40	588.098
DA4418_2	619	636+32.679	56.04	587.946
DA4412_2	618	636+32.613	56.11	587.919
DA4395	618	636+22.464	56.03	587.702
DA4394	618	636+13.008	56.02	587.495
DA4381_2	618	636+03.051	56.12	587.304
DA4323_2	667	636+02.677	56.06	587.314
DA4324	667	635+92.747	56.05	587.190
DA4325	667	635+82.808	56.07	587.039
DA4326	667	635+72.684	56.01	586.955
DA4327	667	635+62.481	55.99	586.796
DA4328	667	635+52.951	55.94	586.629
DA4329	667	635+42.891	56.00	586.507
DA4330	667	635+33.041	55.99	586.370
DA4331	667	635+23.186	55.90	586.232
DA4332	667	635+12.943	55.93	586.099
DA4333_1	667	635+03.315	55.92	586.036

SOUTH END SN:069-0506 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4476	619	636+86.344	67.86	588.628
DA4479	619	636+76.322	67.84	588.456
DA4480	619	636+66.652	67.88	588.281
DA4483	619	636+56.509	67.70	588.103
DA4484	619	636+46.631	67.97	587.955
DA4487_2	619	636+37.098	67.98	587.809
DA4411_2	618	636+37.037	67.96	587.805
DA4401	618	636+27.799	68.06	587.589
DA4396	618	636+17.857	68.51	587.399
DA4380	618	636+07.528	68.29	587.179
DA4376_2	668	636+07.240	68.38	587.173
DA4375	668	635+97.960	68.24	587.085
DA4370	668	635+87.933	68.21	586.964
DA4369	668	635+78.063	68.26	586.821
DA4364	668	635+68.214	68.23	586.644
DA4363	668	635+58.307	68.22	586.521
DA4348	668	635+48.330	68.20	586.401
DA4343	668	635+38.424	68.22	586.236
DA4340	668	635+28.674	68.18	586.157
DA4339	668	635+20.383	68.16	586.033
DA4336	668	635+11.088	68.19	585.927
DA4335_1	668	635+01.979	68.13	585.838

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:069-0506 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4438	619	301+25.696	43.93	590.127
DA4441	619	301+38.725	43.95	590.391
DA4444	619	301+48.686	43.95	590.582
DA4447	619	301+58.822	44.08	590.786
DA4450	619	301+68.836	44.09	590.954
DA4453	619	301+78.518	44.12	591.131
DA4457_2	619	301+88.821	44.17	591.286
DA4508_2	618	301+88.951	44.21	591.276
DA4506	618	301+98.843	44.25	591.393
DA4505	618	302+08.899	44.24	591.499
DA4502_2	618	302+18.629	44.22	591.554
DA4511_2	668	302+19.055	44.05	591.571
DA4512	668	302+28.917	44.15	591.731
DA4516	668	302+38.840	44.17	591.981
DA4520	668	302+48.665	44.18	592.162
DA4523	668	302+59.223	44.14	592.362
DA4526	668	302+68.947	44.15	592.570
DA4529	668	302+79.376	44.13	592.738
DA4532	668	302+89.295	44.22	592.915
DA4535	668	302+99.127	44.14	593.087
DA4538	668	303+09.077	44.13	593.291
DA4541_1	668	303+19.252	44.11	593.494

NORTH END SN:069-0506 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4437	619	301+28.446	55.57	590.372
DA4442	619	301+41.797	56.03	590.637
DA4443	619	301+53.881	55.69	590.867
DA4448	619	301+62.853	55.78	591.022
DA4449	619	301+72.743	55.69	591.213
DA4454	619	301+82.794	55.71	591.405
DA4458_2	619	301+93.081	55.99	591.555
DA4491_2	618	301+93.293	56.04	591.566
DA4492	618	302+02.895	56.08	591.657
DA4497	618	302+12.758	56.12	591.754
DA4500_2	618	302+22.927	56.19	591.839
DA4513_2	667	302+23.437	56.07	591.836
DA4514	667	302+32.556	56.20	591.983
DA4515	667	302+42.424	56.17	592.193
DA4521	667	302+52.463	56.28	592.453
DA4522	667	302+61.511	56.25	592.577
DA4527	667	302+72.528	56.27	592.806
DA4528	667	302+82.539	56.22	592.974
DA4533	667	302+92.286	56.18	593.157
DA4534	667	303+01.709	56.23	593.343
DA4539	667	303+12.187	56.20	593.523
DA4540_1	667	303+21.889	56.19	593.698

NORTH END SN:069-0506 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA4471	619	301+48.116	67.95	590.542
DA4468	619	301+58.025	68.00	590.695
DA4467	619	301+67.886	67.96	590.912
DA4464	619	301+77.746	67.95	591.059
DA4463	619	301+87.790	67.92	591.262
DA4459_2	619	301+97.429	68.04	591.434
DA4490	618	301+97.570	68.04	591.447
DA4493	618	302+08.008	67.85	591.529
DA4496	618	302+18.019	68.04	591.601
DA4499	618	302+27.483	68.10	591.691
DA4543_2	668	302+28.059	68.54	591.679
DA4552	668	302+37.874	68.29	591.898
DA4562	668	302+47.685	68.29	592.139
DA4567	668	302+57.685	68.30	592.337
DA4568	668	302+67.750	68.30	592.522
DA4573	668	302+77.800	68.34	592.705
DA4574	668	302+87.553	68.33	592.883
DA4579	668	302+97.432	68.30	593.075
DA4580	668	303+07.445	68.34	593.273
DA4585	668	303+17.184	68.30	593.445
DA4586_1	668	303+27.366	68.23	593.588

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 069-0506
(FOR INFORMATION ONLY)

SCALE: SHEET 13 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	13
		CONTRACT NO. 72940		
		ILLINOIS FED. AID PROJECT		

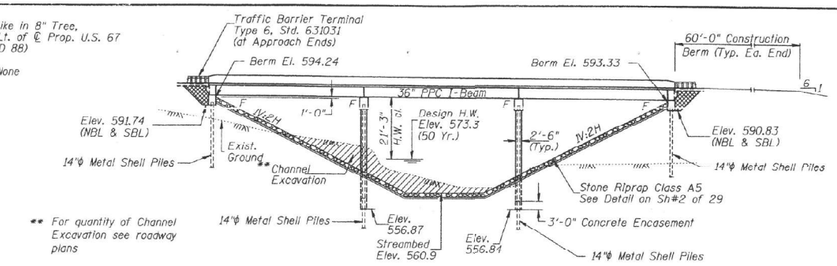
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-12(B-1)	MORGAN	843	258
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1

29 SHEETS

B. M. TA-21 : RR Spike in 8" Tree, Sta. ±543+10, 15' Lt. of ℄ Prop. U.S. 67 Elev. 595.378 (NAVD 88)

Existing Structure : None



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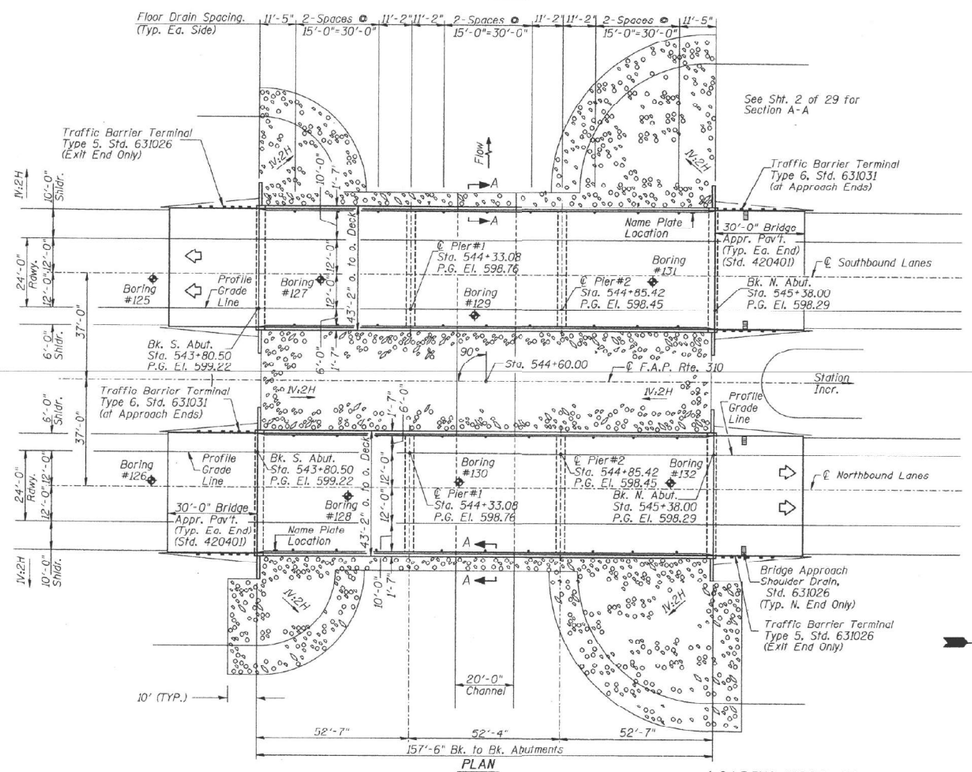
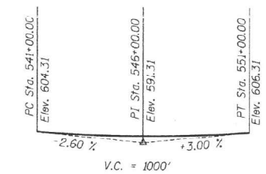


PLAN



PROPOSED PROFILE GRADE

N.B. & S.B. F.A.P. 310

STATION 544+59.25
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 69-12(B-1)
PROJECT NO. ACNHF-310(72)
LOADING HS20
STR. NO. 069-0507

NAME PLATE-SBL
(See Std. 515001)

STATION 544+59.25
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 69-12(B-1)
PROJECT NO. ACNHF-310(72)
LOADING HS20
STR. NO. 069-0508

NAME PLATE-NBL
(See Std. 515001)

INDEX TO SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Superstructure	CU YD	471.8	-	471.8
Concrete Structures	CU YD	-	542.0	542.0
Reinforcement Bars, Epoxy Coated	POUND	104,320	45,080	149,400
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36"	FOOT	1,866	-	1,866
Stone Riprap, Class A5	TON	-	6,575	6,575
Filter Fabric For Use with Riprap	SQ YD	-	4,175	4,175
Porous Granular Embankment	CU YD	-	260	260
Name Plates	EACH	2	-	2
Furnishing Metal Pile Shells 14"	FOOT	-	4,424	4,424
Driving and Filling Shells	FOOT	-	4,424	4,424
Test Pile Metal Shells 14"	EACH	-	4	4
Bar Splicers	EACH	160	-	160
Structure Excavation	CU YD	-	604	604
Bridge Deck Grooving	SQ YD	1,330	-	1,330
Protective Coat	SQ YD	1,658	-	1,658
Underwater Structure Excavation Protection Location 5	EACH	-	1	1
Underwater Structure Excavation Protection Location 6	EACH	-	1	1
Underwater Structure Excavation Protection Location 7	EACH	-	1	1
Underwater Structure Excavation Protection Location 8	EACH	-	1	1
Floor Drains	EACH	36	-	36

JAMES O. HAMILTON
081-003865
LICENSED STRUCTURAL ENGINEER OF JACKSONVILLE
ILLINOIS
8/21/2002
License Expires 11/30/2002

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DESIGNED	JEH
CHECKED	BRT
DRAWN	TC
CHECKED	BRT

WATERWAY INFORMATION

Drainage Area = 9.4 Sq. Mi. Low Grade Elev.-598.28 ft. @ Sta. 545+64.37

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. ft. Exist.	Opening Sq. ft. Prop.	Nat. H.W.E. ft.	Head - ft. Exist.	Head - ft. Prop.	Headwater Elev. - ft. Exist.	Headwater Elev. - ft. Prop.
Design	50	2,966		486	573.3		0.6		573.9
Base	100	3,415		518	573.8		0.7		574.5
Overtopping									
Max. Calc.	500	4,496		592	574.9		1.0		575.9

2086/BRUSHY/2086U001

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999 and 2000 Interims

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.05
Site Coefficient (S) = 1.5

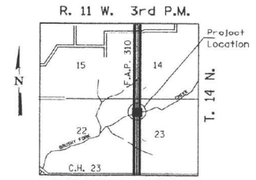
DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f'_s = 270,000 psi (½"ϕ low relaxation strands)
f_{si} = 201,960 psi (½"ϕ low relaxation strands)



LOCATION SKETCH

GENERAL PLAN
US 67 OVER BRUSHY FORK CREEK
F.A.P. 310 SECTION 69-12(B-1)
MORGAN COUNTY
STATION 544+59.25
STR. NO. 069-0507 (SBL)
STR. NO. 069-0508 (NBL)

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Date: March 28, 2002

MODEL: bridge-9 [Sheet]
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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING BRIDGE PLAN - SN 069-0507 & 0508
(FOR INFORMATION ONLY)

SCALE: SHEET 14 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	14
		CONTRACT NO. 72940		
		ILLINOIS	FED. AID PROJECT	

SOUTH END SN:069-0507 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA3049	619	544+30.58	-49.36	598.691
DA3046	619	544+20.51	-49.28	598.825
DA3043	619	544+10.61	-49.32	598.865
DA3040	619	544+00.62	-49.20	598.967
DA3037	619	543+90.64	-49.36	599.078
DA3034	619	543+80.52	-49.31	599.190
DA3079_1	618	543+80.41	-49.25	599.187
DA3082	618	543+70.04	-49.23	599.236
DA3083	618	543+60.20	-49.23	599.321
DA3085_1	618	543+50.59	-49.16	599.399
DA3089_1	678	543+50.29	-49.18	599.394
DA3092	678	543+45.64	-49.17	599.507
DA3105	678	543+44.84	-49.20	599.522
DA3093	678	543+40.95	-49.19	599.602
DA3111	678	543+30.52	-49.20	599.769
DA3115	678	543+21.04	-49.17	599.920
DA3118	678	543+10.92	-49.05	600.051
DA3123	678	543+01.20	-49.15	600.208
DA3126	678	542+91.10	-49.12	600.337
DA3131	678	542+81.17	-49.16	600.525
DA3134	678	542+71.35	-49.11	600.660
DA3142	678	542+61.44	-49.17	600.844
DA3145_1	678	542+50.25	-49.14	601.064

SOUTH END SN:069-0507 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA3050	619	544+30.50	-36.70	598.906
DA3045	619	544+21.65	-36.68	599.001
DA3044	619	544+10.94	-36.42	599.063
DA3039	619	544+01.12	-36.41	599.175
DA3038	619	543+90.66	-36.84	599.261
DA3035_1	619	543+80.52	-37.11	599.380
DA3066	618	543+80.49	-36.84	599.373
DA3069	618	543+70.24	-37.02	599.489
DA3070	618	543+59.25	-37.00	599.568
DA3078	618	543+50.63	-37.03	599.597
DA3090_1	667	543+50.30	-37.11	599.626
DA3091	667	543+40.20	-37.11	599.806
DA3112	667	543+30.56	-37.21	599.999
DA3116	667	543+20.73	-37.11	600.087
DA3117	667	543+10.21	-37.14	600.232
DA3124	667	543+01.20	-37.15	600.404
DA3125	667	542+90.86	-37.13	600.542
DA3132	667	542+81.00	-37.12	600.674
DA3133	667	542+70.96	-37.07	600.847
DA3143	667	542+61.14	-37.07	601.014
DA3144_1	667	542+50.29	-37.05	601.180

SOUTH END SN:069-0507 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA3063	619	544+30.53	-24.88	598.729
DA3060	619	544+20.46	-24.87	598.772
DA3059	619	544+10.63	-24.94	598.893
DA3056	619	544+00.81	-24.82	598.980
DA3055	619	543+90.71	-24.84	599.090
DA3051	619	543+80.45	-24.91	599.203
DA3065	618	543+80.41	-24.83	599.212
DA3068	618	543+69.97	-24.86	599.321
DA3071	618	543+59.86	-24.95	599.400
DA3075	618	543+50.57	-24.95	599.454
DA3167_1	678	543+50.28	-24.89	599.466
DA3166	678	543+40.31	-24.90	599.632
DA3163	678	543+30.51	-24.91	599.796
DA3162	678	543+20.68	-24.95	599.957
DA3159	678	543+10.27	-24.95	600.058
DA3158	678	543+01.20	-24.90	600.211
DA3155	678	542+90.64	-24.93	600.371
DA3154	678	542+80.79	-24.87	600.519
DA3151	678	542+70.99	-24.93	600.621
DA3150	678	542+60.88	-24.90	600.844
DA3147_1	678	542+50.30	-24.98	601.020

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:069-0507 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA3049_1	619	544+87.84	-49.38	598.388
DA3029	619	544+97.81	-49.45	598.361
DA3026	619	545+07.76	-49.40	598.305
DA3024	619	545+17.72	-49.46	598.254
DA3023	619	545+27.60	-49.50	598.208
DA3019	619	545+37.87	-49.37	598.180
DA2980_1	618	545+38.02	-49.22	598.192
DA2967	618	545+48.17	-49.60	597.991
DA2966	618	545+52.03	-49.48	597.934
DA2957	618	545+58.35	-49.61	597.873
DA2954	618	545+67.88	-49.39	597.788
DA2905_1	678	545+68.18	-49.41	597.802
DA2915	678	545+73.05	-49.51	597.825
DA2923	678	545+78.48	-49.49	597.799
DA2924	678	545+88.34	-49.37	597.853
DA2931	678	545+98.34	-49.36	597.910
DA2932	678	546+08.31	-49.35	597.959
DA2937	678	546+18.59	-49.35	597.988
DA2940	678	546+28.37	-49.29	598.034
DA2941	678	546+38.19	-49.31	598.121
DA2946	678	546+48.05	-49.31	598.197
DA2947	678	546+58.17	-49.28	598.279
DA2952_1	678	546+67.66	-49.23	598.318

NORTH END SN:069-0507 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA3050_1	619	544+87.91	-37.42	598.587
DA3013	619	544+97.56	-37.30	598.539
DA3012	619	545+07.63	-37.08	598.494
DA3007	619	545+17.33	-36.90	598.443
DA3006	619	545+27.14	-37.04	598.426
DA3002	619	545+37.91	-37.13	598.374
DA2981_1	618	545+38.01	-37.19	598.438
DA2976	618	545+48.64	-37.25	598.241
DA2956	618	545+58.06	-37.24	598.120
DA2955	618	545+67.86	-37.25	598.015
DA2873_1	667	545+68.16	-37.12	598.012
DA2876	667	545+78.52	-37.17	598.042
DA2879	667	545+88.80	-37.23	598.087
DA2880	667	545+99.43	-37.25	598.071
DA2885	667	546+08.20	-37.21	598.123
DA2886	667	546+19.46	-37.26	598.210
DA2891	667	546+28.89	-37.25	598.235
DA2892	667	546+39.46	-37.20	598.351
DA2897	667	546+48.95	-37.21	598.387
DA2898	667	546+59.18	37.17	598.465
DA2903_1	667	546+67.66	-37.10	598.466

NORTH END SN:069-0507 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA3063_1	619	544+87.79	-24.92	598.361
DA3014	619	544+97.89	-24.94	598.361
DA3011	619	545+07.86	-24.86	598.306
DA3008	619	545+17.57	-25.03	598.252
DA3005	619	545+27.73	-25.04	598.210
DA3001	619	545+37.92	-25.32	598.280
DA2998	618	545+38.08	-25.17	598.266
DA2997	618	545+42.23	-24.97	598.214
DA2995	618	545+47.53	-25.03	598.077
DA2989	618	545+51.82	-25.09	598.001
DA2986	618	545+57.82	-25.09	597.979
DA2982	618	545+67.86	-25.10	597.811
DA2872_1	678	545+68.13	-25.06	597.810
DA2875	678	545+78.58	-25.19	597.888
DA2878	678	545+88.87	-25.15	597.901
DA2881	678	545+98.84	-25.13	597.949
DA2884	678	546+08.41	-25.13	597.973
DA2887	678	546+18.44	-25.12	598.002
DA2890	678	546+28.63	-25.08	598.066
DA2893	678	546+38.35	25.09	598.132
DA2896	678	546+48.41	-25.04	598.163
DA2899	678	546+58.23	-25.05	598.232
DA2902_1	678	546+67.72	-24.98	598.296

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING PAVEMENT ELEVATIONS - SN 069-0507
(FOR INFORMATION ONLY)

SCALE: | SHEET 15 OF 18 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	15
		CONTRACT NO. 72940		
		ILLINOIS FED. AID PROJECT		

SOUTH END SN:069-0508 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2783	619	544+30.52	24.98	598.694
DA2780	619	544+20.87	25.00	598.790
DA2777	619	544+10.69	24.92	598.874
DA2774	619	544+00.69	24.99	598.955
DA2771	619	543+90.94	25.10	599.037
DA2768	619	543+80.57	25.11	599.194
DA2759	618	543+80.38	25.10	599.193
DA2762	618	543+70.39	25.04	599.283
DA2763	618	543+59.62	24.92	599.365
DA2765	618	543+50.63	24.94	599.465
DA2839_1	668	543+50.33	24.96	599.473
DA2842	668	543+40.27	25.02	599.623
DA2845	668	543+29.91	25.12	599.819
DA2848	668	543+20.27	25.09	599.937
DA2851	668	543+10.28	25.21	600.057
DA2854	668	543+00.34	25.13	600.228
DA2857	668	542+90.22	25.11	600.322
DA2860	668	542+80.13	25.08	600.508
DA2863	668	542+70.60	24.99	600.641
DA2866	668	542+60.25	24.99	600.790
DA2869_1	668	542+49.95	25.05	601.028

SOUTH END SN:069-0508 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2784	619	544+30.28	36.83	598.873
DA2781	619	544+20.76	36.72	598.965
DA2776	619	544+10.70	36.58	599.050
DA2775	619	544+00.79	36.65	599.135
DA2770	619	543+91.08	36.58	599.251
DA2769	619	543+80.56	36.79	599.370
DA2758_1	618	543+80.47	36.88	599.361
DA2757	618	543+71.07	36.89	599.451
DA2756	618	543+60.38	36.90	599.554
DA2755	618	543+50.61	36.99	599.649
DA2838_1	667	543+50.27	36.90	599.702
DA2843	667	543+39.47	36.97	599.804
DA2844	667	543+30.25	37.06	599.960
DA2849	667	543+20.06	37.09	600.099
DA2850	667	543+09.58	37.07	600.225
DA2855	667	542+99.94	37.10	600.317
DA2858	667	542+90.45	37.07	600.466
DA2861	667	542+80.22	37.10	600.667
DA2864	667	542+70.53	36.99	600.785
DA2865	667	542+59.50	36.99	601.027
DA2870_1	667	542+50.15	37.05	601.210

SOUTH END SN:069-0508 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2785_1	619	544+30.70	49.10	598.706
DA2788	619	544+20.89	49.15	598.791
DA2789	619	544+10.61	49.10	598.842
DA2792	619	544+00.99	49.11	598.931
DA2793	619	543+90.44	49.09	599.011
DA2795	619	543+80.55	49.11	599.174
DA2748	618	543+80.44	49.08	599.175
DA2749	618	543+70.21	49.20	599.237
DA2752	618	543+60.26	49.11	599.289
DA2754	618	543+50.63	49.21	599.412
DA2799_1	668	543+50.33	49.20	599.371
DA2815	668	543+39.52	49.25	599.551
DA2818	668	543+30.24	49.16	599.687
DA2819	668	543+20.12	49.17	599.829
DA2824	668	543+09.97	49.31	599.972
DA2825	668	542+99.69	49.34	600.136
DA2829	668	542+90.41	49.31	600.268
DA2830	668	542+80.32	49.28	600.444
DA2833	668	542+70.45	49.30	600.590
DA2834	668	542+60.21	49.23	600.806
DA2837_1	668	542+50.08	49.24	601.012

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:069-0508 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2783_1	619	544+87.81	24.91	598.326
DA2729	619	544+97.91	25.06	598.323
DA2726	619	545+07.62	24.99	598.265
DA2723	619	545+17.69	24.90	598.238
DA2720	619	545+27.63	25.03	598.186
DA2717	619	545+37.87	25.16	598.187
DA2697	618	545+38.12	25.12	598.202
DA2701	618	545+48.62	24.90	598.002
DA2702	618	545+54.47	24.78	597.894
DA2711	618	545+58.80	24.91	597.841
DA2712	618	545+67.84	24.88	597.747
DA2590_1	668	545+68.19	24.90	597.754
DA2593	668	545+79.09	24.96	597.783
DA2596	668	545+88.45	25.02	597.768
DA2599	668	545+98.24	25.04	597.803
DA2602	668	546+08.51	24.89	597.830
DA2605	668	546+18.32	24.90	597.867
DA2608	668	546+28.20	24.90	597.953
DA2611	668	546+38.14	24.99	598.021
DA2614	668	546+48.14	24.90	598.071
DA2617	668	546+58.21	24.98	598.146
DA2620_1	668	546+68.00	24.95	598.210

NORTH END SN:069-0508 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2784_1	619	544+88.07	36.25	598.522
DA2728	619	544+98.67	36.07	598.499
DA2727	619	545+07.62	36.26	598.436
DA2724	619	545+17.91	36.39	598.408
DA2719	619	545+27.65	36.49	598.379
DA2718	619	545+37.65	36.70	598.366
DA2696	618	545+38.06	36.79	598.365
DA2692	618	545+49.63	36.73	598.153
DA2677	618	545+59.92	36.87	597.974
DA2676	618	545+67.89	36.94	597.896
DA2591_1	667	545+68.11	36.88	597.906
DA2592	667	545+78.38	37.01	597.933
DA2597	667	545+88.65	36.91	597.933
DA2598	667	545+98.09	36.98	597.965
DA2603	667	546+07.45	36.98	597.970
DA2604	667	546+17.60	37.02	598.038
DA2609	667	546+26.66	37.03	598.081
DA2610	667	546+37.16	37.03	598.133
DA2615	667	546+47.85	37.01	598.239
DA2616	667	546+57.22	37.07	598.309
DA2621_1	667	546+67.76	36.86	598.373

NORTH END SN:069-0508 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2785	619	544+87.91	48.96	598.306
DA2737	619	544+98.33	48.96	598.269
DA2738	619	545+07.89	49.18	598.240
DA2741	619	545+17.64	48.98	598.206
DA2743	619	545+27.83	49.11	598.217
DA2744	619	545+37.57	49.06	598.194
DA2695	618	545+38.05	49.05	598.174
DA2691	618	545+49.23	49.21	597.949
DA2678	618	545+59.86	49.14	597.782
DA2675	618	545+67.88	49.07	597.703
DA2622_1	668	545+68.22	49.16	597.668
DA2639	668	545+74.08	49.21	597.725
DA2640	668	545+78.61	49.13	597.751
DA2647	668	545+88.35	49.11	597.764
DA2648	668	545+98.04	49.19	597.766
DA2653	668	546+08.08	49.14	597.816
DA2654	668	546+18.22	49.10	597.847
DA2659	668	546+27.90	49.10	597.893
DA2660	668	546+37.98	49.07	597.967
DA2665	668	546+48.11	49.13	598.054
DA2666	668	546+58.05	49.10	598.106
DA2672	668	546+67.17	49	598.22
DA2673_1	668	546+67.99	49.01	598.214

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 069-0508
(FOR INFORMATION ONLY)

SCALE: | SHEET 16 OF 18 SHEETS | STA. | TO STA.

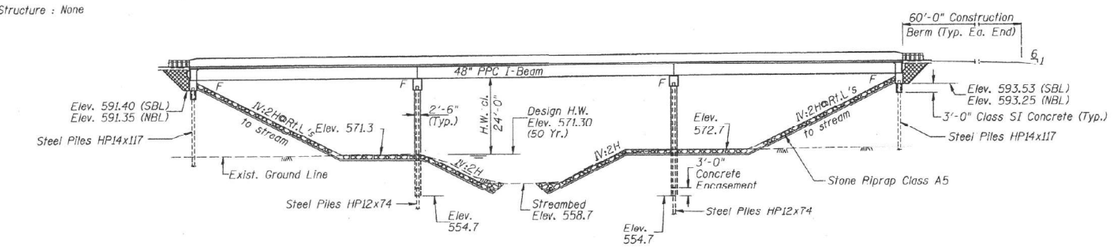
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	16

CONTRACT NO. 72940

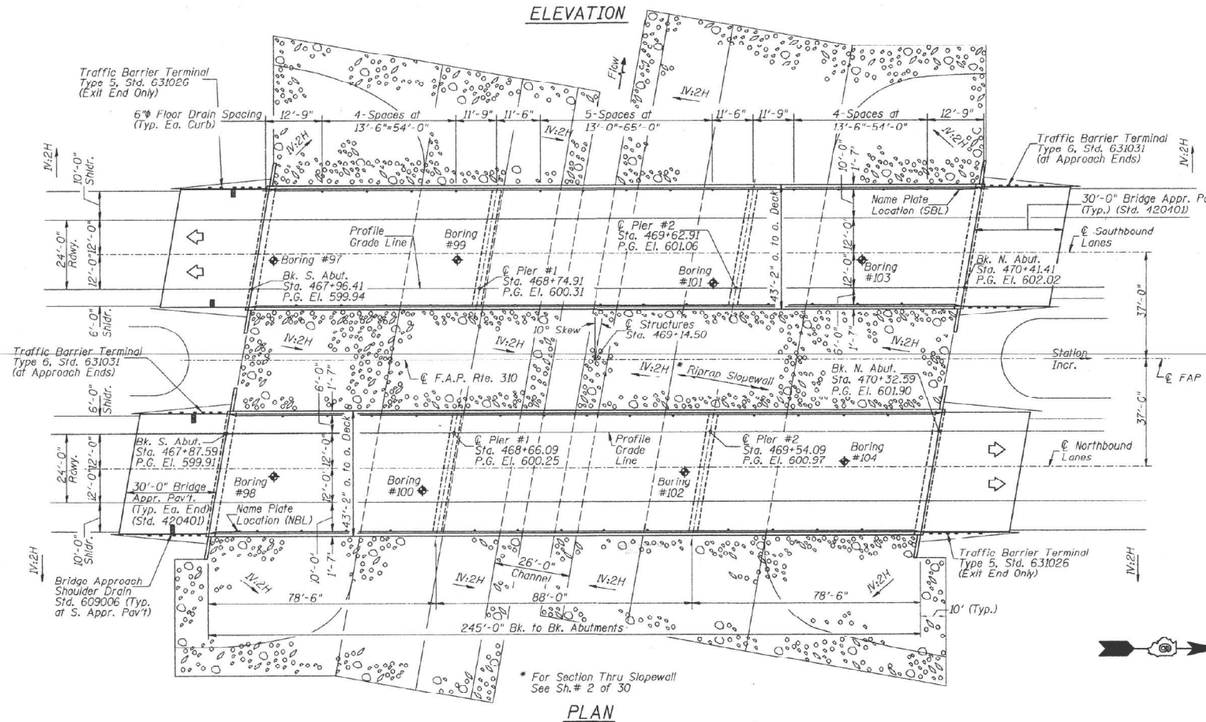
ILLINOIS | FED. AID PROJECT

B. M. TA-12 : RR Spike in 12" Tree North Side of Creek, Sta. 469+91.90, 94.7' Lt. of ℄ Prop. U.S. 67
Elev. 575.44 (NAVD 88)

Existing Structure : None



ELEVATION

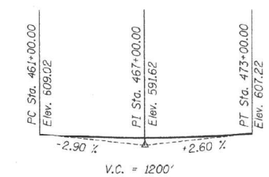


PLAN

INDEX TO SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
310	69-12(B-2)	MORGAN	843	228
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
30 SHEETS



PROPOSED PROFILE GRADE

N.B. & S.B. F.A.P. 310

STATION 469+14.50
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 69-12(B-2)
PROJECT NO. ACNHF-310(72)
LOADING HS20
STR. NO. 069-0509

NAME PLATE-SBL
(See Std. 515001)

STATION 469+14.50
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 69-12(B-2)
PROJECT NO. ACNHF-310(72)
LOADING HS20
STR. NO. 069-0510

NAME PLATE-NBL
(See Std. 515001)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Superstructure	CU YD	729.2	-	729.2
Concrete Structures	CU YD	-	683.1	683.1
Reinforcement Bars, Epoxy Coated	POUND	155,800	50,110	205,910
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48'	FOOT	2,916	-	2,916
Stone Riprap, Class A5	TON	-	10,080	10,080
Filter Fabric For Use with Riprap	SQ YD	-	6,400	6,400
Porous Granular Embankment	CU YD	408	-	408
Name Plates	EACH	2	-	2
Furnishing Steel Piles HP 14x117	FOOT	-	3,718	3,718
Test Pile Steel HP 14x117	EACH	-	2	2
Furnishing Steel Piles HP 12x74	FOOT	-	5,403	5,403
Test Pile Steel HP 12x74	EACH	-	3	3
Driving Steel Piles	FOOT	-	9,121	9,121
Bar Splicers	EACH	160	-	160
Structure Excavation	CU YD	-	668	668
Bridge Deck Grooving	SQ YD	2,068	-	2,068
Protective Coat	SQ YD	2,578	-	2,578
Underwater Structure Excavation Protection Location 1	EACH	-	1	1
Underwater Structure Excavation Protection Location 2	EACH	-	1	1
Underwater Structure Excavation Protection Location 3	EACH	-	1	1
Underwater Structure Excavation Protection Location 4	EACH	-	1	1
Floor Drains	EACH	64	-	64

JAMES O. HAMILTON
081-003668
LICENSED STRUCTURAL ENGINEER OF JACKSONVILLE
ILLINOIS

James O. Hamilton
3/21/2002
License Expires 11/30/2002.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

WATERWAY INFORMATION

Drainage Area = 11.2 Sq. Mi. Low Grade Elev.=599.85 ft. @ Sta. 467+33

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. ft. Exist.	Opening Sq. ft. Prop.	Nat. H.W.F. ft.	Head - ft. Exist.	Head - ft. Prop.	Headwater Elev. - ft. Exist.	Headwater Elev. - ft. Prop.
Design	50	4,114	—	794	571.30	—	0.40	—	571.70
Base	100	4,760	—	872	571.90	—	0.60	—	572.50
Overtopping									
Max. Calc.	500	6,314	—	1019	573.00	—	0.80	—	573.80

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999 & 2000 Interims

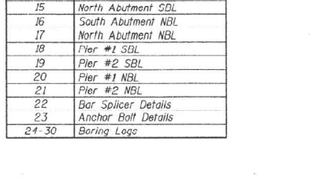
SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.05
Site Coefficient (S) = 1.5

DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS
f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f'_s = 270,000 psi (½"Φ low relaxation strands)
f_{si} = 201,960 psi (½"Φ low relaxation strands)



LOCATION SKETCH

GENERAL PLAN
US 67 OVER SPOON CREEK
F.A.P. 310 SECTION 69-12(B-2)
MORGAN COUNTY
STATION 469+14.50
STR. NO. 069-0509 (SBL)
STR. NO. 069-0510 (NBL)

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Date: March 28, 2002

DESIGNED	JEH		
CHECKED	BRT		
DRAWN	TC		
CHECKED	BRT		

2086/SPOON/2086B060

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLAN - SN 069-0509 & 0510
(FOR INFORMATION ONLY)

SCALE: | SHEET 17 OF 18 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	17
		CONTRACT NO. 72940		
		ILLINOIS	FED. AID PROJECT	

SOUTH END SN:069-0509 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2147_1	619	468+50.96	-49.08	600.049
DA2144	619	468+41.13	-49.24	600.018
DA2143	619	468+30.84	-49.19	599.914
DA2140	619	468+21.25	-49.15	599.898
DA2139	619	468+11.22	-49.39	599.864
DA2135	619	468+00.59	-49.24	599.846
DA2095	618	468+00.37	-49.27	599.813
DA2093	618	467+91.23	-49.31	599.673
DA2082	618	467+81.47	-49.34	599.565
DA2081	618	467+70.73	-49.25	599.488
DA2035_1	668	467+70.39	-49.29	599.474
DA2040	668	467+60.21	-49.16	599.464
DA2041	668	467+50.26	-49.15	599.505
DA2046	668	467+40.44	-49.15	599.499
DA2047	668	467+30.56	-49.21	599.443
DA2063	668	467+20.20	-49.15	599.455
DA2064	668	467+10.70	-49.15	599.448
DA2069	668	467+00.66	-49.09	599.477
DA2070	668	466+90.57	-49.15	599.525
DA2075	668	466+80.77	-49.14	599.549
DA2076	668	466+70.72	-49.13	599.571

SOUTH END SN:069-0509 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2129	619	468+48.89	-36.82	600.236
DA2130	619	468+38.94	-36.54	600.206
DA2131	619	468+29.38	-36.31	600.139
DA2132	619	468+18.94	-36.51	600.102
DA2133	619	468+09.16	-36.69	600.049
DA2134_1	619	467+98.43	-37.03	600.027
DA2099_1	618	467+98.28	-37.03	600.008
DA2098	618	467+88.38	-36.99	599.855
DA2097	618	467+78.79	-36.97	599.747
DA2096	618	467+68.52	-37.04	599.681
DA2034	667	467+68.19	-37.03	599.679
DA2033	667	467+57.19	-37.05	599.673
DA2032	667	467+47.85	-37.03	599.660
DA2031	667	467+38.14	-37.04	599.652
DA2030	667	467+28.27	-37.07	599.643
DA2029	667	467+18.14	-37.09	599.651
DA2028	667	467+08.66	-37.04	599.651
DA2027	667	466+98.27	-36.98	599.663
DA2026	667	466+88.72	-36.93	599.693
DA2025	667	466+78.67	-36.94	599.703
DA2024	667	466+68.86	-36.89	599.761
DA2023	667	466+66.45	-36.83	599.744

SOUTH END SN:069-0509 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2128	619	468+46.87	-24.96	600.066
DA2125	619	468+36.34	-25.06	600.013
DA2122	619	468+25.97	-25.08	599.932
DA2121	619	468+16.46	-25.04	599.927
DA2118	619	468+07.66	-25.05	599.877
DA2117	619	467+96.26	-24.97	599.837
DA2100	618	467+96.03	-25.01	599.829
DA2103	618	467+86.94	-25.01	599.721
DA2107	618	467+76.81	-24.94	599.565
DA2113	618	467+66.44	-25.10	599.473
DA2002_1	668	467+66.09	-25.12	599.473
DA2003	668	467+56.21	-24.90	599.539
DA2006	668	467+46.15	-24.91	599.564
DA2007	668	467+36.18	-24.95	599.536
DA2010	668	467+25.53	-24.95	599.506
DA2011	668	467+16.22	-24.94	599.507
DA2014	668	467+06.29	-24.93	599.526
DA2015	668	466+96.22	-24.93	599.574
DA2018	668	466+85.73	-24.92	599.575
DA2019	668	466+76.29	-24.92	599.604
DA2022	668	466+66.37	-24.87	599.618

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:069-0509 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2158_1	619	469+95.72	-49.04	601.290
DA2157	619	470+05.40	-49.06	601.405
DA2154	619	470+15.33	-49.09	601.559
DA2153	619	470+24.05	-49.07	601.659
DA2150	619	470+34.55	-49.08	601.767
DA2149_1	619	470+45.41	-49.05	601.897
DA2191	618	470+45.49	-49.04	601.904
DA2194	618	470+54.43	-49.14	601.965
DA2195	618	470+64.20	-49.11	602.054
DA2198	618	470+75.33	-49.40	602.142
DA2233_1	668	470+75.66	-49.35	602.211
DA2243	668	470+87.06	-49.25	602.461
DA2246	668	470+96.02	-49.24	602.653
DA2247	668	471+05.94	-49.17	602.827
DA2258	668	471+16.27	-49.20	602.980
DA2259	668	471+25.96	-49.15	603.182
DA2264	668	471+35.97	-49.12	603.357
DA2265	668	471+45.98	-49.06	603.530
DA2271	668	471+55.79	-49.09	603.733
DA2272	668	471+65.70	-48.99	603.902
DA2276	668	471+72.79	-49.11	604.073
DA2277	668	471+75.55	-49.12	604.108

NORTH END SN:069-0509 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2160_1	619	469+91.36	-37.29	601.399
DA2161	619	470+02.97	-37.14	601.578
DA2162	619	470+12.93	-36.86	601.720
DA2163	619	470+23.73	-36.84	601.834
DA2164	619	470+33.04	-37.00	601.943
DA2165_1	619	470+43.33	-37.14	602.073
DA2190	618	470+43.47	-37.17	602.090
DA2189	618	470+53.95	-37.18	602.105
DA2188	618	470+64.35	-37.21	602.227
DA2187	618	470+73.21	-37.17	602.325
DA2222_1	667	470+73.55	-37.15	602.354
DA2223	667	470+84.72	-37.06	602.574
DA2224	667	470+94.04	-37.10	602.788
DA2225	667	471+04.43	-37.00	602.983
DA2226	667	471+14.29	-37.05	603.181
DA2227	667	471+23.97	-37.05	603.357
DA2228	667	471+33.83	-37.00	603.527
DA2229	667	471+43.53	-37.06	603.717
DA2230	667	471+53.80	-36.97	603.881
DA2231	667	471+63.90	-37.06	604.077
DA2232	667	471+72.92	-37.08	604.221
DA2278	667	471+75.65	-37.10	604.277

NORTH END SN:069-0509 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2178_1	619	469+90.80	-25.08	601.253
DA2175	619	470+00.92	-25.07	601.391
DA2174	619	470+10.78	-25.10	601.522
DA2171	619	470+21.09	-25.10	601.639
DA2170	619	470+30.07	-25.14	601.731
DA2166_1	619	470+41.19	-25.14	601.874
DA2180	618	470+41.43	-25.15	601.901
DA2181	618	470+52.09	-25.08	601.918
DA2184	618	470+61.56	-25.12	602.009
DA2186	618	470+71.10	-25.07	602.077
DA2201_1	668	470+71.38	-25.04	602.089
DA2202	668	470+81.61	-25.05	602.318
DA2205	668	470+92.58	-25.00	602.545
DA2206	668	471+01.76	-24.93	602.735
DA2209	668	471+11.48	-24.95	602.934
DA2210	668	471+21.39	-24.93	603.109
DA2213	668	471+31.66	-24.87	603.302
DA2214	668	471+41.58	-24.86	603.486
DA2217	668	471+51.27	-24.87	603.659
DA2218	668	471+60.41	-24.83	603.834
DA2221	668	471+69.91	-24.85	603.992
DA2279	668	471+75.67	-24.91	604.115

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 069-0509
(FOR INFORMATION ONLY)

SCALE: SHEET 18 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	18
		CONTRACT NO. 72940		
		ILLINOIS FED. AID PROJECT		

SOUTH END SN:069-0510 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2434_1	619	468+37.13	25.00	599.939
DA2433	619	468+27.44	25.00	599.866
DA2430	619	468+16.94	25.05	599.863
DA2429	619	468+07.64	25.05	599.812
DA2426	619	467+97.49	25.08	599.754
DA2425	619	467+87.38	25.15	599.696
DA2482	618	467+87.31	25.05	599.727
DA2485	618	467+77.16	24.93	599.637
DA2486	618	467+72.91	25.03	599.544
DA2487	618	467+70.37	24.95	599.534
DA2488	618	467+66.30	25.11	599.550
DA2489	618	467+57.74	24.98	599.496
DA2502_1	668	467+57.23	24.95	599.449
DA2503	668	467+46.92	25.03	599.533
DA2506	668	467+37.07	25.00	599.568
DA2507	668	467+27.26	25.01	599.555
DA2510	668	467+17.28	25.02	599.545
DA2511	668	467+07.09	25.08	599.536
DA2514	668	466+97.23	25.05	599.581
DA2515	668	466+86.99	25.04	599.574
DA2518	668	466+77.43	25.03	599.602
DA2519	668	466+67.23	24.96	599.626
DA2523	668	466+57.35	24.95	599.653
DA2524	668	466+56.06	24.94	599.629
DA2525	668	466+53.44	24.97	599.673
DA2586	668	466+50.24	25.00	599.655

SOUTH END SN:069-0510 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2436_1	619	468+37.30	36.85	600.125
DA2437	619	468+36.04	36.88	600.109
DA2438	619	468+26.40	36.93	600.078
DA2439	619	468+16.23	36.89	600.048
DA2440	619	468+05.59	36.40	599.996
DA2441	619	467+95.36	36.66	599.936
DA2442_1	619	467+85.39	36.89	599.895
DA2481_1	618	467+85.23	36.96	599.909
DA2480	618	467+74.95	37.11	599.809
DA2479	618	467+64.67	37.11	599.718
DA2478	618	467+55.42	37.26	599.652
DA2537	667	467+54.90	37.23	599.657
DA2536	667	467+44.83	37.33	599.704
DA2535	667	467+34.84	37.27	599.710
DA2534	667	467+26.24	37.23	599.716
DA2533	667	467+15.70	37.20	599.717
DA2532	667	467+06.25	37.19	599.742
DA2531	667	466+96.31	37.24	599.742
DA2530	667	466+86.16	37.18	599.772
DA2529	667	466+75.64	37.17	599.768
DA2528	667	466+66.24	37.01	599.799
DA2527	667	466+56.22	37.00	599.807
DA2526_1	667	466+53.07	36.98	599.810
DA2585	667	466+50.39	37.09	599.864

SOUTH END SN:069-0510 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2457_1	619	468+39.46	49.08	599.953
DA2456	619	468+33.60	49.13	599.945
DA2452	619	468+24.14	49.10	599.883
DA2451	619	468+13.67	49.04	599.845
DA2448	619	468+03.64	49.18	599.815
DA2447	619	467+93.81	49.12	599.736
DA2443	619	467+83.30	49.01	599.745
DA2459	618	467+83.20	49.14	599.746
DA2460	618	467+72.52	49.15	599.621
DA2469	618	467+67.02	49.33	599.529
DA2470	618	467+62.52	49.40	599.511
DA2477	618	467+53.33	49.32	599.435
DA2538_1	668	467+52.98	49.30	599.418
DA2543	668	467+42.59	49.24	599.468
DA2544	668	467+32.96	49.22	599.449
DA2560	668	467+22.74	49.27	599.525
DA2561	668	467+13.29	49.29	599.488
DA2565	668	467+03.44	49.31	599.535
DA2566	668	466+93.22	49.26	599.548
DA2571	668	466+83.27	49.26	599.573
DA2572	668	466+73.27	49.24	599.610
DA2577	668	466+63.79	49.19	599.652
DA2578	668	466+56.36	49.15	599.665
DA2579_1	668	466+53.67	49.14	599.690
DA2584	668	466+50.27	49.14	599.696

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:069-0510 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2313	619	469+77.20	25.06	601.081
DA2290	619	469+91.50	24.98	601.228
DA2287	619	470+02.05	24.99	601.361
DA2286	619	470+11.37	25.00	601.483
DA2283	619	470+21.78	25.02	601.602
DA2282_1	619	470+32.17	25.06	601.697
DA2316	618	470+32.30	25.07	601.687
DA2317	618	470+42.71	25.05	601.812
DA2320	618	470+52.56	25.01	601.928
DA2323	618	470+62.19	25.02	602.071
DA2399_1	668	470+62.74	24.74	602.059
DA2402	668	470+72.26	25.01	602.318
DA2403	668	470+83.01	25.05	602.515
DA2406	668	470+92.94	25.05	602.676
DA2407	668	471+02.99	25.07	602.849
DA2410	668	471+12.82	25.04	603.005
DA2411	668	471+22.83	25.06	603.204
DA2414	668	471+32.69	25.03	603.380
DA2415	668	471+42.45	25.00	603.556
DA2418	668	471+52.77	25.02	603.778
DA2419	668	471+59.24	25.05	603.922
DA2420_1	668	471+62.20	25.02	603.983

NORTH END SN:069-0510 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2312	619	469+77.08	36.58	601.253
DA2297	619	469+90.01	36.39	601.428
DA2296	619	469+98.65	36.31	601.518
DA2295	619	470+09.85	36.40	601.658
DA2294	619	470+19.72	36.40	601.765
DA2293_1	619	470+30.24	36.53	601.842
DA2324	618	470+30.31	36.45	601.821
DA2325	618	470+41.28	36.72	601.995
DA2326	618	470+50.92	36.79	602.115
DA2327_1	618	470+60.07	36.92	602.244
DA2387_1	667	470+60.42	37.07	602.300
DA2388	667	470+70.72	37.05	602.503
DA2389	667	470+81.16	37.14	602.707
DA2390	667	470+91.58	37.10	602.867
DA2391	667	471+02.12	37.12	603.012
DA2392	667	471+10.18	37.17	603.180
DA2393	667	471+20.42	37.16	603.358
DA2394	667	471+30.19	37.16	603.548
DA2395	667	471+40.10	37.16	603.717
DA2396	667	471+50.64	37.15	603.944
DA2397	667	471+59.00	37.18	604.101
DA2398_1	667	471+60.22	37.15	604.112

NORTH END SN:069-0510 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
DA2311	619	469+76.14	49.18	601.052
DA2308	619	469+86.86	49.17	601.198
DA2307	619	469+96.97	49.15	601.312
DA2304	619	470+07.43	49.13	601.451
DA2303	619	470+17.74	49.21	601.569
DA2299_1	619	470+27.95	49.18	601.615
DA2328	618	470+28.04	49.17	601.625
DA2331	618	470+38.13	49.26	601.761
DA2332	618	470+48.11	49.27	601.888
DA2334	618	470+57.94	49.23	602.027
DA2338_1	668	470+58.29	49.25	602.004
DA2339	668	470+63.68	49.17	602.149
DA2355	668	470+68.66	49.14	602.276
DA2356	668	470+78.49	49.13	602.460
DA2363	668	470+88.74	49.15	602.628
DA2364	668	470+98.16	49.19	602.777
DA2369	668	471+07.73	49.18	602.945
DA2370	668	471+17.99	49.19	603.136
DA2375	668	471+27.75	49.17	603.290
DA2376	668	471+37.96	49.19	603.515
DA2381	668	471+48.16	49.19	603.702
DA2382	668	471+57.54	49.18	603.906
DA2382_1	668	471+59.37	49.17	603.946

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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING PAVEMENT ELEVATIONS - SN 069-0510
(FOR INFORMATION ONLY)

SCALE: SHEET 19 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	19
		CONTRACT NO. 72940		
		ILLINOIS FED. AID PROJECT		

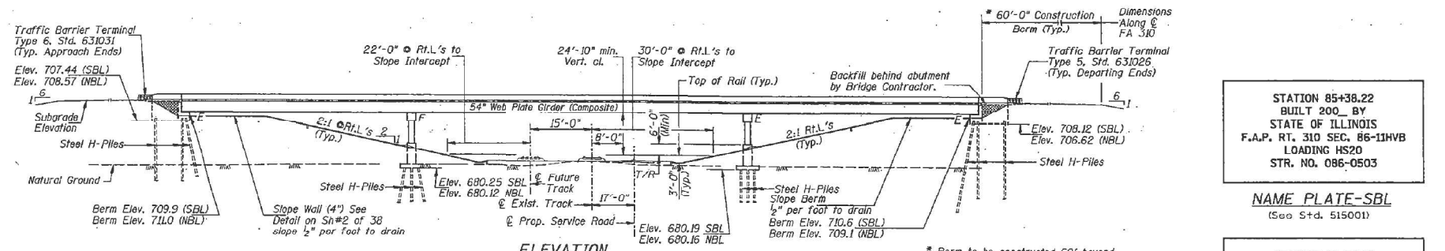
B. M. #201: Chiseled "□" on East Side of RR Manhole on West Side of RR Tracks, North of 3rd Power Pole, at Sta. 77+07.2, 447.8' Lt. Prop. FA 310 Elev. 684.24 (NAVD 88)

Existing Structure : None

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
U.S. 67 F.A. 310	*	SCOTT	557	277
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

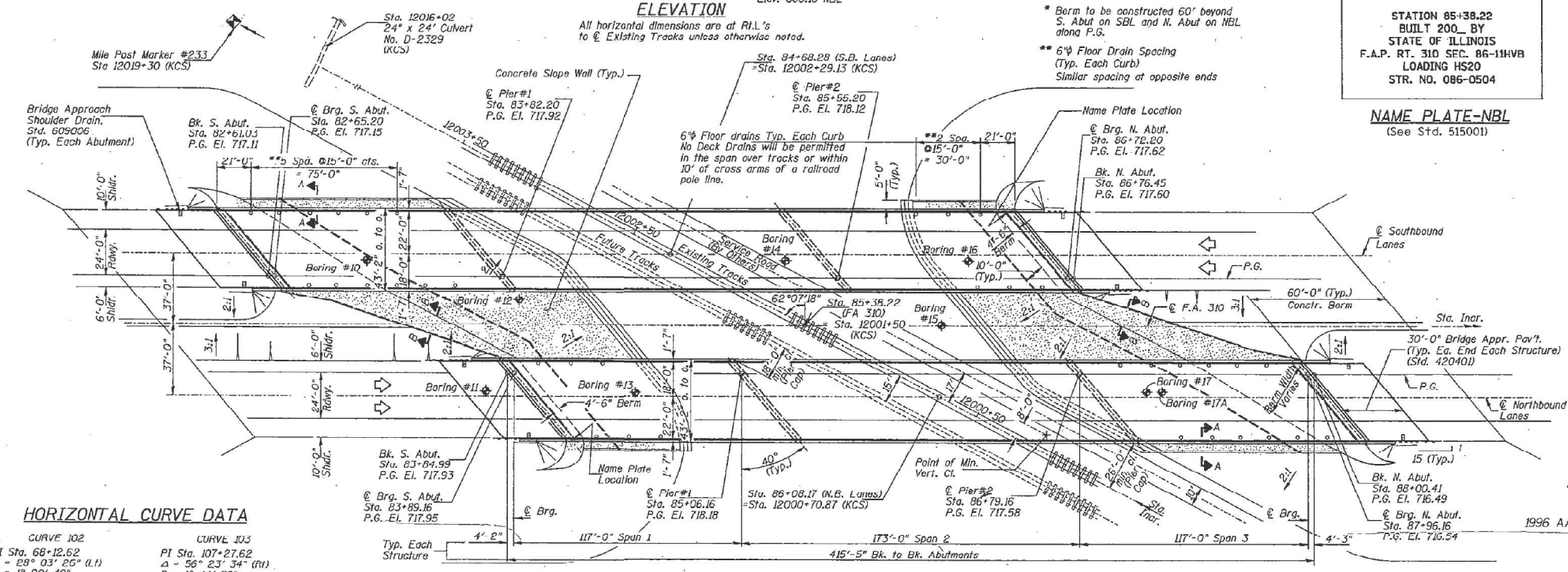
SHEET NO. 1
38 SHEETS

* 86-11HVB



ELEVATION

All horizontal dimensions are at Rt.L's to ℄ Existing Tracks unless otherwise noted.



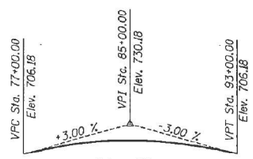
PLAN

Note: For Section A-A & Section B-B See Sh.#2 of 38
Slopes indicated thus 2:1 etc. indicates 2H:1V

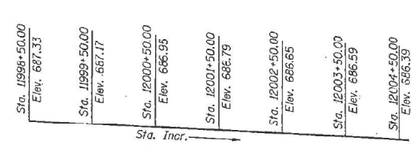
HORIZONTAL CURVE DATA

CURVE 102	CURVE 103
PI Sta. 68+12.62	PI Sta. 107+27.62
Δ = 28° 03' 26" (Lt)	Δ = 56° 23' 34" (Rt)
D = 1° 20' 40"	D = 1° 44' 50"
R = 4,261.67'	R = 3,279.25'
T = 1,064.81'	T = 1,758.05'
L = 2,086.90'	L = 3,227.57'
E = 131.01'	E = 441.53'
e = 4.0%	e = 4.8%
TR = 45'	TR = 45'
SE Run = 215'	SE Run = 215'
PC Sta. 57+47.81	PC Sta. 89+69.21
PT Sta. 78+34.71	PT Sta. 121+96.78
SE Attained Sta. 55+59.48	SE Attained Sta. 88+14.21
To Sta. 58+19.48	To Sta. 90+74.21
SE Removed Sta. 77+63.04	SE Removed Sta. 123+85.11
To Sta. 80+23.04	To Sta. 121+25.11

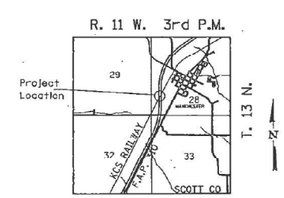
DESIGNED	JOH
CHECKED	JEH
DRAWN	TC/TD
CHECKED	JEH



PROPOSED PROFILE GRADE
F.A.P. 310



TOP OF RAIL ELEVATIONS
KANSAS CITY SOUTHERN RAILWAY



LOCATION SKETCH

STATION 85+38.22
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 86-11HVB
LOADING HS20
STR. NO. 086-0503

NAME PLATE-SBL
(See Std. 515001)

STATION 85+38.22
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P. RT. 310 SEC. 86-11HVB
LOADING HS20
STR. NO. 086-0504

NAME PLATE-NBL
(See Std. 515001)

INDEX TO SHEETS

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 50,000 psi (Structural Steel) (AASHTO M270 Grade 50W)
f_y = 60,000 psi (Reinf.)

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999, 2000 & 2002 Interims

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.05
Site Coefficient (S) = 1.2

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

JAMES O. HAMILTON
081-005696
LICENSED
STRUCTURAL ENGINEER OF
JACKSONVILLE
ILLINOIS

James O. Hamilton
8/8/2003
License Expires 11/30/2004

GENERAL PLAN
U.S. ROUTE 67 OVER
KANSAS CITY SOUTHERN RAILWAY
F.A.P. 310 SECTION 86-11HVB
SCOTT COUNTY
STATION 85+38.22
STR. NO. 086-0503 (SBL)
STR. NO. 086-0504 (NBL)

Hutchison Engineering, Inc.
JACKSONVILLE ILLINOIS
Date: February 13, 2003

REV.: 7/7/2003

2086/KCS/20868100

MODEL: bridge-15 [Sheet]
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USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING BRIDGE PLAN - SN 086-0503 & 0504
(FOR INFORMATION ONLY)

SCALE: | SHEET 20 OF 18 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	20
		CONTRACT NO. 72940		
		ILLINOIS	FED. AID PROJECT	

SOUTH END SN:086-0503 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2709	619	82+94.23	-48.86	717.221
TB2710	619	82+84.36	-48.86	717.146
TB2711	619	82+74.14	-48.87	717.037
TB2712	619	82+64.09	-48.89	716.957
TB2713	619	82+54.37	-48.88	716.838
TB2714_1	619	82+43.80	-48.89	716.759
TB2667	618	82+43.54	-48.87	716.765
TB2668	618	82+41.49	-48.85	716.777
TB2669	618	82+31.69	-48.86	716.613
TB2670	618	82+22.00	-48.86	716.457
TB2671_1	618	82+11.58	-49.01	716.252
TB2638	668	82+11.25	-48.95	716.269
TB2637	668	82+01.55	-48.91	716.193
TB2636	668	81+91.77	-48.92	716.110
TB2635	668	81+81.81	-48.91	715.948
TB2634	668	81+71.78	-48.91	715.816
TB2633	668	81+61.95	48.99	715.691
TB2632	668	81+52.09	-48.99	715.564
TB2631	668	81+41.68	-49.03	715.410
TB2630	668	81+31.81	-49.03	715.281
TB2629	668	81+22.10	-49.05	715.137
TB2628	668	81+11.90	-49.08	715.004

SOUTH END SN:086-0503 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2708	619	83+04.27	-36.86	717.453
TB2707	619	82+94.33	-36.86	717.376
TB2706	619	82+84.51	-36.92	717.292
TB2705	619	82+74.30	-36.94	717.195
TB2704	619	82+64.54	-36.95	717.139
TB2703	619	82+53.59	-37.14	717.081
TB2676_1	618	82+53.33	-37.11	717.059
TB2675	618	82+51.33	-37.14	717.042
TB2674	618	82+41.50	-37.19	716.891
TB2673	618	82+31.53	-37.14	716.684
TB2672	618	82+21.50	-37.07	716.557
TB2617_1	667	82+21.19	-37.00	716.546
TB2618	667	82+11.43	36.97	716.429
TB2619	667	82+01.41	-36.94	716.332
TB2620	667	81+91.38	-36.92	716.201
TB2621	667	81+81.51	-36.93	716.062
TB2622	667	81+71.32	-36.97	715.934
TB2623	667	81+61.70	-36.98	715.803
TB2624	667	81+51.56	-37.02	715.693
TB2625	667	81+41.60	-37.13	715.549
TB2626	667	81+31.48	-37.17	715.404
TB2627	667	81+21.62	-37.16	715.280

SOUTH END SN:086-0503 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2697	619	83+13.86	-24.84	717.324
TB2698	619	83+03.90	-24.84	717.250
TB2699	619	82+93.81	-24.86	717.207
TB2700	619	82+84.09	-24.86	717.146
TB2701	619	82+74.34	-24.82	717.067
TB2702	619	82+64.03	-24.83	716.980
TB2677_1	618	82+63.72	-24.84	716.979
TB2678	618	82+61.53	-24.83	716.958
TB2679	618	82+51.58	-24.81	716.785
TB2680	618	82+47.25	-24.80	716.699
TB2681	618	82+41.57	-24.82	716.621
TB2682_1	618	82+31.66	-24.85	716.519
TB2616	668	82+31.32	24.85	716.506
TB2615	668	82+21.23	-24.85	716.411
TB2614	668	82+11.44	-24.83	716.292
TB2613	668	82+01.45	-24.87	716.174
TB2612	668	81+91.24	-24.84	716.044
TB2611	668	81+81.38	-24.85	715.902
TB2610	668	81+71.30	-24.89	715.769
TB2609	668	81+61.54	-24.94	715.663
TB2608	668	81+51.22	-24.98	715.535
TB2607	668	81+41.64	-24.98	715.413
TB2606	668	81+31.72	-25.04	715.275

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:086-0503 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2577	619	86+02.92	-48.74	717.854
TB2578	619	86+12.74	-48.74	717.828
TB2579	619	86+22.86	-48.83	717.790
TB2580	619	86+32.89	-48.84	717.735
TB2581	619	86+42.74	-48.85	717.671
TB2582_1	619	86+53.35	-48.87	717.632
TB2536_1	618	86+53.89	-48.74	717.627
TB2537	618	86+55.92	-48.80	717.616
TB2538	618	86+65.69	-48.92	717.462
TB2539	618	86+75.83	-48.89	717.299
TB2540_1	618	86+85.54	-49.01	717.209
TB2502_2	668	86+85.65	-49.38	717.143
TB2501	668	86+95.99	-49.08	717.158
TB2500	668	87+05.72	-49.02	717.134
TB2499	668	87+15.64	-48.95	717.105
TB2498	668	87+25.68	-48.96	717.008
TB2497	668	87+35.51	-48.92	716.894
TB2496	668	87+45.70	-48.93	716.785
TB2495	668	87+55.43	-48.96	716.662
TB2494	668	87+65.24	-48.95	716.542
TB2493	668	87+75.27	-48.90	716.419
TB2492	668	87+85.24	-48.93	716.294

NORTH END SN:086-0503 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2576	619	86+13.21	-36.64	717.970
TB2575	619	86+23.24	-36.73	717.951
TB2574	619	86+33.48	-36.75	717.888
TB2573	619	86+43.30	-36.56	717.806
TB2572	619	86+53.22	-36.66	717.755
TB2571_1	619	86+63.33	-36.92	717.668
TB2545	618	86+63.63	-37.16	717.699
TB2544	618	86+65.57	-37.18	717.673
TB2543	618	86+76.14	-37.16	717.530
TB2542	618	86+85.86	-37.14	717.392
TB2541	618	86+95.52	-37.09	717.250
TB2502	667	86+95.91	-37.11	717.225
TB2482	667	87+06.18	-37.00	717.223
TB2483	667	87+16.14	-36.98	717.182
TB2484	667	87+26.07	-36.97	717.075
TB2485	667	87+36.13	-36.94	716.993
TB2486	667	87+46.09	-36.92	716.882
TB2487	667	87+55.98	-37.00	716.779
TB2488	667	87+66.16	-37.04	716.667
TB2489	667	87+75.82	-37.08	716.531
TB2490	667	87+85.64	-36.96	716.413
TB2491	667	87+95.72	-37.20	716.336

NORTH END SN:086-0503 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2565	619	86+23.28	-25.07	717.721
TB2566	619	86+33.29	-25.11	717.691
TB2567	619	86+43.03	-25.19	717.657
TB2568	619	86+52.93	-25.19	717.600
TB2569	619	86+62.87	-25.20	717.549
TB2570_1	619	86+73.16	-25.20	717.493
TB2546_1	618	86+73.56	-25.31	717.514
TB2547	618	86+75.66	-25.20	717.499
TB2548	618	86+85.63	-25.17	717.329
TB2549	618	86+95.56	-25.18	717.118
TB2550_1	618	87+05.57	-25.04	716.998
TB2480	668	87+05.94	-25.05	716.975
TB2479	668	87+15.96	-24.91	716.968
TB2478	668	87+26.07	-24.91	716.857
TB2477	668	87+35.81	-24.88	716.772
TB2476	668	87+45.63	-24.88	716.653
TB2475	668	87+55.58	-24.89	716.543
TB2474	668	87+65.76	-24.89	716.439
TB2473	668	87+75.84	-24.86	716.326
TB2472	668	87+86.23	-24.88	716.199
TB2471	668	87+95.86	-24.80	716.093
TB2470	668	88+05.60	-24.82	716.003

MODEL: bridge-16 [Sheet]
FILE NAME: c:\pw_work\pwidot\dudleybm\d1063753\72940 plansheet.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PAVEMENT ELEVATIONS - SN 086-0503
(FOR INFORMATION ONLY)

SCALE: SHEET 21 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	21

CONTRACT NO. 72940

ILLINOIS | FED. AID PROJECT

SOUTH END SN:086-0504 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2305	619	84+36.27	25.21	717.937
TB2306	619	84+23.52	25.16	717.904
TB2307	619	84+13.50	25.21	717.880
TB2308	619	84+03.20	25.21	717.850
TB2309	619	83+93.08	25.24	717.865
TB2310_1	619	83+88.09	25.29	717.840
TB2298_1	618	83+87.82	25.25	717.880
TB2290	618	83+81.58	25.18	717.807
TB2289	618	83+71.06	25.18	717.670
TB2288	618	83+61.07	25.13	717.517
TB2287	618	83+55.76	25.00	717.449
TB2212_1	668	83+55.33	24.99	717.491
TB2213	668	83+51.08	25.07	717.505
TB2214	668	83+41.52	25.08	717.459
TB2215	668	83+31.50	25.10	717.410
TB2216	668	83+21.71	25.14	717.331
TB2217	668	83+11.60	25.20	717.249
TB2218	668	83+01.70	25.16	717.168
TB2219	668	82+91.81	25.10	717.079
TB2220	668	82+81.94	25.09	717.015
TB2221	668	82+72.17	25.09	716.931
TB2222	668	82+62.50	24.99	716.880
TB2223	668	82+52.80	24.97	716.800

SOUTH END SN:086-0504 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2316	619	84+47.17	36.85	718.174
TB2315	619	84+37.38	37.13	718.120
TB2314	619	84+27.53	36.97	718.115
TB2313	619	84+17.92	36.93	718.114
TB2312	619	84+07.96	36.93	718.083
TB2311	619	83+97.78	36.84	718.008
TB2286_1	618	83+97.69	37.10	717.995
TB2285	618	83+85.71	37.01	717.918
TB2284	618	83+76.38	37.03	717.852
TB2283	618	83+65.85	37.01	717.727
TB2235	667	83+65.45	37.03	717.729
TB2234	667	83+55.04	37.03	717.703
TB2233	667	83+45.05	37.07	717.672
TB2232	667	83+35.45	37.11	717.587
TB2231	667	83+25.57	37.10	717.506
TB2230	667	83+15.80	37.12	717.427
TB2229	667	83+05.61	37.11	717.341
TB2228	667	82+95.43	37.09	717.275
TB2227	667	82+85.34	37.04	717.170
TB2226	667	82+75.74	37.05	717.098
TB2225	667	82+65.70	37.01	717.034
TB2224	667	82+50.85	37.00	716.913

SOUTH END SN:086-0504 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2317	619	84+58.15	49.12	717.984
TB2318	619	84+52.79	49.11	717.999
TB2319	619	84+44.05	49.11	717.978
TB2320	619	84+34.43	49.09	717.957
TB2321	619	84+24.38	49.09	717.944
TB2322	619	84+13.63	49.06	717.976
TB2323_1	619	84+08.01	49.05	717.930
TB2282_1	618	84+07.75	49.08	717.904
TB2281	618	84+02.06	49.07	717.891
TB2280	618	83+92.27	49.08	717.755
TB2279	618	83+81.34	49.04	717.637
TB2278	618	83+75.85	48.99	717.607
TB2236	668	83+75.41	49.00	717.590
TB2237	668	83+71.72	49.06	717.591
TB2238	668	83+61.44	49.21	717.535
TB2239	668	83+51.14	49.17	717.485
TB2240	668	83+42.15	49.13	717.409
TB2241	668	83+31.75	49.17	717.345
TB2242	668	83+21.74	49.21	717.303
TB2243	668	83+12.13	49.21	717.238
TB2244	668	83+02.16	49.20	717.154
TB2245	668	82+92.38	49.17	717.068
TB2246	668	82+81.95	49.14	717.000

KEY	
	BRIDGE
	APPROCH
	PAVEMENT

NORTH END SN:086-0504 WEST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2445	619	87+47.41	25.11	716.812
TB2446	619	87+57.26	25.15	716.748
TB2447	619	87+67.24	25.15	716.642
TB2448	619	87+77.07	25.12	716.547
TB2449	619	87+86.71	25.14	716.456
TB2450	619	87+97.43	25.13	716.325
TB2407	618	87+97.92	25.18	716.324
TB2408	618	87+99.94	25.11	716.346
TB2409	618	88+08.54	25.07	716.143
TB2410	618	88+18.62	25.06	715.930
TB2411_1	618	88+29.57	24.92	715.702
TB2378	668	88+29.77	24.83	715.709
TB2379	668	88+40.08	24.89	715.586
TB2380	668	88+50.02	24.94	715.475
TB2381	668	88+59.41	24.97	715.387
TB2382	668	88+69.97	25.01	715.243
TB2383	668	88+79.55	24.97	715.132
TB2384	668	88+89.74	24.98	714.998
TB2385	668	88+99.66	24.99	714.837
TB2386	668	89+09.56	24.98	714.666
TB2387	668	89+19.34	25.01	714.518
TB2388	668	89+29.28	25.03	714.364

NORTH END SN:086-0504 CENTERLINE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2444	667	87+56.38	36.68	716.953
TB2443	667	87+66.48	36.66	716.830
TB2442	667	87+76.70	36.75	716.731
TB2441	667	87+87.10	36.79	716.649
TB2440	667	87+96.86	37.11	716.559
TB2439_1	667	88+07.37	36.96	716.458
TB2415_1	618	88+07.76	36.90	716.441
TB2414	618	88+18.10	36.88	716.230
TB2413	618	88+28.13	36.87	715.996
TB2412	618	88+39.59	36.91	715.786
TB2377	667	88+39.92	36.92	715.744
TB2376	667	88+49.82	36.95	715.619
TB2375	667	88+60.07	37.01	715.433
TB2374	667	88+70.25	36.99	715.262
TB2373	667	88+79.96	36.98	715.046
TB2372	667	88+89.99	36.96	714.860
TB2371	667	89+00.02	36.99	714.684
TB2370	667	89+09.89	37.00	714.489
TB2369	667	89+20.17	37.01	714.307
TB2368	667	89+29.72	37.02	714.130
TB2367	667	89+39.42	37.00	713.954
TB2366	667	89+49.98	36.89	713.739

NORTH END SN:086-0504 EAST LANE EDGE				
POINT	CODE	STATION	OFFSET	ELEVATION
TB2433	619	87+66.91	49.26	716.623
TB2434	619	87+77.24	49.23	716.528
TB2435	619	87+87.28	49.20	716.440
TB2436	619	87+97.23	49.22	716.335
TB2437	619	88+07.15	49.19	716.249
TB2438	619	88+17.58	49.14	716.151
TB2416	618	88+18.11	49.24	716.130
TB2417	618	88+29.19	49.15	715.920
TB2418	618	88+38.62	49.11	715.697
TB2419_1	618	88+49.84	49.18	715.464
TB2355_1	668	88+50.14	49.19	715.447
TB2356	668	88+60.40	49.07	715.323
TB2357	668	88+70.10	49.03	715.205
TB2358	668	88+80.15	49.00	714.971
TB2359	668	88+90.19	49.01	714.739
TB2360	668	89+00.04	49.00	714.525
TB2361	668	89+10.45	49.00	714.303
TB2362	668	89+19.97	49.00	714.102
TB2363	668	89+30.26	49.00	713.899
TB2364	668	89+39.31	48.99	713.718
TB2365	668	89+50.09	48.99	713.470

MODEL: bridge-17 [Sheet]
FILE NAME: c:\pw_work\pwidot\dudleybnld\d1083753\72940 plansheet.dgn

USER NAME = Brandon.Dudley	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/24/2025	DATE -	REVISED -	

EXISTING PAVEMENT ELEVATIONS - SN 086-0504
(FOR INFORMATION ONLY)

SCALE: SHEET 22 OF 18 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D6 BRIDGE REPAIR 2025	VARIOUS	22	22

CONTRACT NO. 72940

ILLINOIS FED. AID PROJECT