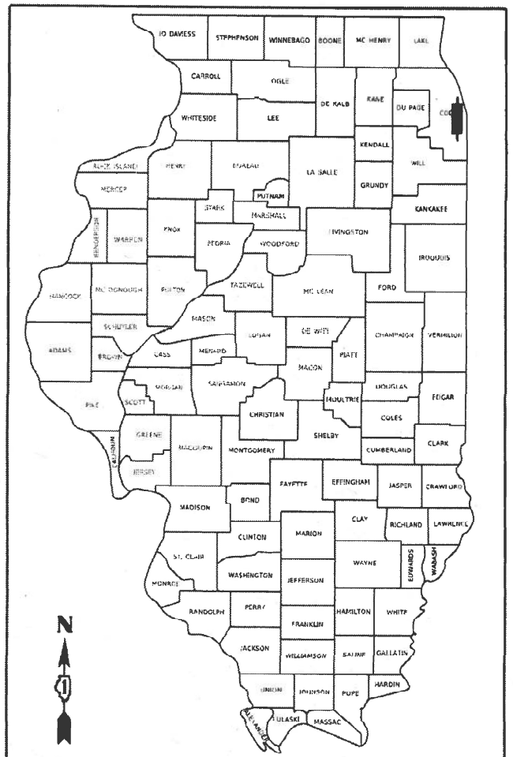
09-22-2023 LETTING ITEM 074

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	120	1
	ILLINOIS	CONTRACT NO. 62U36		

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

D–91–041–23



LOCATION OF SECTION INDICATED THUS: –

PROPOSED HIGHWAY PLANS

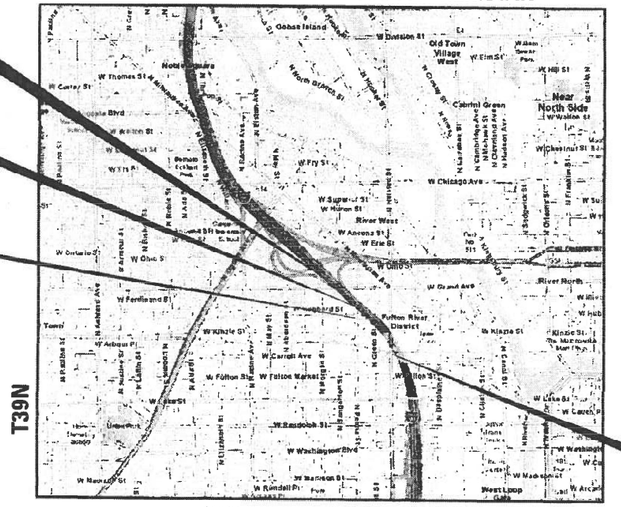
FAI ROUTE 90/94 (I-90/94) **(KENNEDY EXPWY) WB AT GRAND AVE, HUBBARD ST, GREEN ST, AND KINZIE ST TO WAYMAN ST (HUBBARD CAVE)**
SECTION FAI 94 22 BRIDGE PAINTING
FEDERAL AID PROJECT NHPP–EHG7(288)
BRIDGE PAINTING AND LIGHTING
COOK COUNTY
C–91–050–23

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION: INTERSTATE
FAI ROUTE 94: KENNEDY EXPWY
2022 ADT: 227,500 VPD
POSTED SPEED LIMIT: 55 MPH

IMPROVEMENT LOCATED IN:
CITY OF CHICAGO

RANGE 14E – 3RD PRINCIPAL MERIDIAN



T39N

LOCATION MAP (NOT TO SCALE)

GROSS LENGTH = 2,112 FT. = 0.40 MILE
NET LENGTH = 2,112 FT. = 0.40 MILE

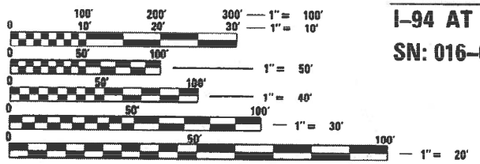
CHICAGO TOWNSHIP

IMPROVEMENT LOCATION 1:
I–94 AT GRAND AVE
SN: 016–2048

IMPROVEMENT LOCATION 2:
I–94 AT HUBBARD ST
SN: 016–2050

IMPROVEMENT LOCATION 3:
I–94 AT GREEN ST AND RR
SN: 016–0136

IMPROVEMENT LOCATION 4:
KINZIE ST TO WAYMAN ST (HUBBARD CAVE)
SN: 016–2020



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.

C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1–312–744–7000



DATE SIGNED: 6-21-23
EXP. DATE: 11-30-23

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 22 2023
REGIONAL ENGINEER
August 18, 2023
ENGINEER OF DESIGN AND ENVIRONMENT
August 18, 2023
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER MR. RODRIGO LEDEZMA, P.E. (847) 705–4580
PROJECT MANAGER MR. J. ALAIN MIDY, P.E., (847) 221–3056

CONTRACT NO. 62U36

Accurate GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-1105
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053

REV-SEP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
3	LOCATION MAP
4-6	SUMMARY OF QUANTITIES
7	DETOUR PLAN - OHIO ST WB I-90 RAMP
8	DETOUR PLAN - RANDOLPH ST WB I-90 RAMP
9	SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES
10	SUGGESTED MAINTENANCE OF TRAFFIC SEQUENCE OF CONSTRUCTION
11-12	SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
13	SUGGESTED MAINTENANCE OF TRAFFIC ADVANCE WARNING SIGNAGE
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34-38	EXISTING BRIDGE PLANS (SN 016-2048) (FOR INFORMATION ONLY)
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40-44	EXISTING BRIDGE PLANS (SN 016-0136) (FOR INFORMATION ONLY)
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79-114	EXISTING LIGHTING PLANS (FOR INFORMATION ONLY)
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116	TC-09 FREEWAY SINGLE AND MULTI-LANE WEAVE
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117	TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
118	TC-18 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
119	TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

STATE OF ILLINOIS HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE FREEWAY/EXPRESSWAY, WITH BARRIER
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

COMMITMENTS

NONE.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS, THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2023, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. NOTICE 48 HOURS IN ADVANCE IS REQUIRED.

3. IDOT ELECTRICAL FACILITIES INCLUDING ROADWAY LIGHTING, FIBER OPTIC, ITS EQUIPMENT, TRAFFIC SIGNAL, AND PUMP STATION FACILITIES ARE LOCATED BY THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR. CONTACT MEADE ELECTRIC COMPANY AT 773-287-7672. NOTICE 48 HOURS IN ADVANCE IS REQUIRED.

4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.

5. THE CONTRACTOR MUST CONTACT THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS PRIOR TO THE INSTALLATION OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

7. PLAN DIMENSIONS AND DETAILS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND GAIN APPROVAL FOR NECESSARY ADJUSTMENTS PRIOR TO ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION IF THEY RESULT IN A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR QUANTITIES ACTUALLY FURNISHED, BASED ON THE BID UNIT PRICE FOR THAT WORK.

8. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED. ONLY THE AFFECTED LIGHTING CIRCUITS BEING WORKED ON SHALL BE TURNED OFF. LIGHTING OVER ACTIVE LANES OF TRAFFIC SHALL REMAIN IN OPERATION.

10. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT ONE. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

11. THE CONTRACTOR SHALL CONTACT THE IDOT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR DISTRICT ONE CARLOS MUNOZ AT CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

GENERAL NOTES CONTINUED

12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

13. WHEN ARTIFICAL LIGTHING IS UTILIZED IN NIGTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.

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

15. STATIONS AND OFFSETS ARE APPROXIMATE.

GENERAL PAINT NOTES

LOCATION 1: SN 016-2048 (OVER WB I-90/94)
CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE IN THE SPECIALPROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".

ALL BEAMS, BEARINGS, AND OTHER STRUCTURE STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING - SSPC-SP 10. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE FASCIA BEAMS AND BOTTOM FLANGES SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS AND DECK DRAINS) ATTACHEDTO OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.

A MINIMUM OF FOUR (4) AIR MONITORS AT EACH LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT OF LEAD PAINT CLEANING RESIDUES".

SSPC QP1 AND SSPC QP2 CERTIFICATIONS ARE REQUIRED FOR THIS CONTRACT.

LOCATION 2: SN 016-2050 (OVER WB I-90/94)
CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".

ALL BEAMS, BEARINGS, AND OTHER STRUCTURE STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING - SSPC-SP 10. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR FACES AND BOTTOM FLANGES OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS AND DECK DRAINS) ATTACHED TO OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.

A MINIMUM OF FOUR (4) AIR MONITORS AT EACH LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT OF LEAD PAINT CLEANING RESIDUES".

SSPC QP1 AND SSPC QP2 CERTIFICATIONS ARE REQUIRED FOR THIS CONTRACT.

LOCATION 3: SN 016-0136 (OVER WB I-90/94)
CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".

ALL BEAMS, BEARINGS, AND OTHER STRUCTURE STEEL SHALL BE CLEANED PER NEAR WHITEBLAST CLEANING - SSPC-SP 10. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR FACES AND BOTTOM FLANGES OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS AND DECK DRAINS) ATTACHED TO OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.

A MINIMUM OF FOUR (4) AIR MONITORS AT EACH LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT OF LEAD PAINT CLEANING RESIDUES".

SSPC QP1 AND SSPC QP2 CERTIFICATIONS ARE REQUIRED FOR THIS CONTRACT.

LOCATION 5: SN 016-2020 (OVER WB I-90/94)
CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE
IN THE SPECIAL PROVISIONS FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".

ALL BEAMS, BEARINGS, AND OTHER STRUCTURE STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING - SSPC-SP 10. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1 -OZ/E/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR FACES AND BOTTOM FLANGES OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS AND DECK DRAINS) ATTACHED TO OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.

A MINIMUM OF FOUR (4) AIR MONITORS AT EACH LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT OF LEAD PAINT CLEANING RESIDUES".

SSPC QP1 AND SSPC QP2 CERTIFICATIONS ARE REQUIRED FOR THIS CONTRACT.

LOCATION 4: RAILROAD BRIDGE OVER GREEN ST.

THE FASCIA BEAMS AND BOTTOM FLANGES FOR THE RAILROAD BRIDGE ADJACENT TO GREEN ST SHALL BE THE ONLY STEEL CLEANED AND PAINTED FOLLOWING THE PROCEDURES LISTED ABOVE. THE COLOR OF THE FINAL FINISH COAT FOR THE FASCIA BEAMS AND BOTTOM FLANGES SHALL BE REDDISH BROWN, MUNSELL NO 2.5YR 3/4.

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Accurate GROUP, INC.

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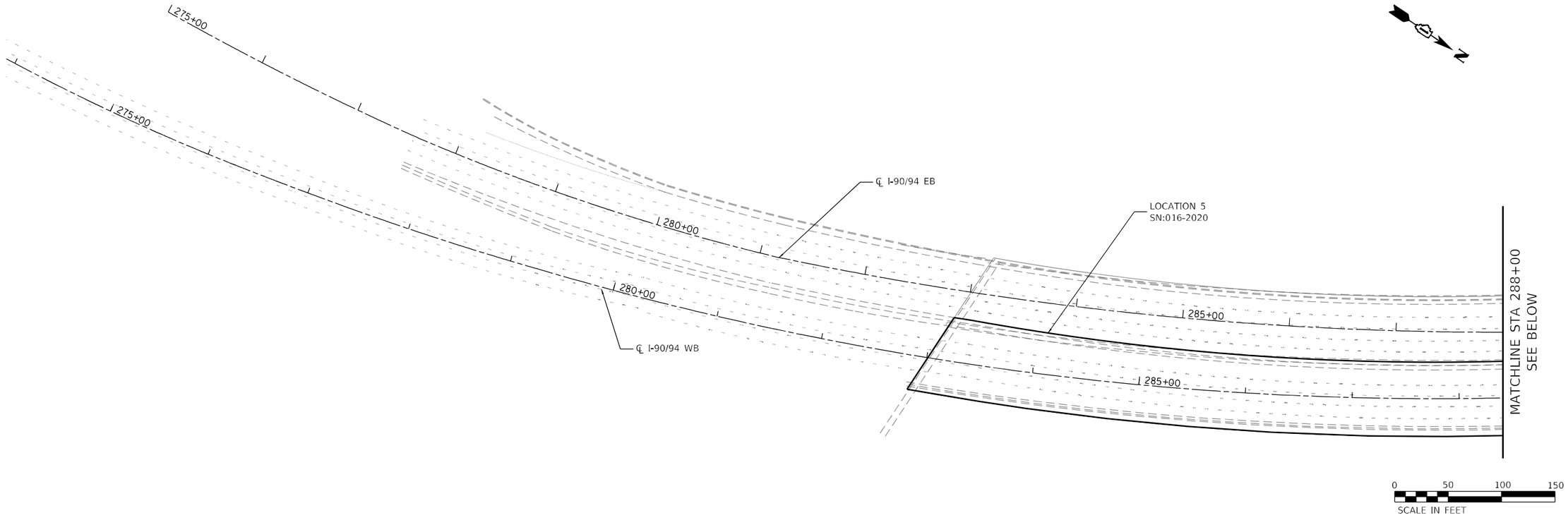
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 8/17/2023	DATE - 06/30/2023	REVISED -	

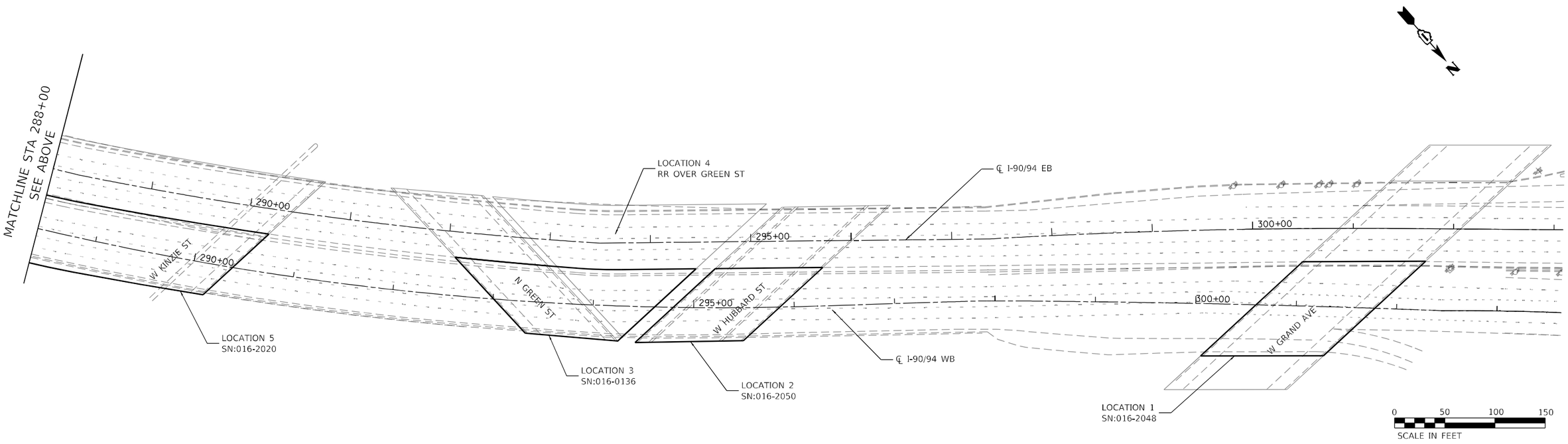
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE HIGHWAY STANDARDS, AND GENERAL NOTES
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	2
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	





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PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	3
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

				CONSTRUCTION CODE						
				STATE 10% FED 90%						
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0047 URBAN	BRIDGE 0047 S.N.016-2048	BRIDGE 0047 S.N.016-2050	BRIDGE 0047 S.N.016-0136	BRIDGE 0047 RR over Green St	BRIDGE 0047 S.N.016-2020	HIGHWAY LIGHTING 0021 URBAN
67100100	MOBILIZATION	L SUM	1	1						
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1						
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28						
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1						
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	13018	13018						
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	4774	4774						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	187.5	187.5						
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	78	78						
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1						
* 78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4"	FOOT	117	117						
* 78004625	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 5"	FOOT	122	122						
* 78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	929	929						
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	75	75						
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	19	19						
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5078	5078						
* 82110022	LUMINAIRE, LED, UNDERPASS, WALLMOUNT, OUTPUT DESIGNATION E	EACH	52							52

* SPECIALTY ITEM

MODEL: SOO 1
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Accurate GROUP, INC.

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PLOT SCALE = 100.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	4
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STATE 10% FED 90% ROADWAY 0047 URBAN	BRIDGE 0047 S.N.016-2048	BRIDGE 0047 S.N.016-2050	BRIDGE 0047 S.N.016-0136	BRIDGE 0047 RR over Green St	BRIDGE 0047 S.N.016-2020	HIGHWAY LIGHTING 0021 URBAN
	X5067501	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 1	L SUM	1		1					
	X5067502	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 2	L SUM	1			1				
	X5067503	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 3	L SUM	1				1			
	X5067504	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 4	L SUM	1					1		
	X5067505	BRIDGE CLEANING AND PAINTING WARRANTY NUMBER 5	L SUM	1						1	
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	17	17						
*	X7010421	MOVABLE TRAFFIC BARRIER (SPECIAL)	L SUM	1	1						
	X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1						
	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	354	354						
*	X7820008	BARRIER WALL REFLECTORS (SPECIAL)	EACH	250	250						
	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	92	92						
*	X8211025	LUMINAIRE, LED, TUNNEL, SUSPENDED, OUTPUT DESIGNATION H	EACH	574							574
	X8420102	REMOVAL OF LUMINAIRE, SALVAGE, UNDERPASS	EACH	10							10
	X8420103	REMOVAL OF LUMINAIRE, NO SALVAGE, UNDERPASS	EACH	42							42
	X8420107	REMOVAL OF LUMINAIRE, NO SALVAGE, TUNNEL	EACH	574							574
	Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1		1					
	Z0007102	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 2	L SUM	1			1				

* SPECIALTY ITEM

MODEL: SOQ 2
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Accurate GROUP, INC.

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	DRAWN - JMT	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 3 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	5

CONTRACT NO. 62U36

ILLINOIS | FED. AID PROJECT NHPP-EHG7(288)

				CONSTRUCTION CODE						
				STATE 10% FED 90%						
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0047 URBAN	BRIDGE 0047 S.N.016-2048	BRIDGE 0047 S.N.016-2050	BRIDGE 0047 S.N.016-0136	BRIDGE 0047 RR over Green St	BRIDGE 0047 S.N.016-2020	HIGHWAY LIGHTING 0021 URBAN
Z0007103	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 3	L SUM	1				1			
Z0007104	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 4	L SUM	1					1		
Z0007105	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 5	L SUM	1						1	
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1		1					
Z0010502	CLEANING AND PAINTING STEEL BRIDGE NO. 2	L SUM	1			1				
Z0010503	CLEANING AND PAINTING STEEL BRIDGE NO. 3	L SUM	1				1			
Z0010504	CLEANING AND PAINTING STEEL BRIDGE NO. 4	L SUM	1					1		
Z0010505	CLEANING AND PAINTING STEEL BRIDGE NO. 5	L SUM	1						1	
Z0016702	DETOUR SIGNING	L SUM	1	1						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	278	278						
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18							18
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
* Z0049100	RAISED PAVEMENT MARKER REFLECTOR REPLACEMENT	EACH	92	92						
Ø Z0076600	TRAINEES	HOURS	1500	1500						
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	1500	1500						

* SPECIALTY ITEM

Ø 0042

MODEL: SOQ 3
FILE NAME: Q:\Engineering\LiveProjects\20005 IDOT DURWO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36D162U36-slt-SOQ.dgn

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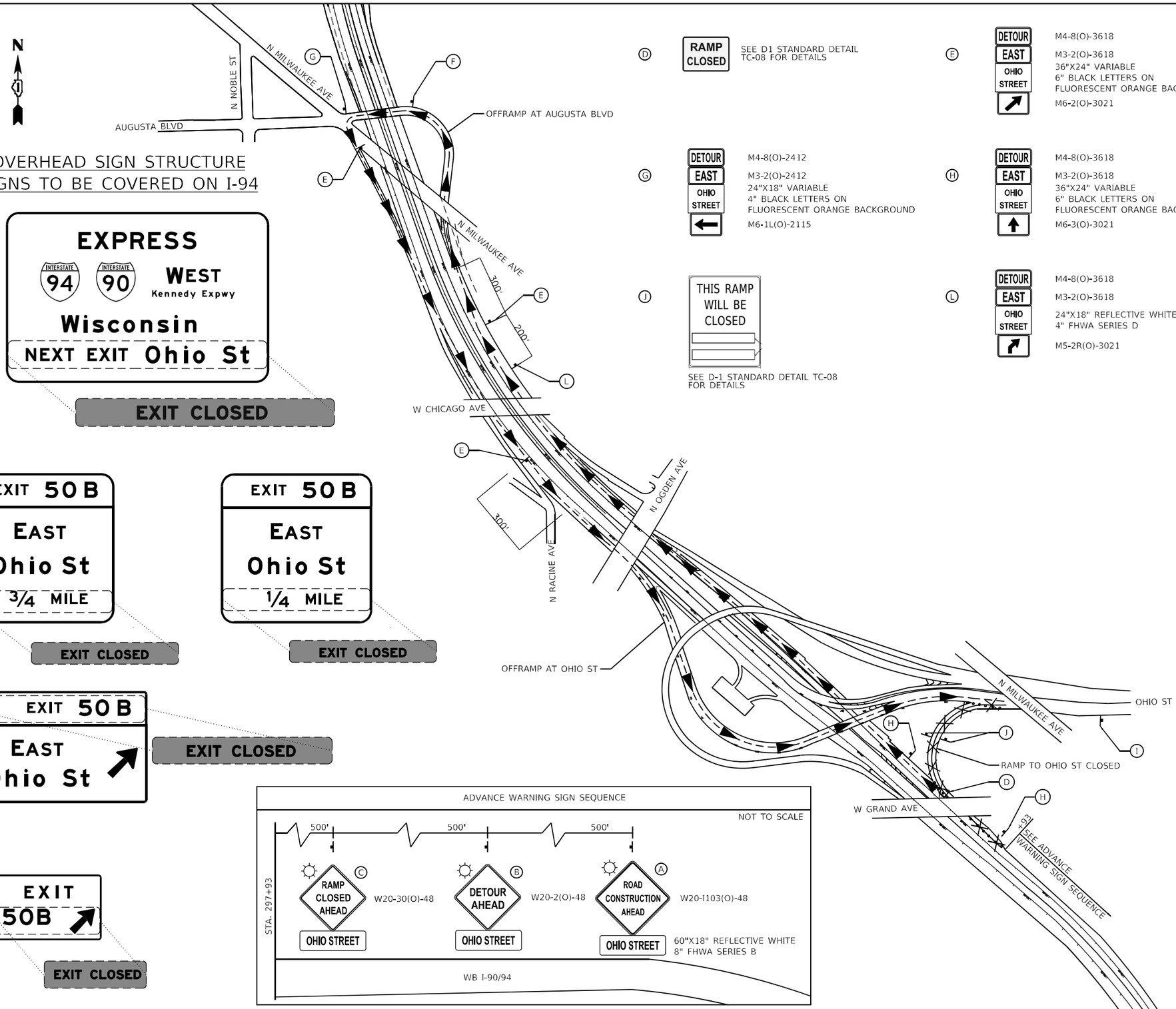
USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	6
		CONTRACT NO. 62U36		
		ILLINOIS FED. AID PROJECT NHPP-EHG7(288)		



OVERHEAD SIGN STRUCTURE
SIGNS TO BE COVERED ON I-94

D — RAMP CLOSED — SEE D1 STANDARD DETAIL TC-08 FOR DETAILS

E — DETOUR / EAST / OHIO STREET — M4-8(O)-3618; M3-2(O)-3618; 36"X24" VARIABLE; 6" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND; M6-2(O)-3021

F — DETOUR / EAST / OHIO STREET — M4-8(O)-2412; M3-2(O)-2412; 24"X18" VARIABLE; 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND; M5-1L(O)-2115

G — DETOUR / EAST / OHIO STREET — M4-8(O)-2412; M3-2(O)-2412; 24"X18" VARIABLE; 4" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND; M6-1L(O)-2115

H — DETOUR / EAST / OHIO STREET — M4-8(O)-3618; M3-2(O)-3618; 36"X24" VARIABLE; 6" BLACK LETTERS ON FLUORESCENT ORANGE BACKGROUND; M6-3(O)-3021

I — END DETOUR — M4-8a(O)-2418

J — THIS RAMP WILL BE CLOSED — SEE D-1 STANDARD DETAIL TC-08 FOR DETAILS

L — DETOUR / EAST / OHIO STREET — M4-8(O)-3618; M3-2(O)-3618; 24"X18" REFLECTIVE WHITE; 4" FHWA SERIES D; M5-2R(O)-3021

NOTES:

1. THE OHIO ST. EXIT SHALL BE CLOSED TO TRAFFIC IN ACCORDANCE WITH DISTRICT 1 DETAIL TC-08.
2. THE DETOUR IS INCLUDED IN THE CONTRACT UNIT PRICE LUMP SUM FOR "DETOUR SIGNING".
3. THE RAMP TO REMAIN CLOSE FOR THE 7 DAY DURATION OF STAGE 2 CONSTRUCTION AND NIGHTTIME CONSTRUCTION.
4. WHILE THIS DETOUR IS IN PLACE, CD LANES CANNOT BE CLOSED.
5. OHIO ST EXIT SHALL NOT BE CLOSED FOR MORE THAN 7 CONSECUTIVE NIGHTS.PLEASE SEE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC"
6. OHIO ST EXIT SHALL NOT BE CLOSED FOR DURING NON-STAGE OR LONG TERM NIGHT CLOSURES

LEGEND

- PROPOSED DETOUR ROUTE
- DIRECTION OF TRAVEL
- DRUMS OR TYPE II BARRICADES SPACED AT 25' CENTERS
- PROPOSED RAMP CLOSURE
- SIGN/SIGN ASSEMBLY ON POST
- TYPE III BARRICADE WITH FLASHERS

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Detour-Ohio Exit.dgn

Accurate GROUP, INC.	USER NAME = jschumann	DESIGNED - JMT	REVISED -
		DRAWN - JMT	REVISED -
	PLOT SCALE = 460.0000 ' / in.	CHECKED - AB	REVISED -
	PLOT DATE = 8/11/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN – OHIO ST WB I-90 RAMP
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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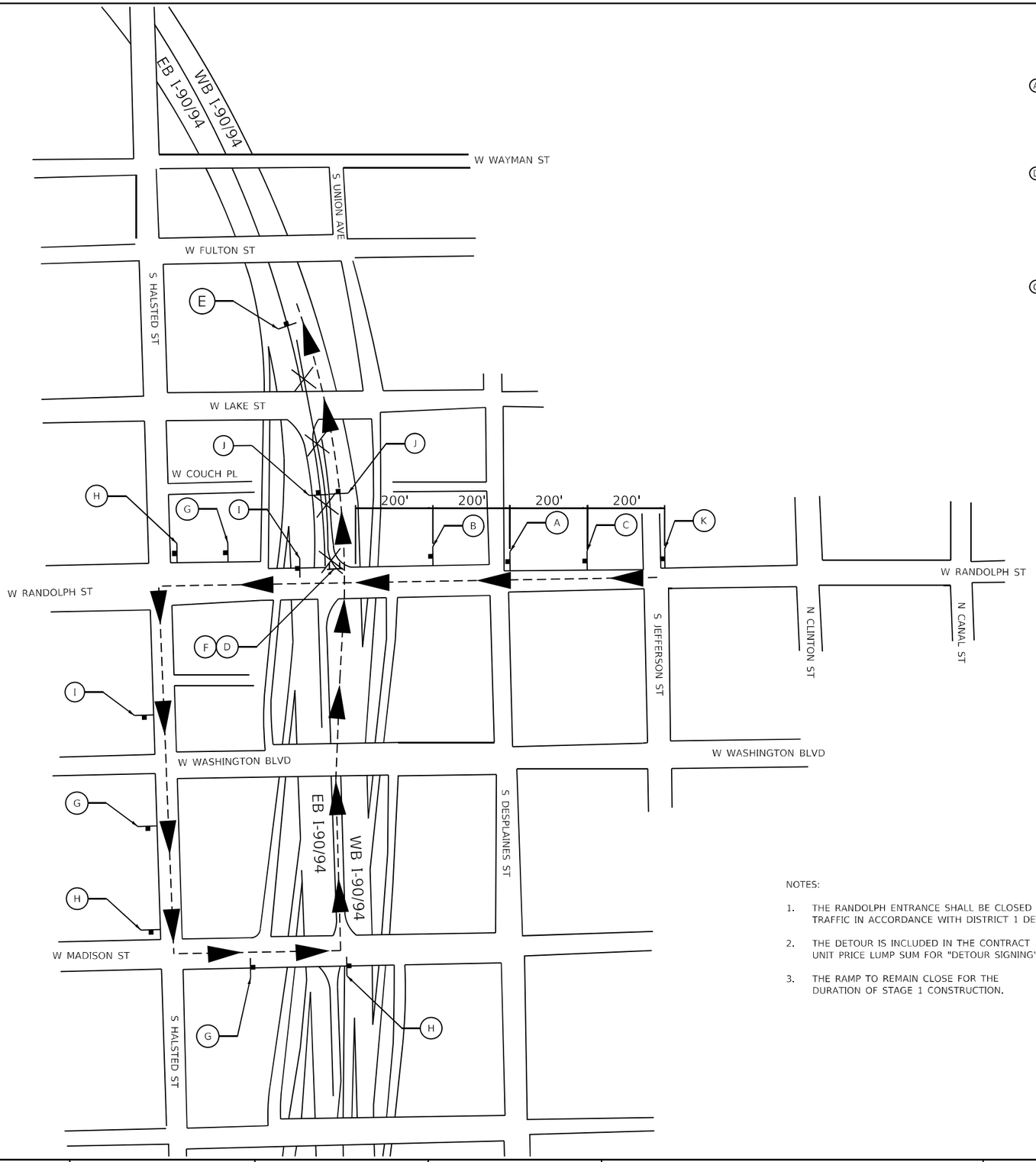
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



Ⓐ RAMP CLOSED AHEAD — W20-30(O)-48

Ⓑ DETOUR AHEAD — W20-2(O)-48

Ⓒ ROAD CONSTRUCTION AHEAD — W20-I103(O)-36

Ⓓ RAMP CLOSED — 48"X36" REFLECTIVE WHITE 8" FHWA SERIES C

Ⓔ END DETOUR — M4-8a-2418

DO NOT ENTER — R5-1-4848

Ⓖ
- DETOUR — M4-8(O)-2412
- TO — M4-5(BL)-2412
- WEST — M3-4(BL)-2412
- INTERSTATE 90 — M1-1-24
- INTERSTATE 94 — M1-1-24
- M5-1L(O)-2115

Ⓗ
- DETOUR — M4-8(O)-2412
- TO — M4-5(BL)-2412
- WEST — M3-4(BL)-2412
- INTERSTATE 90 — M1-1-24
- INTERSTATE 94 — M1-1-24
- M6-1L(O)-2115

Ⓘ
- DETOUR — M4-8(O)-2412
- TO — M4-5(BL)-2412
- WEST — M3-4(BL)-2412
- INTERSTATE 90 — M1-1-24
- INTERSTATE 94 — M1-1-24
- M6-3(O)-2115

Ⓙ THIS RAMP WILL BE CLOSED

SEE D-1 STANDARD DETAIL TC-08 FOR DETAILS

Ⓚ WB RAMP TO 90 94 CLOSED FOLLOW DETOUR

60"X72" REFLECTIVE ORANGE 6" FHWA SERIES E(M)

NOTES:

1. THE RANDOLPH ENTRANCE SHALL BE CLOSED TO TRAFFIC IN ACCORDANCE WITH DISTRICT 1 DETAIL TC-08.
2. THE DETOUR IS INCLUDED IN THE CONTRACT UNIT PRICE LUMP SUM FOR "DETOUR SIGNING".
3. THE RAMP TO REMAIN CLOSE FOR THE DURATION OF STAGE 1 CONSTRUCTION.

LEGEND

- PROPOSED DETOUR ROUTE
- DIRECTION OF TRAVEL
- DRUMS OR TYPE II BARRICADES SPACED AT 25' CENTERS
- PROPOSED RAMP CLOSURE
- SIGN/SIGN ASSEMBLY ON POST
- TYPE III BARRICADE WITH FLASHERS

MODEL: Default
FILE NAME: c:\Engineering\Live\Projects\20009_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Detour-I-90+94 On Ramp from Randolph St.sign

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USER NAME = jschuemann	DESIGNED - JP	REVISED -
	DRAWN - JP	REVISED -
PLOT SCALE = 300.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 8/11/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN – RANDOLPH ST WB I–90 RAMP
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	8
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

SUGGESTED TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

1. THE TRAFFIC CONTROL DEPICTED HEREIN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS SHOWN ON THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS, OR SPECIAL PROVISIONS.

2. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.

3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. NO CHANGES TO THE TRAFFIC CONTROL MAY BE MADE WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL 48 HOURS IN ADVANCE.

4. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

5. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF STAGE CHANGES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO, LANE CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATIONS.

6. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE COMMENCEMENT OF STAGE 1 CONSTRUCTION, THE CONTRACTOR SHALL PLACE A MINIMUM OF ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT THE LOCATION DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING RAMP CLOSURE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.

7. A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE COMMENCEMENT OF STAGE 2 CONSTRUCTION, THE CONTRACTOR SHALL PLACE A MINIMUM OF ONE (1) PORTABLE CHANGEABLE MESSAGE SIGN AT THE LOCATION(S) DESIGNATED BY THE ENGINEER TO INFORM MOTORISTS OF THE UPCOMING CONSTRUCTION/STAGE CHANGE. THE MESSAGE SHALL BE APPROVED BY THE ENGINEER. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY FOR CHANGEABLE MESSAGE SIGN.

8. THE CONTRACTOR SHALL MAINTAIN FOUR (4) WESTBOUND THROUGH LANES OF TRAFFIC DURING DAYTIME HOURS AND TWO (2) WESTBOUND THROUGH LANES DURING NIGHTTIME HOURS UTILIZING THE MOVABLE TRAFFIC BARRIER (SPECIAL), ALONG I-90/94 WESTBOUND.

9. THE WORK ZONE SPEED LIMIT SHALL BE 45 MPH.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS, AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN, AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.

11. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. PANELS AFFIXED TO OVERHEAD GUIDE SIGNS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER WILL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

12. THE CONTRACTOR SHALL AFFIX A W20-I103(O)-48 ("ROAD CONSTRUCTION AHEAD") SIGN TO ANY OVERHEAD GUIDE SIGN INDICATING WESTBOUND INTERSTATE 90/94 IN ADVANCE OF THE PROJECT AREA WITHIN 3 MILES OF THE PROJECT LIMITS. THE SIGN SHALL BE MOUNTED SUCH THAT THE ORIGINAL MESSAGE IS NOT OBSCURED.

13. ALL TRAFFIC CONTROL DEVICES SHALL BE IMMEDIATELY REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, A 3"X6" DELINEATOR SHALL BE INSTALLED ON THE POST. THE COST OF THE DELINEATOR IS INCLUDED IN THE LUMP SUM BID PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

14. FURNISHING, INSTALLING, AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. PLACEMENT SHALL BE AS INDICATED BY THE PLANS. TEMPORARY CONCRETE BARRIER SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS WHERE A 37-INCH CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL.

15. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL SIGNS AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED. IF THEY WERE REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION, THE COST TO REPAIR ANY DAMAGES WILL BE BORNE BY THE CONTRACTOR AND IS NOT THE RESPONSIBILITY OF THE DEPARTMENT.

16. THE APPROVAL OF THE ENGINEER SHALL BE REQUIRED FOR ALL THE TEMPORARY CONCRETE BARRIER WALL OPENINGS NOT SHOWN ON THE PLANS. THE APPROACH END OF TEMPORARY TRAFFIC BARRIER SHALL BE PROTECTED WITH AN NCHRP 350 APPROVED END TREATMENT. SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON I-90/94 SHALL REQUIRE ADHERENCE TO DISTRICT 1 DETAIL TC-18. THE WORK REQUIRED TO PROVIDE ADDITIONAL TEMPORARY TRAFFIC BARRIER OPENINGS FOR CONTRACTOR'S ACCESS TO WORK AREAS WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT LUMPSUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

17. ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE CONTRACTOR SHALL BE RESTORED. THE COST TO REPLACE OR RESTORE ANY DAMAGE WILL BE BORNE BY THE CONTRACTOR AND IS NOT THE RESPONSIBILITY OF THE DEPARTMENT.

18. ALLOWABLE HOURS FOR LANE CLOSURES CAN BE FOUND IN THE "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC" SPECIAL PROVISION.

19. DETAILS REGARDING "MOVABLE TRAFFIC BARRIER (SPECIAL)", SHALL BE FOUND IN THE PLAN & SPECIAL PROVISIONS.

20. CONTRACTOR SHALL COORDINATE MOT LAYOUT AND SEQUENCE WITH CONTRACT NO. 62K73.

21. TYPE III BARRICADES AND RAMP CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, ACCORDING TO HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.

22. ALL CONSTRUCTION WARNING SIGNS SHALL BE A MINIMUM OF 48" X 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLOURESCENT ORANGE REFLECTORIZED BACKGROUND.

SUGGESTED TRAFFIC CONTROL AND PROTECTION GENERAL NOTES CONTINUED

23. ALL TYPE III BARRICADES UTILIZED FOR RAMP CLOSURES SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS.

24. ALL TYPE II/III BARRICADES, DRUMS, AND VERTICAL PANELS SHALL HAVE MONO-DIRETIONAL OR BI-DIRECTIONAL STEADY BURNING LIGHTS AS PER CURRENT IDOT STANDARDS.

25. EXACT LOCATIONS OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

26. PRIOR TO START OF CONSTRUCTION ACTIVITIES, ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE.

27. COOPERATION BETWEEN CONTRACTS WILL BE REQUIRED. THE CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL WITH OTHER ADJACENT CONTRACTS WHICH MAY BE UNDER CONSTRUCTION DURING THE DURATION OF THE PROJECT. NO ADDITIONAL COMPENSATION IS ALLOWED.

28. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON ALL STREETS EXCEPT WHERE NOTED ON THE PLANS AND PROHIBIT PARKING WITHIN FIFTY (50) FEET OF THE CONSTRUCTION AREA AT ALL TIMES. NOTIFY CDOT AND OEMC AT LEAST 72 HOURS BEFORE COMMENCING CONSTRUCTION.

29. THE CONTRACTOR SHALL COORDINATE WORK WITH PRIVATE UTILITY COMPANIES AND THEIR CONTRACTORS FOR ADJUSTMENTS, SUPPORTS, AND RELOCATION. UTILITY WORK WILL GENERALLY BE CONDUCTED PRIOR TO ROADWAY WORK, BUT CERTAIN ITEMS MAY NEED TO PROCEED IN CONCERT WITH CONSTRUCTION OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT AFFECTED UTILITIES AND COORDINATE WORK WITHIN THE CONSTRUCTION SCHEDULE. NO ADDITIONAL COMPENSATION IS ALLOWED.

30. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR ONE PLACEMENT AND ONE REPLACEMENT HAVE BEEN PROVIDED FOR THIS CONTRACT. ALL MARKINGS THAT REQUIRE REPLACEMENT AFTER THE FIRST REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT THEIR OWN EXPENSE.

31. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THE WORK SHALL BE INCLUDED IN THE COST FOR DETOUR SIGNING FOR THE RAMP CLOSURE SIGNS ALONG THE EXPRESSWAY AND LOCAL STREETS. ALL THE WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) FOR ALL SIGNS AND TRAFFIC CONTROL DEVICES FOR THE PAINTING AND LIGHTING WORK.

32. COST TO MOVE THE BARRELS TO SWITCH BETWEEN "A" STAGES LANE CLOSURES AND "B" STAGES LANE CLOSURES SHALL BE INCLUDED IN THE COST OF MOBILIZATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

33. WHEN CLOSING THE RIGHT LANES DURING STAGE IIB, THE ENTRANCE RAMP FROM MADISON STREET SHALL BE CLOSED AT NO COST TO THE DEPARTMENT.

34. CLOSURE OF ENTRANCE RAMPS FROM I-290 TO WESTBOUND I-90/94 SHALL BE ALLOWED AS DIRECTED BY ENGINEER.

35. DURING STAGE II, "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED ON OVERHEAD SIGNS ALONG I-290 FOR EXIT TO WESTBOUND I-90/94 WISCONSIN EXIT. THIS PLACEMENT SHALL BEGIN AT THE RACINE STREET CROSSING. ADDITIONAL ADVANCE WARNING MAY BE PLACED AS DIRECTED BY THE ENGINEER.

36. ALL TEMPORARY TRAFFIC CONTROL FOR NIGHTTIME LANE CLOSURES SHALL COMPLY WITH DISTRICT AND STATE STANDARDS. ANY NIGHTTIME LANE CLOSURES PLANS FOR SUGGESTED TRAFFIC CONTROL ARE ONLY SUGGESTED. PLEASE REFER THE KEEPING THE EXPRESSWAY OPEN TO TRAFFIC (KEOTT) FOR ALLOWABLE HOURS AND MINIMUM REQUIREMENTS FOR RAMP CLOSURES AND SET UPS FOR CLOSING LANES FROM THE LEFT AND FROM THE RIGHT ON NB 90/94.

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PLOT SCALE = 2.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	9
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

SUGGESTED STAGING SEQUENCE

THE FOLLOWING STAGING SEQUENCE IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER. FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE TRAFFIC CONTROL AND PROTECTION PLANS. THE IMPROVEMENTS WILL BE CONSTRUCTED USING SHORT TERM AND LONG TERM SHOULDER AND LANE CLOSURES, PER DISTRICT ONE STANDARD DETAILS TC-08, TC-09, TC-17, TC-18, TC-21 AND STATE HIGHWAY STANDARDS 701400, 701401, 701402, 701428, 701446, 701501, 701901, AND 704001.

PRE-STAGE STAGE 1

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS ACCORDING TO HIGHWAY STANDARD 701400 AND AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL USE HIGHWAY STANDARD 701402 AND 701446 FOR LANE CLOSURES AND DIRECTIVE OF THE ENGINEER.

STAGE 1

1. UTILIZE IDOT HIGHWAY STANDARD 701428 TO SET UP TRAFFIC CONTROL DEVICES DESCRIBED IN THE FOLLOWING STEPS, AND AS SHOWN IN THE PLANS.
2. DURING THE DAYTIME CLOSURES, FOUR (4) LANES OF TRAFFIC WILL BE MAINTAINED. LANE 1 WILL BE PERMANENTLY CLOSED FOR STAGE 1.
3. THE CONTRACTOR WILL DEPLOY THE MOVABLE TRAFFIC BARRIER (SPECIAL) AND RELOCATE TRAFFIC CONTROL DEVICES, AS SHOWN IN THE PLANS, NO EARLIER THAN THE TIMES SPECIFIED IN THE "KEEPING EXPRESSWAYS OPEN TO TRAFFIC" SPECIAL PROVISION TO CLOSE LANES 2 AND 3 FOR NIGHTTIME CLOSURES. THE MOVABLE TRAFFIC BARRIER (SPECIAL) WILL USE TWO (2) TRANSITIONS TO ACHIEVE THIS CLOSURE. DURING NIGHTTIME CLOSURES, TWO (2) LANES OF TRAFFIC WILL BE MAINTAINED.
4. THE CONTRACTOR WILL RECALL THE MOVABLE TRAFFIC BARRIER (SPECIAL) AND RELOCATE TRAFFIC CONTROL DEVICES, AS SHOWN IN THE PLANS, AND COMPLETE THE OPENING OF TWO (2) LANES NO LATER THAN THE TIMES SPECIFIED IN THE "KEEPING EXPRESSWAYS OPEN TO TRAFFIC" SPECIAL PROVISIONS FOR DAYTIME LANE CLOSURES. THE MOVABLE TRAFFIC BARRIER (SPECIAL) WILL USE TWO (2) TRANSITIONS TO OPEN LANES 2 AND 3.

PRE-STAGE STAGE 2

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS ACCORDING TO HIGHWAY STANDARD 701400 AND AS DIRECTED BY THE ENGINEER.
2. CONTRACTOR SHALL USE HIGHWAY STANDARD 701402 AND 701446 FOR LANE CLOSURES AND DIRECTIVE OF THE ENGINEER.

STAGE 2

1. UTILIZE IDOT HIGHWAY STANDARD 701428 TO SET UP TRAFFIC CONTROL DEVICES DESCRIBED IN THE FOLLOWING STEPS, AND AS SHOWN IN THE PLANS.
2. DURING THE DAYTIME CLOSURES, FOUR (4) LANES OF TRAFFIC WILL BE MAINTAINED. LANE 5 WILL BE PERMANENTLY CLOSED DURING STAGE 2.
3. THE CONTRACTOR WILL DEPLOY THE MOVABLE TRAFFIC BARRIER (SPECIAL) AND RELOCATE TRAFFIC CONTROL DEVICES, AS SHOWN IN THE PLANS, NO EARLIER THAN THE TIMES SPECIFIED IN THE "KEEPING EXPRESSWAYS OPEN TO TRAFFIC" SPECIAL PROVISION TO CLOSE LANES 3 AND 4 FOR NIGHTTIME CLOSURES. THE MOVABLE TRAFFIC BARRIER (SPECIAL) WILL USE TWO (2) TRANSITIONS TO ACHIEVE THIS CLOSURE. DURING NIGHTTIME CLOSURES, TWO (2) LANES OF TRAFFIC WILL BE MAINTAINED.
4. THE CONTRACTOR WILL RECALL THE MOVABLE TRAFFIC BARRIER (SPECIAL) AND RELOCATE TRAFFIC CONTROL DEVICES, AS SHOWN IN THE PLANS, AND COMPLETE THE OPENING OF TWO (2) LANES NO LATER THAN THE TIMES SPECIFIED IN THE "KEEPING EXPRESSWAYS OPEN TO TRAFFIC" SPECIAL PROVISIONS FOR DAYTIME LANE CLOSURES. THE MOVABLE TRAFFIC BARRIER (SPECIAL) WILL USE TWO (2) TRANSITIONS TO OPEN LANES 3 AND 4.

NOTE

WHEN STAGING IS NEEDED ON ARTERIAL ROADWAYS DUE TO BRIDGE PAINTING OPERATIONS, UTILIZE IDOT HIGHWAY STANDARD 701501

MODEL: Default
FILE NAME: Q:\Engineering\Active Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-MOT Seq.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
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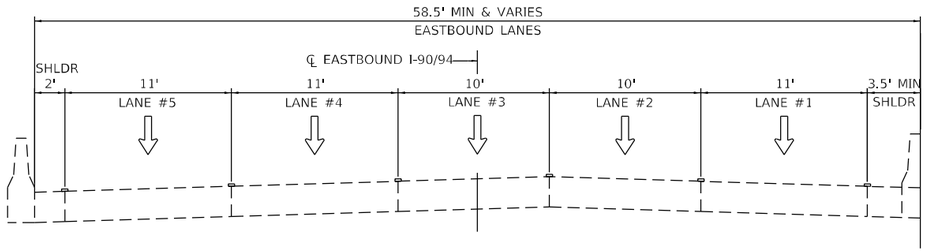
PLOT SCALE = 2.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

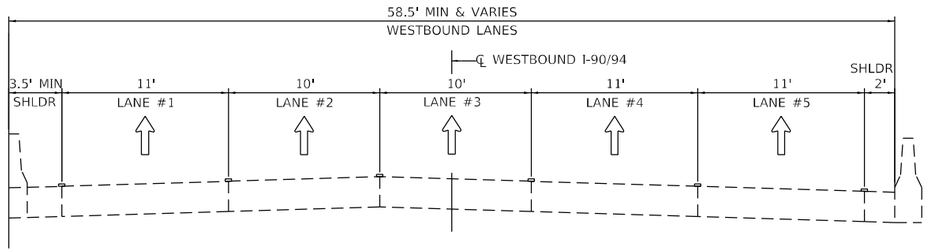
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC STAGING SEQUENCE
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	10
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

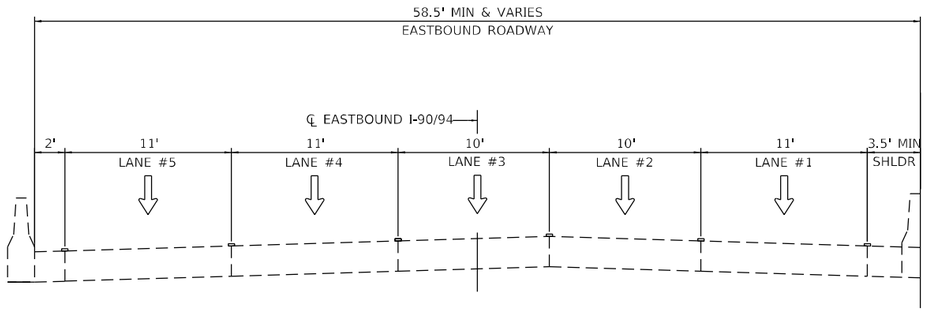


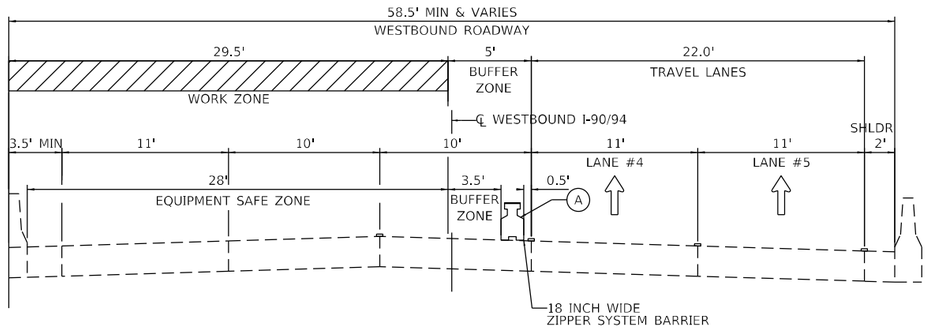


EASTBOUND PAINTING CONTRACT BY OTHERS
(CONTRACT NO 62U24)

EXISTING TYPICAL SECTION

FACING WEST

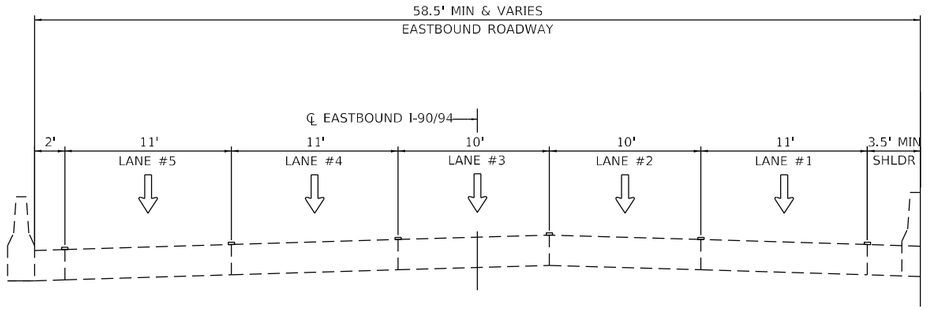


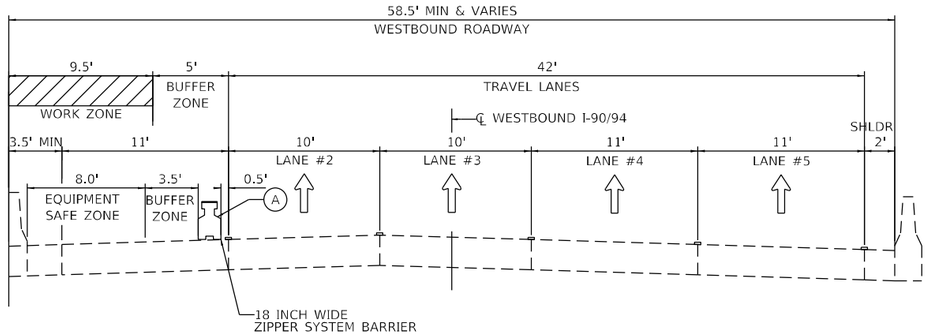


EASTBOUND PAINTING CONTRACT BY OTHERS
(CONTRACT NO 62U24)

STAGE 1 TYPICAL SECTION – NIGHTTIME

FACING WEST





EASTBOUND PAINTING CONTRACT BY OTHERS
(CONTRACT NO 62U24)

STAGE 1 TYPICAL SECTION – DAYTIME

FACING WEST

LEGEND

- WORK AREA
- MODIFIED URETHANE PAVEMENT MARKING OF WIDTH AND COLOR SPECIFIED:
- (A) 6 INCH, YELLOW SOLID, ON BARRIER
- (B) 6 INCH, WHITE SOLID, ON BARRIER
- EXISTING PAVEMENT MARKING
- MOVABLE TRAFFIC BARRIER (SPECIAL) W/ BARRIER WALL REFLECTORS, SPECIAL
- DIRECTION OF TRAFFIC

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-st-MOT Typ Sec Stage 1.dgn

Accurate GROUP, INC.

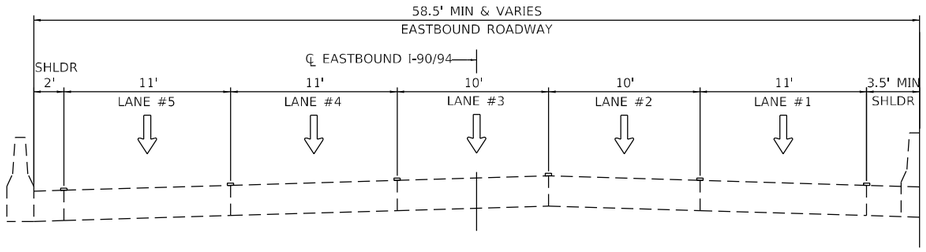
USER NAME = jpiaquinto	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/17/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

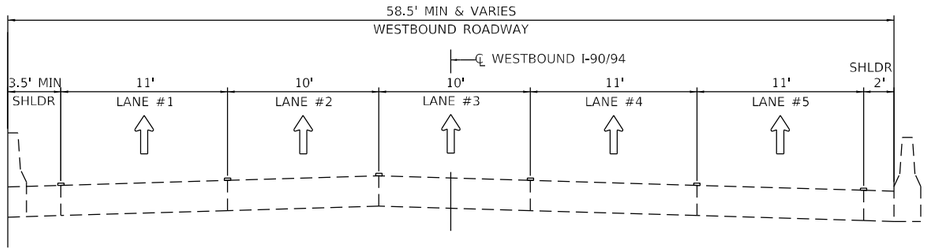
SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS STAGE I
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	11
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

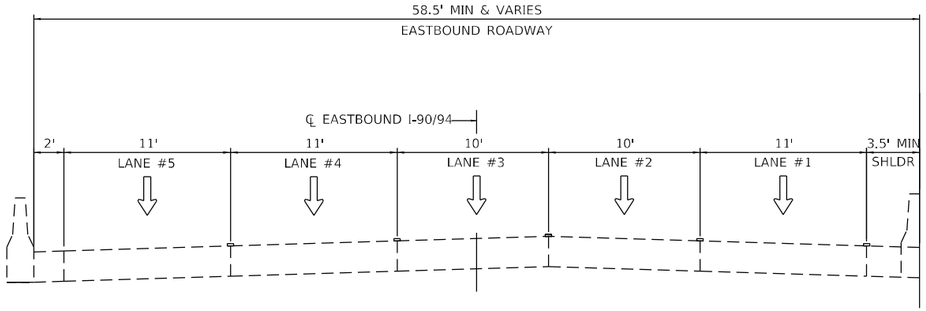


EASTBOUND PAINTING CONTRACT BY OTHERS
(CONTRACT NO 62U24)

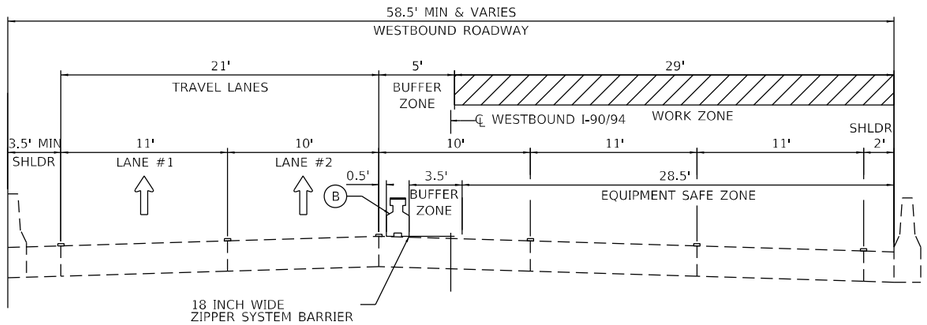


EXISTING TYPICAL SECTION

FACING WEST

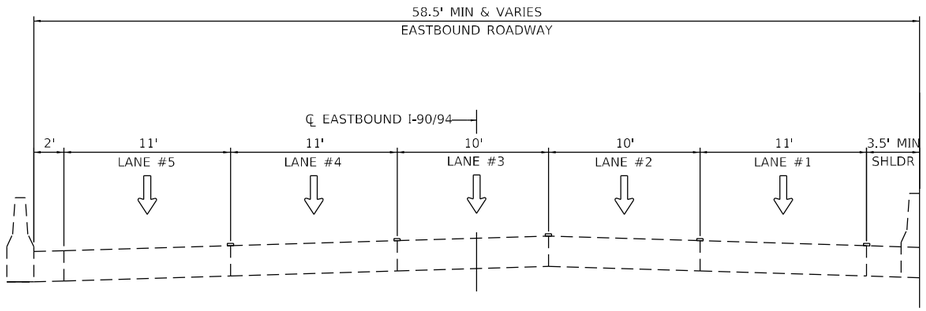


EASTBOUND PAINTING CONTRACT BY OTHERS
(CONTRACT NO 62U24)

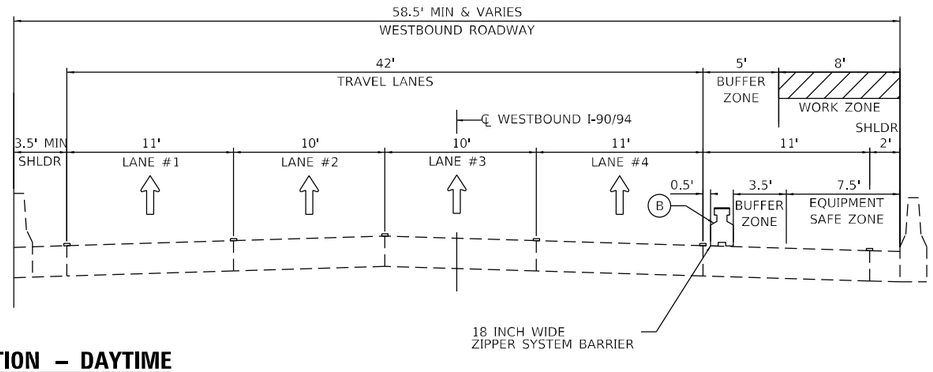


STAGE 2 TYPICAL SECTION – NIGHTTIME

FACING WEST



EASTBOUND PAINTING CONTRACT BY OTHERS
(CONTRACT NO 62U24)



STAGE 2 TYPICAL SECTION – DAYTIME

FACING WEST

LEGEND

- WORK AREA
- MODIFIED URETHANE PAVEMENT MARKING OF WIDTH AND COLOR SPECIFIED:
- (A) 6 INCH, YELLOW SOLID, ON BARRIER
- (B) 6 INCH, WHITE SOLID, ON BARRIER
- EXISTING PAVEMENT MARKING
- MOVABLE TRAFFIC BARRIER (SPECIAL) W/ BARRIER WALL REFLECTORS, SPECIAL
- DIRECTION OF TRAFFIC

MODEL: Default
FILE NAME: c:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1\62U36-sht-MOT Typ Sec Stage 2.dgn

Accurate GROUP, INC.

USER NAME = jpiccuinto	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/17/2023	DATE - 06/30/2023	REVISED -	

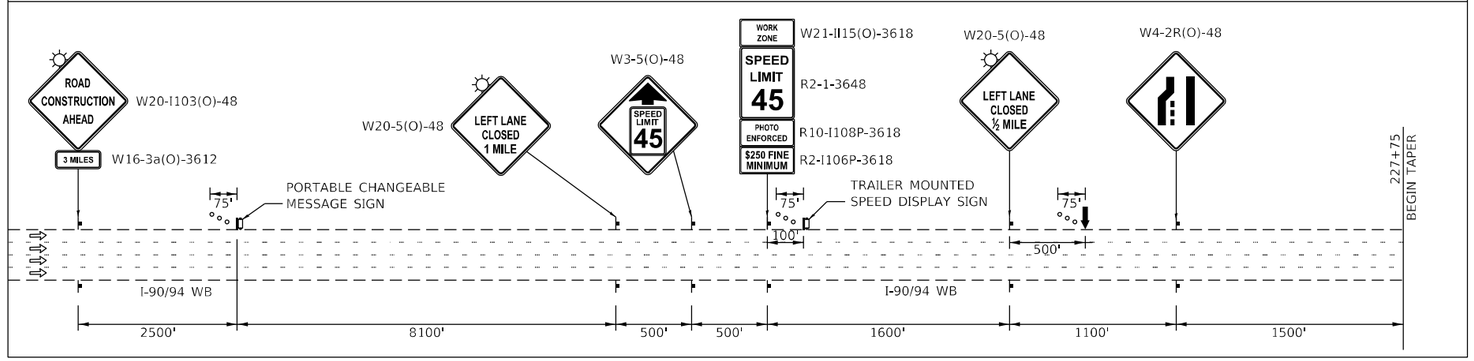
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS STAGE II
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	12
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

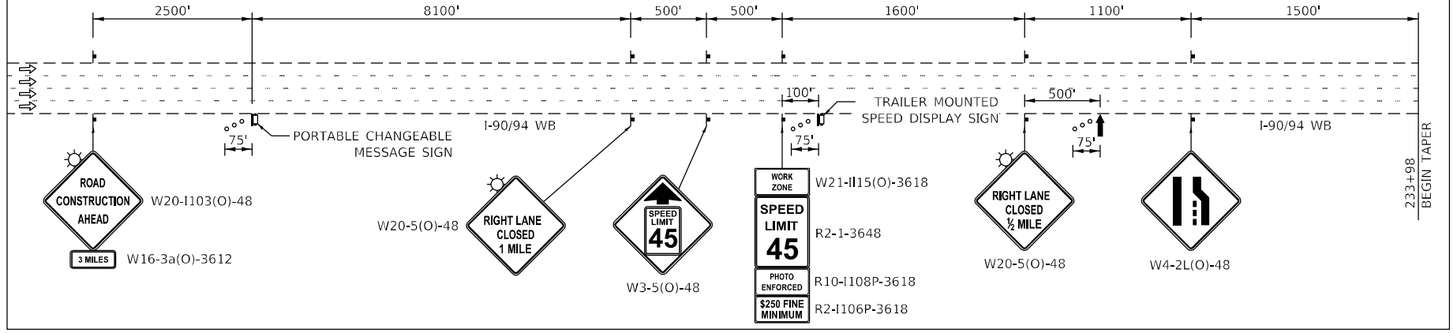
ADVANCE WARNING SEQUENCE



ADVANCE WARNING SIGNS – STAGE I

N.T.S.

ADVANCE WARNING SEQUENCE



ADVANCE WARNING SIGNS – STAGE II

N.T.S.

NOTE:

1. ALL LOCATIONS AND STATIONS ARE APPROXIMATE.
2. WHEN SHOULDER WIDTHS ARE MORE NARROW THAN WARNING DEVICES, PORTABLE CHANGABLE MESSAGE SIGNS AND SPEED DISPLAYED TRAILERS MAY BE PLACED WITHIN PAINTED GORE BUT NOT IN FRONT OF IMPACT ATTENUATORS.
3. WHEN SPEED DISPLAYED TRAILERS CHANGABLE MESSAGE SIGNS NOR SPEED DISPLAYED TRAILERS CAN BE PLACED, "ROAD CONSTRUCTION AHEAD SIGNS" SHALL BE PLACED ON ELEVATED STRUCTURES OVER THE HIGHWAY.

MODEL: Default
FILE NAME: c:\Engineering\Live Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Dur0623360162U36-sht-staging-Adv Warning Sign.dgn

Accurate GROUP, INC.

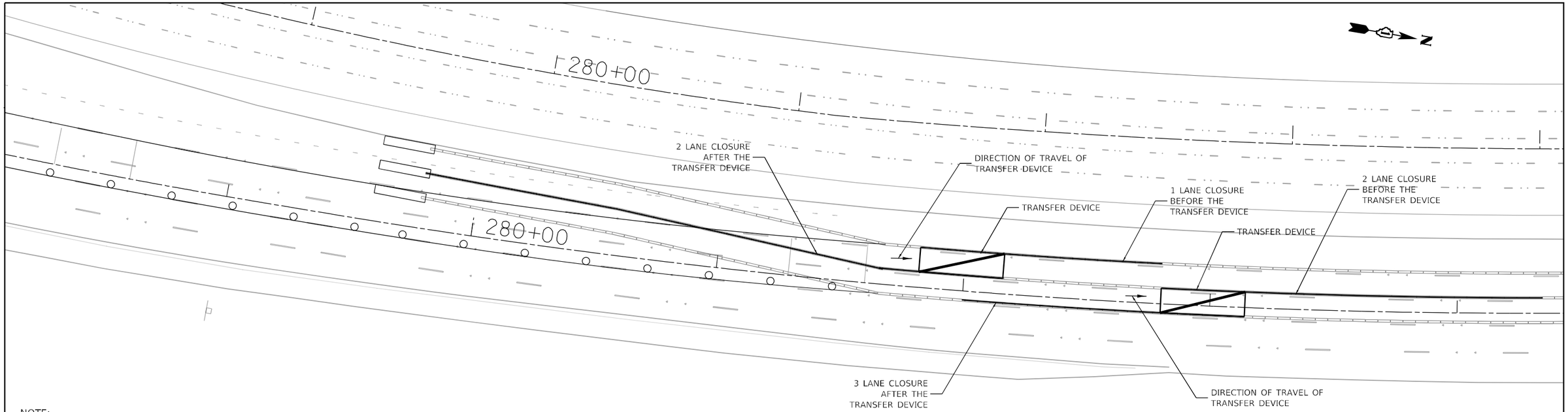
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC ADVANCE WARNING SIGNAGE
WB I–94 BRIDGE PAINTING & LIGHTING

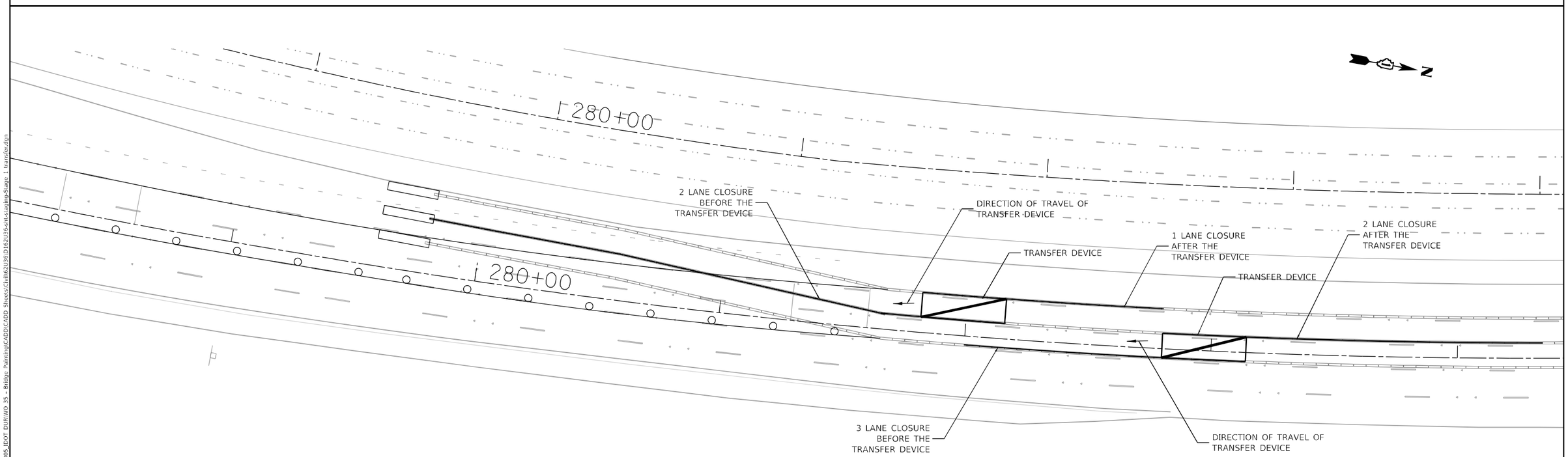
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	13
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



NOTE:
14'X50' PARKING AREA FOR TRANSFER DEVICE IS LOCATED ON THE ON-RAMP FROM RANDOLPH ST. TO I-90/94 WB.

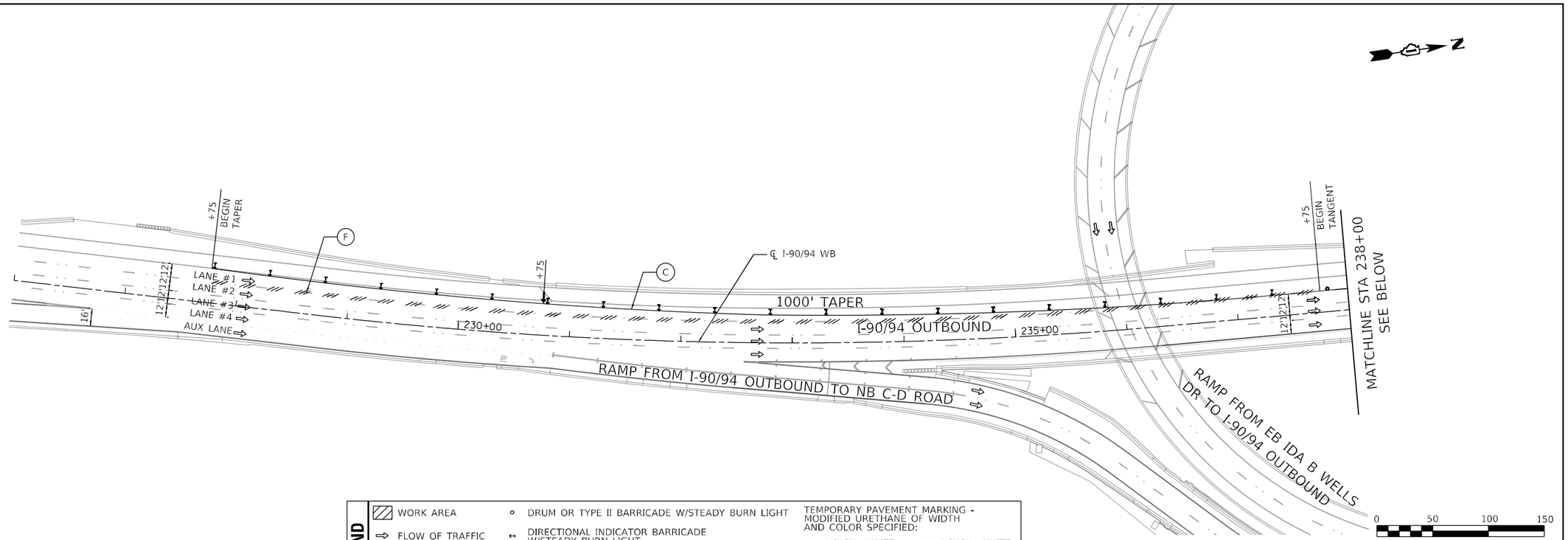
DEPLOYING A LANE CLOSURE
N.T.S.



OPENING A LANE CLOSURE
N.T.S.

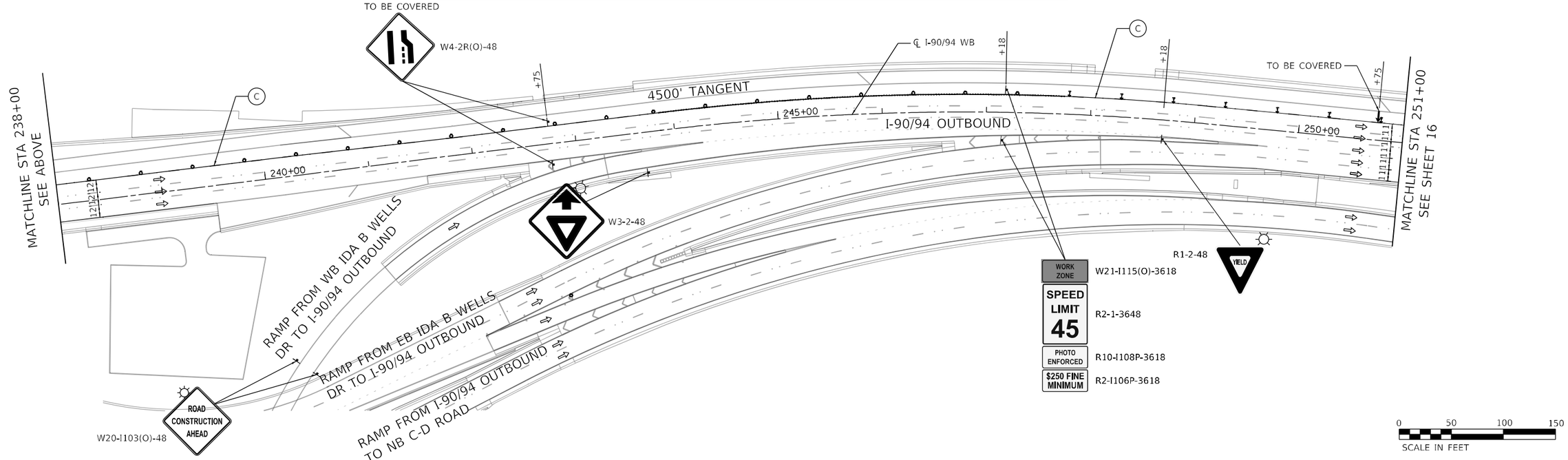
MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-staging-Stage 1 transfer.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY MOVABLE BARRIER TRANSFER – STAGE I WB I–94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JJD	REVISED -			94	FAI 94 22 BRIDGE PAINTING	COOK	119	14
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AB	REVISED -					CONTRACT NO. 62U36		
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 1 OF 10 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



LEGEND

WORK AREA	DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT	TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:
FLOW OF TRAFFIC	DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT	(A) 4 INCH, WHITE SOLID; (B) 4 INCH, WHITE 6'-2' SKIP-LINE
TYPE III BARRICADE	TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C	(C) 4 INCH, YELLOW SOLID; (D) 5 INCH, WHITE 30'-10' SKIP-LINE
ARROW BOARD	MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR	(F) PAVEMENT MARKING REMOVAL - WATER BLASTING
	SIGN ON PERMANENT OR TEMPORARY SUPPORT	



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Accurate GROUP, INC.

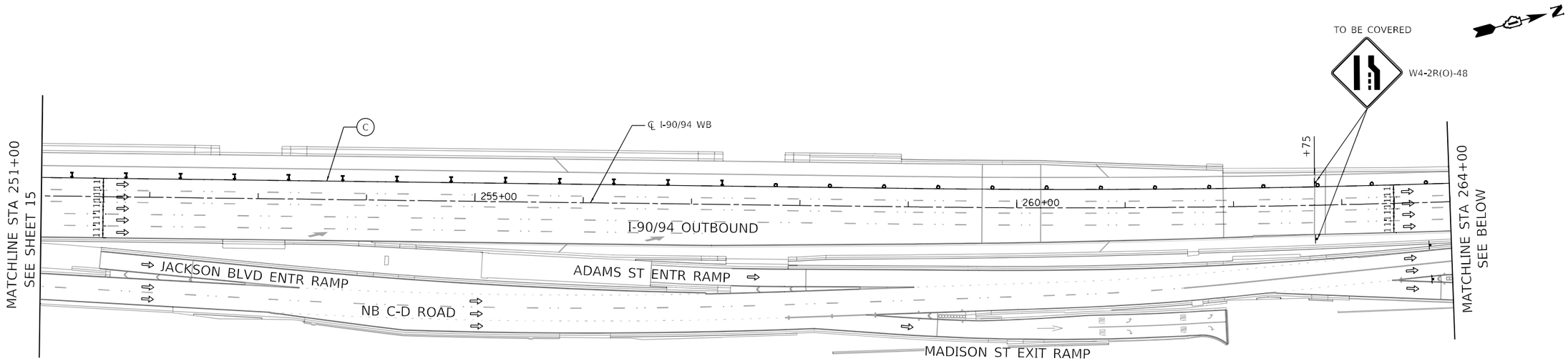
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0010 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IA
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 2 OF 10 SHEETS | STA. 226+00 TO STA. 251+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	15
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



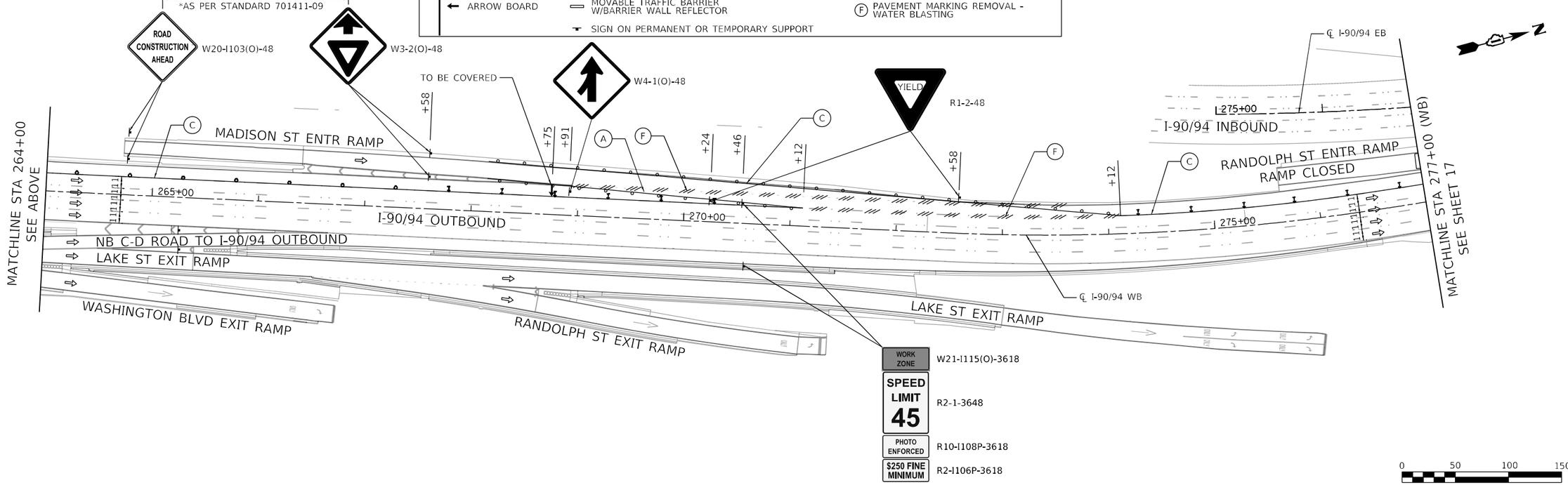
LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

0 50 100 150
SCALE IN FEET



0 50 100 150
SCALE IN FEET

MODEL: Default
FILE NAME: C:\Engineer Buyit\Live Projects\20005 IDOT DUR WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-staging-Stage 1 Daytime 2.dgn

Accurate GROUP, INC.

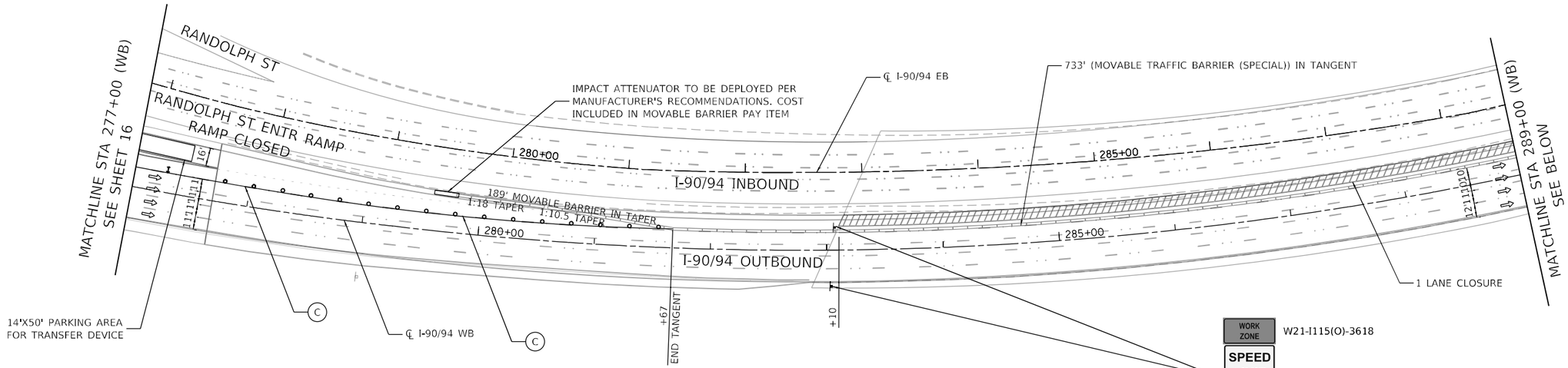
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IA
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 3 OF 10 SHEETS | STA. 251+00 | TO STA. 277+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	16
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

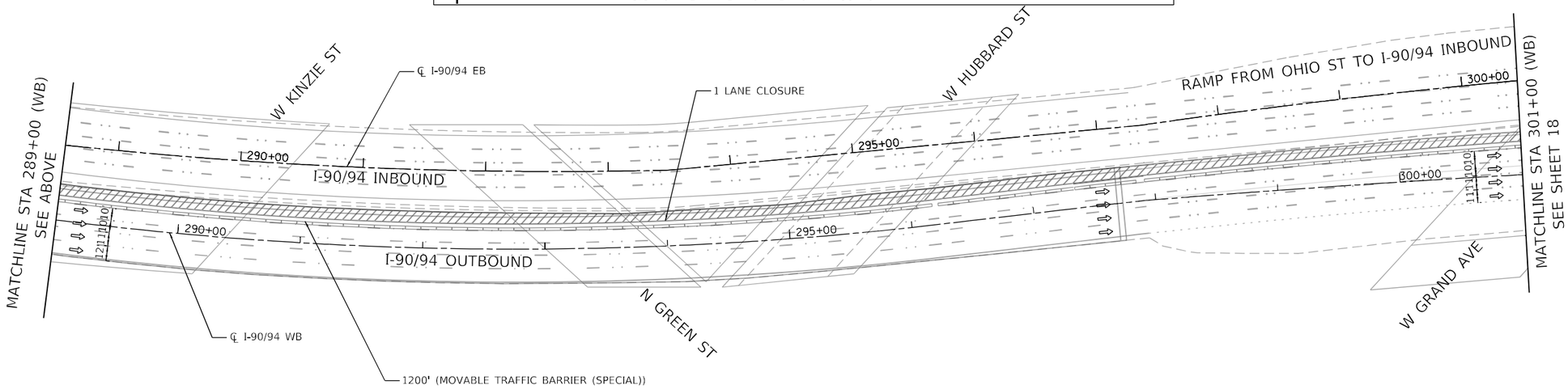


LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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Accurate GROUP, INC.

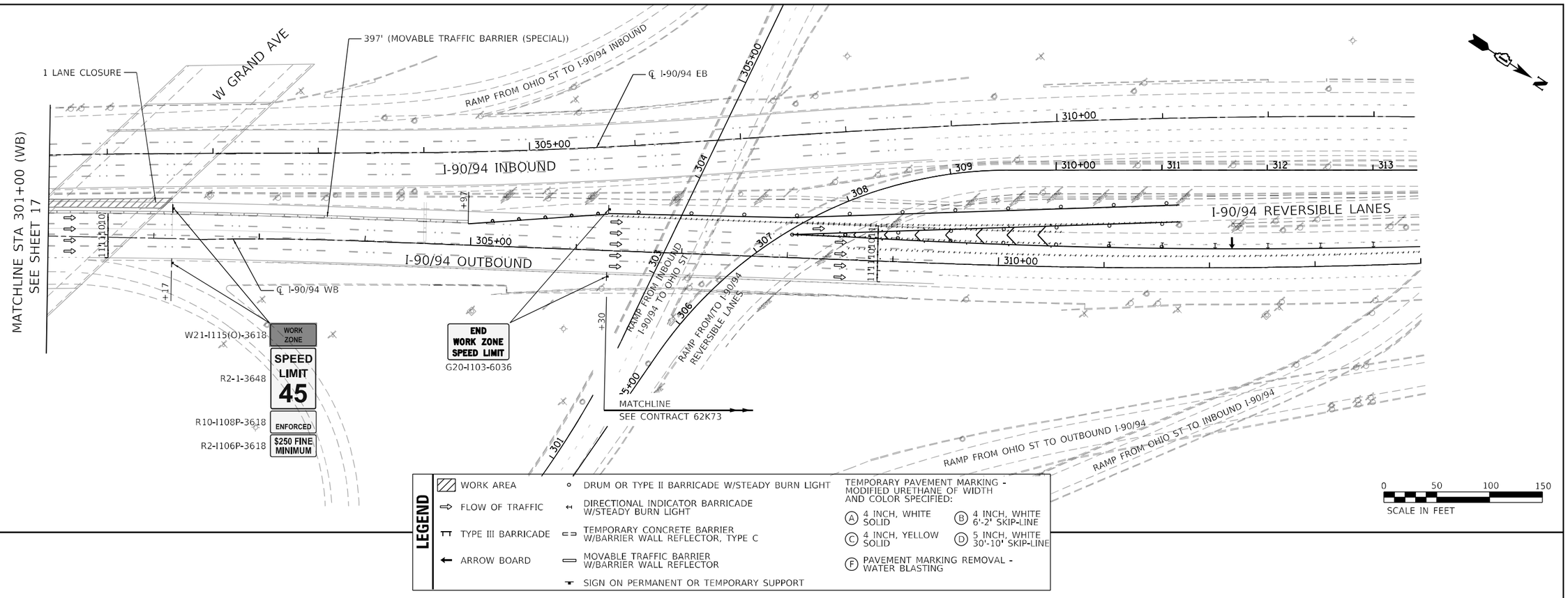
USER NAME = Jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IA
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 4 OF 10 SHEETS | STA. 277+00 TO STA. 301+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	17
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

MODEL: Default
FILE NAME: c:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Ckt\IL62U36.D162U36-sht-staging-Stage 1 Daytime 4.dgn

Accurate GROUP, INC.

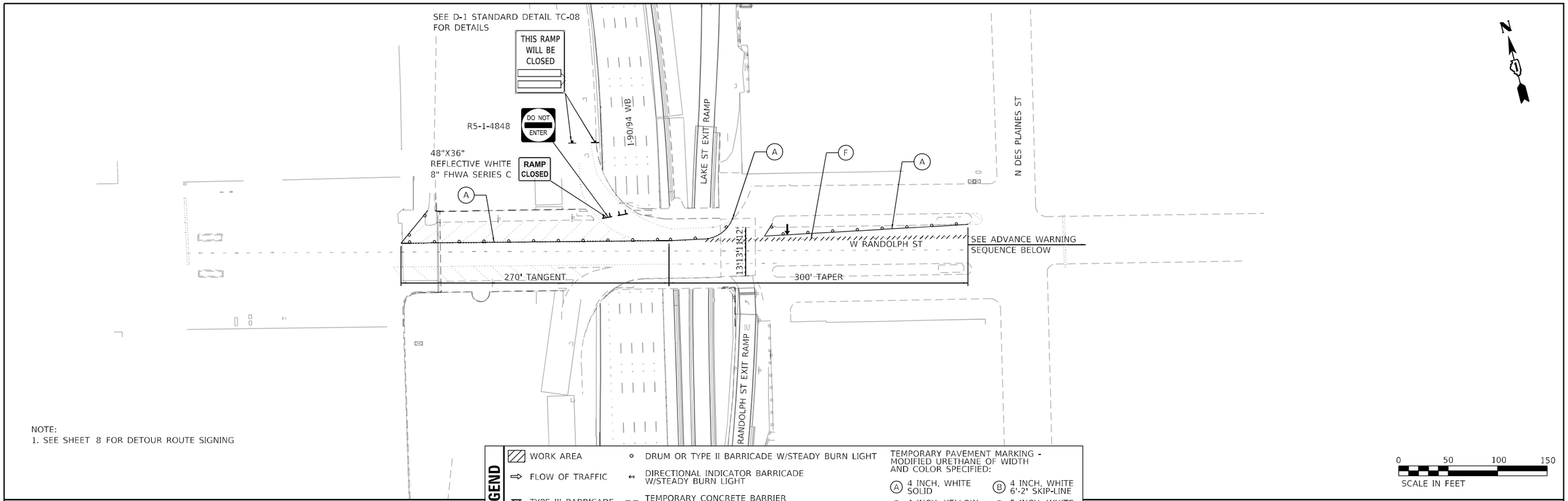
USER NAME = jdavis	DESIGNED - JJD	REVISED -
	DRAWN - JJD	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IA
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 5 OF 10 SHEETS | STA. 301+00 TO STA. 314+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	18
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



NOTE:
1. SEE SHEET 8 FOR DETOUR ROUTE SIGNING

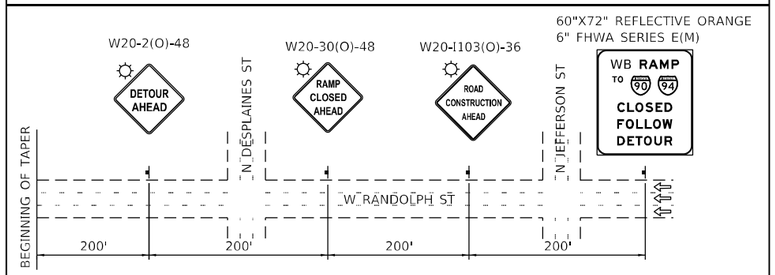
LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

ADVANCE WARNING SEQUENCE FOR RANDOLPH ST



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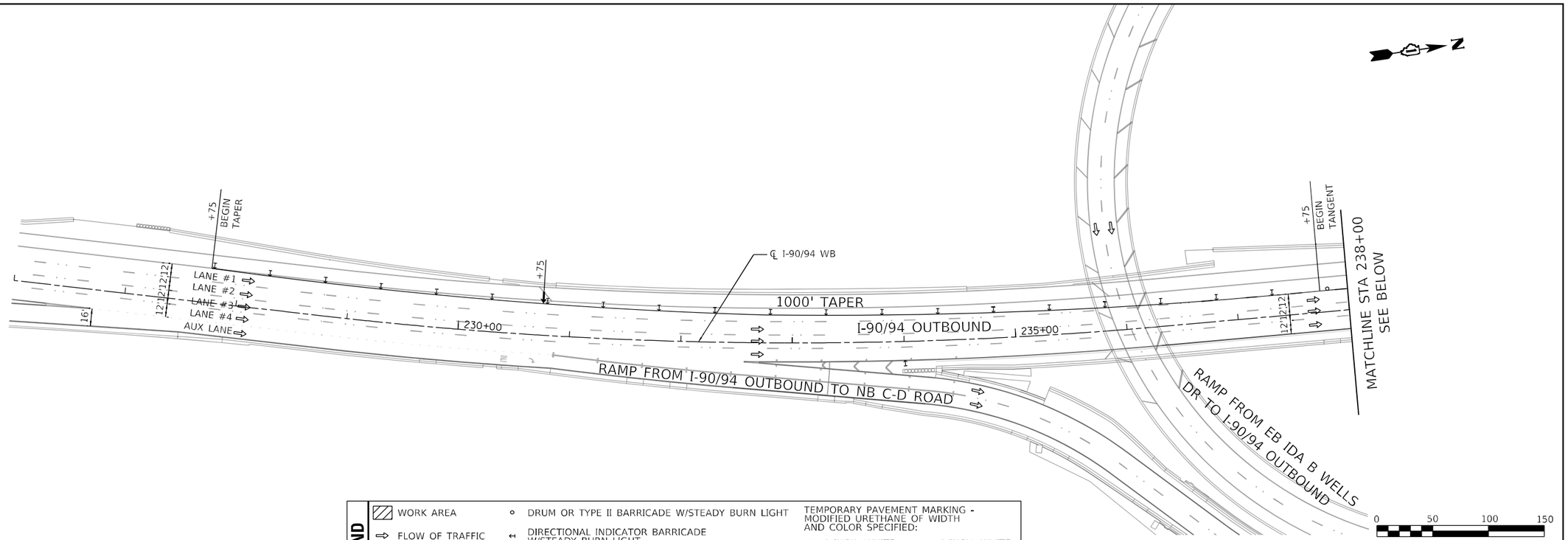
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JP	REVISED -
		DRAWN - JP	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JJD	REVISED -
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE I – RANDOLPH ST.
WB I-94 BRIDGE PAINTING & LIGHTING

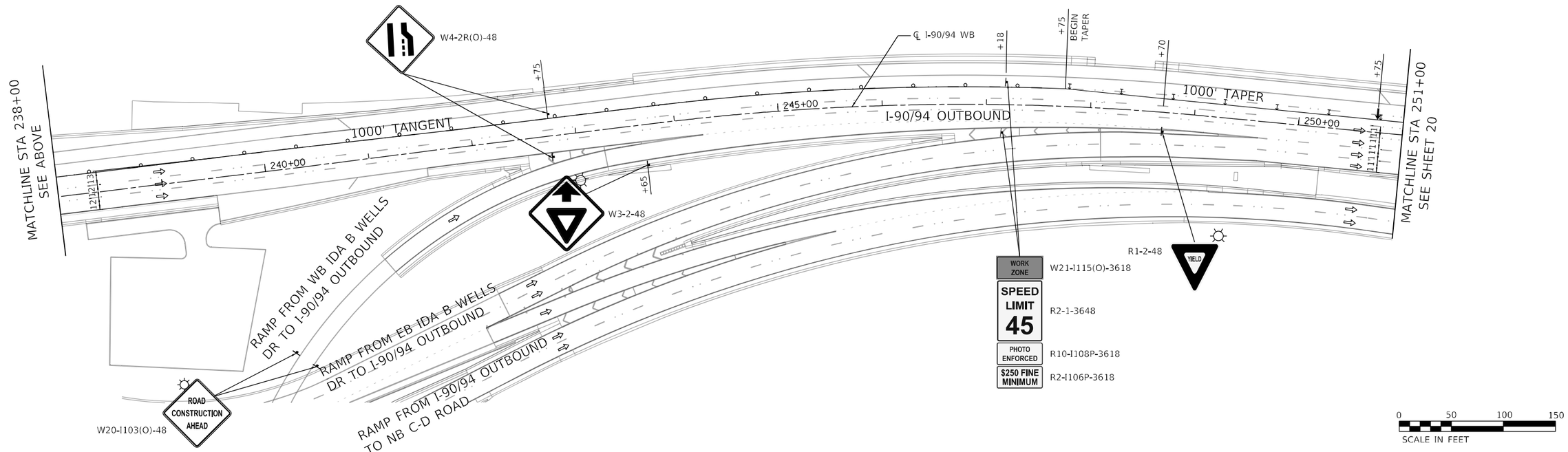
SCALE: 1"=50' | SHEET 6 OF 10 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	19
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



LEGEND

WORK AREA	DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT	TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:
FLOW OF TRAFFIC	DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT	(A) 4 INCH, WHITE SOLID; (B) 4 INCH, WHITE 6'-2' SKIP-LINE
TYPE III BARRICADE	TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C	(C) 4 INCH, YELLOW SOLID; (D) 5 INCH, WHITE 30'-10' SKIP-LINE
ARROW BOARD	MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR	(F) PAVEMENT MARKING REMOVAL - WATER BLASTING
	SIGN ON PERMANENT OR TEMPORARY SUPPORT	



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Accurate GROUP, INC.

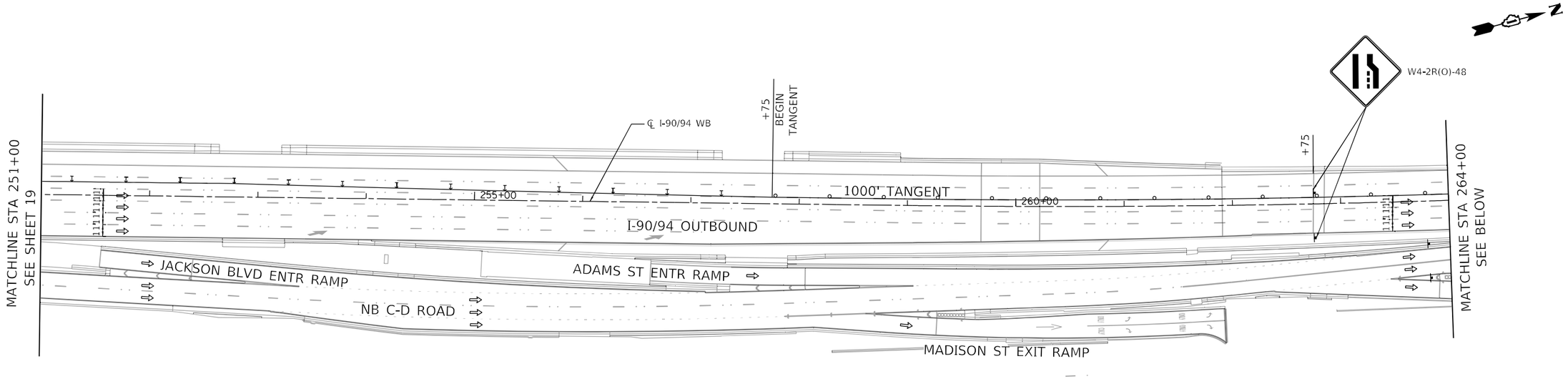
USER NAME = Jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0010 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IB
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 7 OF 10 SHEETS | STA. 226+00 TO STA. 251+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	20
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



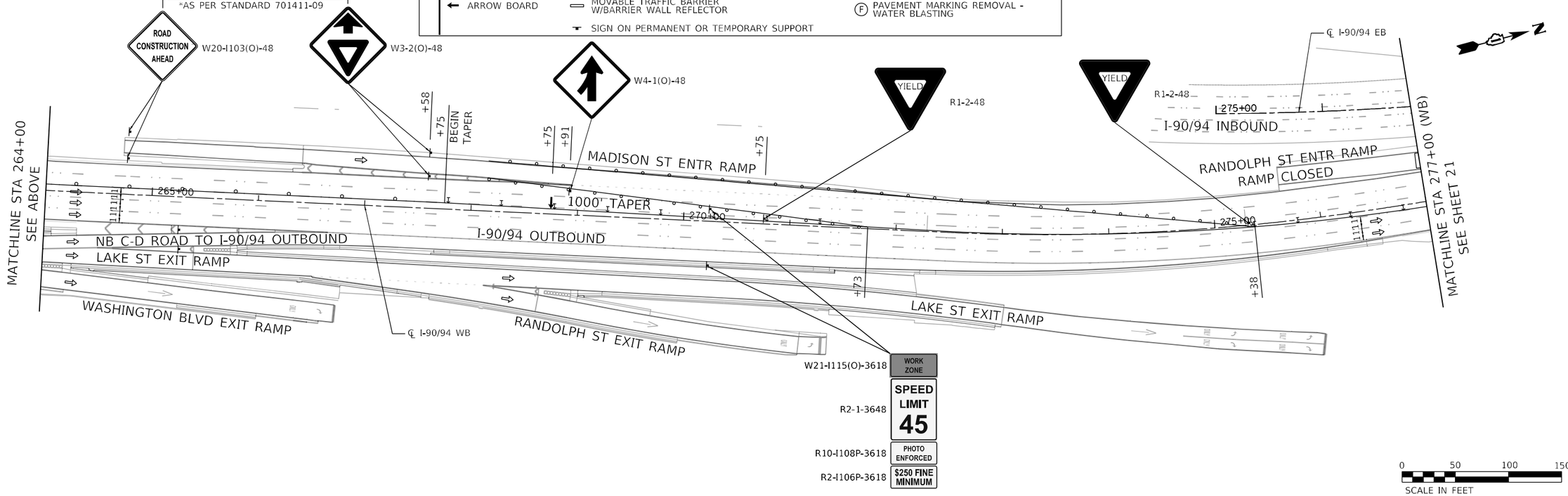
LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

0 50 100 150
SCALE IN FEET

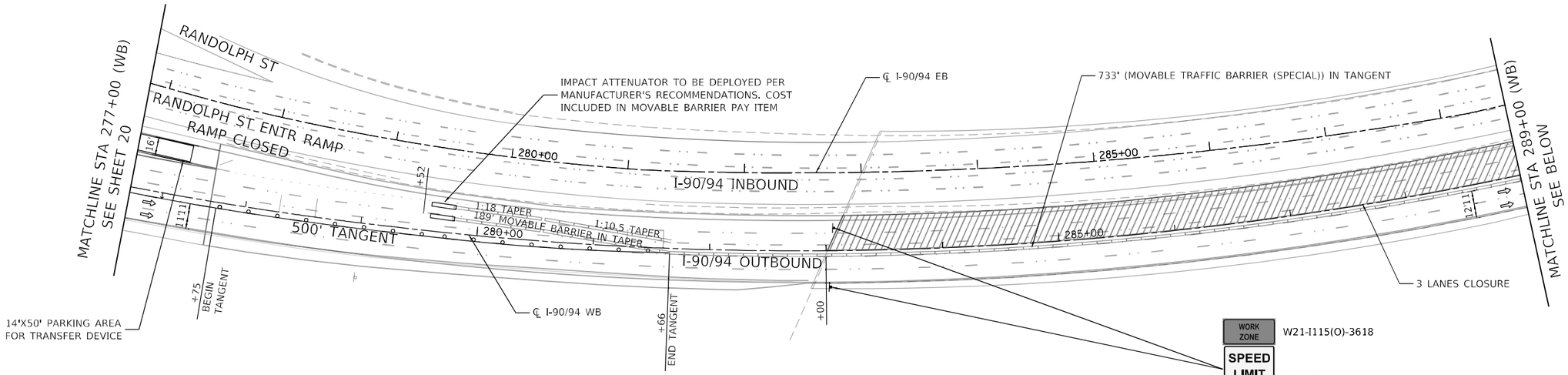


0 50 100 150
SCALE IN FEET

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-staging-Stage 1 Nighttime 2.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IB WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - JJD	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -		
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 8 OF 10 SHEETS STA. 251+00 TO STA. 277+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	21
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

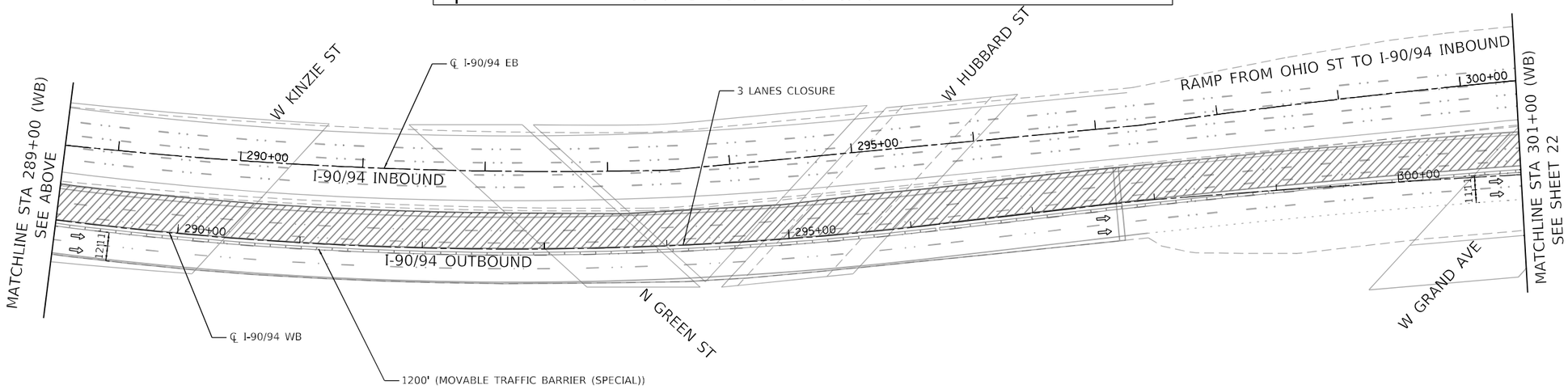


LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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Accurate GROUP, INC.

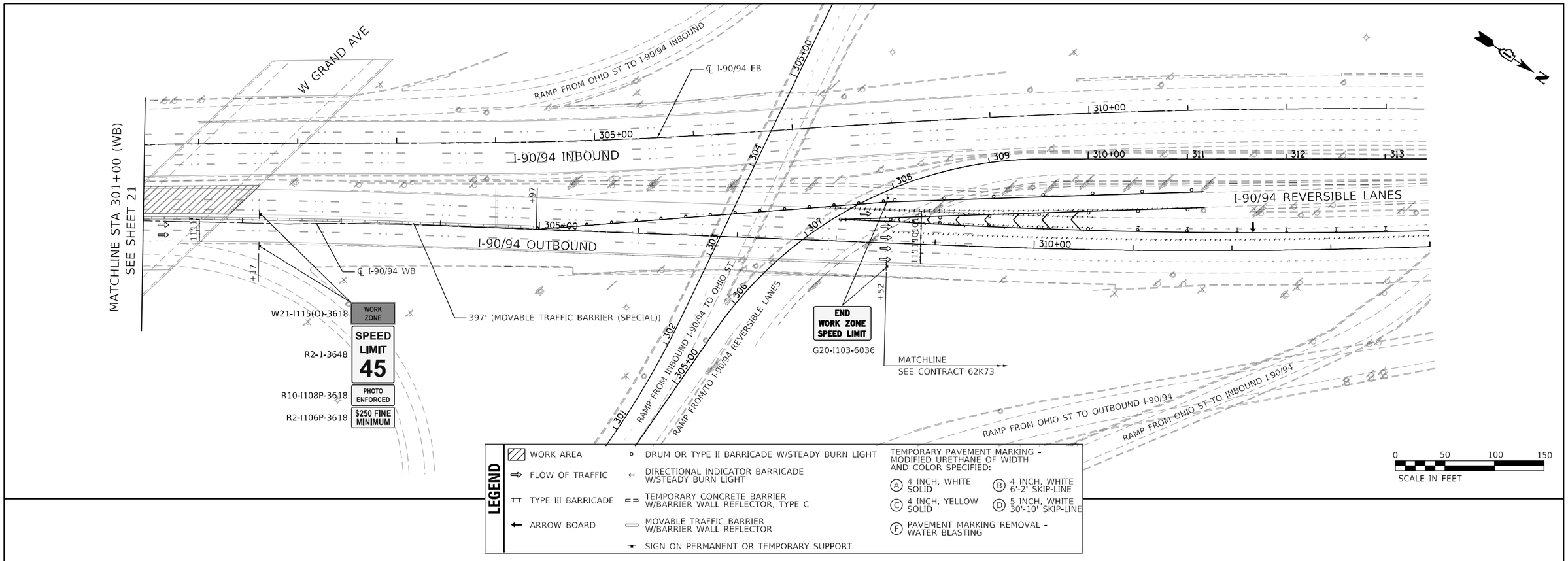
USER NAME = Jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IB
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 9 OF 10 SHEETS | STA. 277+00 TO STA. 301+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	22
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

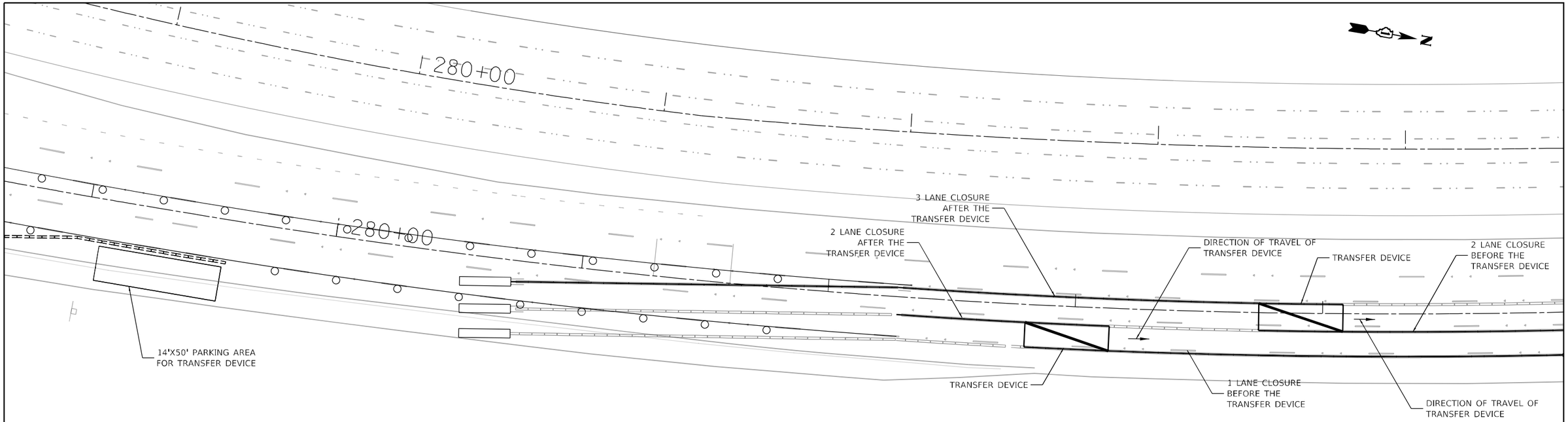
TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-staging-Stage 1 Nighttime 4.dgn

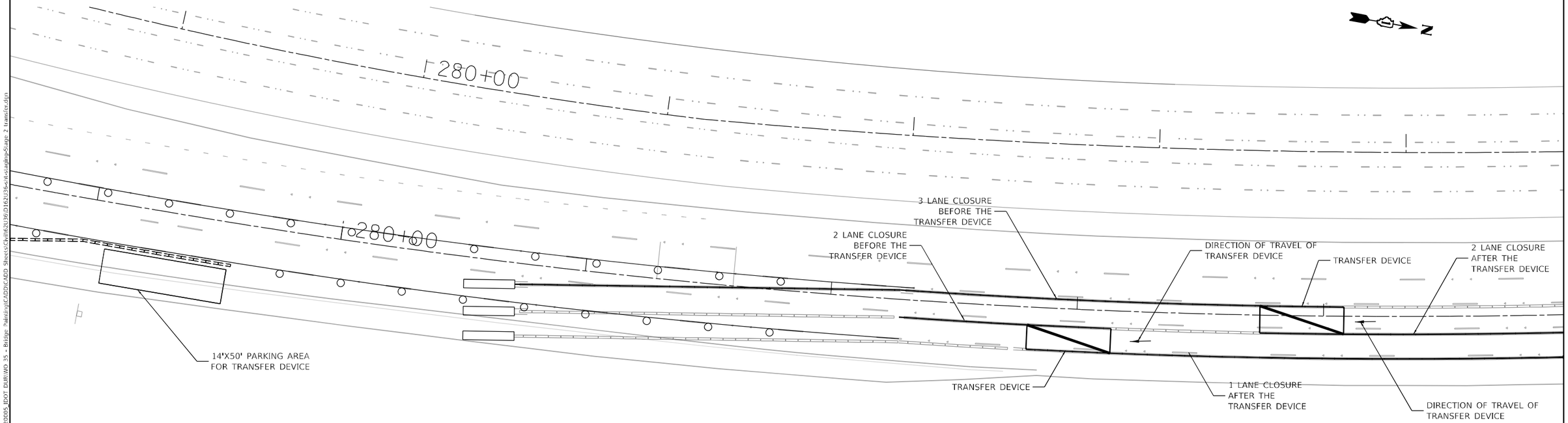
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IB WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - JJD	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -		
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 10 OF 10 SHEETS STA. 301+00 TO STA. 314+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	23
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



DEPLOYING A LANE CLOSURE

N.T.S.



OPENING A LANE CLOSURE

N.T.S.

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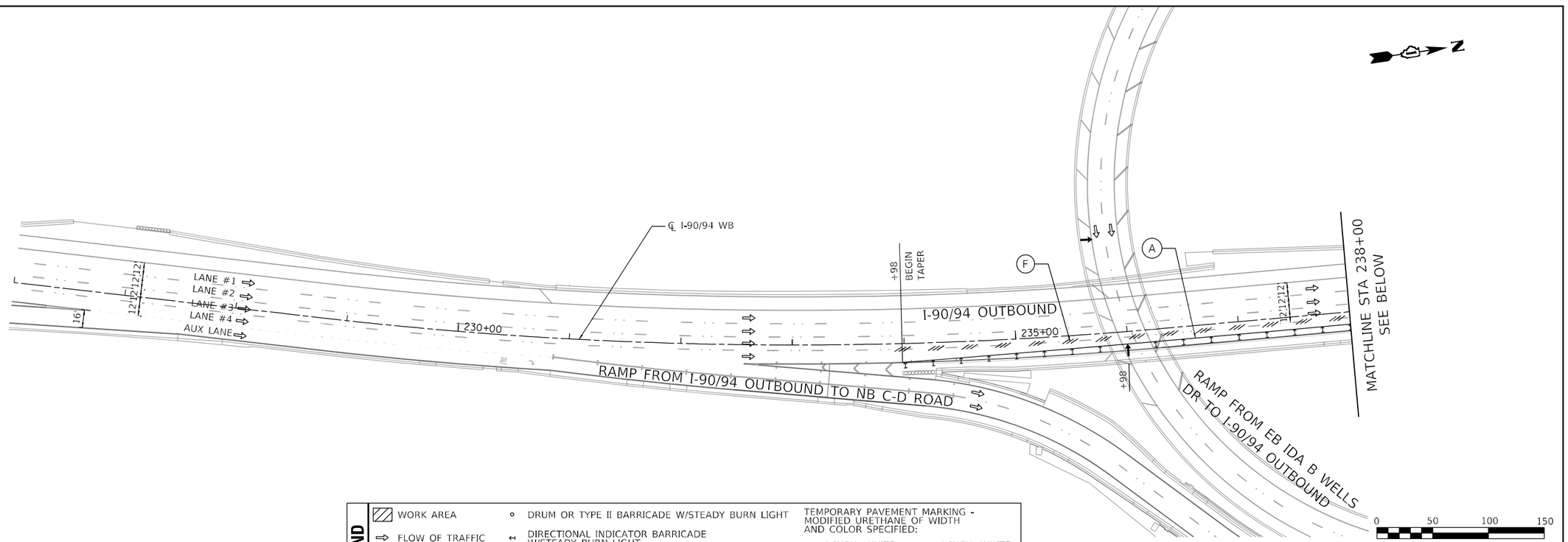
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY MOVABLE BARRIER TRANSFER – STAGE II WB I–94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JJD	REVISED -			94	FAI 94 22 BRIDGE PAINTING	COOK	119	24
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AB	REVISED -					CONTRACT NO. 62U36		
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 1 OF 9 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT NHPP-EHG7(288)		

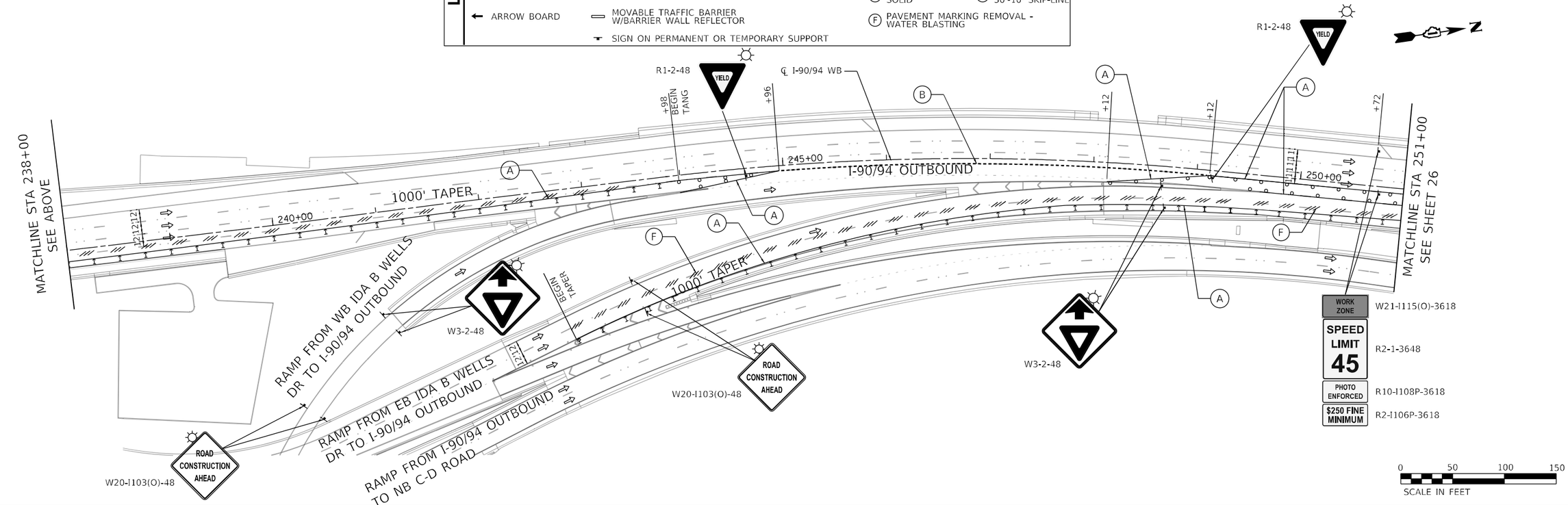


LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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Accurate GROUP, INC.

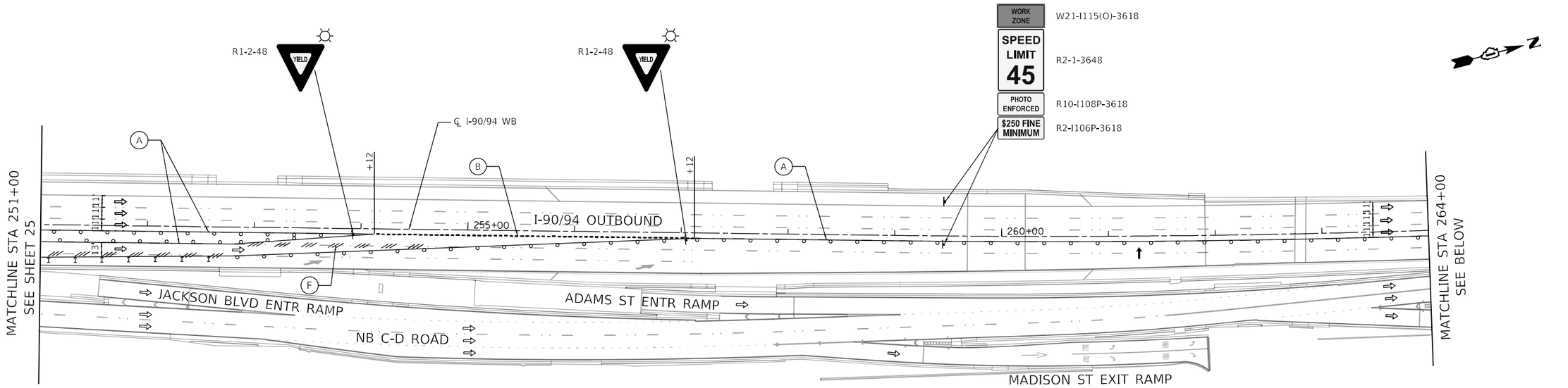
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIA
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 2 OF 9 SHEETS | STA. 226+00 TO STA. 251+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	25
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

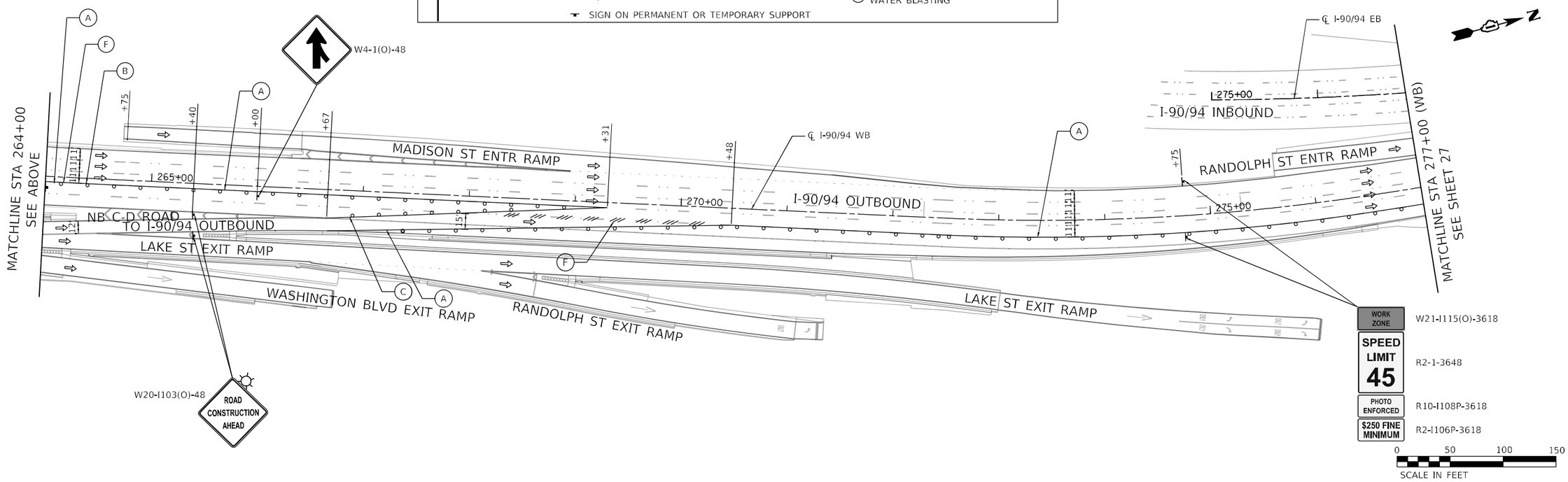


LEGEND

WORK AREA	DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT	
FLOW OF TRAFFIC	DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT	
TYPE III BARRICADE	TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C	
ARROW BOARD	MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR	
	SIGN ON PERMANENT OR TEMPORARY SUPPORT	

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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Accurate GROUP, INC.

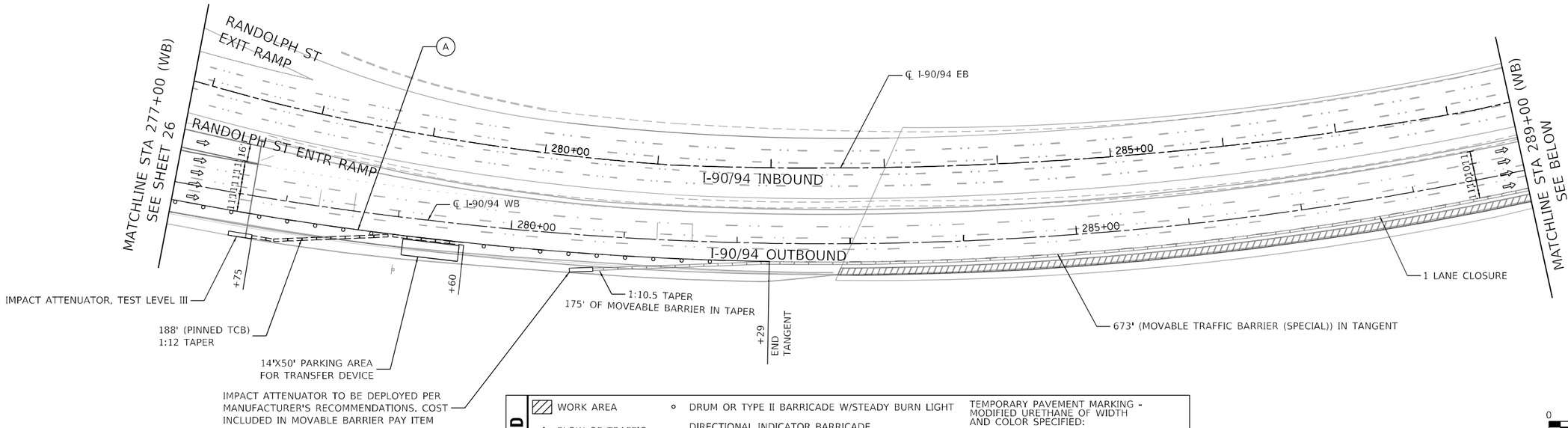
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIA
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 3 OF 9 SHEETS | STA. 251+00 TO STA. 277+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	26
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

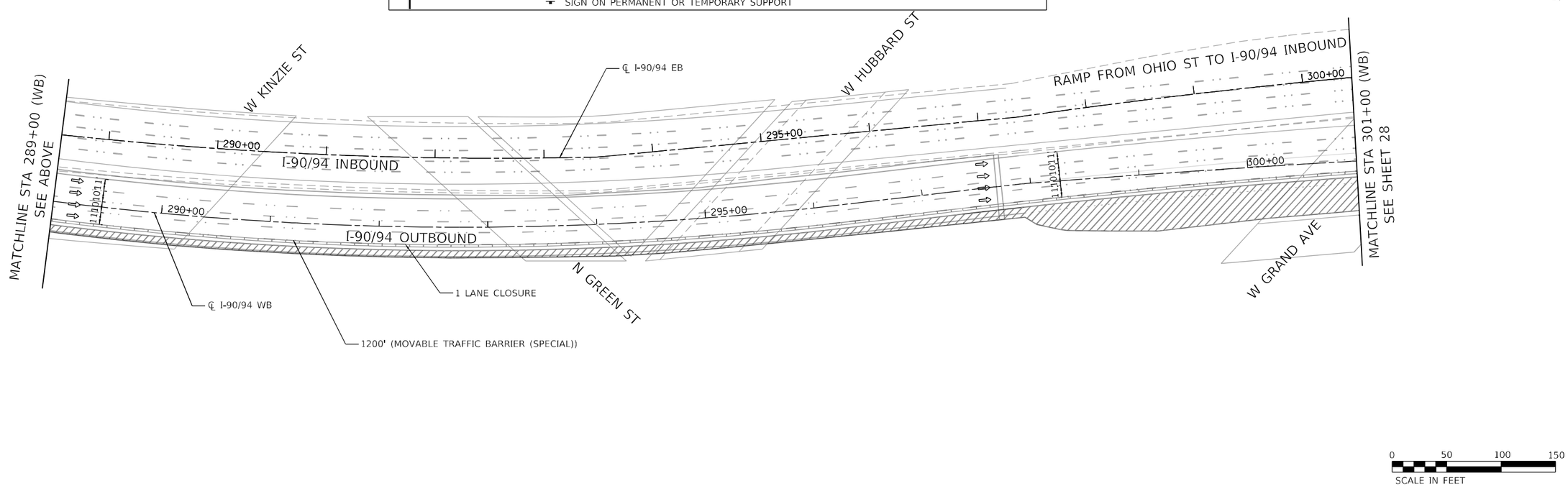


LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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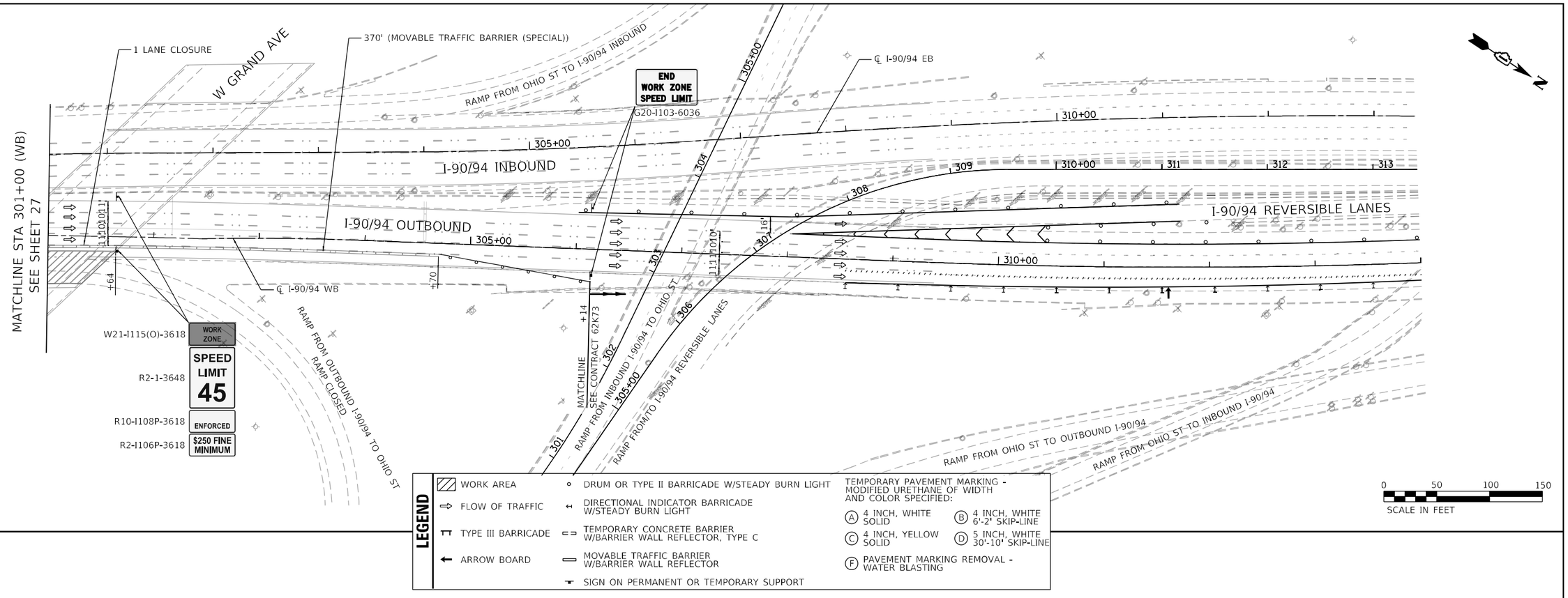
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -
		DRAWN - JJD	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIA
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 4 OF 9 SHEETS | STA. 277+00 TO STA. 301+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	27
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

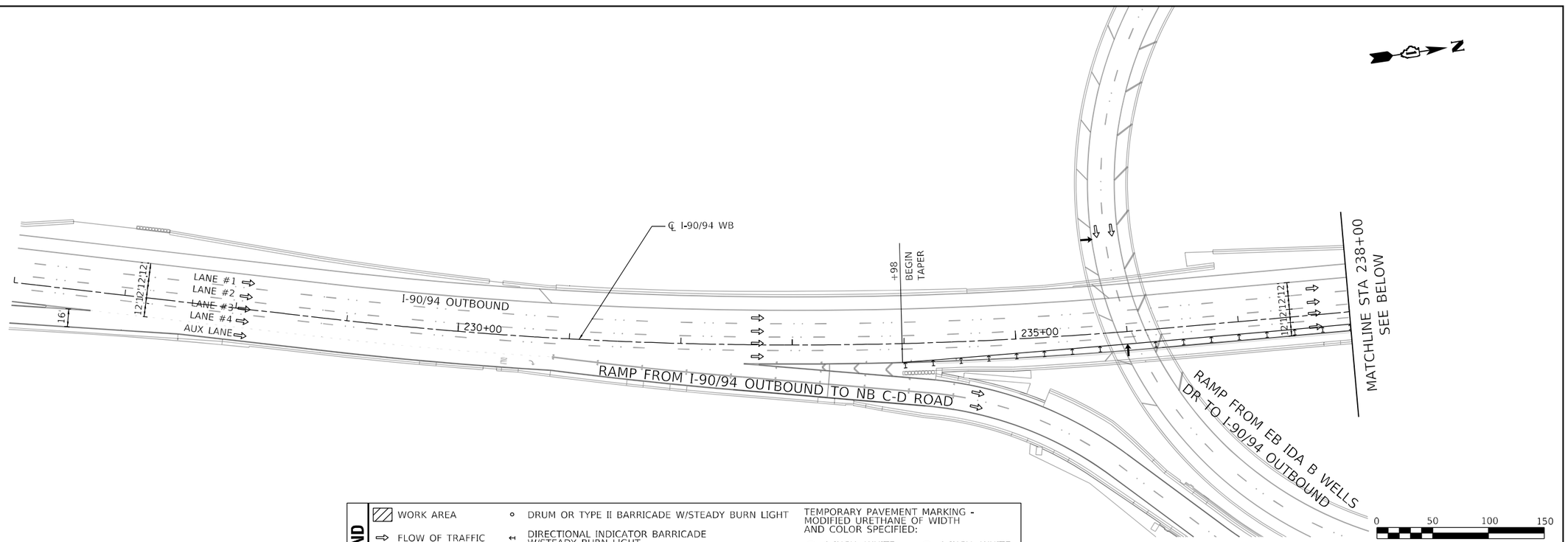
TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-staging-Stage 2 Daytime 4.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIA WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - JJD	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -		
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 5 OF 9 SHEETS STA. 301+00 TO STA. 314+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	28
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

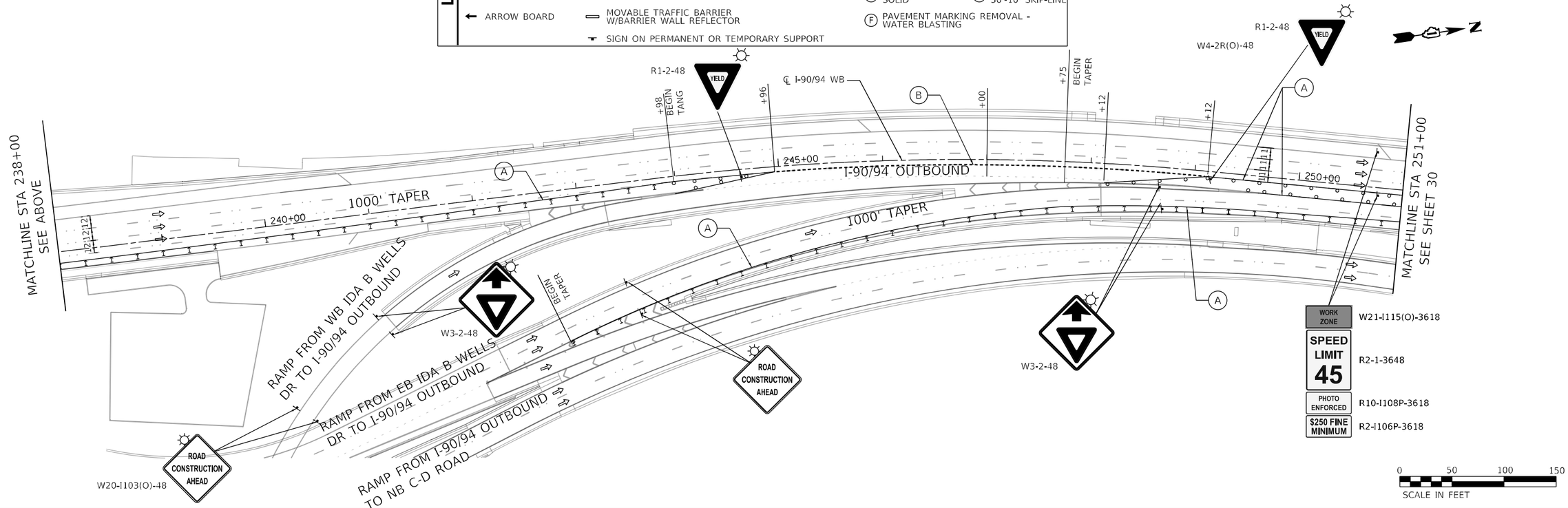


LEGEND

WORK AREA	DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
FLOW OF TRAFFIC	DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
TYPE III BARRICADE	TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
ARROW BOARD	MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
	SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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Accurate GROUP, INC.

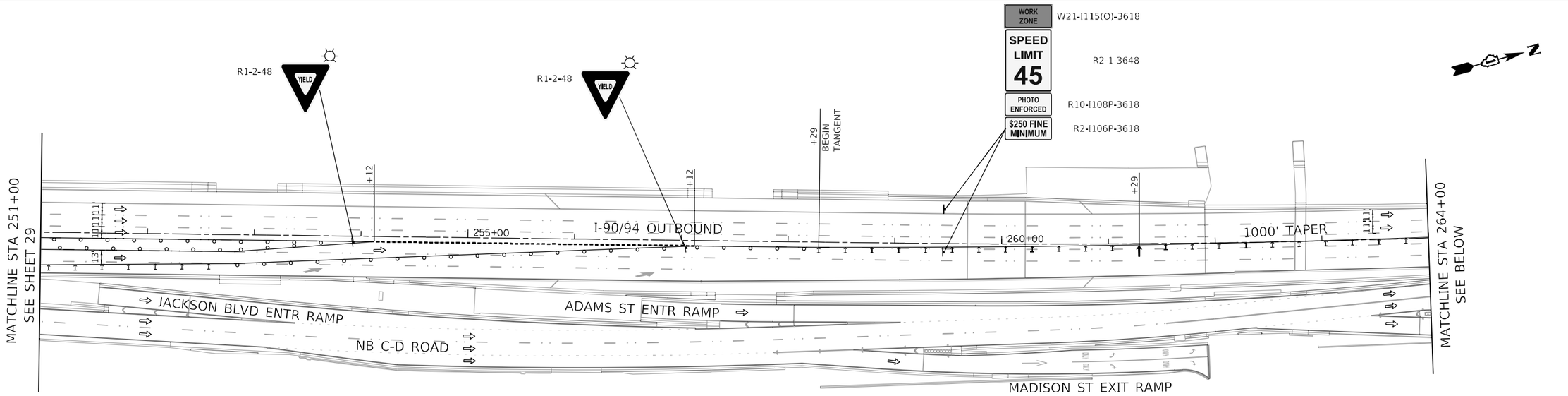
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIB
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 6 OF 9 SHEETS | STA. 226+00 TO STA. 251+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	29
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



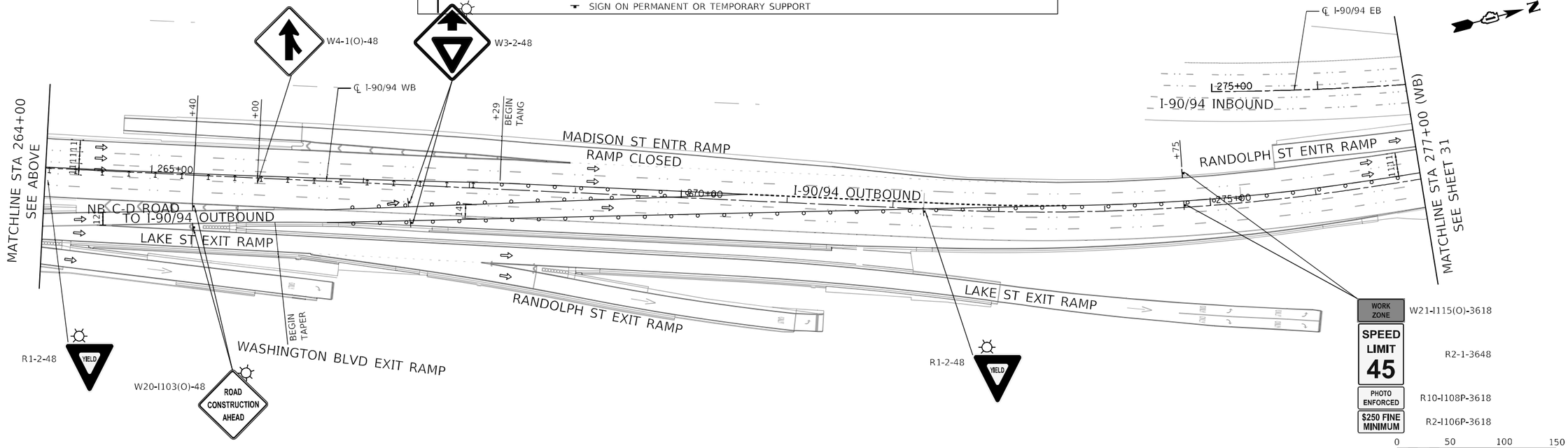
LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING

0 50 100 150
SCALE IN FEET



0 50 100 150
SCALE IN FEET

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Accurate GROUP, INC.

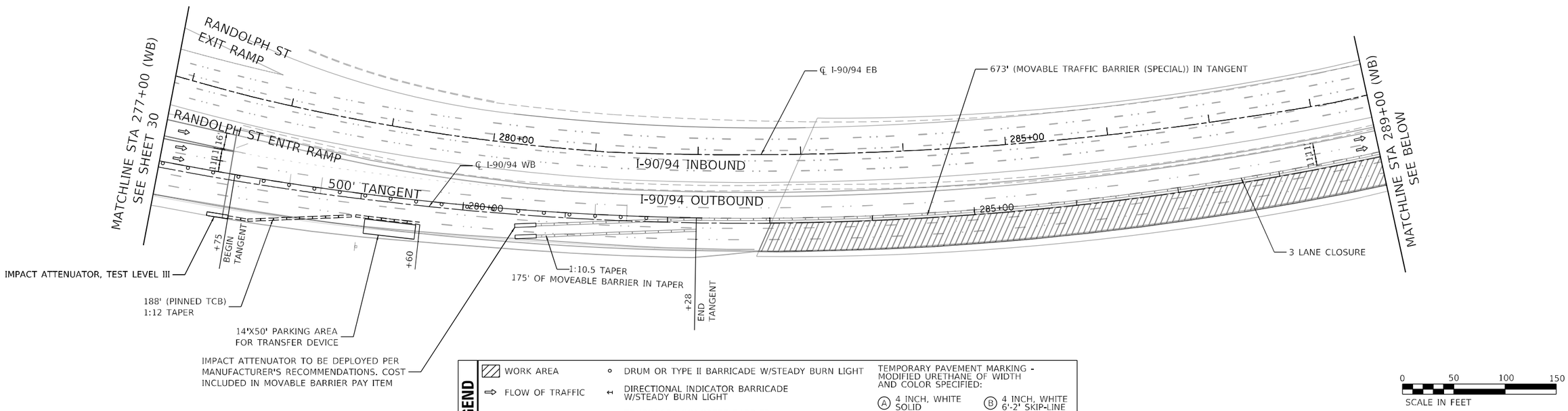
USER NAME = jdavis	DESIGNED - JJD	REVISED -	
	DRAWN - JJD	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -	
PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIB
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: 1"=50' | SHEET 7 OF 9 SHEETS | STA. 251+00 TO STA. 277+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	30
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

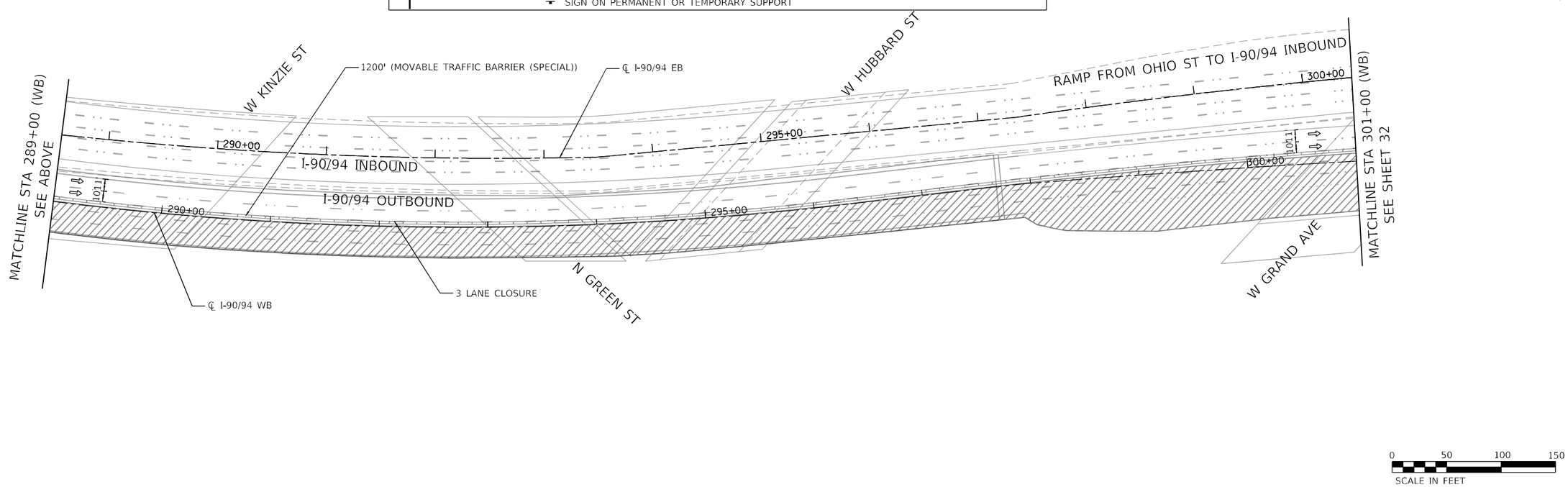


LEGEND

- WORK AREA
- FLOW OF TRAFFIC
- TYPE III BARRICADE
- ARROW BOARD
- DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT
- DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT
- TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C
- MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR
- SIGN ON PERMANENT OR TEMPORARY SUPPORT

TEMPORARY PAVEMENT MARKING - MODIFIED URETHANE OF WIDTH AND COLOR SPECIFIED:

- (A) 4 INCH, WHITE SOLID
- (B) 4 INCH, WHITE 6'-2' SKIP-LINE
- (C) 4 INCH, YELLOW SOLID
- (D) 5 INCH, WHITE 30'-10' SKIP-LINE
- (F) PAVEMENT MARKING REMOVAL - WATER BLASTING



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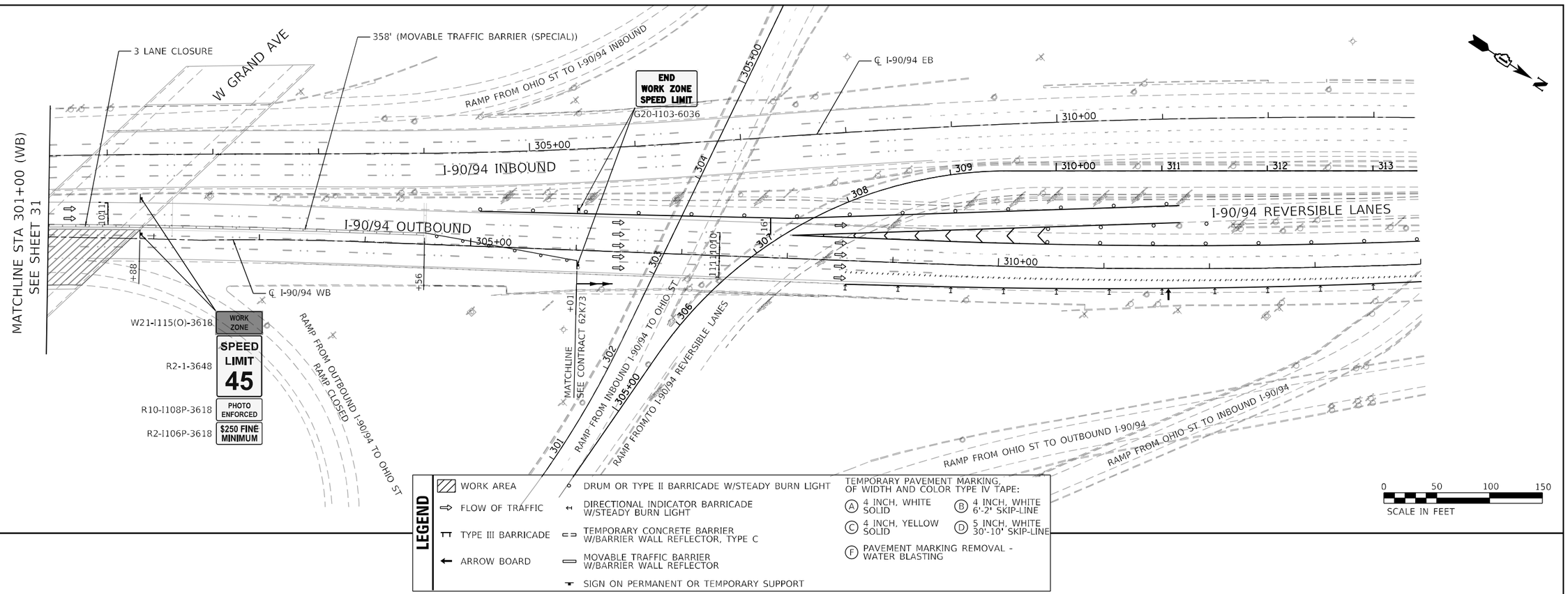
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIB WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - JJD	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -		
	PLOT DATE = 8/18/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 8 OF 9 SHEETS STA. 277+00 TO STA. 301+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	31
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



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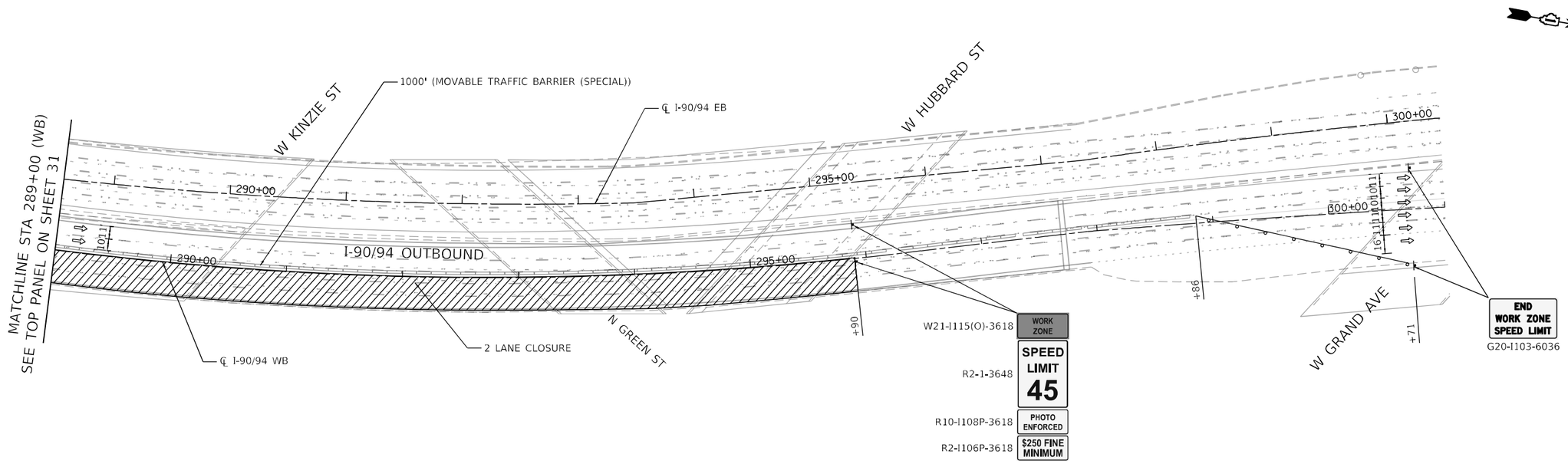
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC PLAN STAGE IIB WB I-94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE. 94	SECTION FAI 94 22 BRIDGE PAINTING	COUNTY COOK	TOTAL SHEETS 119 / SHEET NO. 32
		DRAWN - JJD	REVISED -					CONTRACT NO. 62U36	
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -						
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 9 OF 9 SHEETS STA. 301+00 TO STA. 314+00		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



LEGEND

WORK AREA	DRUM OR TYPE II BARRICADE W/STEADY BURN LIGHT	TEMPORARY PAVEMENT MARKING, OF WIDTH AND COLOR TYPE IV TAPE:	
FLOW OF TRAFFIC	DIRECTIONAL INDICATOR BARRICADE W/STEADY BURN LIGHT	(A) 4 INCH, WHITE SOLID	(B) 4 INCH, WHITE 6'-2' SKIP-LINE
TYPE III BARRICADE	TEMPORARY CONCRETE BARRIER W/BARRIER WALL REFLECTOR, TYPE C	(C) 4 INCH, YELLOW SOLID	(D) 5 INCH, WHITE 30'-10' SKIP-LINE
ARROW BOARD	MOVABLE TRAFFIC BARRIER W/BARRIER WALL REFLECTOR	(F) PAVEMENT MARKING REMOVAL - WATER BLASTING	
	SIGN ON PERMANENT OR TEMPORARY SUPPORT		

0 50 100 150
SCALE IN FEET

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-staging-Stage 2A.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUGGESTED MAINTENANCE OF TRAFFIC STAGE PLAN STAGE IIC WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - JJD	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED - AB	REVISED -		
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 289+00 TO STA. 301+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	33
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

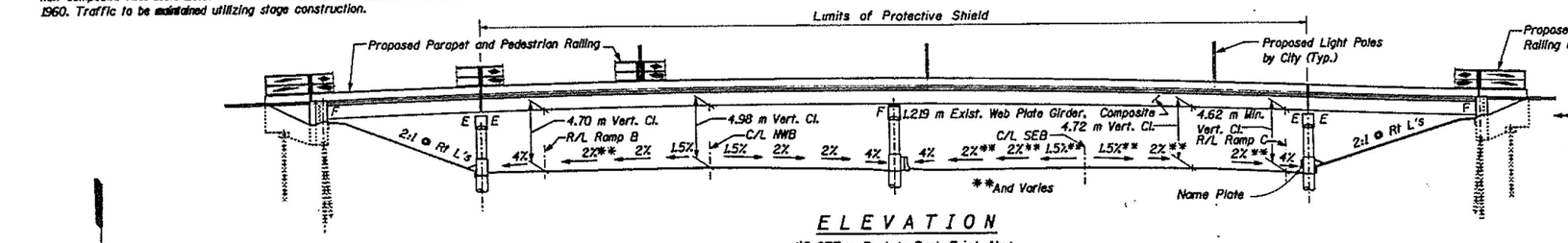
ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 90/94	*	COOK	41	21
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 0303-476 HB-BR

FOR INFORMATION ONLY

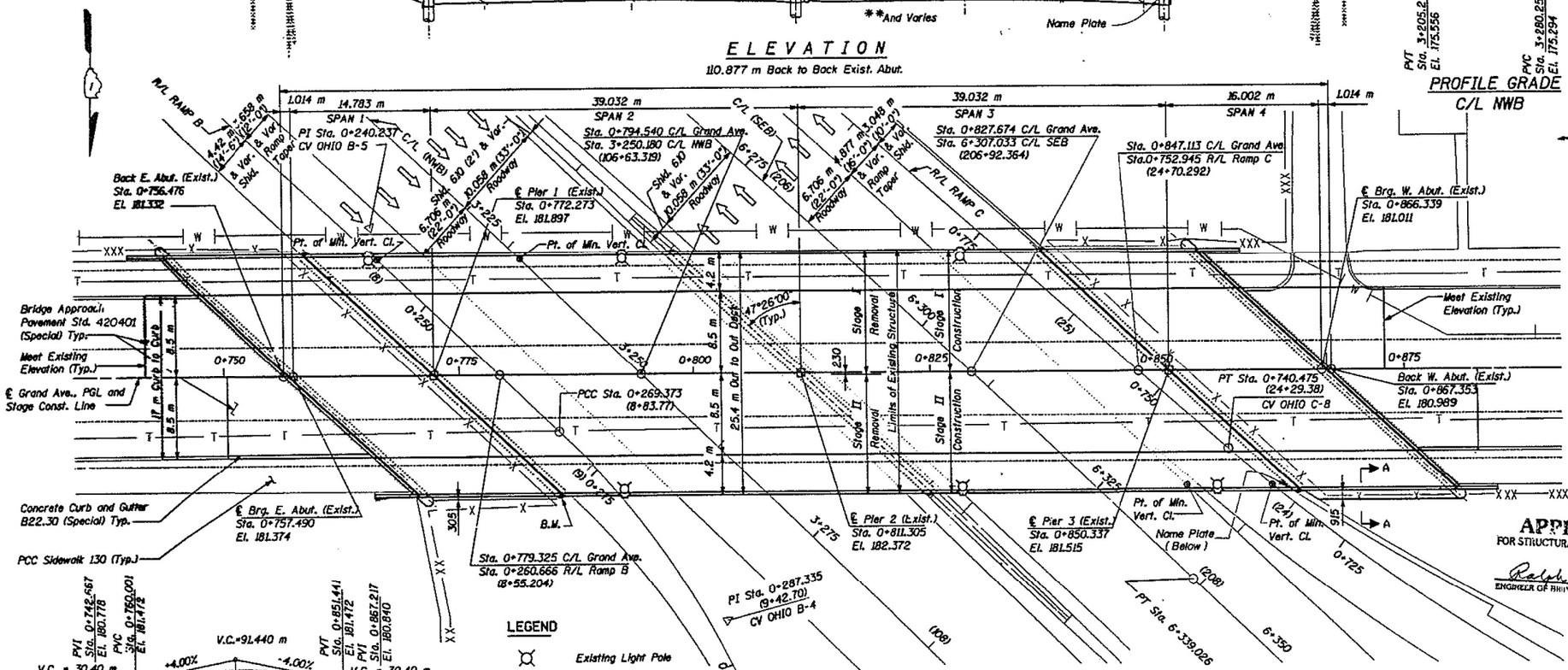
Bench Mark: Square cut N.W. corner of Pier 1 crashwall of Grand Ave. bridge over N.W.B. J.F.K. Elev.= 176.284 m

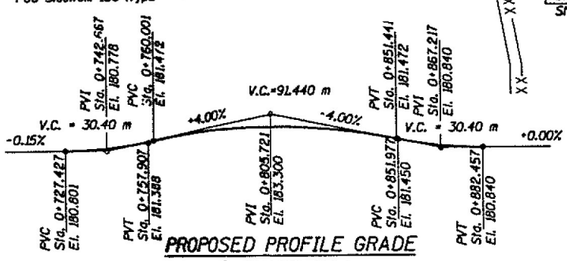
Existing Structure: S.N. 016-2048, two continuous interior spans, simply supported end spans, welded steel plate girder with non-composite R.C. deck. 110.877 m bact to back abut.. 25.376 m wide. Built as F.A.I. Route 94, Section 0303-476HB, HF in 1960. Traffic to be maintained utilizing stage construction.



ELEVATION

110.877 m Back to Back Exist. Abut.





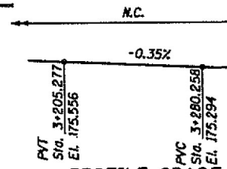
PROPOSED PROFILE GRADE

℄ GRAND AVE.

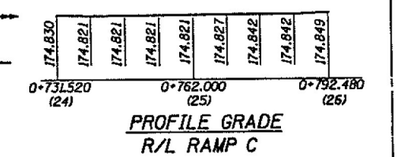
(40 mm Raise)

CURVE	OHIO B-4	OHIO B-5	NWB-1	SEB-1	OHIO C-8
Δ	23°-16'-59.8"	1°-08'-52.6"	4°-04'-00.5"	2°-04'-00.0"	46°-53'-49.6"
D	20°-02'-00.5"	0°-35'-01.6"	0°-35'-53.9"	0°-40'-00.0"	8°-30'-00.0"
R	87.174	2908.501	2918.864	2619.593	205.456
T	17.959	29.137	103.630	47.248	89.115
L	35.424	58.272	207.178	94.486	168.169
E	1.829	0.143	1.838	0.424	18.492
P.C. STA.	0+269.373	0+211.104	3+146.163	6+244.614	0+572.318
P.I. STA.	0+287.335	0+240.237	3+249.796	6+291.862	0+661.433
P.T. STA.	0+304.804	0+269.376	3+353.341	6+339.026	0+740.475

PROFILE GRADE C/L NWB



PROFILE GRADE R/L RAMP C



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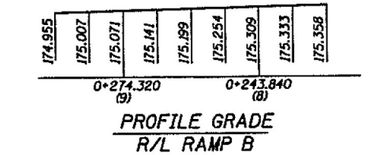
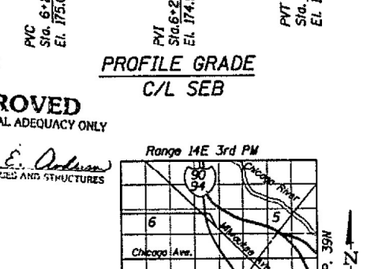


PROFILE GRADE C/L SEB



PLAN

NOTES:

1. Stations and dimensions in parenthesis ( ) are in feet units
2. For index of drawings, general notes and total bill of materials, See Dwg No. G-2
3. For Sec. A-A, See Dwg. No. G-2

DESIGN STRESSES

f'c = 24 MPa
fy = 400 MPa (Reinf.)
fs = 125 MPa (Existing Structural Steel)

DESIGN SPECIFICATIONS

1992 AASHTO, with 1993, 1994 & 1995 interim specifications

LOADING MS18

Allow 1.2 kN/m² for future wearing surface

SEISMIC DATA

Seismic Performance Category (SPC) =A
Bedrock Acceleration Coefficient (A)=0.038g
Site Coefficient (S) = 1.2

APPROVED

FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

Proposed Rehabilitated Structure

LOCATION SKETCH

STATE OF ILLINOIS
EFREN M. MIRANDA
81-3957
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER
EXP. 11-30-98

STATION 0+811.305
REBUILT 19 BY
STATE OF ILLINOIS
F.A.I. RT. 90/94 SEC. 0303-476HB-BR
F. A. PROJ. ACIM-94-3(3K)S0
LOADING MS18
STR. NO. 016-2048

Remount existing name plates adjacent to new name plate. Cost is included in pay item Name Plates. See Dwg. No. G-2.

NAME PLATE

See Std. 515001

Nakawatase, Wyns and Associates, Inc.

NO.	DATE	REVISION	BY

KENNEDY RECONSTRUCTION PROJECT
ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVENUE OVER KENNEDY EXPRESSWAY

GENERAL PLAN

F.A.I. 90/94 SECTION 0303-476HB-BR SN 016-2048 COOK COUNTY STA. 0+811.305

DE LEUW, CATHER & COMPANY
ENGINEERS AND PLANNERS

DATE	1/31/97
JOB NO.	
DESIGNED	RCE
DRAWN	JW
CHECKED	EMM
APPROVED—	
SCALE	
DRAWING NO.	G-1

DeLEUW CATHER

Accurate GROUP, INC.

USER NAME = Jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2048)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 1 OF 5 SHEETS | STA. | TO STA.

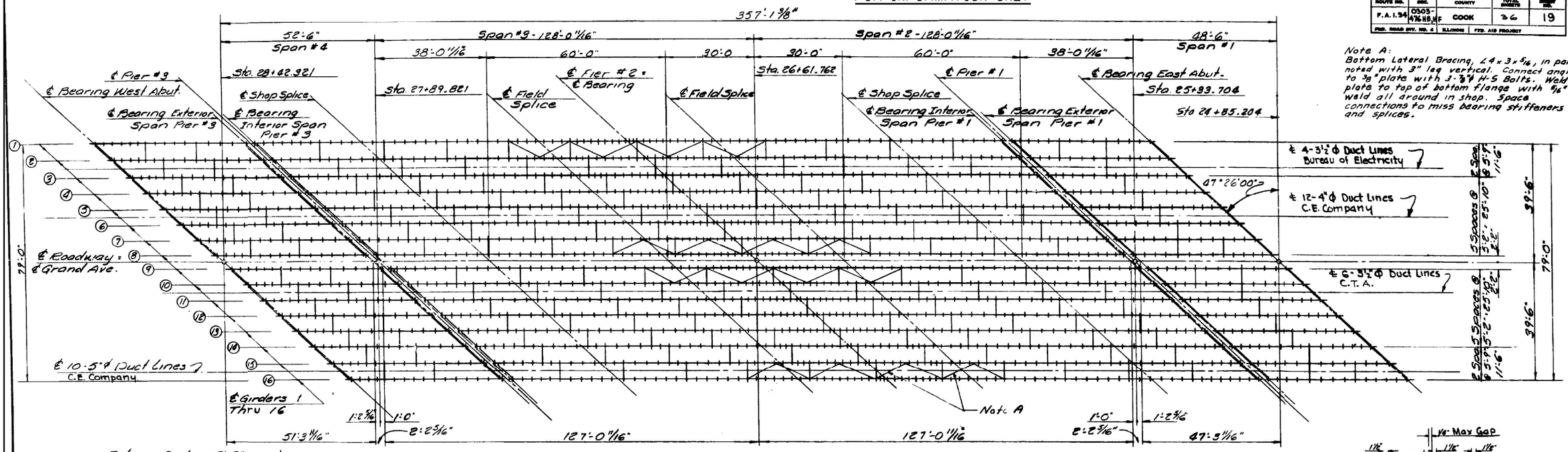
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	34
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

MODEL: Default
FILE NAME: O:\Engineering\Live Projects\2000s\IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1620424-SHT - 2048 EXISTING BRIDGE PLAN 01.dgn

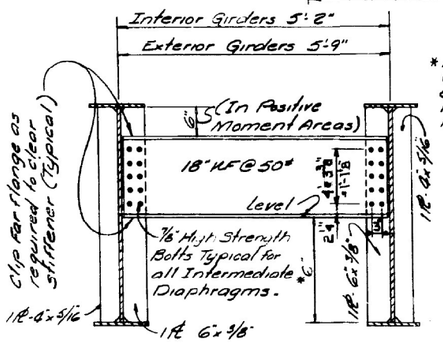
FOR INFORMATION ONLY

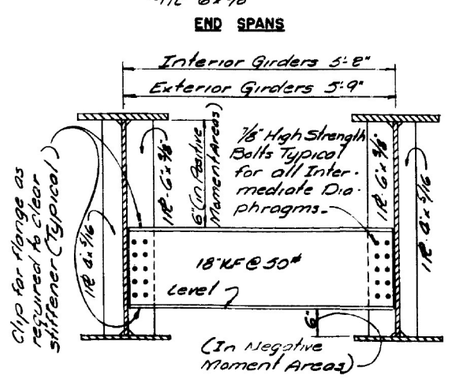
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 94	0905-476 HB, HF	COOK	36	19
FED. ROAD DIV. NO. 6	ILLINOIS	FED. AID PROJECT		

Note A:
Bottom Lateral Bracing, L 4 x 3 x 5/16, in panels noted with 3" leg vertical. Connect angles to 3/8" plate with 3-3/4" H.S Bolts. Weld plate to top of bottom flange with 5/16" weld all around in shop. Space connections to miss bearing stiffeners and splices.

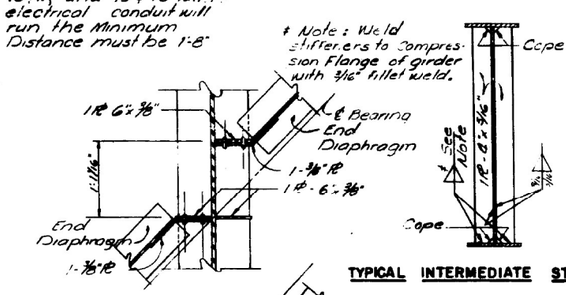


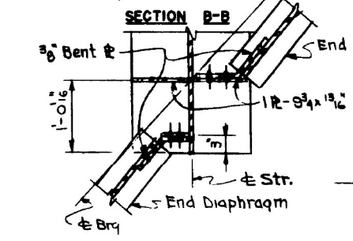
FRAMING PLAN

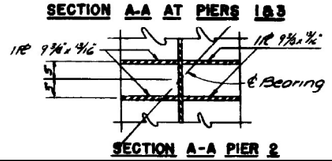




* Between girders 2 & 3, 5 & 6, 10 & 11, and 15 & 16 where electrical conduit will run, the Minimum Distance must be 1'-8"

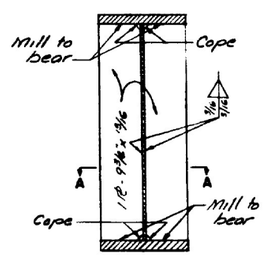




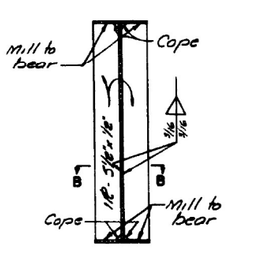


SECTION A-A PIER 2

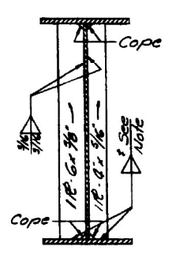
TYPICAL INTERMEDIATE STIFFENER



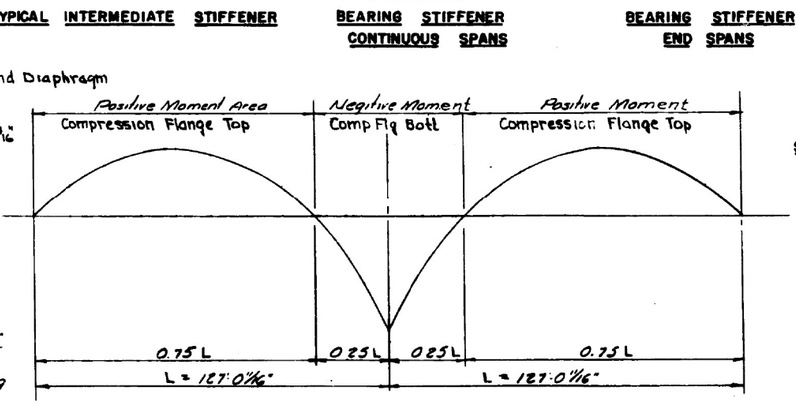
BEARING STIFFENER CONTINUOUS SPANS



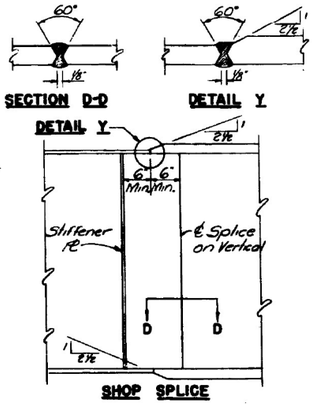
BEARING STIFFENER END SPANS

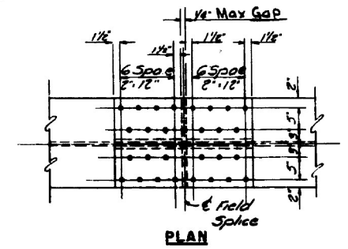


TYPICAL DIAPHRAGM STIFFENER

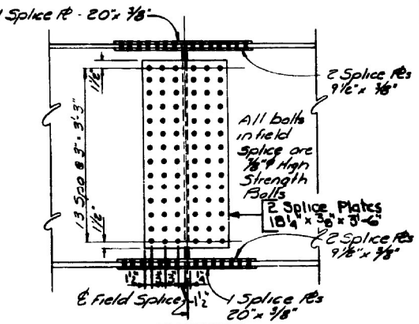


VERTICAL LOCATION OF DIAPHRAGM





PLAN



ELEVATION

FIELD SPLICE

ILLINOIS DIVISION OF HIGHWAYS
NORTHWEST EXPRESSWAY
ERIE STREET INTERCHANGE
GRAND AVENUE GRADE SEPARATION
FRAMING PLAN

SCALE: NONE DATE: JULY, 1959

MODEL: Default
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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

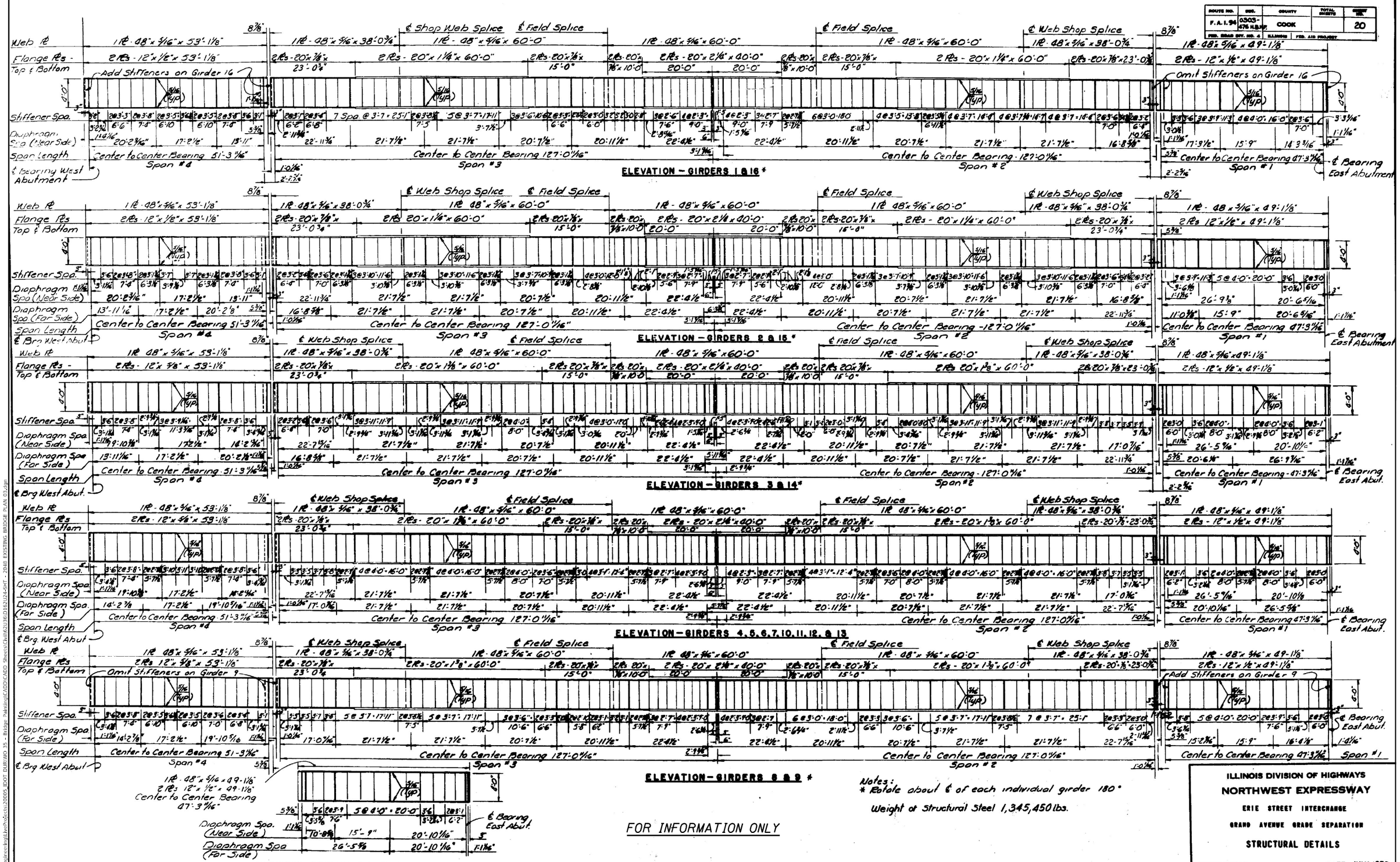
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2048)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	35
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 94	0303-476 H.B.K.P.	COOK		20
FED. ROAD DIV. NO. 4	ILLINOIS	FED. AID PROJECT		



Notes:
* Rotate about ℄ of each individual girder 180°

Weight of Structural Steel 1,345,450 lbs.

FOR INFORMATION ONLY

ILLINOIS DIVISION OF HIGHWAYS
NORTHWEST EXPRESSWAY
ERIE STREET INTERCHANGE
GRAND AVENUE GRADE SEPARATION
STRUCTURAL DETAILS

SCALE: NONE DATE: JULY 1959

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Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -
		DRAWN - ME	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

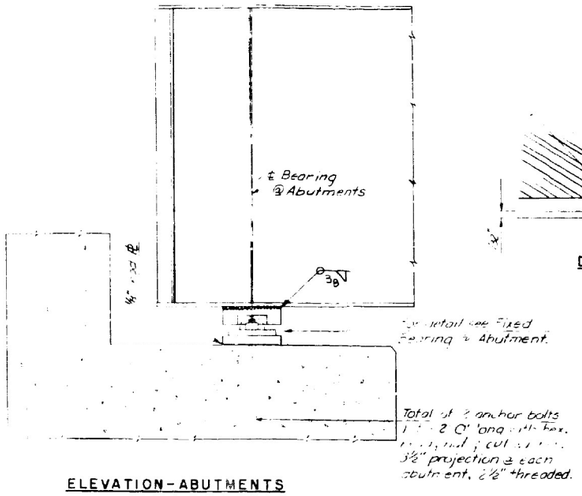
EXISTING BRIDGE PLANS (SN 016-2048)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 3 OF 5 SHEETS | STA. | TO STA.

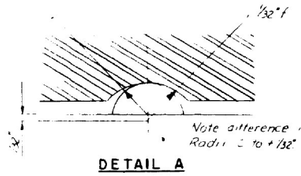
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	36
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. 94	0303-476MB-HF	COOK		21

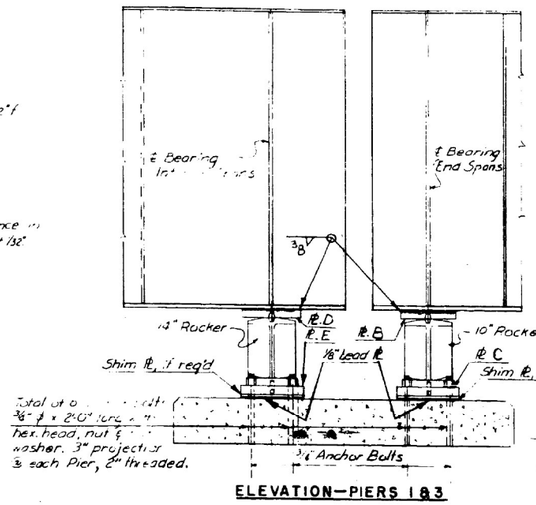
FED. ROAD DIV. NO. 4 | ILLINOIS | FED. AID PROJECT



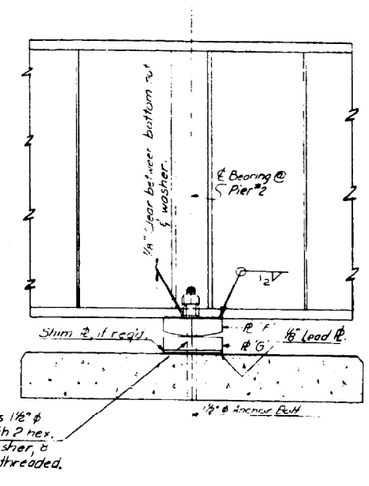
ELEVATION-ABUTMENTS



DETAIL A



ELEVATION-PIERS 1 & 3



ELEVATION-PIER 2

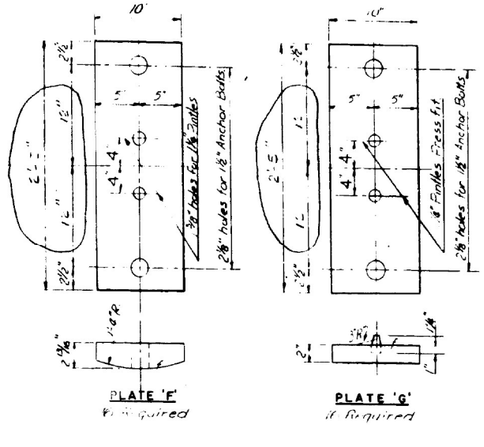
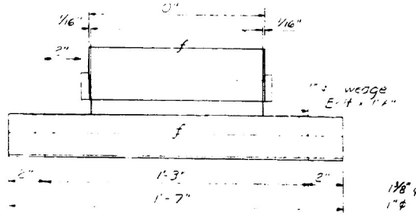
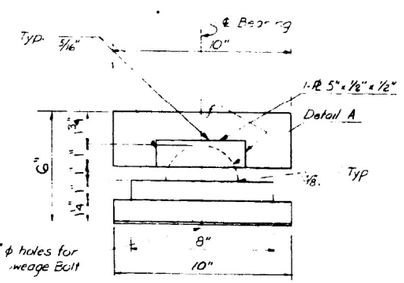


PLATE 'F' if required

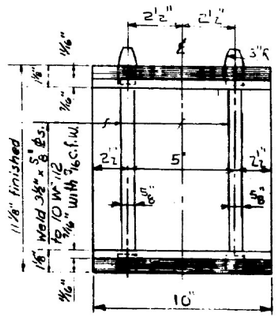
PLATE 'G' if Required

FIXED BEARING-PIER 2

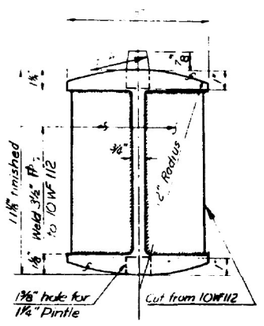




FIXED BEARING-ABUTMENTS
32 Required

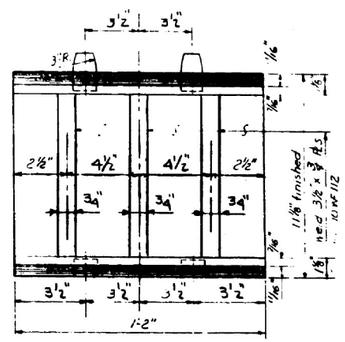


END SPANS-PIERS 1 & 3
32 Required



END ELEVATION

ROCKERS



INTERIOR SPANS-PIERS 1 & 3
32 Required

TABLE OF BEARING SHIMS

Location Girder	Pier 1 End Span	Pier 1 Int Span	Pier 3 Int Span	Pier 3 End Span	Pier 2
1	0	3/16"	5/16"	0	0
2	0	1/4"	3/8"	0	0
3	5/8"	7/8"	9/16"	0	0
4	5/8"	1 1/16"	9/16"	0	0
5	0	5/16"	5/8"	0	0
6	0	3/8"	5/8"	0	0
7	0	7/16"	11/16"	0	0
8	0	7/16"	11/16"	0	0
9	0	1/2"	11/16"	0	5/16
10	0	1/2"	11/16"	0	1/16
11	0	9/16"	11/16"	0	0
12	0	9/16"	11/16"	0	0
13	0	9/16"	5/8"	0	0
14	0	9/16"	5/8"	0	7/16
15	0	5/8"	1/2"	0	7/16
16	0	5/8"	7/16"	0	0

No Shims at Abutments

NOTES

All surfaces marked f shall be finished in accordance with Section 55.4 of the Standard Specifications.

'B' thick lead plate shall be placed under each bearing plate. The lead plate shall be of the same dimensions as the plate under which it is placed

All anchor bolts to be set in drilled holes and grouted in. All anchor bolts to be [illegible] edged.

Weight of anchor bolts, bearing plates, rockers and lead plates is included in the weight of structural steel.

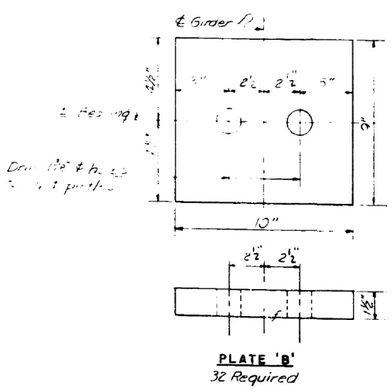


PLATE 'B'
32 Required

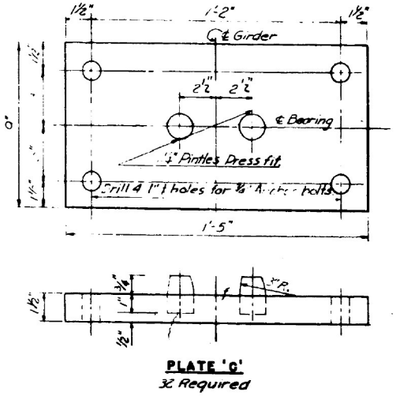


PLATE 'C'
32 Required

END SPANS-PIERS 1 & 3

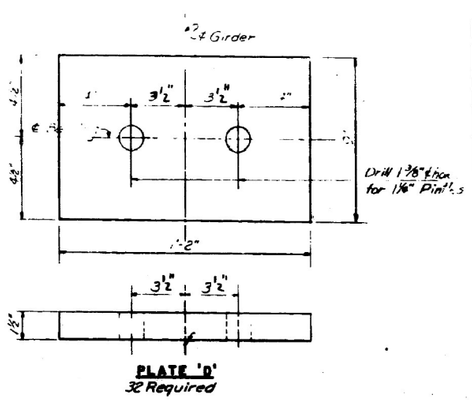


PLATE 'D'
32 Required

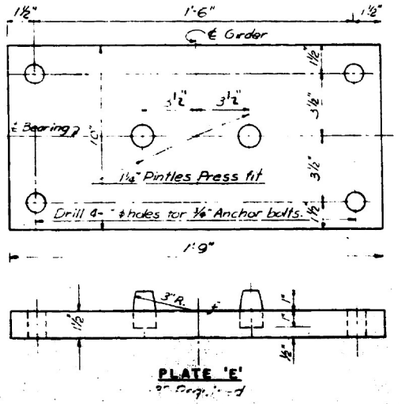


PLATE 'E'
as Required

INTERIOR SPANS-PIERS 1 & 3

FOR INFORMATION ONLY

ILLINOIS DIVISION OF HIGHWAYS
NORTHWEST EXPRESSWAY
ERIE STREET INTERCHANGE
GRAND AVENUE GRADE SEPARATION
BEARING DETAILS

SCALE: NONE DATE: JULY 1959

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\GW\62U36\D162U24-SHT - 2048 EXISTING BRIDGE PLAN 04.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

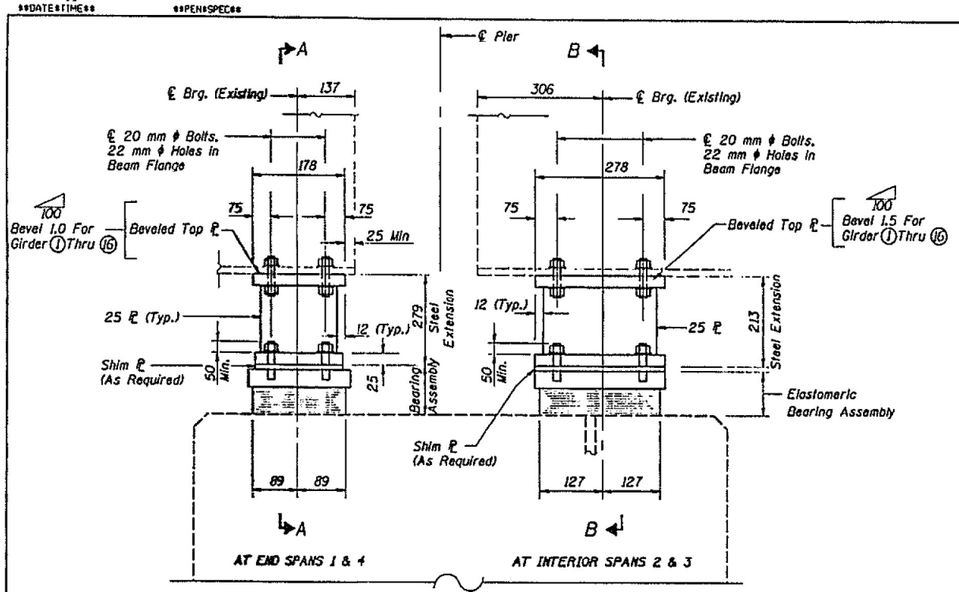
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2048)
WB I-94 BRIDGE PAINTING & LIGHTING

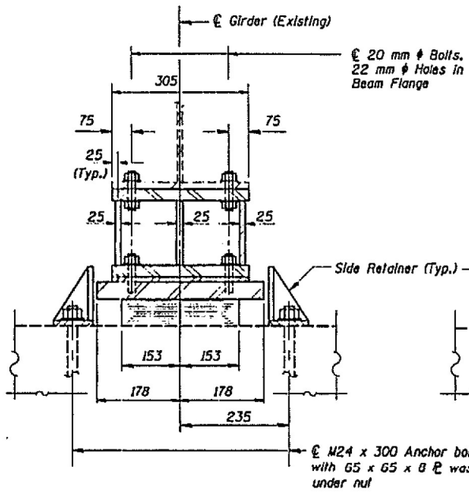
SCALE: NONE | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	37
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

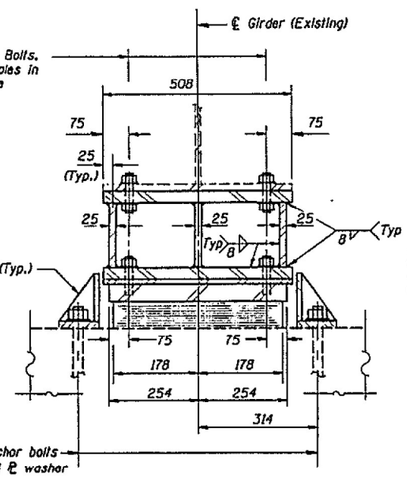
DATE&TIME **PEN&SPEC**



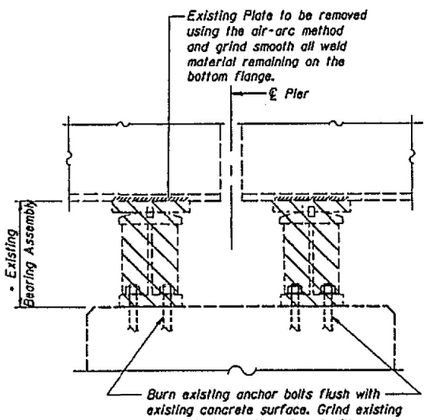
ELEVATION AT (PIERS 1 & 3)



SECTION A-A



SECTION B-B



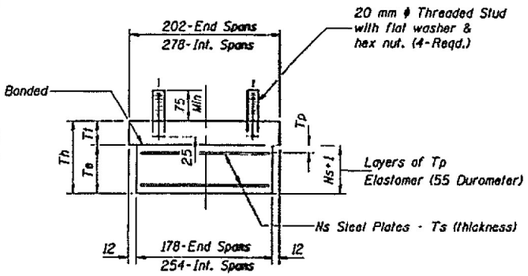
JACK AND REMOVE BEARING, PROCEDURE

1. The Contractor shall submit for approval by the engineer, plans for jacking & cribbing prior to commencing any work on the bearings.
2. Jacking and removing existing bearings, including top and bottom plates and lead plates, shall be done after deck removal is completed and before the new deck is poured.
3. All Westbound or Eastbound Girders at Piers 1 or 3 shall be lifted simultaneously in stages.
4. Jacking shall be limited to a maximum of 3 mm lift to remove the existing bearing assembly, utilizing a jack or series of jacks. The maximum dead load reaction at each girder with the deck removed is 45 kN at End Spans and 75 kN at Int. Spans of Piers 1 & 3. The minimum jack capacity for each girder is 90 kN at End Spans and 150 kN at Int. Spans of Piers 1 & 3.
5. Remove the existing anchor bolts flush with the concrete surface and grind smooth. The roller bottom plates and top plates shall be removed. The bottom flange area of the girder and existing top plate shall be cleaned and painted as specified for structural steel.
6. The new bearings shall be in place and the jacks shall be lowered before the new deck is poured.
7. Jacking shall be from Piers. Jacking or Cribbing from the shoulders of FAI 90/94 is not allowed.

TYPE I ELASTOMERIC EXP. BRG.

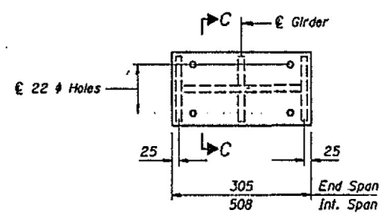
ELASTOMERIC BEARING DATA

Span / Pier	Hs	Th	Te	Tp	Ts	Tt
1 / 1	2	83	35	10	2.5	48
2 or 1 / 1 or 3	6	149	95	11	1	54
4 / 3	2	83	35	10	2.5	48

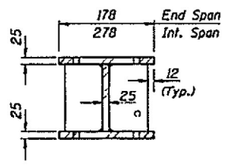


BEARING ASSEMBLY

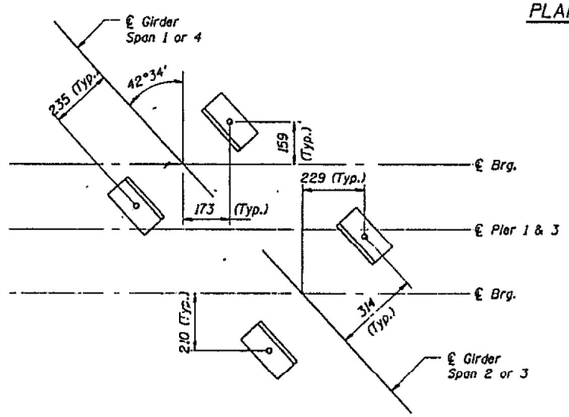
Note: Shim plates shall not be placed under Bearing Assembly.



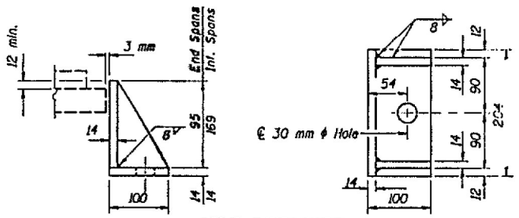
PLAN STEEL EXTENSION



SECTION C-C



ANCHOR BOLT LAYOUT



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel. **

FOR INFORMATION ONLY

Notes :

1. All Structural Steel shall be AASHTO M270 - Grade 250.
2. All dimensions are in millimeters (mm) except as noted.
3. Prior to ordering any material, the Contractor shall verify in the field all bearing heights and shim thickness dimensions.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	64
Jack and Remove Existing Bearings	Each	64
F & E Structural Steel **	kg	5330

** Item includes furnishing and installing of Steel Bolsters, Side Retainers, Bolts, Washers & Shim Plates.

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 90/94	*	COOK	41	32
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

* 0303-476HB-BR

NO.	DATE	REVISION	BY

KENNEDY RECONSTRUCTION PROJECT
ILLINOIS DEPARTMENT OF TRANSPORTATION
GRAND AVENUE OVER KENNEDY EXPRESSWAY
ELASTOMERIC BEARING ASSEMBLIES
F.A.I. 90/94 SECTION 0303-476HB-BR SN 016-2048 COOK COUNTY STA. 0+811.305
DE LEUW, CATHER & COMPANY
ENGINEERS AND PLANNERS

DATE	1/31/97
JOB NO.	
DESIGNED	RCE
DRAWN	JN
CHECKED	EMM
APPROVED	
SCALE	
DRAWING NO.	G-12

Nakawatase, Wyns and Associates, Inc.

DeLEUW CATHER

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2048)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	38
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

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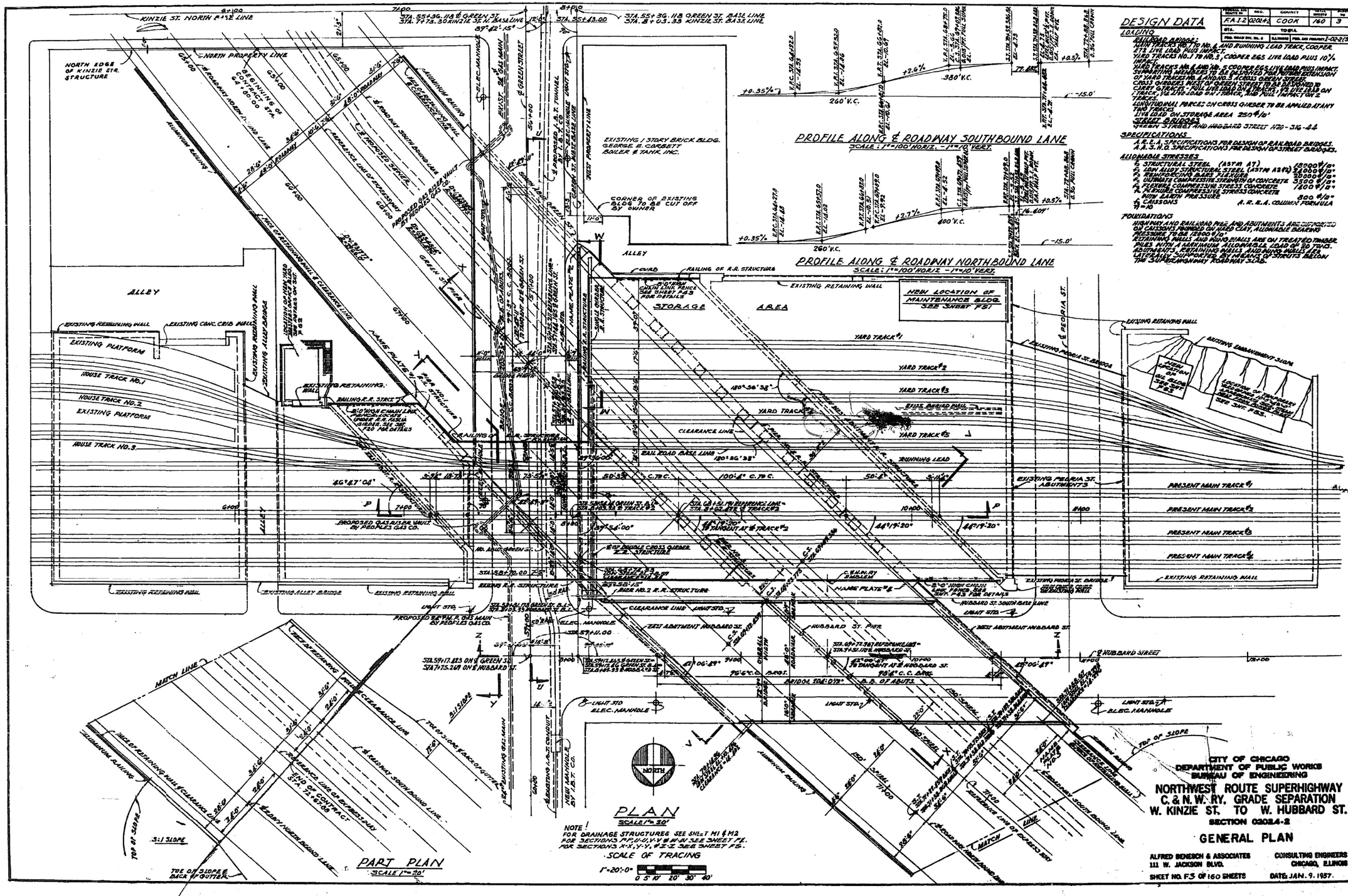
FOR INFORMATION ONLY



Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (SN 016-2050 AND SN 016-0136) WB I-94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE. 94	SECTION FAI 94 22 BRIDGE PAINTING	COUNTY COOK	TOTAL SHEETS 119 / SHEET NO. 39
		DRAWN - ME	REVISED -						
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -					CONTRACT NO. 62U36	
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE / SHEET 1 OF 8 SHEETS / STA. TO STA.			ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\2000S IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2020 EXISTING BRIDGE PLAN 01.dgn

FEDERAL AID ROUTE NO.	SECT.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 94	22B1+2	COOK	160	114
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILL. ROUTE	FED. AID PROJECT NHPP-EHG7(288)		

FOR INFORMATION ONLY

ELEVATION

FRAMING PLAN

GIRDER DATA (ALL GIRDERS)

SCALES OF TRACING

GIRDER ELEVATIONS & SHIM PL DIMENSIONS

ALL ELEVATIONS ARE GIVEN TO THE BACK OF TOP FLANGE PL.

LOCATION / GIRDER NO.	1	2	3	4	5	6	7	8	9	10
℄ BRGS N. ABUT.	12.776	12.766	12.767	12.779	12.803	12.868	12.976	13.198	13.494	13.906
℄ BRGS 6 PIER	12.499	12.488	12.493	12.519	12.591	12.697	12.866	13.118	13.450	13.886
℄ BRGS. S. ABUT.	11.591	11.589	11.598	11.629	11.707	11.835	12.043	12.330	12.699	13.160
5" DIAM. @ N. ABUT.	–	4"	–	–	–	–	–	–	13/16"	5"
5" DIAM. @ PIER	–	–	–	–	–	–	–	–	–	6 3/8"
5" DIAM. @ S. ABUT.	–	–	–	–	–	–	–	–	–	7 3/8"

GIRDERS SHALL BE FABRICATED TO FOLLOW CURVATURE OF VERTICAL CURVE OF ROADWAY. DEAD LOAD DEFLECTION OF GIRDERS SHALL BE TAKEN UP WITH CONCRETE FILLETS.

SECTION 'F-F'

NOTE- THE SPACING OF STIFFENERS FOR GIRDERS 6, 7, 8 & 9 IS IDENTICAL TO 1, 2, 3, 4 & 5 RESPECTIVELY

SHEAR CONNECTOR DETAILS

SCALE: 1" = 1'-0"

PINTLE DETAIL

SECTION 'A-A'

SKEW FRAMES X1, X2 & X3

SECTION 'E-E'

SCALE: 3/4" = 1'-0"

SWAY FRAME X5

SCALE: 3/4" = 1'-0"

SPLICE DETAIL FOR OUTSIDE GIRDERS

SPLICE DETAILS FOR INTER. GIRDERS

SECTION 'D-D'

SECTION 'B-B'

SECTION 'C-C'

PLAN OF COVER PLS.

SECTION 'G-G'

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
C. & N. W. RY. GRADE SEPARATION
W. KINZIE ST. TO W. HUBBARD ST.
SECTION 0902A-2
GREEN ST. BRIDGE
STRUCTURAL STEEL PLANS & DETAILS

ALFRED BENESCH & ASSOCIATES
CONSULTING ENGINEERS
111 W. JACKSON BLVD.
CHICAGO, ILLINOIS

SHEET NO. 37 OF 160 SHEETS
DATE: JAN 9 - 1987

MODEL: Default
FILE NAME: C:\Efile\Incoming\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\02138\02138224-SHT - 2020 EXISTING BRIDGE PLAN 02.dgn

Accurate GROUP, INC.

USER NAME = Jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-0136)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 4 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	40
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

FEDERAL AID PROJECT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 94 (I-94)		COOK	160	113
STA.	TO STA.			
FED. ROAD DIST. NO. 8	ILLINOIS	FED. AID PROJECT		

NOTE:
BARS MARKED "SEE NOTE" SHALL BE ORDERED FULL LENGTH & CUT IN FIELD TO FIT SKEW REMAINDER SHALL BE USED AT OPPOSITE END.

NOTE:
BARS MARKED "SEE NOTE" SHALL BE ORDERED FULL LENGTH & CUT IN FIELD TO FIT SKEW REMAINDER SHALL BE USED AT OPPOSITE END.

NOTE:
BARS & BARS TO BE CUT TO A STRAIGHT LINE AT ANGLE TO BE LAPPED AT ABUT. TO BE LAPPED 40 DIAM. TO 22'-0" ENDS OF BARS & BRG. & 6" FROM NOTCH TO ABUT. FACE. WIDTH OF BRICK AS SHOWN.

REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"

EAST SIDEWALK LOOKING SOUTH
SCALE 3/4" = 1'-0"

COPPER SEAL DETAIL

NOTE:
COPPER SEAL SHALL BE PERFORATED AND SHALL BE 16 OZ. COLD ROLLED ANNEALED COPPER. SPLICES SHALL BE SOLDERED OR BRAZED. THE COST OF FURNISHING AND INSTALLING COPPER SEAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "X" CONCRETE.

CROSS SECTION LOOKING NORTH

DETAIL OF JOINT AT ℄ OF BRIDGE

SWAY FRAME X4
WEST SIDEWALK LOOKING SOUTH

DIAGRAM OF SWAY FRAMES X4, X5 & X6
SCALE 3/8" = 1'-0"

NOTES:
ABOVE DIMENSIONS ARE FROM ℄ OF PLUG TO THE ℄ OF SWAY FRAME EX. SEE SHEET 57 FOR DETAIL OF SWAY FRAMES X5.

FOR DETAILS OF LAMP STANDARDS & DUCT CONDUIT HANGER, 2" ℄ GALV. STEEL CORD, HANGER SEE SHEET 53

DEAD LOAD DEFLECTION DIAGRAM
FOR SCALE 1"=10'-0"

NOTE:
DEAD LOAD DEFLECTIONS ARE SHOWN ON GRAPH FOR GIRDERS 3, 4, 7, 8 & 9. FOR OTHER GIRDERS OBTAIN DEFLECTION BY MULTIPLYING VALUE FROM GRAPH BY THE FOLLOWING:
FOR GIRDERS 1 & 10 — 1.25
FOR GIRDERS 2 & 6 — 0.88

SCALES OF TRACING
8'-1"=1'-0"
5'-1"=1'-0"

ITEM	DESCRIPTION	UNIT	QUANTITY
30	CLASS X CONCR.	CU. YDS.	847.5
31	REINF. BARS	LBS.	72454

KENNEDY
016-0136
GREEN ST./
KENNEDY

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
C. & N. W. RY. GRADE SEPARATION
W. KINZIE ST. TO W. HUBBARD ST.
SECTION 060B4-2

GREEN ST. BRIDGE
DECK REINFORCEMENT PLAN

ALFRED BENESCH & ASSOCIATES — CONSULTING ENGINEERS
111 W. JACKSON BLVD. — CHICAGO, ILLINOIS

SHEET NO. 15 OF 160 SHEETS — DATE: JAN. 9, 1957

MODEL: DeGault
FILE NAME: Q:\Engineering\Layouts\2005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36D162U24SHT - 2020 EXISTING BRIDGE PLAN 03.dgn

Accurate GROUP, INC.

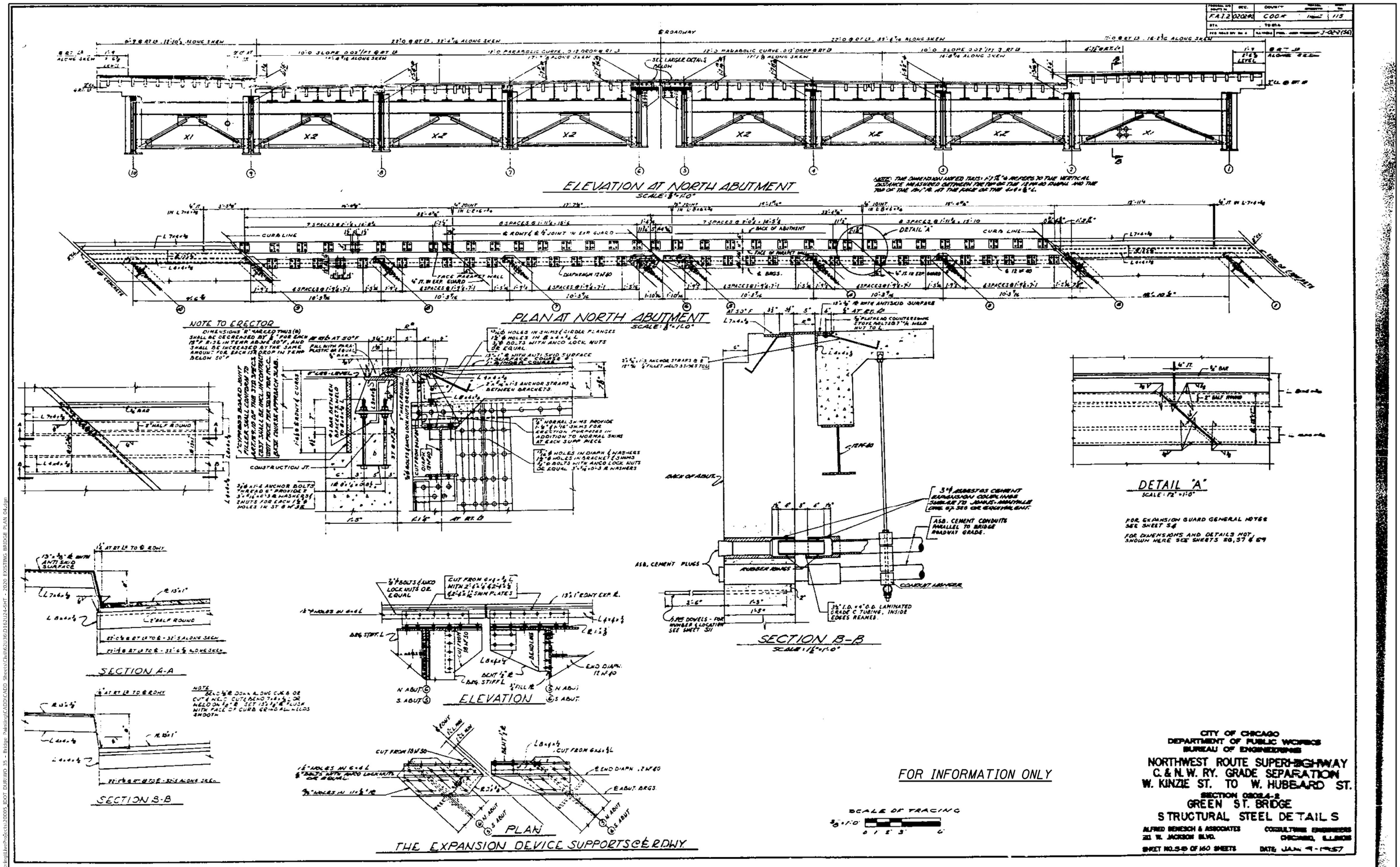
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-0136)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 5 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	41
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (SN 016-0136) WB I-94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE. 94	SECTION FAI 94 22 BRIDGE PAINTING	COUNTY COOK	TOTAL SHEETS 119 / SHEET NO. 42
		DRAWN - ME	REVISED -					CONTRACT NO. 62U36	
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -						
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE / SHEET 6 OF 8 SHEETS / STA. TO STA.		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2020 EXISTING BRIDGE PLAN 04.dgn

FOR INFORMATION ONLY

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 2	0208.2	COOK	160	4
STA.		TO STA.		
F.A.I. ROUTE NO. 94	ILLINOIS	FED. AID PROJECT I-02-2(56)		

DIM. VARIES. @ ℄ TR. №2 = 18'-7 3/8"
73'-7 5/8"
DIM. VARIES @ ℄ TRACK №2 = 50'-3 5/8"
100'-4"
DIM. VARIES @ ℄ TR. №2 = 50'-4"
AVERAGE B/R ELEV. AT ℄ TR. №2 = 134.91
B/R ELEV. = 84.78 AT ℄ GREEN ST.
2'-0 3/8" B/R TO TOP OF FL. ℄
PIER
PIER
PIER
ABUT.
AVERAGE B/R ELEV. AT ℄ TR. №2 = 82.87.12
GRADE 0.007 % UP
72" ℄ GIRDER
72" ℄ GIRDER
66" ℄ GIRDER
36" WF GIRDERS
36" WF GIRDERS
SPAN №1
SPAN №2
SPAN №3
SPAN №4
SPAN №5
WEST R.R. ABUT.
R.R. EAST ABUT.
R.R. PIER №1
R.R. PIER №3
R.R. PIER №4
11'-0"
22'-0"
22'-0" ROADWAY
22'-0"
7'-6" 1/2
6'-9"
℄ GREEN ST.
7" SLAB
54" ℄ GIRDERS
℄ 126.45
℄ 128" DOUBLE ℄ GIRDER (LOW ALLOY STRUCTURAL STEEL)
10.5'
7.5'
18'
7.5"
45'
45'-0" ROADWAY
45'-0" ROADWAY
℄ NORTHBOUND ROADWAY
℄ SOUTHBOUND ROADWAY
PAVEMENT BY OTHERS
PAVEMENT BY OTHERS
7.25
6.5
4.25
C.C.D. EL. ±0.0
C.C.D. EL. ±0.0
CAISSON
GREEN ST. ABUT. (NORTH)
STRUTS AT CAISSONS
STRUTS AT CAISSONS
STRUTS AT CAISSONS
STRUTS AT CAISSONS
STRUTS AT CAISSONS
CAISSONS
CAISSONS
COUNTERFORTS AT CAISSONS
COUNTERFORTS AT CAISSONS
COUNTERFORTS AT CAISSONS
COUNTERFORTS AT CAISSONS
ELEVATION VARIES 82.8K-82.6 AT 18W POINT
PROPOSED I.B.T. CONDUIT TRAVEL BY OTHERS
PROPOSED MAIN DRAIN SEWER BY OTHERS

LONGITUDINAL SECTION "P-P" ALONG CENTER LINE OF MAIN TRACK №2

108'-10 3/8"
5'-10 3/8"
12'-3"
15'-0"
18'-0"
18'-0"
14'-0"
10'-0"
9'-9 3/4"
TOP FLOOR PLATE ELEV. 82.39
72" ℄ GIRDERS
72" SINGLE ℄ GIRDER (LOW ALLOY STRUCTURAL STEEL)
PIN CONNECTION
108" PLATE GIRDER
128" DOUBLE ℄ GIRDER (LOW ALLOY STRUCTURAL STEEL)
108" PLATE GIRDER
R.R. PIER №4
ELEVATION OF R.R. CROSS-GIRDER
℄ PIER
R.R. PIER №3
℄ BRG. ELEV. 18.13
R.R. PIER №2
ELEV. 12.30
℄ BRG.
54" ℄ GIRDER
54" ℄ GIRDER
99'-3"
75'-2"
GREEN ST. ABUT. (SOUTH)
GREEN ST. PIER
(NORTH) GREEN ST. ABUT.
C.C.D. EL. ±0.0
C.C.D. EL. ±0.0
COUNTERFORTS AT CAISSONS
COUNTERFORTS @ CAISSONS (CAISSONS & STRUTS NOT SHOWN)
22'-0" ROADWAY
℄ SOUTHBOUND ROADWAY
PAVEMENT BY OTHERS
43'-0" ROADWAY
℄ NORTHBOUND ROADWAY
PAVEMENT BY OTHERS
STRUTS AT CAISSONS
STRUTS AT CAISSONS
CAISSONS
CAISSONS

LONGITUDINAL SECTION "U-U" ALONG CENTERLINE OF GREEN ST.

(SHOWING SECTION THRU GREEN ST. BRIDGE & ELEVATION OF R.R. CROSS-GIRDER)

75'-0"
17'-0"
39'-0"
11'-9 1/2"
12 NO. TEMP. #5
℄ 8 NO. TEMP. #6
℄ 8 NO. TEMP. #7
EL. 34.07
96" DOUBLE ℄ GIRDER
PIER
℄ 98" SINGLE ℄ GIRDER (LOW ALLOY STRUCTURAL STEEL)
90" TORCH GIRDER
PIN CONNECTION
66" GIRDERS
66" GIRDERS
TOP OF FLOOR ℄ EL. 34.07
CAISSON
WEST R.R. ABUT.
COUNTERFORTS AT CAISSONS
COUNTERFORTS AT CAISSONS
R.R. PIER №4
EL. 110.80
30'-0"
OUTLINE OF EXCAVATION
1:1
C.C.D. EL. ±0.0
CAISSONS
STRUTS AT CAISSONS

SECTION W-W THRU SPAN №4 AT SINGLE CROSS GIRDER

SCALE: 1/8" = 1'-0"

COUNTERFORTS AT CAISSONS
C.C.D. EL. ±0.0
HUBBARD ST. EAST ABUT
HUBBARD ST. PIER
28'-0"
28'-0"
28'-0"
28'-0"
PAVEMENT BY OTHERS
℄ NORTHBOUND ROADWAY
PAVEMENT BY OTHERS
℄ SOUTHBOUND ROADWAY
STRUTS AT CAISSONS
CAISSON
STRUTS AT CAISSONS
CAISSONS

SECTION "V-V" THRU SUBSTRUCTURE AT RIGHT ANGLES TO SUPERHIGHWAY

NOTE: FOR LOCATION OF SECTION W-W SEE SHEET F.B. FOR LOCATION OF OTHER SECTIONS SEE SHEET F.G.

SCALE OF TRACING
1/8"=1'-0"
0 2' 4' 8' 16'

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
C. & N. W. RY. GRADE SEPARATION
W. KINZIE ST. TO W. HUBBARD ST.

SECTION 0208.4-2

CROSS SECTIONS & ELEVATIONS

ALFRED BENESCH & ASSOCIATES
111 W. JACKSON BLVD.
CONSULTING ENGINEERS
CHICAGO ILLINOIS

SHEET NO. F.A. OF 160 SHEETS
DATE: JAN. 9, 1957.

MODEL: Default
FILE NAME: G:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2020 EXISTING BRIDGE PLAN 05.dgn

Accurate GROUP, INC.

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	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-0136)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	43
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI-I-2	0282A-2	COOK	160	5
STA.		TO STA.		
FED. ROAD DIST. NO. 6	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

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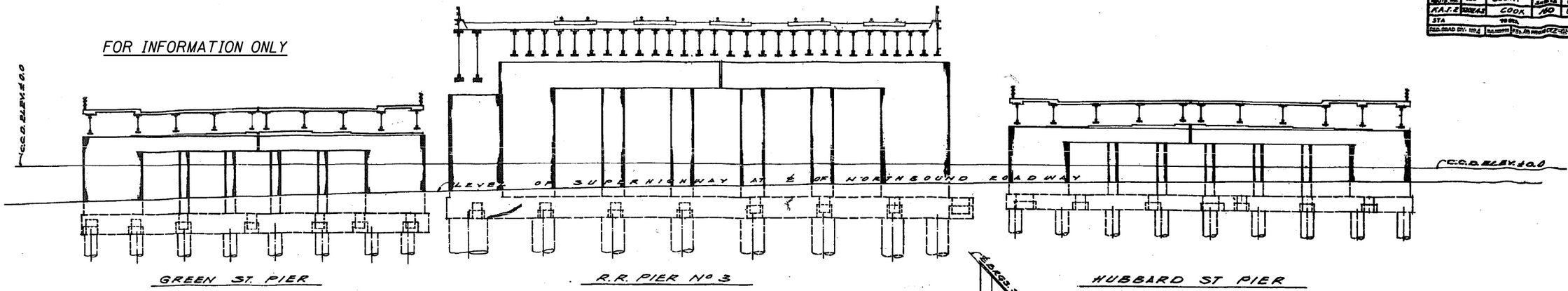
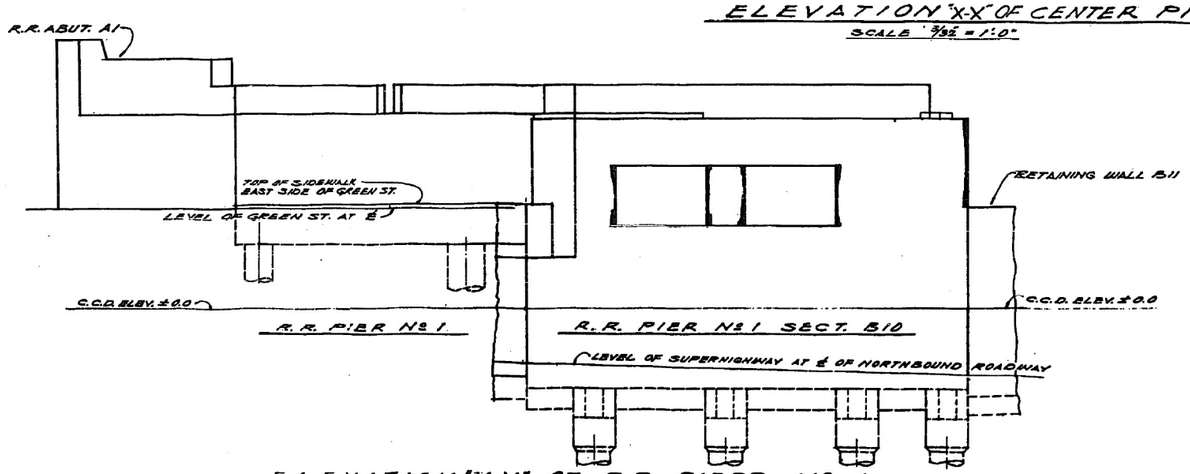


GREEN ST. PIER — R.R. PIER No 3 — HUBBARD ST PIER

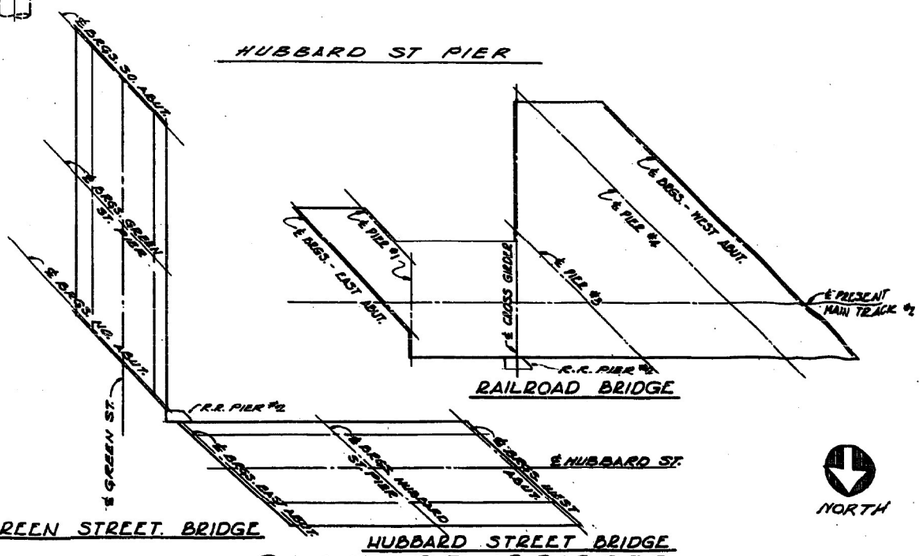
ELEVATION "X-X" OF CENTER PIERS

SCALE 3/32" = 1'-0"



ELEVATION "Y-Y" OF R.R. PIERS No 1

SCALE 1/8" = 1'-0"

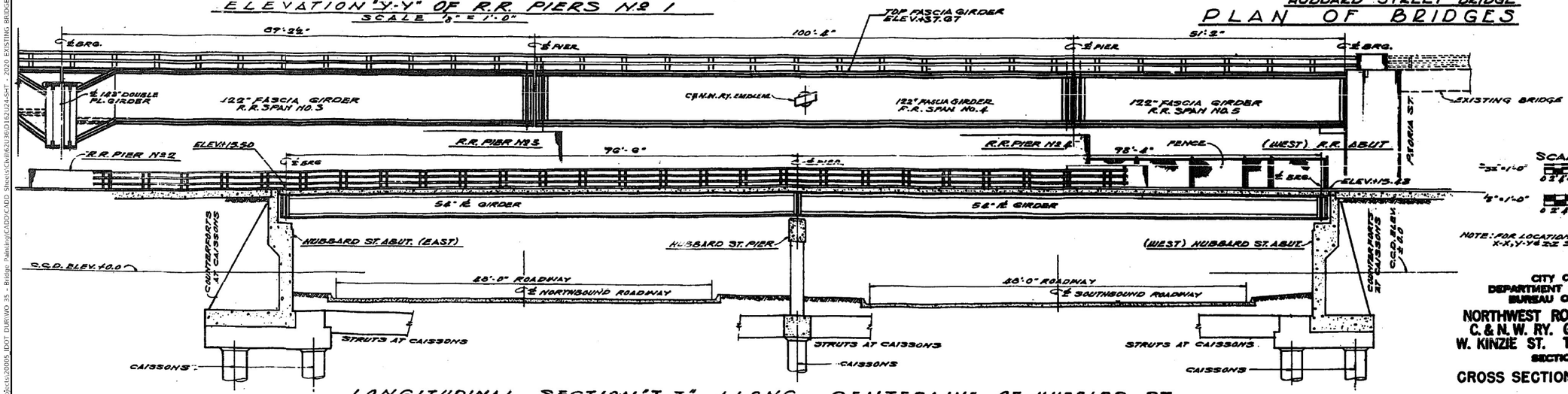


RAILROAD BRIDGE

GREEN STREET BRIDGE — HUBBARD STREET BRIDGE

PLAN OF BRIDGES

NORTH



LONGITUDINAL SECTION "Z Z" ALONG CENTERLINE OF HUBBARD ST.

SHOWING SECTION THRU HUBBARD STREET BRIDGE & PART ELEVATION OF R.R. BRIDGE

SCALE: 1/8" = 1'-0"

SCALES OF TRACING

3/32" = 1'-0" — 0 2' 4' 8' 16' 32'

1/8" = 1'-0" — 0 2' 4' 8' 16' 32'

NOTE: FOR LOCATIONS OF SECTIONS X-X, Y-Y & Z-Z SEE SHEET #3

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
C. & N. W. RY. GRADE SEPARATION
W. KINZIE ST. TO W. HUBBARD ST.
SECTION 0282A-2

CROSS SECTIONS & ELEVATIONS

ALFRED BENESCH & ASSOCIATES — CONSULTING ENGINEERS
111 W. JACKSON BLVD. — CHICAGO, ILLINOIS

SHEET NO. #5 OF 160 SHEETS — DATE JAN. 9, 1957.

MODEL: Default
FILE NAME: Q:\Environ\pyl\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Sht\62U36\D162U24SHT - 2020 EXISTING BRIDGE PLAN 06.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-0136)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	44
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

SECT. NO.	ROUTE	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.2	90-22-94	COOK	160	109
DIST.	TYPE OF WORK			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT	I-88-2(154)	

RIVET PITCH
TYPICAL SPACING OF SHEAR CONNECTORS

8" (1'-4") 120 @ 1'-0" | 6" 60 @ 0'-6" | SEE SPLICE DETAIL BELOW | 5" (1'-10") 6 @ 0'-5" | 4" (1'-8") 20 @ 0'-4" | 4" (1'-8") 20 @ 0'-4" | 5" (1'-10") 6 @ 0'-5" | 6" 60 @ 0'-6" | SEE SPLICE DETAIL BELOW | 5" (1'-10") 6 @ 0'-5" | 8" (1'-4") 120 @ 1'-0"

℄ BRG. E. ABUT. — 96'-6" — 79'-4" — ℄ BRG. N. ABUT

ELEVATION

℄ BRGS. E. ABUT. | ℄ FIELD SPLICE | ℄ BRGS. S. PIER | ℄ FIELD SPLICE | ℄ BRGS. N. ABUT.

℄ ROADWAY

NOTE:
THE SPACING OF STIFFENERS FOR GIRDERS 3,4,5,6 IS IDENTICAL TO 7,8,9,10 RESPECTIVELY.

FRAMING PLAN

SCALE: 6"=1'-0"

96'-6" | 30'-5½" | 30'-5½" | 96'-6"

GIRDER ELEVATIONS & SHIM PL. THICKNESSES

ALL ELEVATIONS ARE GIVEN TO THE BACK OF TOP FLANGE ANGLES.

GIRDER NO. / LOCATIONS	1	2	3	4	5	6	7	8	9	10	11
℄ BRGS. E. ABUT.	14.919	14.898	14.863	14.797	14.778	14.793	14.827	14.867	14.171	15.896	15.913
℄ BRGS. S. PIER	18.643	18.661	18.705	18.819	18.849	18.819	18.705	18.661	18.679	19.403	19.421
℄ BRGS. N. ABUT.	15.977	15.956	15.900	14.757	14.738	14.757	14.841	14.900	14.918	14.686	14.703
"E" SHIM @ PIER	5/8	1"	5/8	—	—	—	—	—	—	3/8	—

GIRDERS SHALL BE FABRICATED TO FOLLOW CURVATURE OF VERTICAL CURVATURE OF ROADWAY. DEAD LOAD DEFLECTION OF GIRDERS SHALL BE TAKEN UP WITH CONCRETE FILLETS.

℄ GIRDER DATA (ALL GIRDERS)

½" RAD. ℄
ANG. ROTATE ℄: 2½°
TOP FLANGE: 20"x1¼"
BOT. FLANGE: 28"x1¾"
TOP PLATE: 5 @ 9"x.256" OUTSIDE
COVER PL. 3 @ 6"x.250" INSIDE
BOT. FLANGE: 17"x1.126" OUTSIDE
COVER PL. 3 @ 11"x.437" INSIDE

SECTION "E-E"

ANGLE LEG AWAY FROM WEB 3½" @ BOTTOM FLANGE & 2½" @ TOP FLANGE

SCALES OF TRACING

1"=10'-0"
1"=10'-0"

99
97
C

NOTE: SIZES OF SHEAR CONNECTORS:
GIRDERS 1, 2 & 11: 7"x6"-77"-LONG WITH 5/8" STIRRUPS
3: 7"x6"-70"-LONG
4: 7"x6"-63"-LONG
5: 7"x6"-56"-LONG
GIRDERS 6 TO 10 INCL.: 5"x5"-44"-LONG AT SPLICE PLATES & COVER PLATES
5"x5"-54" ELSE WHERE

5/8" STIRRUPS WELDED TO T.O.-6½" ONLY

NO FLANGE PLATES

AT COVER PLATES & AT SPLICE PLATES

PINTLE MAY BE THREADED OR PRESSED-FIT INTO BOTT. GRD. FL.

PINTLE DETAIL

DETAILS OF SHEAR CONNECTORS

GIRDERS 1, 2 & 11 SHOWN

GIRDERS 1 & 11: 3½"x3½"x5/16" CRIMPED EXCEPT AT SWAY FRS. AT SWAY FRAME CONNECTIONS
GIRDER 2: 3½"x3½"x5/16" CRIMPED EXCEPT AT SWAY FRS. AT SWAY FRAME CONNECTIONS

GIRDERS 1 & 11: 2 @ 3½"x3½"x5/16" CRIMPED EXCEPT AT SWAY FRS. AT SWAY FRAME CONNECTIONS
GIRDER 2: 2 @ 3½"x3½"x5/16" CRIMPED EXCEPT AT SWAY FRS. AT SWAY FRAME CONNECTIONS

BACK OF ABUTMENT

TYPICAL INTERMED. STIFFENERS
FOR STIFFENERS ON SPLICES SEE DETAILS

SWAY FRAMES X1, X2, X3

SECTION "A-A"

SECTION "E-E"

SPLICE DETAIL FOR OUTSIDE GIRDERS

SWAY FRAMES X1-X2-X3

FRAMES X4 & X6 SIMILAR

SECTION D-D

SECTION B-B

SECTION C-C

SWAY FRAME "X5"

PLAN OF COVER PL.

SECTION "F-F"

SPLICE DETAILS FOR INTER. GIRDERS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
C. & N. W. RY. GRADE SEPARATION
W. KINZIE ST. TO W. HUBBARD ST.

SECTION 08024-2

HUBBARD ST. BRIDGE
STRUCTURAL STEEL PLANS & DETAILS

ALFRED BENESCH & ASSOCIATES — CONSULTING ENGINEERS
111 W. JACKSON BLVD. — CHICAGO, ILLINOIS

SHEET NO. 92 OF 160 SHEETS — DATE: JAN 9-1967

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2020 EXISTING BRIDGE PLAN 01.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

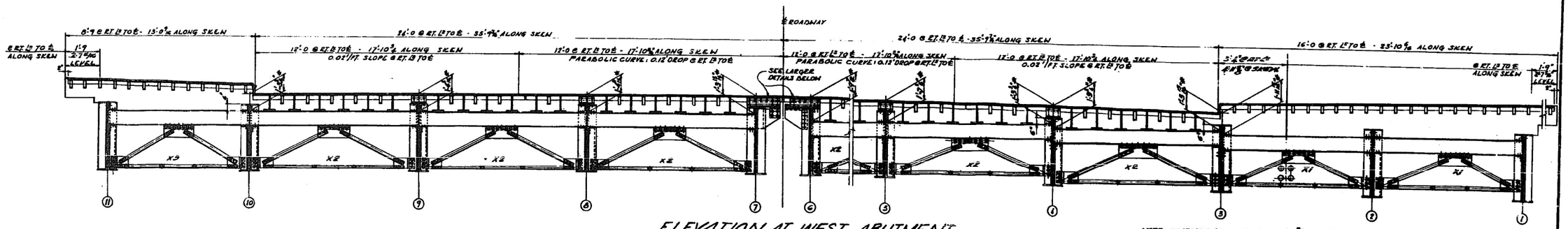
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2050)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	45
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

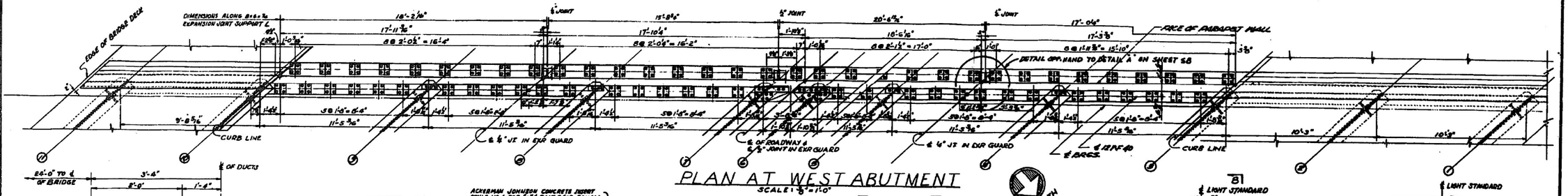
FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 2	0202.42	COOK	160	110
STA.		TO STA.		
FED. ROAD DIV. NO. 4		ILLINOIS	FED. AID PROJECT I-03-2(39)	



ELEVATION AT WEST ABUTMENT

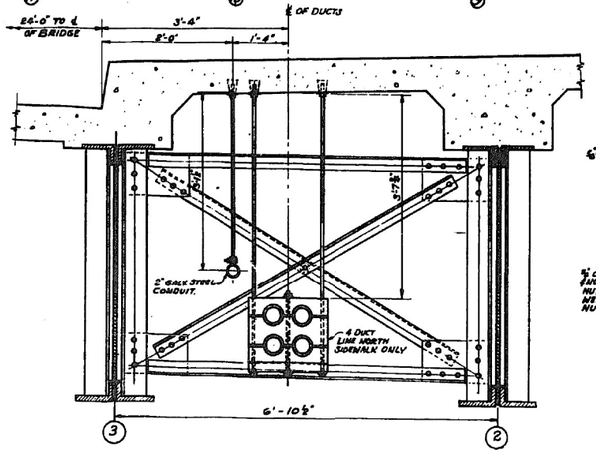
SCALE: ⅜" = 1'-0"

NOTE: DIMENSION NOTED THUS: 23⅝" @ REFERS TO THE VERTICAL DISTANCE MEASURED BETWEEN THE TOP OF THE STAMPED DIGIT AND THE TOP 15"x1" AT THE FACE OF THE 4"x4" ∠.



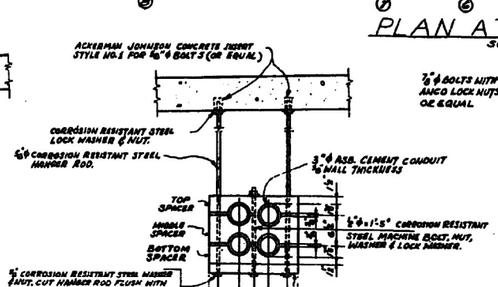
PLAN AT WEST ABUTMENT

SCALE 1" = 1'-0"



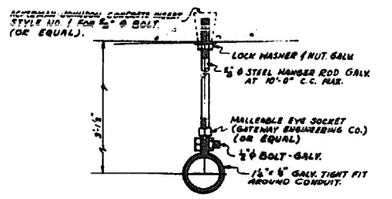
NORTH SIDEWALK (LOOKING WEST)
SOUTH SIDEWALK (SIMILIAR)

SCALE 1"=1'-0"



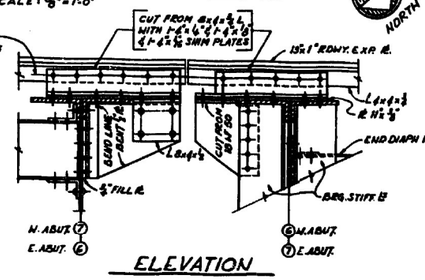
DETAIL OF 4 DUCT CONDUIT HANGER FOR CITY OF CHICAGO

SCALE 1"=1'-0"

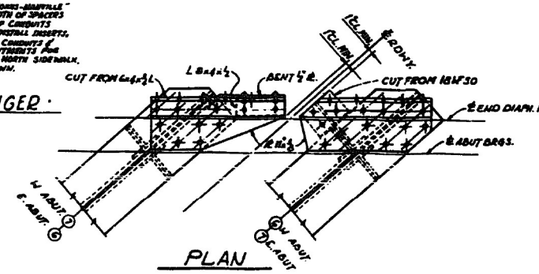


DETAIL OF 2" CONDUIT HANGER

SCALE 3"=1'-0"

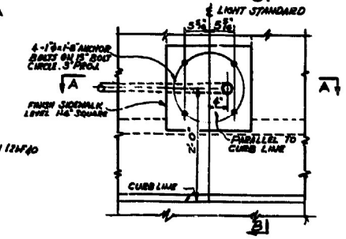


ELEVATION



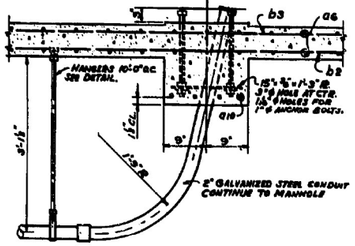
PLAN

THE EXPANSION DEVICE SUPPORTS @ ℄ ROWY.



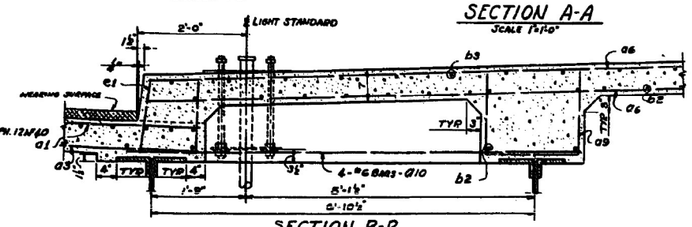
PLAN AT LIGHT STANDARD

SCALE 1"=1'-0"



SECTION A-A

SCALE 1"=1'-0"



SECTION B-B

SCALE 1"=1'-0"

NOTE:
FOR EXPANSION GUARD GENERAL NOTES SEE SHEET 54.
FOR DIMENSIONS AND DETAILS NOT SHOWN HERE SEE SHEETS 51, 52 & 54.

FOR INFORMATION ONLY

SCALE OF TRACING

½"=1'-0"

0 1' 2' 3' 4'

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
C. & N. W. RY. GRADE SEPARATION
W. KINZIE. ST. TO W. HUBBARD ST.

SECTION 0202.4-2

HUBBARD ST. BRIDGE
STRUCTURAL STEEL DETAILS

ALFRED BENESCH & ASSOCIATES — CONSULTING ENGINEERS
111 W. JACKSON BLVD. — CHICAGO, ILLINOIS

SHEET NO. 55 OF 160 SHEETS — DATE: JAN 9-1957

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

Accurate GROUP, INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2050)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	46
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

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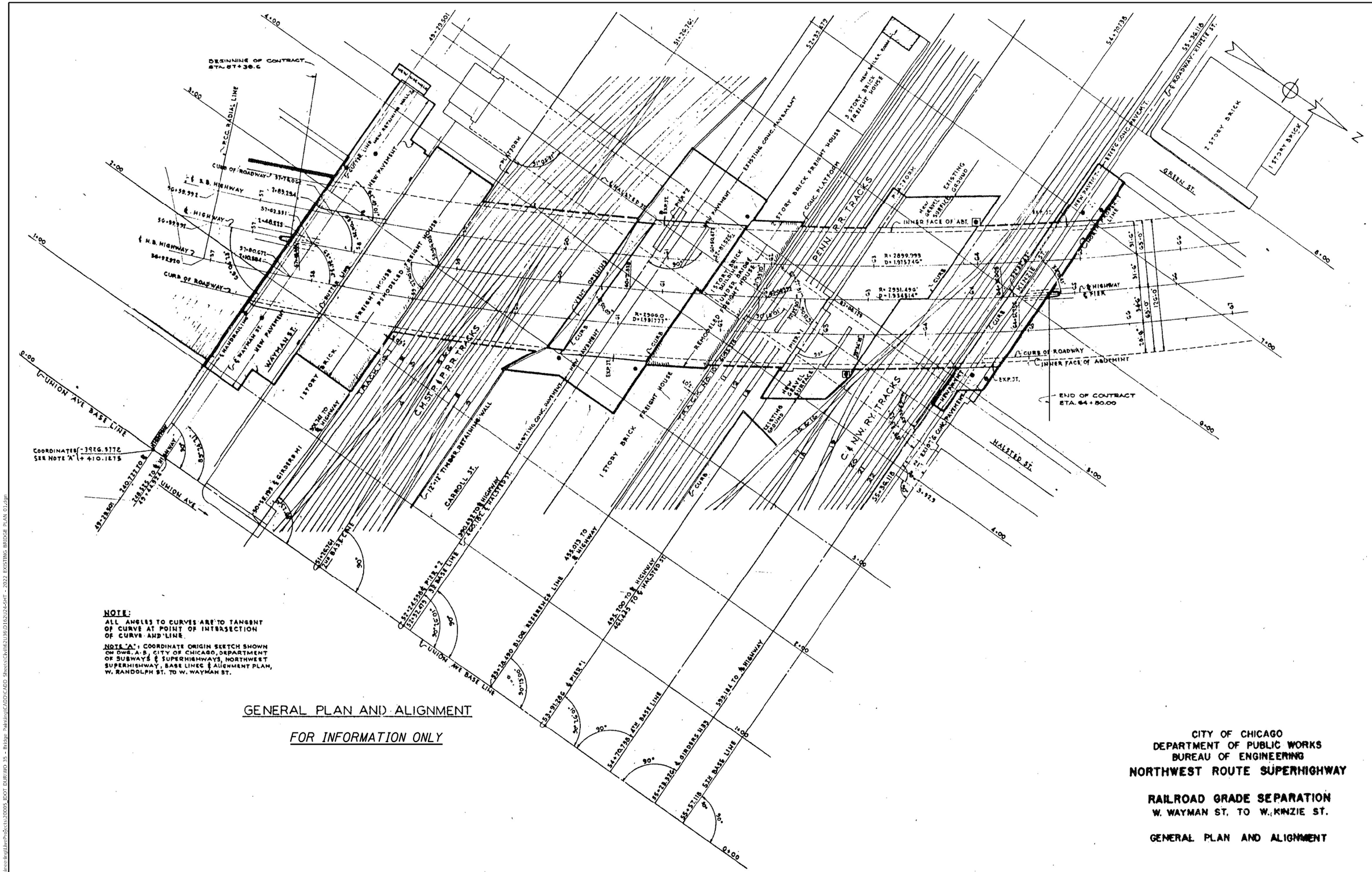
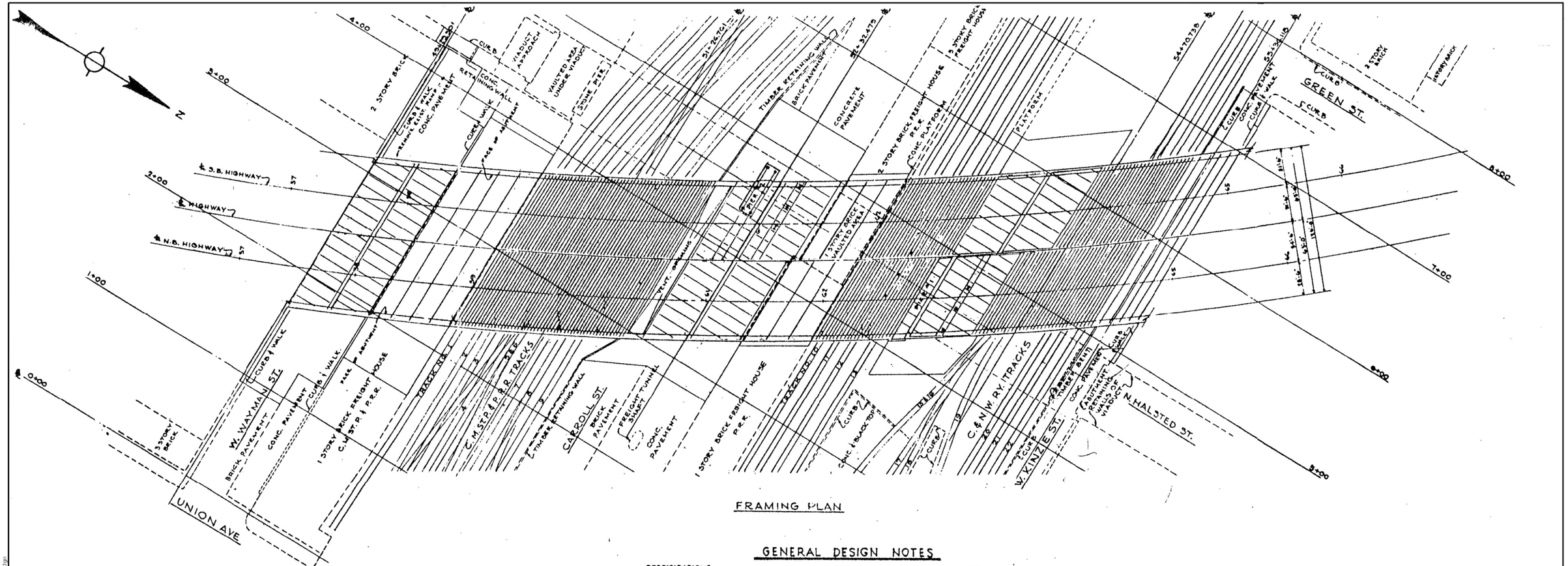
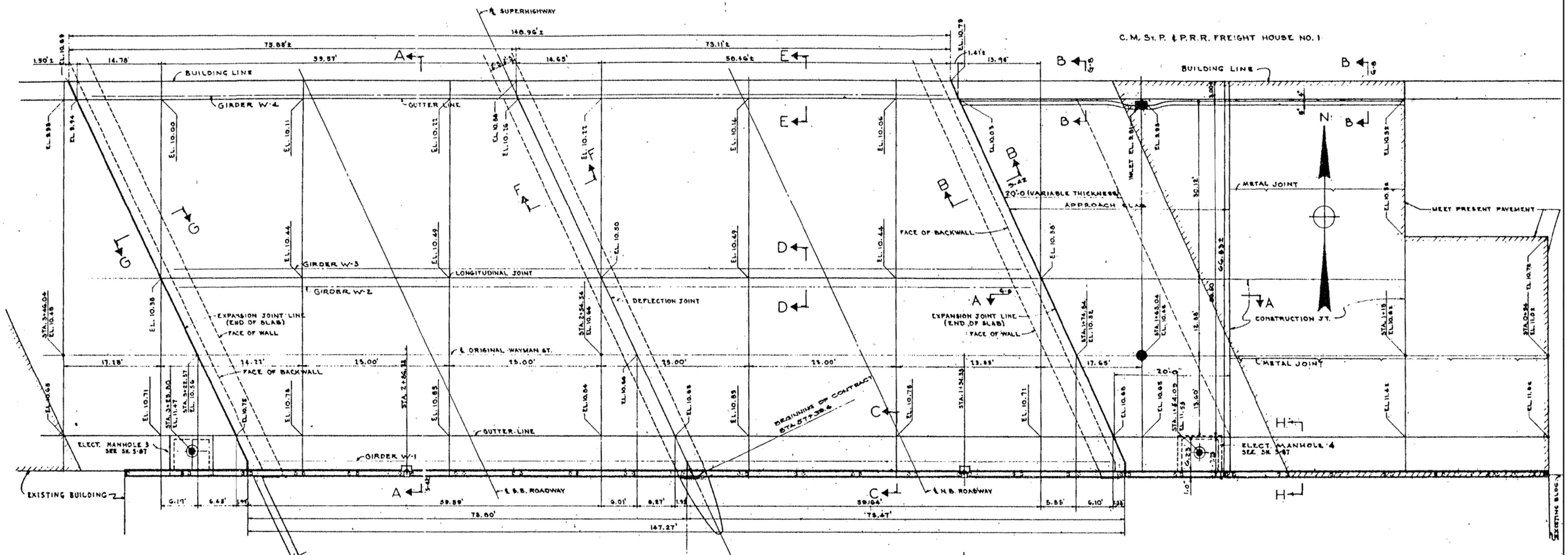

BEGINNING OF CONTRACT STA. 57+30.6
℄ N.B. HIGHWAY
℄ S.B. HIGHWAY
CURB OF ROADWAY
℄ WAYMAN ST.
WAYMAN ST.
NEW PAVEMENT
1 STORY BRICK
FREIGHT HOUSE REMODELED
TRACK No. 1
TRACK No. 2
C.M.ST.P.&P.R.R. TRACKS
NEW WALL
NEW RETAINING WALL
EXISTING CONC. PAVEMENT
1 STORY BRICK FREIGHT HOUSE
CONC. PLATFORM
NEW PAVEMENT
EXISTING GROUND
INNER FACE OF ABT.
PENN. R.R. TRACKS
R= 2899.999
D= 19°57'40"
R= 2931.496'
D= 13°45'14"
1 STORY BRICK BUILDING UNDER BALCONY FREIGHT HOUSE
R= 2900.0
D= 15°17'17"
NEW GRAVEL SURFACE
NEW PAVEMENT
℄ KINZIE ST.
KINZIE ST.
℄ HIGHWAY & PIER
CURB OF ROADWAY
INNER FACE OF ABUTMENT
EXP. JT.
END OF CONTRACT STA. 64+80.00
2 STORY BRICK
1 STORY BRICK
GREEN ST.
℄ OF ROADWAY - KINZIE ST.
NEW PAVEMENT
EXISTING CONC. PAVEMENT
EXISTING GROUND
NEW GRAVEL SURFACE
C & N.W. RY. TRACKS
HALSTED ST.
CARROLL ST.
1 STORY BRICK FREIGHT HOUSE
EXISTING TIMBER RETAINING WALL
EXISTING CONC. PAVEMENT
NEW PAVEMENT
℄ UNION AVE BASE LINE
℄ UNION AVE
℄ HIGHWAY
℄ HALSTED ST.
℄ CURB
℄ EXP. JT.
℄ GIRDERS
℄ TRACK
℄ PIER
℄ BEARINGS
℄ ABUTMENT
℄ PIERS
℄ BASE LINE
℄ CURVE
℄ RADIAL LINE
℄ CENTER LINE
℄ PAVEMENT
℄ WALL
℄ SIM BASE LINE
℄ BLOCK REFERENCE LINE
℄ CONC. PAVEMENT
℄ STRIPE CONC. PAVEMENT
℄ NEW PAVEMENT
℄ NEW WALL
℄ NEW RETAINING WALL
℄ EXISTING CONC. PAVEMENT
℄ EXISTING GROUND
℄ NEW GRAVEL SURFACE
℄ NEW PAVEMENT


N
℄ E.B. HIGHWAY
℄ HIGHWAY
℄ N.B. HIGHWAY
0+00
1+00
2+00
3+00
4+00
5+00
6+00
7+00
8+00
W. WAYMAN ST.
CURB & WALK
BRICK PAVEMENT
CONC. PAVEMENT
CURB & WALK
3 STORY BRICK
1 STORY BRICK FREIGHT HOUSE C.M.ST.P. & P.R.R.
FACE OF ABUTMENT
TRACK 1
TRACK 2
C.M.ST.P. & P.R. TRACKS
TIMBER RETAINING WALL
CARROLL ST.
BRICK PAVEMENT
FREIGHT TUNNEL SHAFT
CONC. PAVEMENT
1 STORY BRICK FREIGHT HOUSE P.R.R.
TRACK 3
TRACK 4
CONC. & BLACKTOP
CURB
C & N.W. RY. TRACKS
W. KINZIE ST.
CURB
CONC. PAVEMENT
BUTTRESS
RETAINING WALLS OF VIADUCT
N. HALSTED ST.
CURB & WALK
CONC. PAVEMENT
TIMBER & BRICK
CURB & WALK
UNION AVE
3 STORY BRICK
2 STORY BRICK
CURB & WALK
CONC. PAVEMENT
RETAINING WALL
CONC. RETAINING WALL
VIADUCT APPROACH
VAULTED AREA UNDER VIADUCT
STONE PIER
CURB & WALK
FACE OF ABUTMENT
TIMBER RETAINING WALL
BRICK PAVEMENT
CONCRETE PAVEMENT
2 STORY BRICK FREIGHT HOUSE P.R.R.
CONC. PLATFORM
3 STORY BRICK FREIGHT HOUSE
PLATFORM
CURB
CONC. PAVEMENT
CURB & WALK
CURB
2 STORY BRICK
GREEN ST.
CURB
1 STORY BRICK
1 STORY BRICK VAULTED AREA
PLAT. OPENING
PIER
PIER
PIER



FOR INFORMATION ONLY

NOTE:
FOR SEC. A-A THRU G-G SEE SH. NO. S-4E
FOR LOCATION OF CONDUIT HANGER INSERTS IN BOTTOM OF SLAB SEE SH. NO. E-4 & E-8
FOR SEC. H-H SEE SH. NO. G-8

EXISTING PAVEMENT, SIDEWALK, CURB & GUTTER TO BE REMOVED.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

WAYMAN ST. BRIDGE
GENERAL PLAN AND EAST APPROACH PAVEMENT

MODEL: Default
FILE NAME: c:\Structural\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162024-SHT - 2022 EXISTING BRIDGE PLAN 03.dgn

Accurate GROUP, INC.

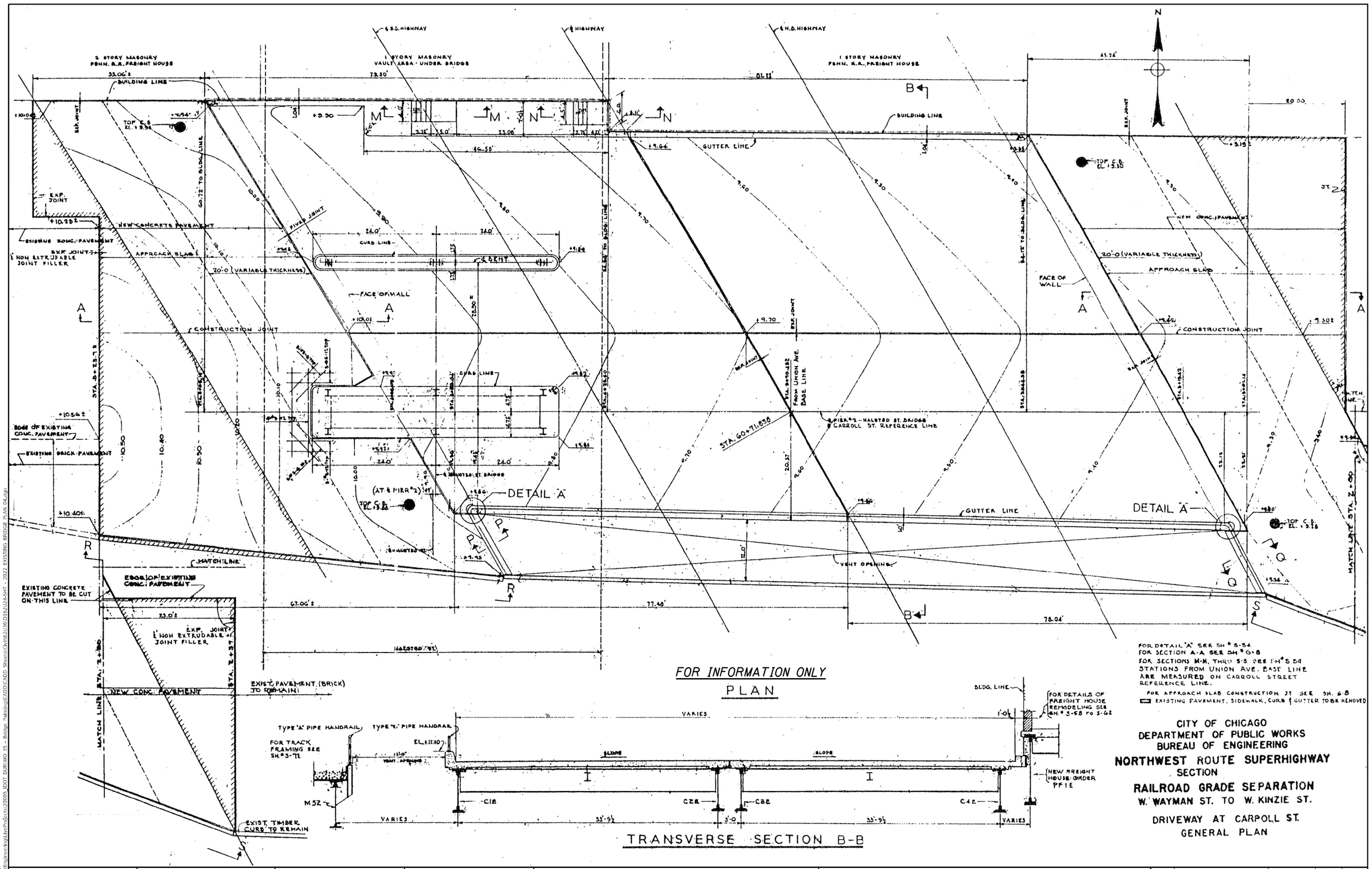
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 3 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	49
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



FOR INFORMATION ONLY

PLAN

TRANSVERSE SECTION B-B

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY
SECTION
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.
DRIVEWAY AT CARPOLL ST.
GENERAL PLAN

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 4 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	50
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

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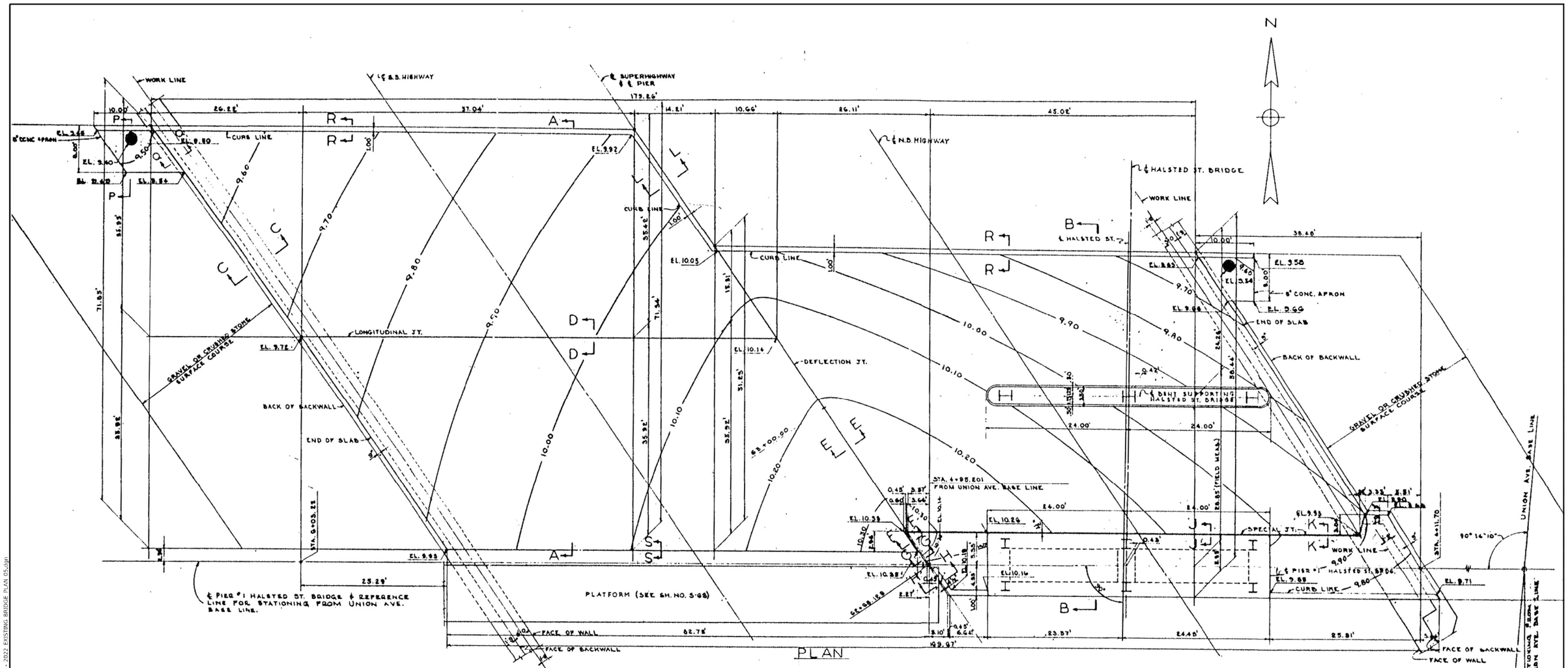
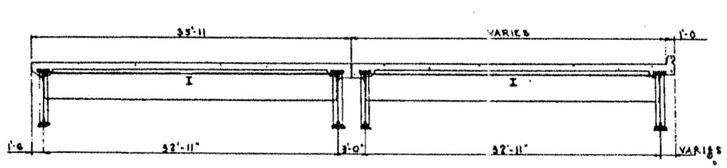
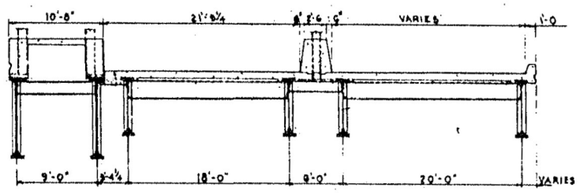


PLAN



SECTION A-A



SECTION B-B

NOTE:
FOR SEC. C-C THRU L-L, & F-P THRU S-S, SEE SH. S-07
STATIONS FROM UNION AVE. BASE LINE ARE MEASURED ON ℄ PIER 1 OF HALSTED ST. BRIDGE. (REFERENCE LINE FOR STATIONING FROM UNION AVE. BASE LINE.)

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY SO. OF KINZIE ST.
GENERAL PLAN

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 05.dgn

Accurate GROUP, INC.

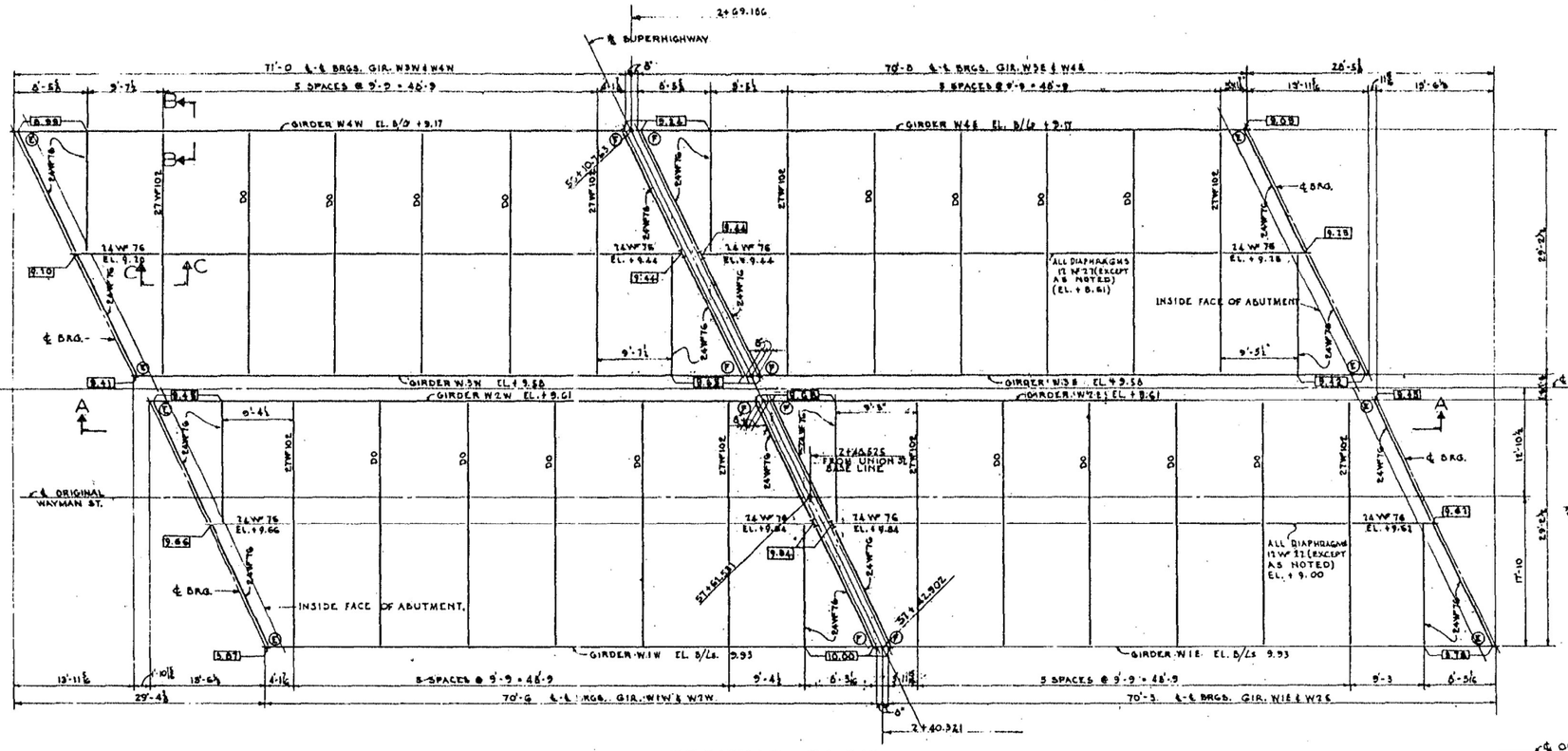
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

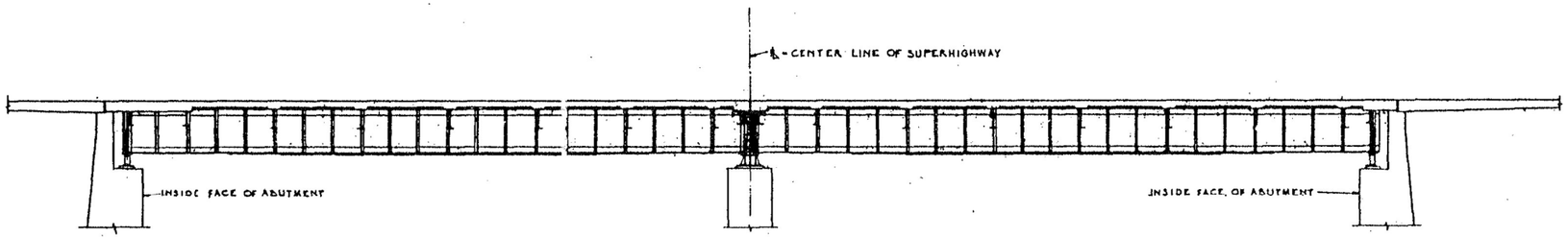
EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 5 OF 32 SHEETS | STA. | TO STA.

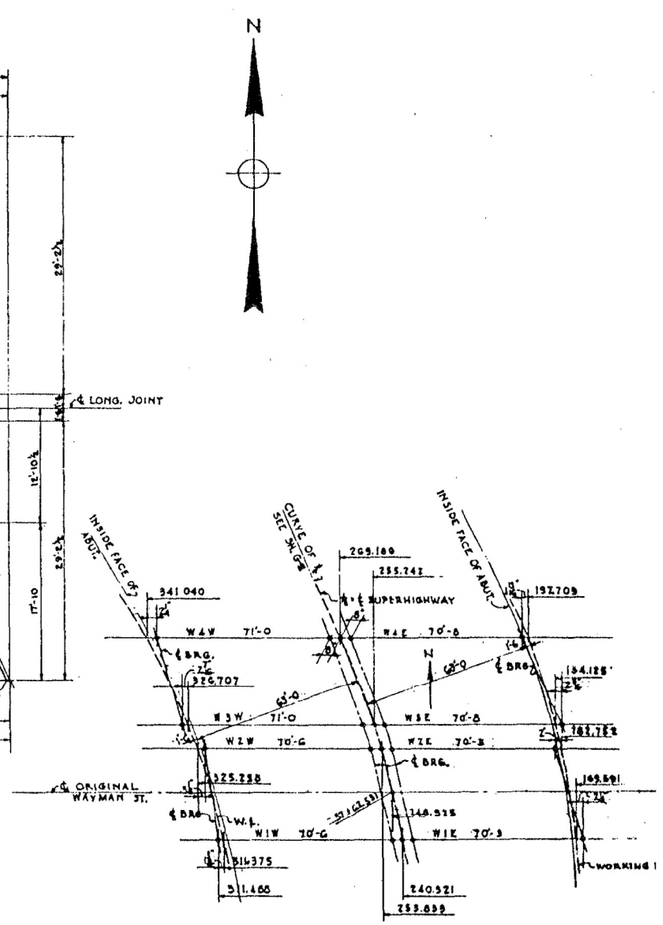
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	51
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



FRAMING PLAN
1/8"=1'-0"



SECTION A-A
1/8"=1'-0"



GIRDER LAYOUT

DIMENSIONS ON THIS DRAWING ARE MEASURED ON ℄ ORIGINAL WAYMAN ST. FROM UNION BASE LINE.

NOTE: THAT GIRDER LENGTHS GIVEN VARY A SMALL AMOUNT FROM CALCULATED DIMENSIONS BETWEEN CURVES SHOWN AS WORK LINES AND R.L.

NOTE:
FOR SEC. B-B & C-C SEE SH. S-41
ELEV. SHOWN ARE TO BACK OF FLANGE ∠s ON GIRDERS & TO TOP OF BEAM ON FLOORBEAMS & DIAPHRAGMS.
(E) DENOTES EXPANSION BEARING
(F) " FIXED "
FOR BEARING DETAILS SEE SH. S-B2 & S-B4
FOR GIRDER DETAILS SEE SH. S-41
ELEV. SHOWN IN BOXES THUS 10.00 ARE TO WORK POINTS DEFINED IN SEC. B-B SH. S-41

FOR INFORMATION ONLY

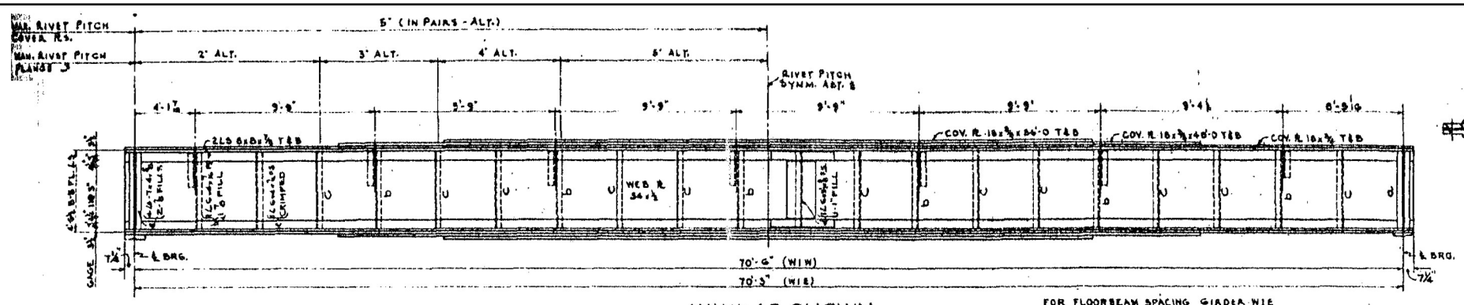
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

WAYMAN ST. BRIDGE
FRAMING PLAN

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 06.dgn

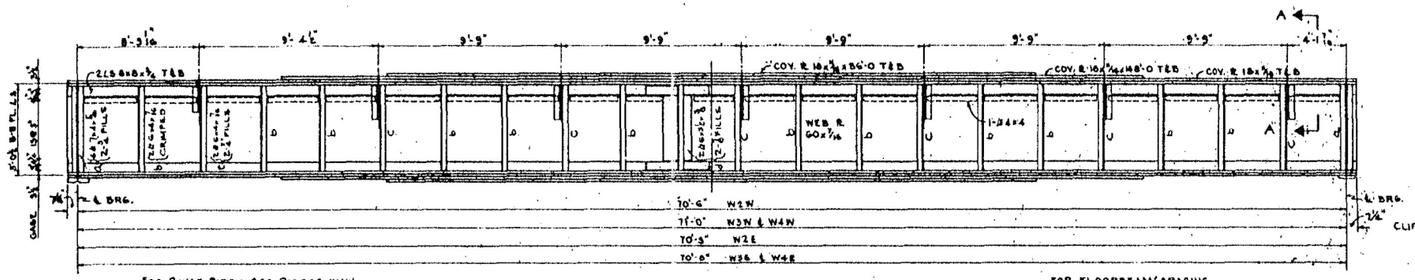
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (SN 016-2020) WB I-94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ME	REVISED -			94	FAI 94 22 BRIDGE PAINTING	COOK	119	52
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -			CONTRACT NO. 62U36				
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE / SHEET 6 OF 32 SHEETS / STA. TO STA.	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)			



W1W AS SHOWN
W1E SIMILAR

FOR FLOORBEAM SPACING GIRDER W1E SEE FRAMING PLAN - SH. NO. S-40

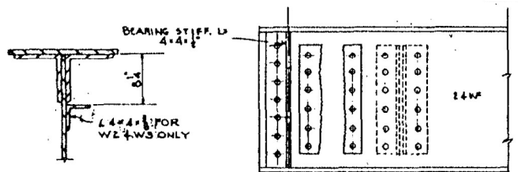
ALL COVER & CUTOFFS SYMM. ABOUT ℄ GIRDER.



FOR RIVET PITCH SEE GIRDER W1W

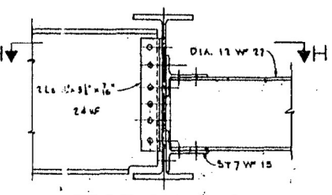
W2W AS SHOWN
W3W, W4W, W2E, W3E & W4E SIMILAR

FOR FLOORBEAM SPACING W3W, W4W, W2E, W3E & W4E SEE FRAMING PLAN - SH. S-40
ALL COVER & CUTOFFS SYMM. ABOUT ℄ GIRDER

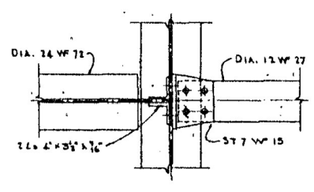


SECTION A-A

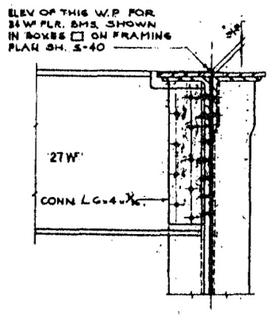
SECTION D-D



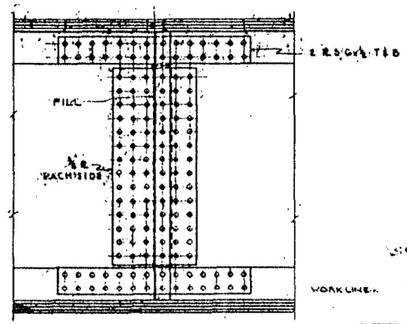
SECTION C-C



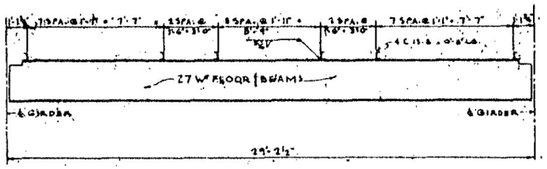
SECTION H-H



SECTION B-B

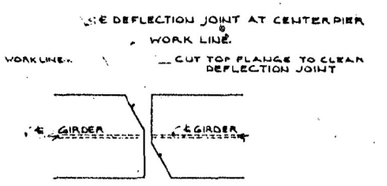


SPLICE DETAIL

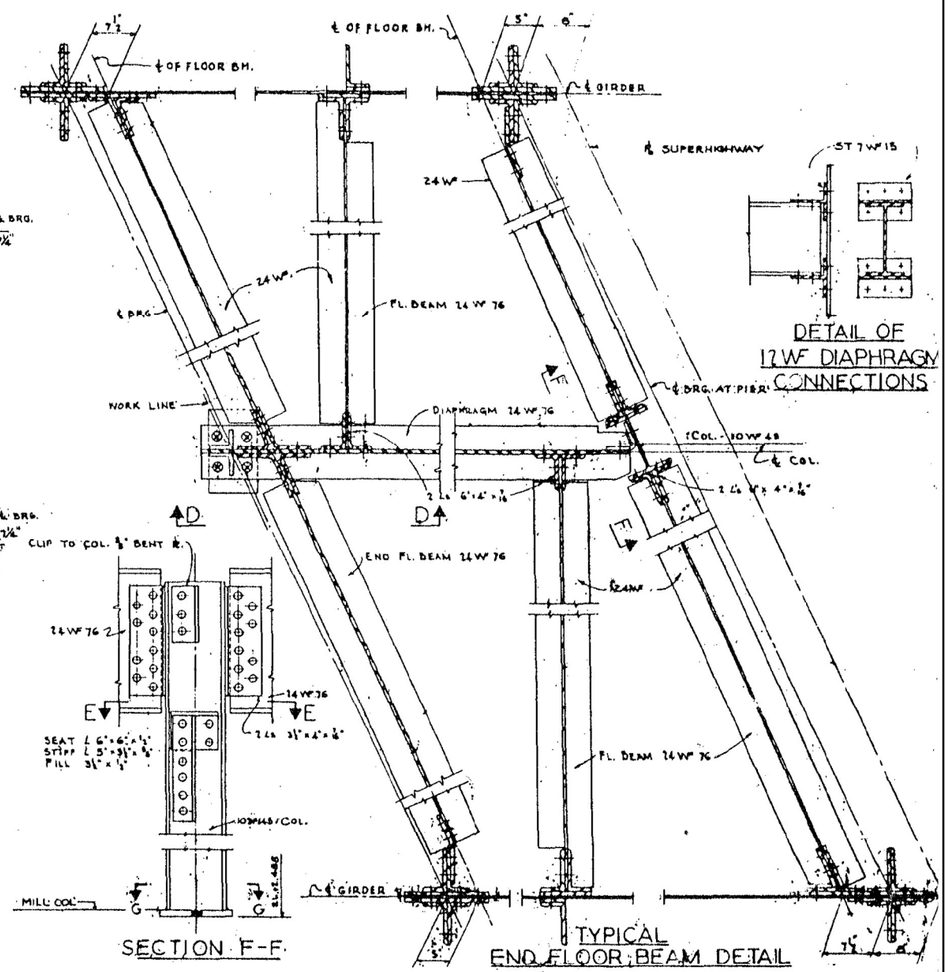


FLOOR BEAM SHEAR CONNECTOR SPACING

(NO SHEAR CONNECTORS ON 24 WF FLOOR BEAMS)



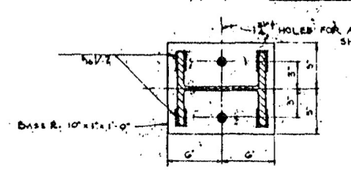
DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER



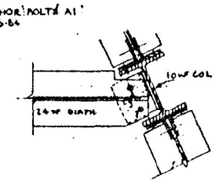
SECTION F-F

DETAIL OF 12 WF DIAPHRAGM CONNECTIONS

TYPICAL END FLOOR BEAM DETAIL



SECTION G-G



SECTION E-E

NOTE:-
FOR BEARING DETAILS SEE SH. S-82 & S-84
FOR EXTENT OF FILLS UNDER END BRG. STIFFENERS SEE END FLOOR BEAM DETAILS THIS SHEET.
FOR LOCATION OF SEC. B-B & C-C SEE FRAMING PLAN SH. S-40
OPEN HOLES ⅞" ℄ UNLESS NOTED.
⅞" ℄ RIVETS UNLESS NOTED

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

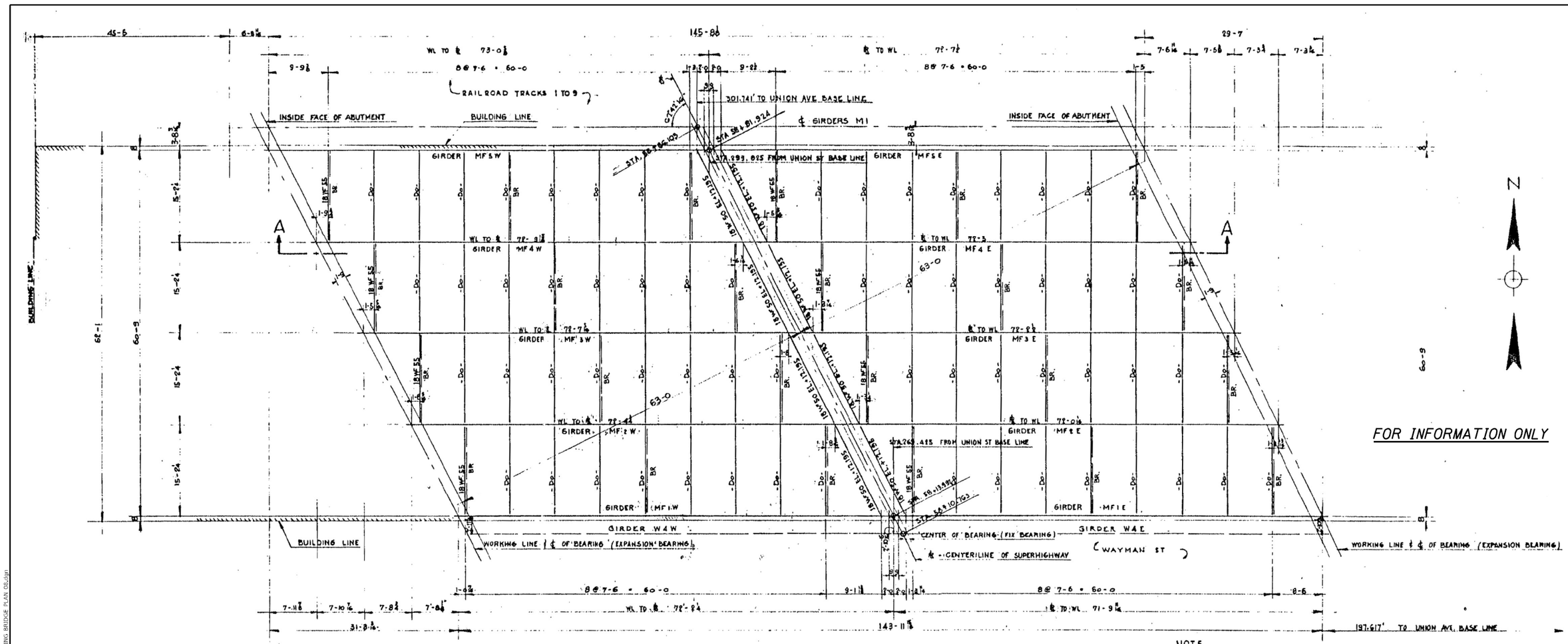
RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

WAYMAN ST. BRIDGE
STRUCTURAL STEEL

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (SN 016-2020) WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - ME	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -		SCALE: NONE SHEET 7 OF 32 SHEETS STA. TO STA.
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	53
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

MODEL: Default
FILE NAME: O:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1623245HT - 2022 EXISTING BRIDGE PLAN 07.dgn

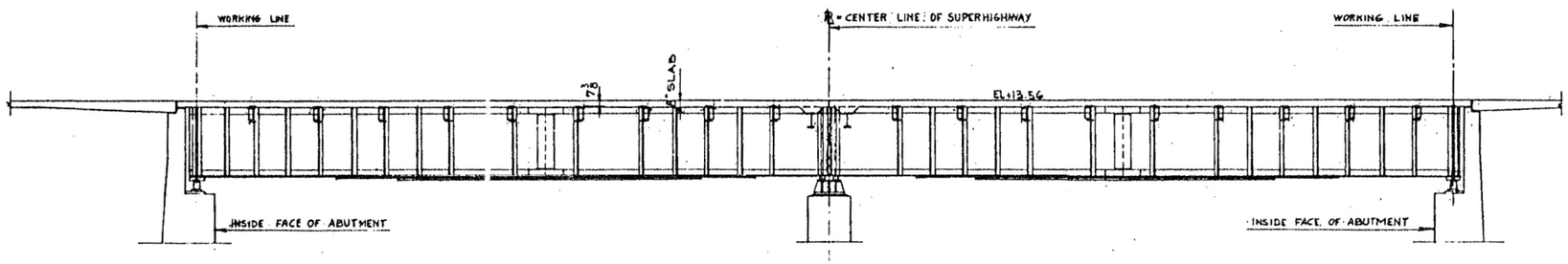


FOR INFORMATION ONLY

NOTE
FOR DETAILS OF GIRDERS AND BRACING SEE DWG. S-45

FRAMING PLAN

(TOP OF STEEL ELV. 12.945 EXCEPT AS NOTED)
(TOP OF STEEL OF GIRDERS = BACK OF TOP ANGLES)



SECTION A - A

LIVE LOAD 600 LBS/sq FT.

NOTES

WORKING LINES ARE CURVES CONCENTRIC WITH ℄ OF SUPERHIGHWAY.

FIELD & SHOP CONNECTIONS ARE RIVETED
RIVETS 7/8" ϕ
HOLES 15/16" ϕ EXCEPT AS NOTED
SHOP AND FIELD CONNECTIONS RIVETED UNLESS OTHERWISE SHOWN.
STATIONS FROM UNION AVE BASE LINE ARE MEASURED ON ℄ GIRDERS M1

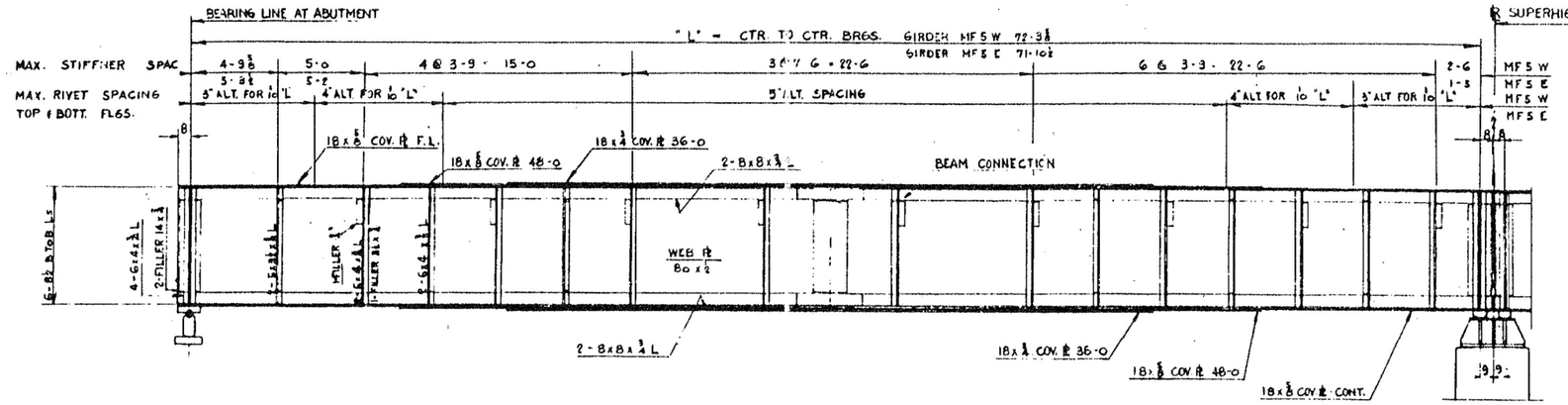
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

C.M.ST.P. & P.R.R. FREIGHT HOUSE NO. 1
STEEL FLOOR FRAMING

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 08.dgn

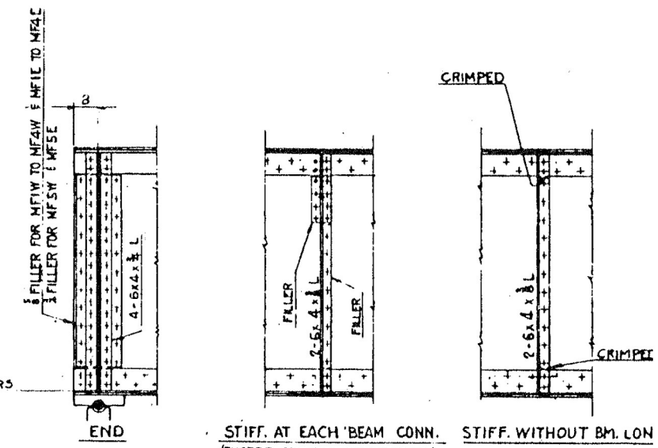
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (SN 016-2020) WB I-94 BRIDGE PAINTING & LIGHTING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - ME	REVISED -			94	FAI 94 22 BRIDGE PAINTING	COOK	119	54
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -					CONTRACT NO. 62U36		
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE SHEET 8 OF 32 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT NHPP-EHG7(288)		



MAIN MATERIAL FOR GIRDERS MF 5W AND MF 5 E

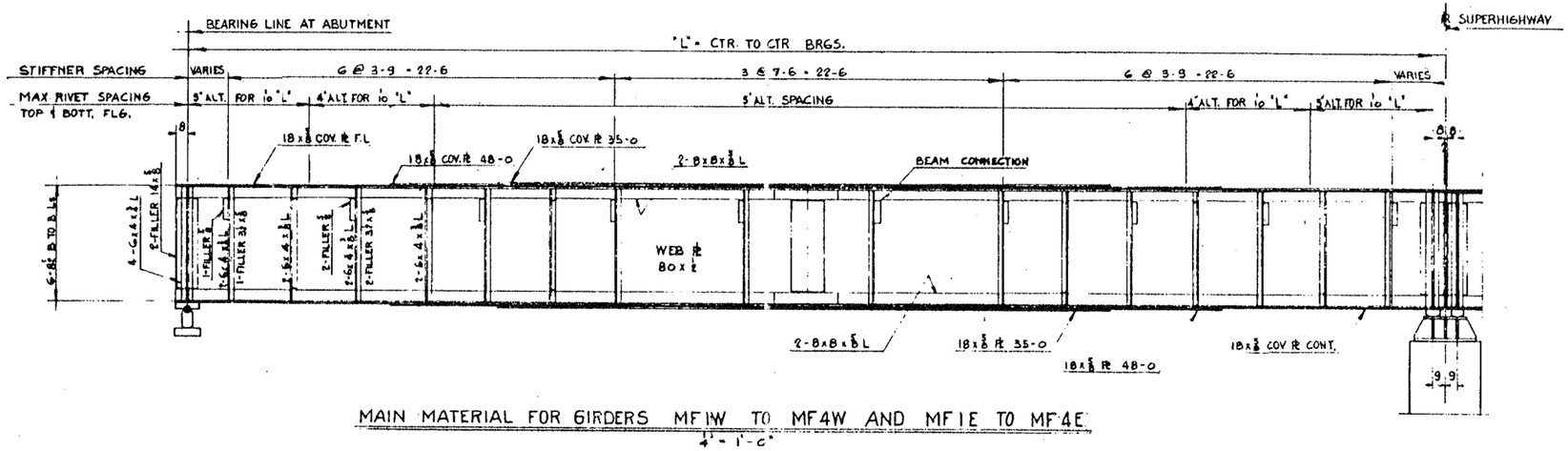
4" = 1'-0"

(SEE FRAMING PLAN -- -- SH. 3-13 FOR LOCATION OF GIRDERS)



TYPICAL GIRDER DETAILS

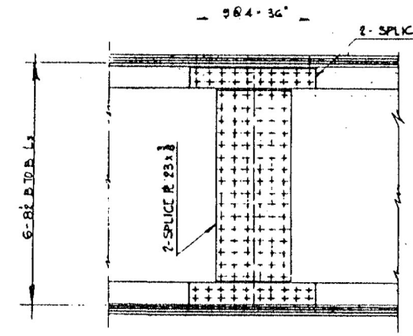
½" = 1'-0"



MAIN MATERIAL FOR GIRDERS MF1W TO MF4W AND MF1E TO MF4E

4" = 1'-0"

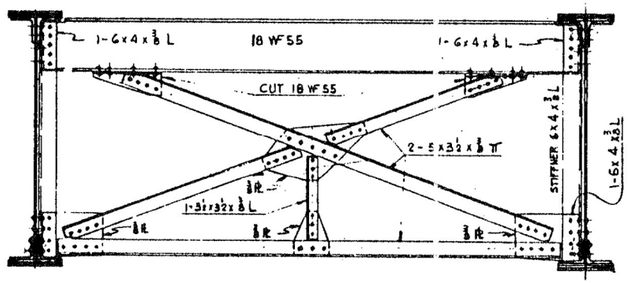
(SEE FRAMING PLAN —— SH. 3-13 FOR LOCATION OF GIRDERS)



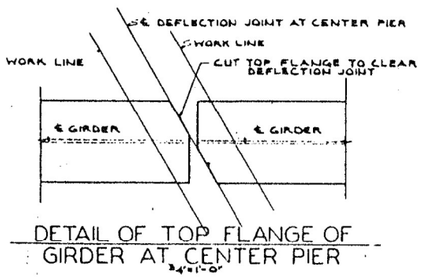
TYPICAL WEB SPLICE

2" = 1'-0"

NOTE:
PROVIDE HOLES IN EXTERIOR STIFFENERS OF GIRDERS MF1E, MF1W, MF5E & MF5W FOR REINFORCING BARS SEE SECTION 1-1 & 2-2, SH. 3-48
BEARINGS SEE SH. 3-03



TYPICAL BRACING



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER

3" = 1'-0"

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

C.M.ST.P. & P.R.R. FREIGHT HOUSE NO. 1
STRUCTURAL STEEL

MODEL: Default
FILE NAME: C:\Engineering\Live Projects\2000s_IDOT EURVWO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\162U24-SHT - 2022 EXISTING BRIDGE PLAN 09.dgn

Accurate GROUP, INC.

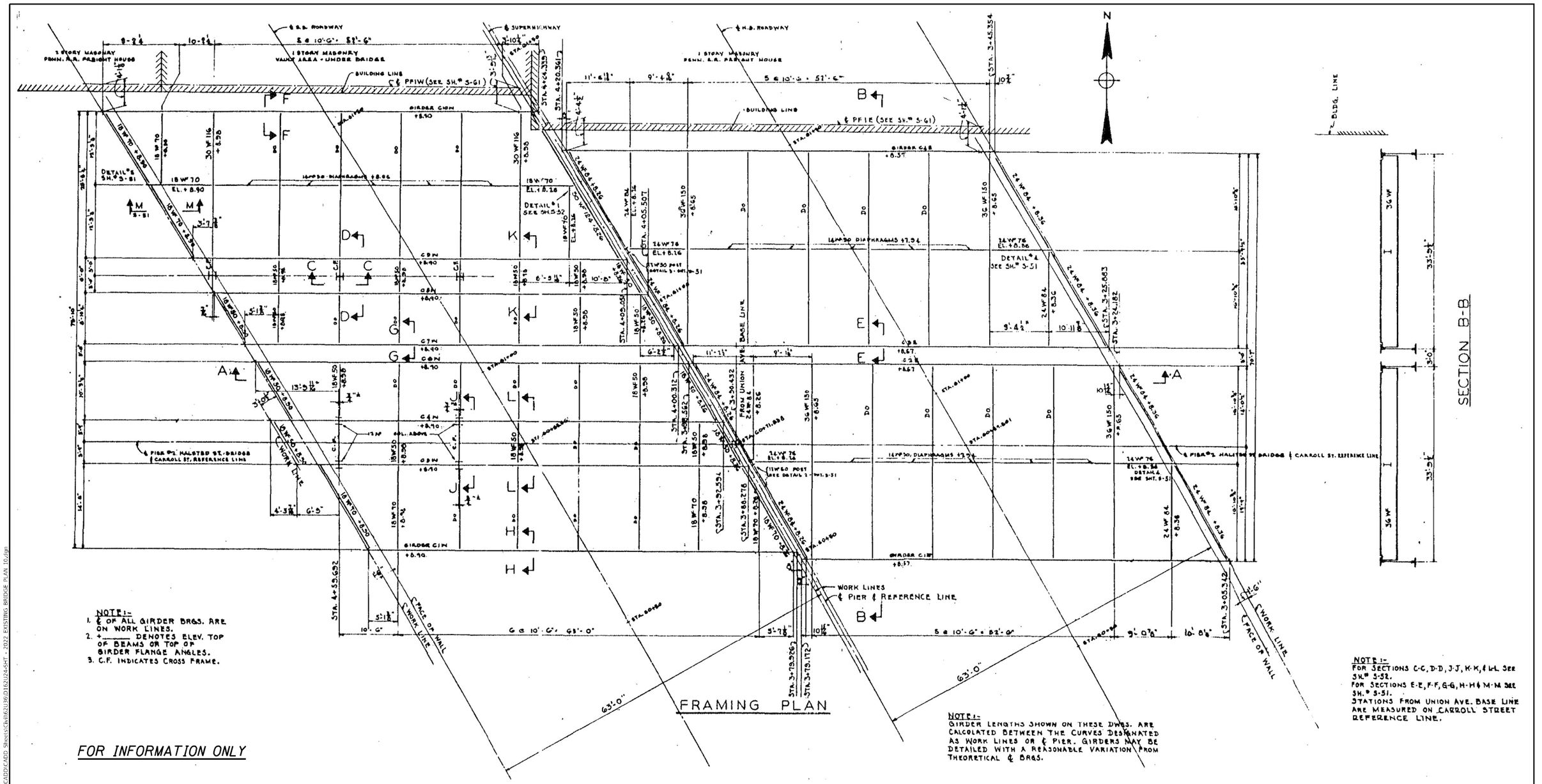
USER NAME = Jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 9 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	55
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY AT CARROLL ST.
FRAMING PLAN

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -
		DRAWN - ME	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

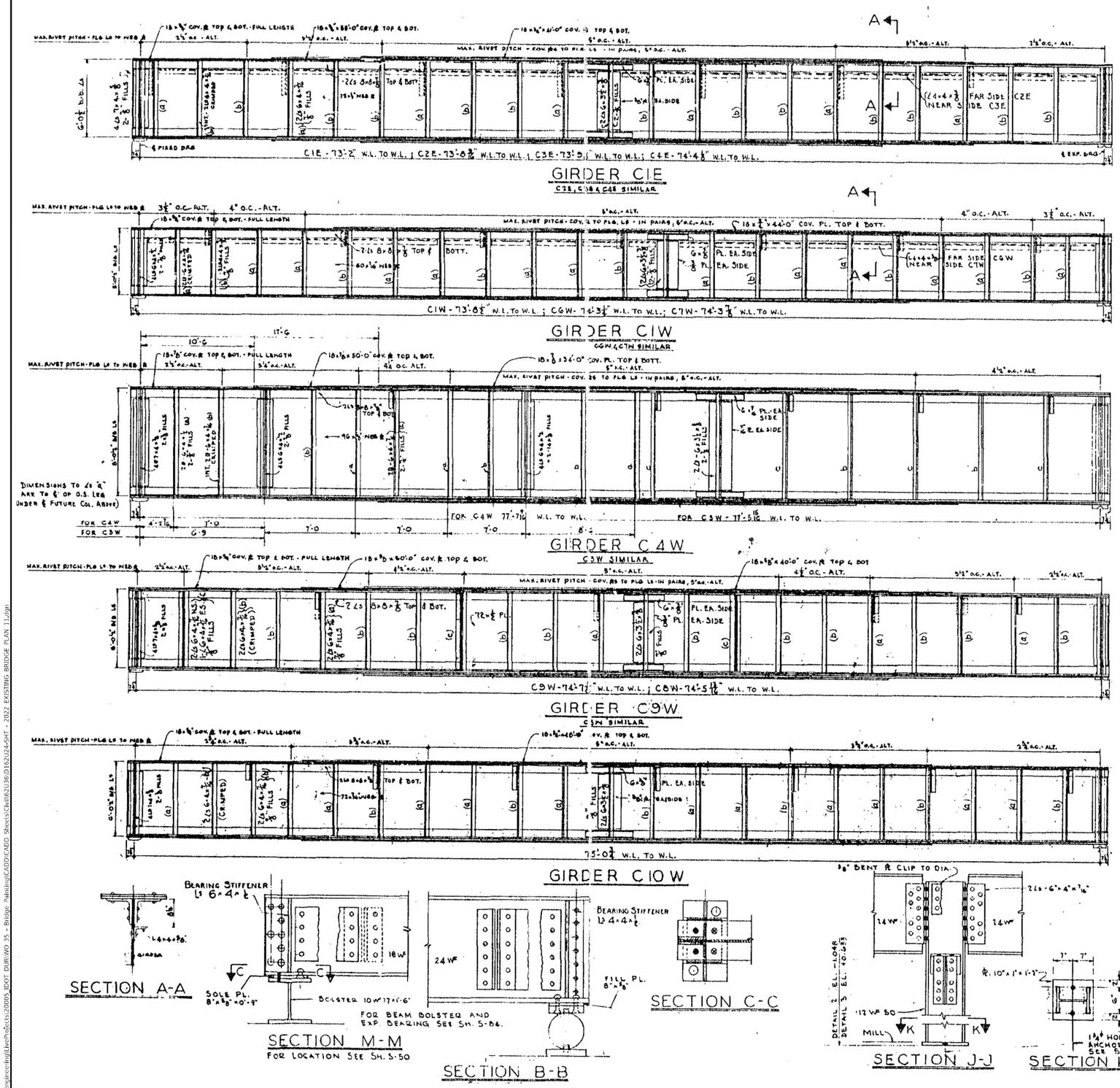
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

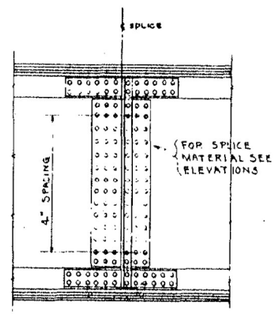
EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

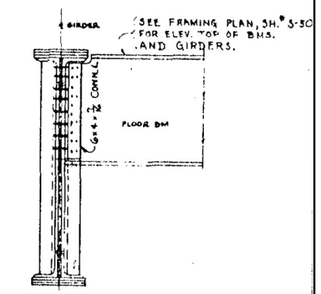
SCALE: NONE | SHEET 10 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	56
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

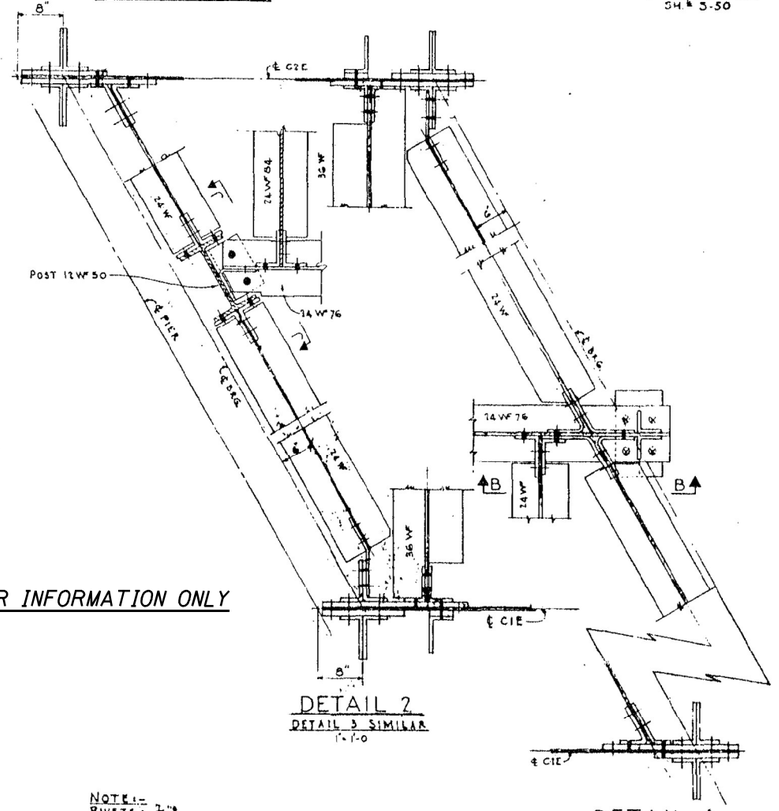
MODEL: Default
FILE NAME: c:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 16.dgn







NOTE:- FOR LOCATION OF SECTIONS E-E, F-F, G-G, & H-H SEE SH. S-50



FOR INFORMATION ONLY

NOTE:-
RIVETS :- 7/8"
OPEN HOLES :- 15/16" UNLESS NOTED
FOR BEARING DETAILS SEE SHEETS S-81, S-82 & S-84.
FOR EXTENT OF FILLS UNDER END BEARING STIFFENERS SEE END FLOOR BEAMS DETAILS.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY AT CARROLL ST.
STRUCTURAL STEEL

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 11.dgn

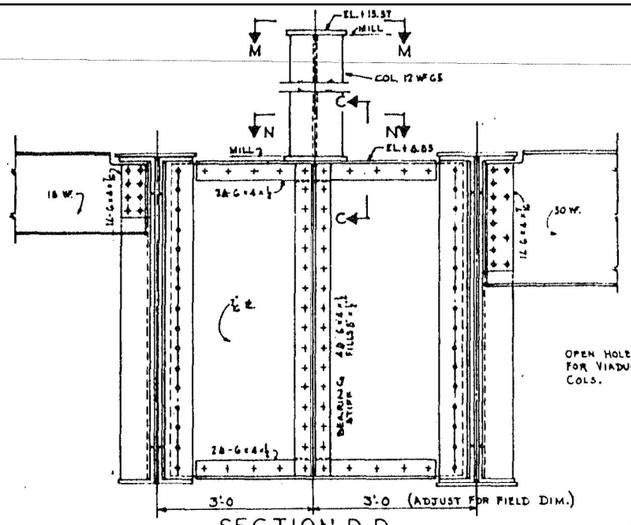
Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -
		DRAWN - ME	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

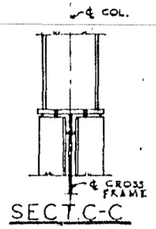
EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 11 OF 32 SHEETS | STA. | TO STA.

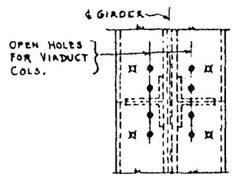
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	57
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



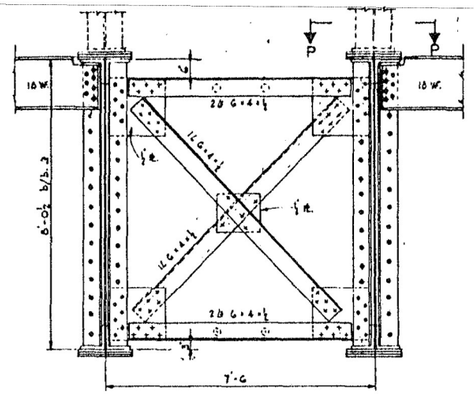
SECTION D-D



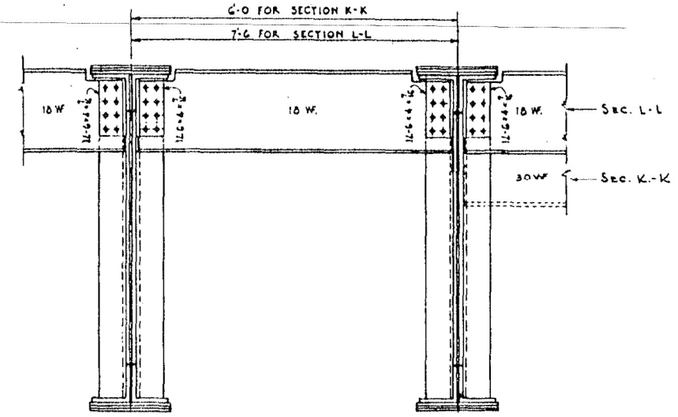
SECT C-C



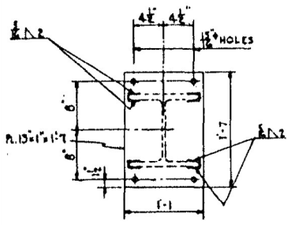
SECTION P-P



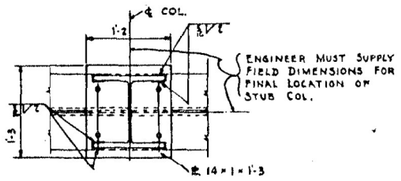
SECTION J-J



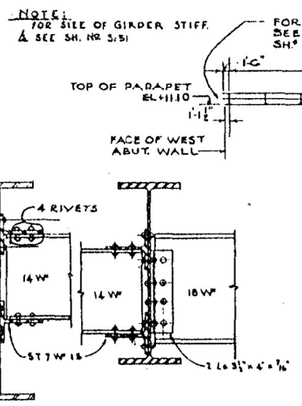
SECTION L-L
SECT K-K, SIMILAR



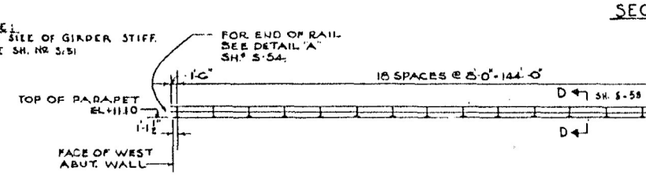
SECTION M-M



SECTION N-N



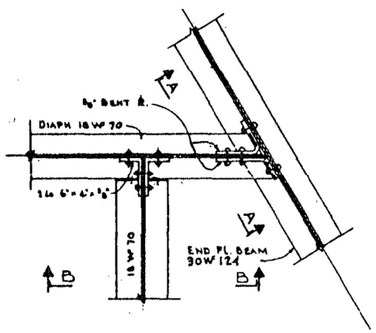
DIAPHRAGM AT FLOOR BEAM TYPICAL



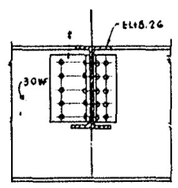
RAILING - NORTH SIDE OF VENT
LOOKING NORTH

RAILING - WEST END OF VENT
LOOKING WEST

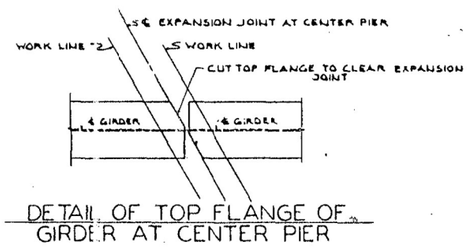
RAILING - EAST END OF VENT
LOOKING EAST



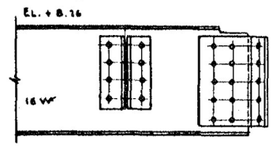
DETAIL I.



SECTION A - A



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER



SECTION B-B

FOR INFORMATION ONLY

NOTE:
FOR LOCATION OF SECTIONS C-C, D-D, J-J, K-K, & L-L SEE SH.° S-50
OPEN HOLES 1⅛" ℄ UNLESS NOTED.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY AT CARROLL ST.
STRUCTURAL STEEL

MODEL: Default
FILE NAME: O:\Engineering\Layout\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Dwl\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 12.dgn

Accurate GROUP, INC.

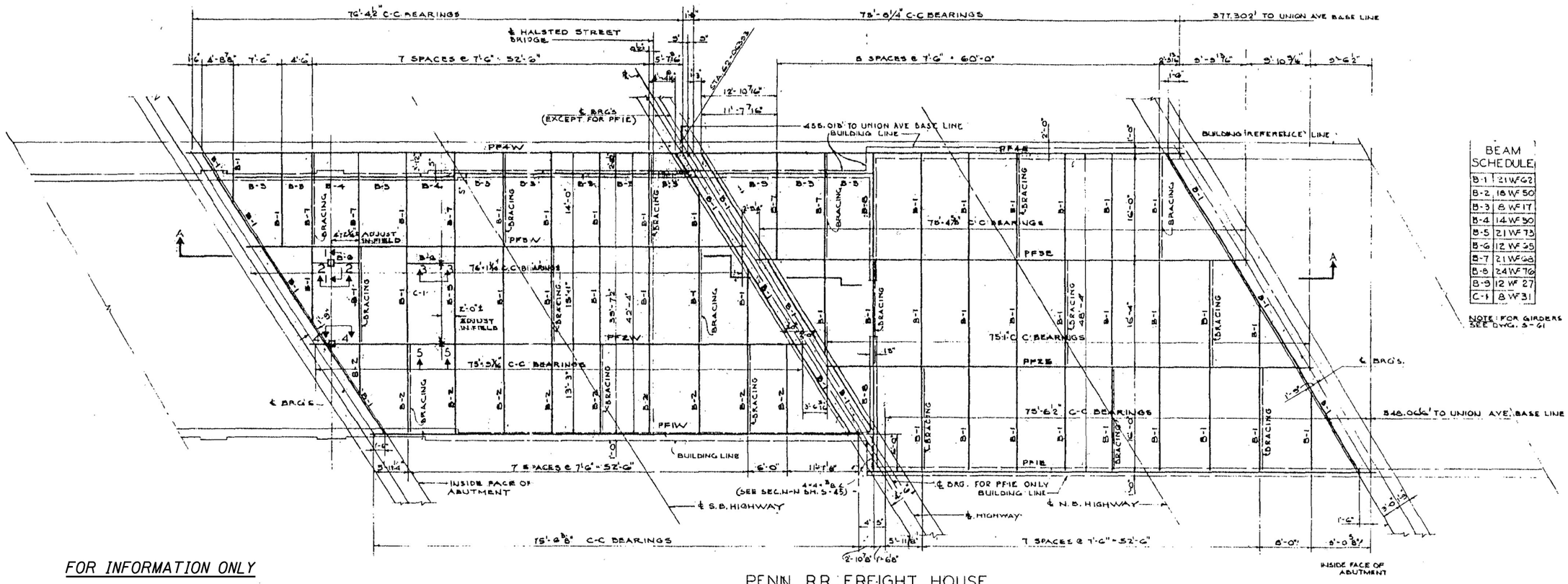
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 12 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	58
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

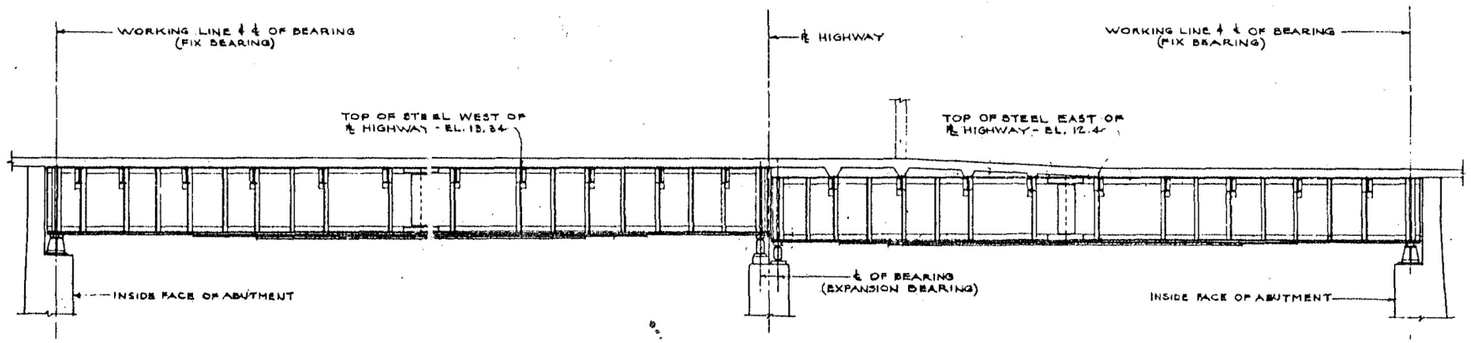


BEAM SCHEDULE	
B-1	21 WF 62
B-2	18 WF 50
B-3	8 WF 17
B-4	14 WF 30
B-5	21 WF 73
B-6	12 WF 35
B-7	21 WF 68
B-8	24 WF 76
B-9	12 WF 27
C-1	8 WF 31

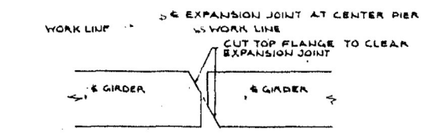
NOTE: FOR GIRDERS SEE DWGS. S-61

FOR INFORMATION ONLY

PENN. R.R. FREIGHT HOUSE FLOOR FRAMING PLAN



SECTION A-A



DETAIL OF TOP FLANGE OF GIRDER AT CENTER PIER

LIVE LOAD --- 600 LBS/SQ. FT.

NOTES

WORKING LINES ARE CURVES CONCENTRIC WITH ℄ OF SUPERHIGHWAY

FIELD AND SHOP CONNECTIONS ARE RIVETED. UNLESS OTHERWISE SHOWN. RIVETS ⅞" ϕ, EXCEPT AS NOTED

OPEN HOLES 15/16" ϕ, EXCEPT AS NOTED.

FOR TYPICAL BRACING DETAIL SEE SH. S-45.

EL. TOP OF STEEL = EL. BACK OF TOP FLANGE ANGLES OF GIRDERS.
STATIONS FROM UNION AVE BASE LINE ARE MEASURED ON BUILDING REFERENCE LINE.

FOR SECTIONS 2-2 THRU 5-5, SEE SHT. S-61.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

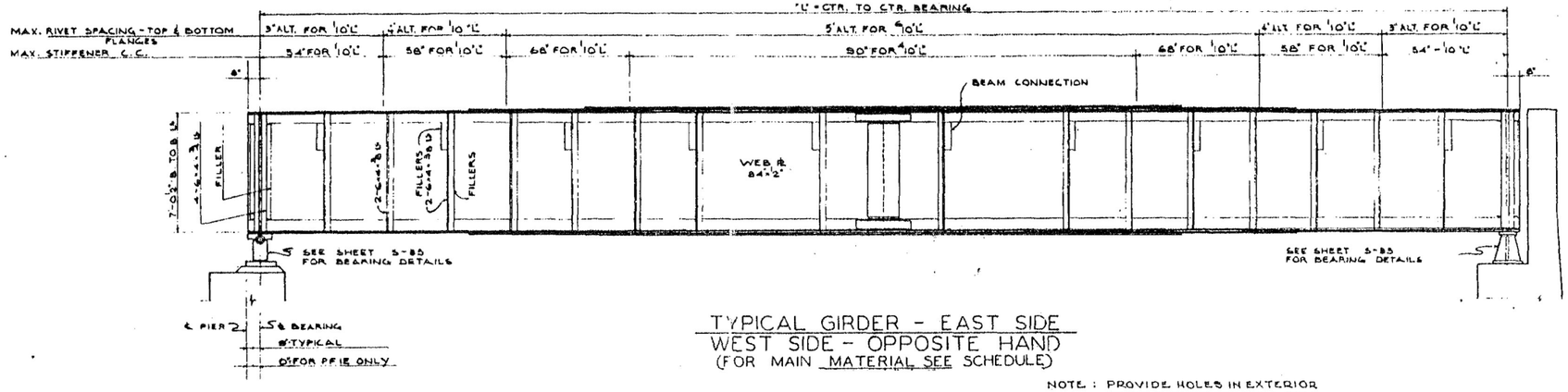
P.R.R. HALSTED ST. FREIGHT HOUSE
FLOOR FRAMING

MODEL: Default
FILE NAME: G:\Engineering\Layouts\Projects\20005 IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 13.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	**STATE OF ILLINOIS**	**EXISTING BRIDGE PLANS (SN 016-2020)**	
	DRAWN - ME	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**WB I-94 BRIDGE PAINTING & LIGHTING**	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -		SCALE: NONE	SHEET 13 OF 32 SHEETS STA. TO STA.
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	59
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

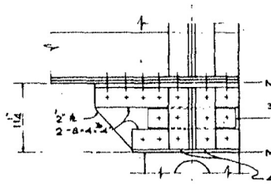


TYPICAL GIRDER - EAST SIDE
WEST SIDE - OPPOSITE HAND
(FOR MAIN MATERIAL SEE SCHEDULE)

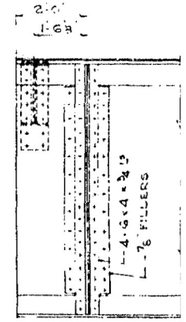
NOTE : PROVIDE HOLES IN EXTERIOR STIFFNERS OF GIRDERS PF1E, PF1W, PF4E & PF4W FOR REINFORCING BARS. (SEE SECTIONS D-D, E-E, B-B & C-C SH. NO. S-59

GIRDER SCHEDULE OF MAIN MATERIAL

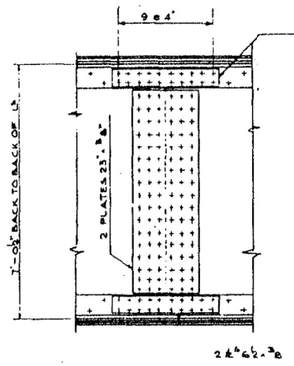
SECTION	PF1E PF4E	PF2E	PF3E PF2W	PF1W PF4W	PF3W
1 WEB PLATE	84"x1/2"	84"x1/2"	84"x1/2"	84"x1/2"	84"x1/2"
4 FLANGE ANGLES	8"x8"x7/8"	8"x8"x7/8"	8"x8"x7/8"	8"x8"x3/4"	8"x8"x7/8"
1ST COVER PL T & B	18"x1/2" CONTINUOUS	18"x3/4" CONTINUOUS	18"x3/4" CONTINUOUS	18"x1/2" CONTINUOUS	18"x7/8" CONTINUOUS
2ND COVER PL T & B	18"x1/2"x46'-0"	18"x3/4"x54'-0"	18"x3/4"x50'-0"	18"x1/2"x47'-0"	18"x3/4"x61'-0"
3RD COVER PL T & B	18"x1/2"x34'-0"	18"x5/8"x40'-0"	18"x3/4"x40'-0"	18"x1/2"x35'-0"	18"x3/4"x37'-0"



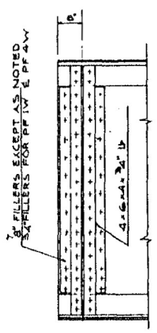
SHOE FOR PF 4W



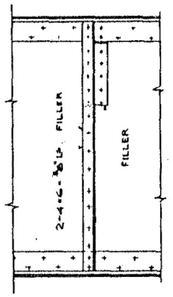
PF1E - WEST END DETAIL

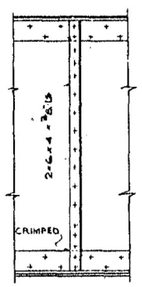


TYPICAL SPLICE



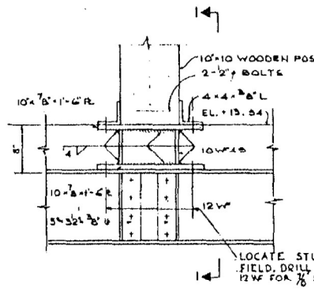
TYPICAL END



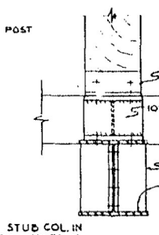


TYPICAL STIFFENER AT BEAM CONNECTION

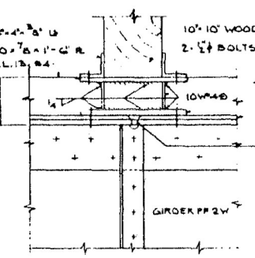
TYPICAL STIFFENER WITHOUT BEAM CONNECTION



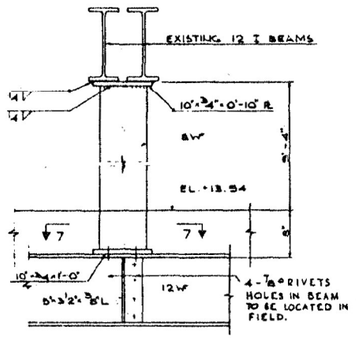
SECTION 2-2



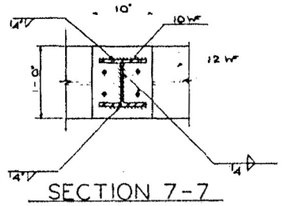
SECTION 1-1



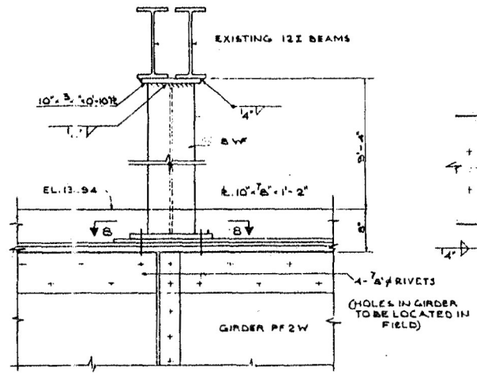
SECTION 4-4



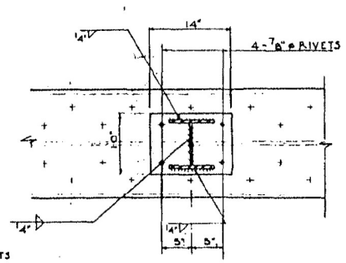
SECTION 3-3



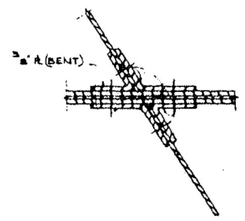
SECTION 7-7



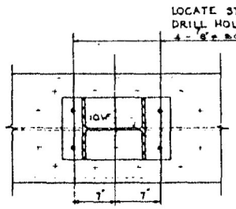
SECTION 5-5



SECTION 8-8



TYPICAL SKEWED CONNECTION



NOTE: FOR LOCATION OF SECTIONS 1 - 1, 2 - 2, 3 - 3, 4 - 4 & B - B, SEE SH. FS - 60

SECTION 6-6

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

P.R.R. HALSTED ST. FREIGHT HOUSE
STRUCTURAL STEEL

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: G:\Engineering\Layouts\2005 IDOT DUR\WD 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 14.dgn

Accurate GROUP, INC.

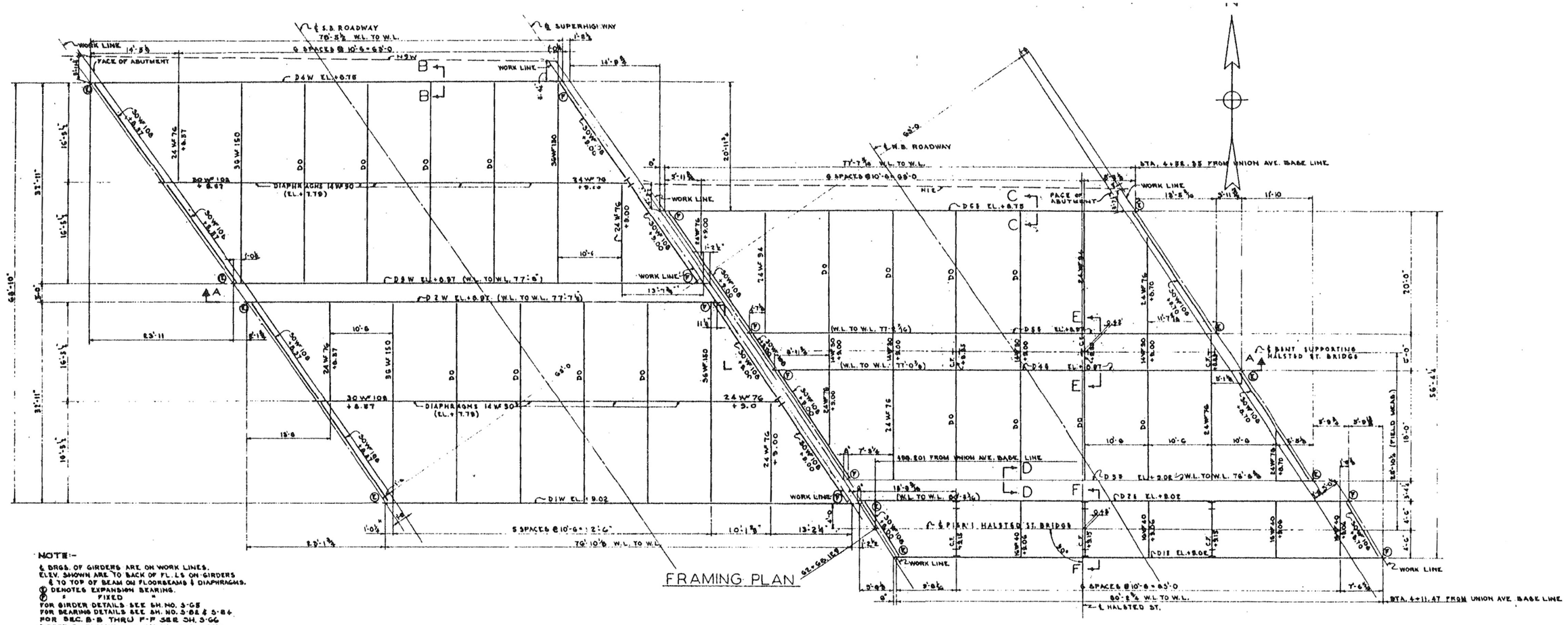
USER NAME = jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

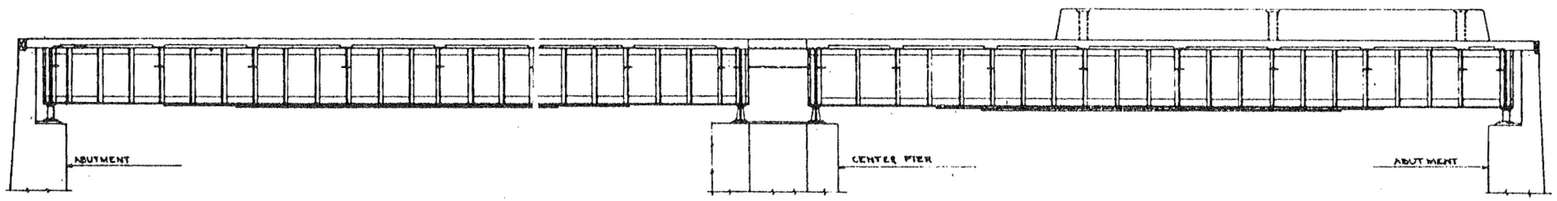
SCALE: NONE | SHEET 14 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	60
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



FRAMING PLAN

NOTE:-
℄ BRGS. OF GIRDERS ARE ON WORK LINES.
ELEV. SHOWN ARE TO BACK OF FL. LS ON GIRDERS & TO TOP OF BEAM ON FLOORBEAMS & DIAPHRAGMS.
⊕ DENOTES EXPANSION BEARING.
⊗ " FIXED "
FOR GIRDER DETAILS SEE SH. NO. 3-G5
FOR BEARING DETAILS SEE SH. NO. 3-B4 & 3-B4
FOR SEC. B-B THRU F-F SEE SH. 3-G6
GIRDER DIMENSIONS ARE CALCULATED FROM WORK LINE TO WORK LINE.



SECTION A-A

STATIONS FROM UNION AVE. BASE LINE ARE MEASURED ON ℄ OF PIER 1 HALSTED ST. BRIDGE.

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY SOUTH OF KINZIE ST.
FRAMING PLAN

MODEL: Default
FILE NAME: C:\Engineering\Active Projects\20005 IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\062136\D182024-SHT - 2022 EXISTING BRIDGE PLAN 15.dgn

Accurate GROUP, INC.

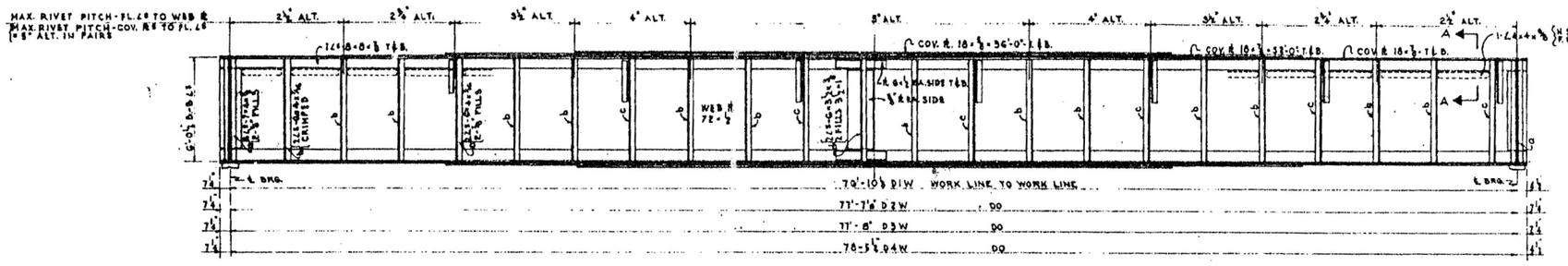
USER NAME = Jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

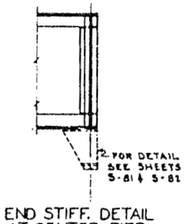
EXISTING BRIDGE PLANS (SN 016–2020)
WB I–94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 15 OF 32 SHEETS | STA. | TO STA.

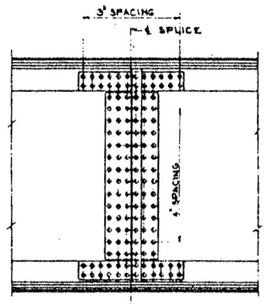
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	61
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



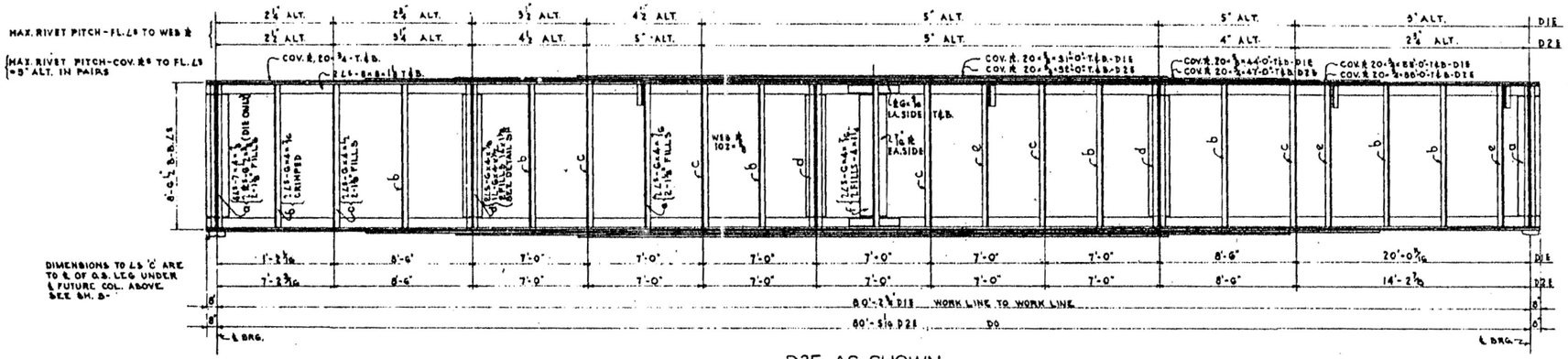
D2W AS SHOWN
D1W - D3W - D4W AS NOTED



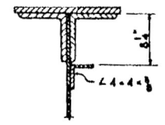
END STIFF. DETAIL
AT CENTER PIER
FOR D1W & D4W



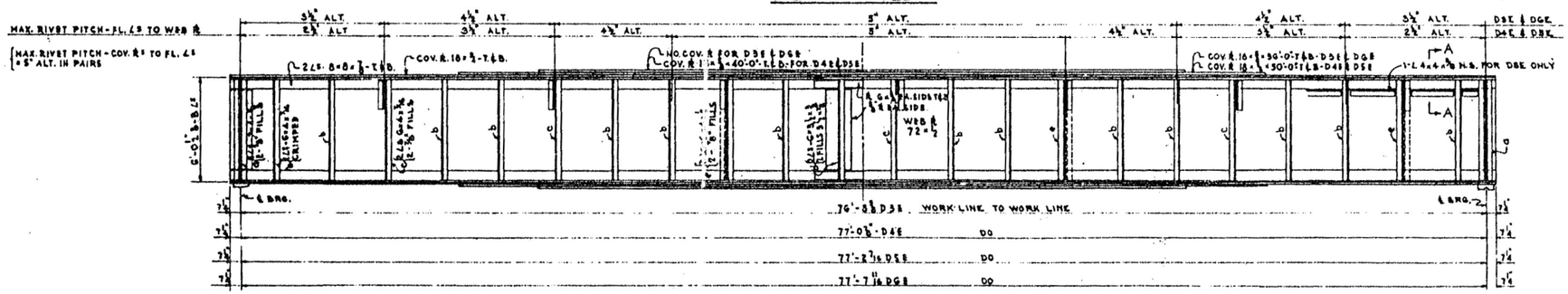
TYPICAL WEB SPLICE



D2E AS SHOWN
D1E AS NOTED



SECTION A-A



D4E AS SHOWN
D3E - D5E - D6E AS NOTED

FOR INFORMATION ONLY

ALL COV. ℄ CUTOFFS SYMMETRICAL ABOUT ℄ GIRDER.
FOR FLOORBEAM SPACING SEE FRAMING PLAN SH. NO. 5-94
FOR BEARINGS SEE SH. NO. 5-81, 5-82 & 5-84
FOR EXTENT OF FILLS UNDER END BEARING STIFFENERS SEE END FLOOR-BEAM DETAILS SH. NO. 5-96
RIVETS ⅞" (SHOP & FIELD RIVETED) UNLESS NOTED.
HOLES 15/16" UNLESS NOTED

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY SOUTH OF KINZIE ST.
STRUCTURAL STEEL

MODEL: Default
FILE NAME: G:\Engineering\Layouts\2000S IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 16.dgn

Accurate GROUP, INC.

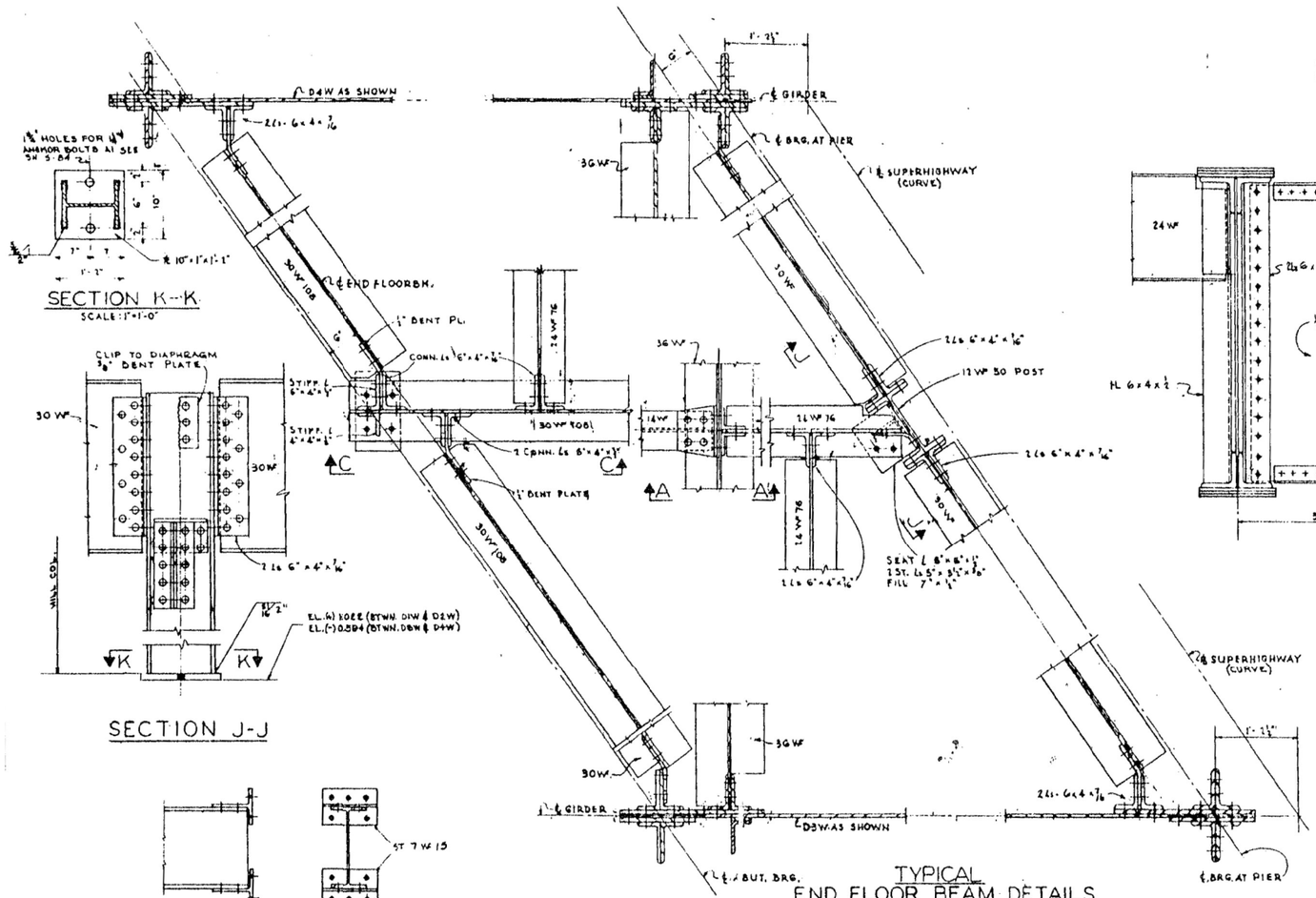
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 16 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	62
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

DRIVEWAY SOUTH OF KINZIE ST.
STRUCTURAL STEEL

MODEL: Default
FILE NAME: G:\Engineering\Live Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 17.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 17 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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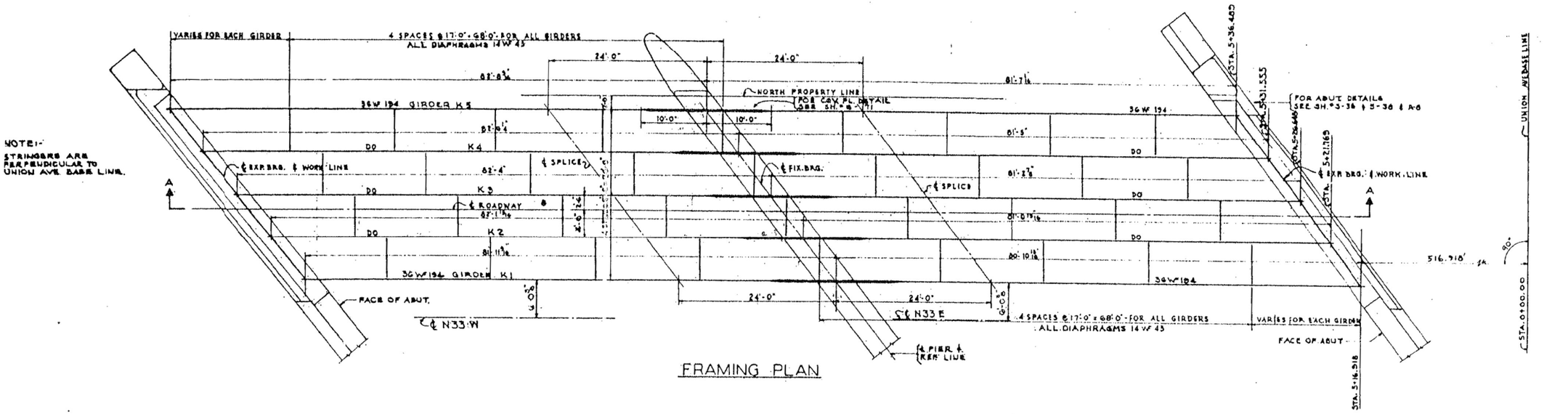
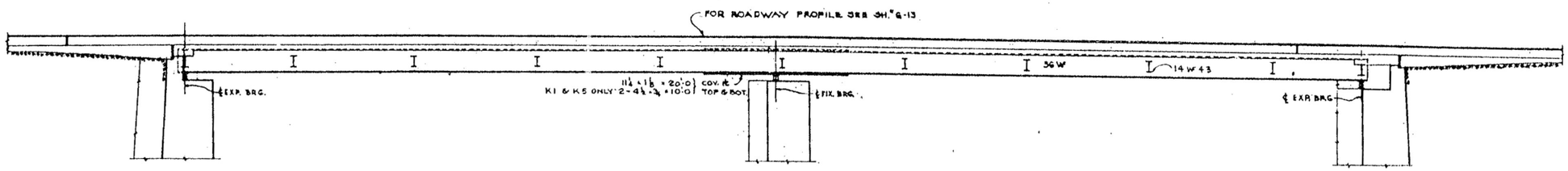
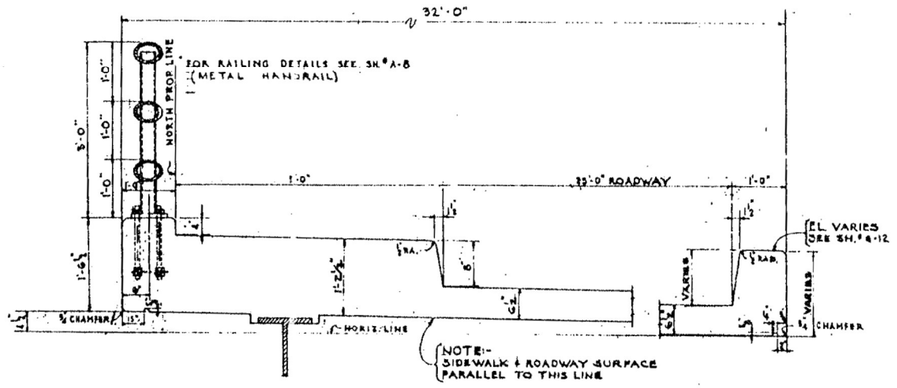
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			



FRAMING PLAN



SECTION A - A



CURB DETAIL

FOR INFORMATION ONLY

NOTE:-
STRINGER LENGTHS SHOWN ON THE FRAMING PLAN ARE CALCULATED BETWEEN CURVES SHOWN AS WORK LINES OR ℄ PIER. STRINGERS MAY BE DETAILED WITH A REASONABLE VARIATION FROM THEORETICAL WORK LINES.

MATERIAL
STRUCTURAL STEEL A.S.T.M. A7 EXCEPT AS FOLLOWS:
36W 194 AND WELDED FLANGE PLATES 1" OR MORE IN THICKNESS TO BE A.S.T.M. A 373-54T.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

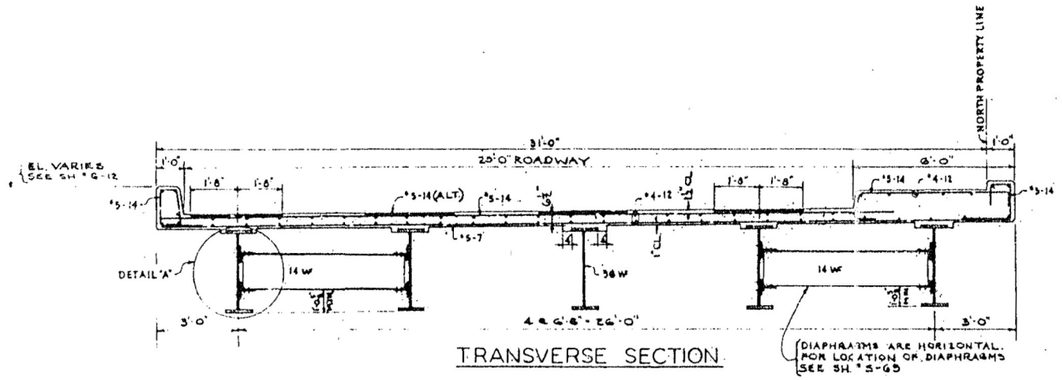
KINZIE ST. BRIDGE
FRAMING PLAN

MODEL: Default
FILE NAME: C:\Engineering\Live Projects\2000s\IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Ckt\62U36\D1620U24-SHT - 2022 EXISTING BRIDGE PLAN 18.dgn

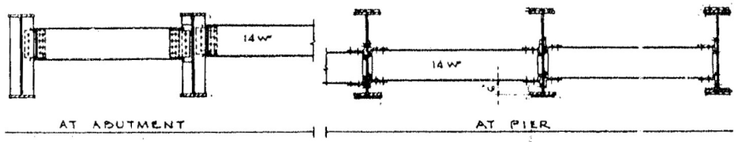
Accurate GROUP, INC.

USER NAME = Jdavis	DESIGNED - ME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING BRIDGE PLANS (SN 016-2020) WB I-94 BRIDGE PAINTING & LIGHTING
	DRAWN - ME	REVISED -		
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -		
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE | SHEET 18 OF 32 SHEETS | STA. TO STA.

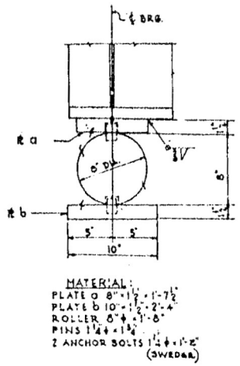
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	64
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

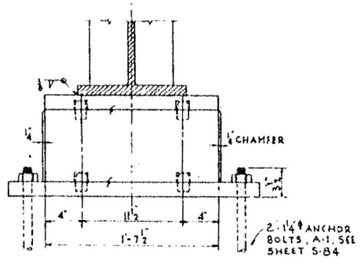


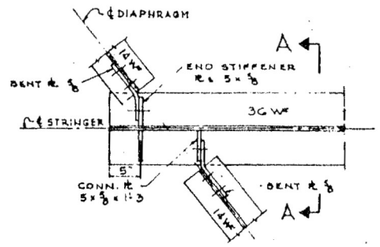
TRANSVERSE SECTION



DIAPHRAGM AT ABUTMENT & PIER

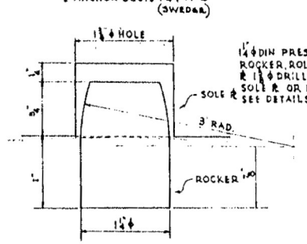




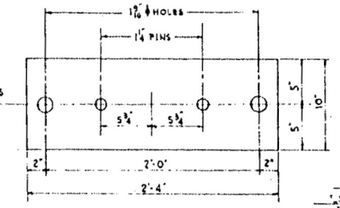


PLAN AT WEST ABUTMENT

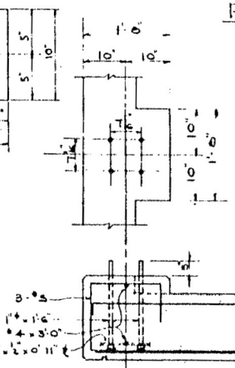
EAST ABUTMENT SIMILAR



DETAIL OF PINS

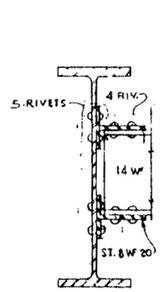


BASE PLATE DETAIL

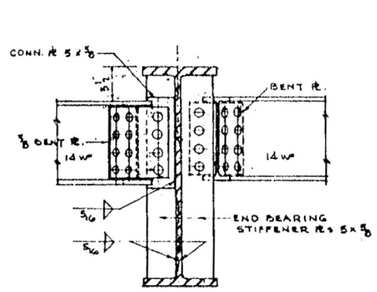


CURB AT LIGHT STANDARD

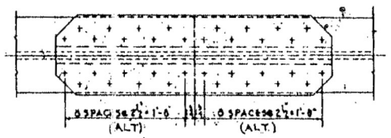
EXPANSION BEARING AT ABUTMENTS



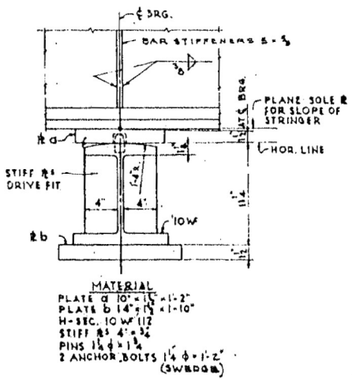
DETAIL 'A'

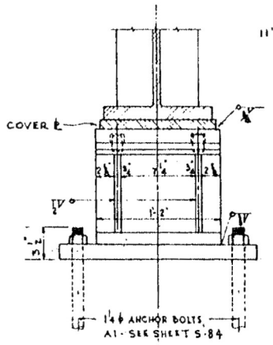


SECTION A-A

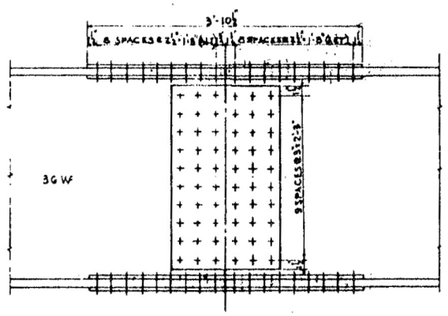


PLAN OF 36 WF SPLICE

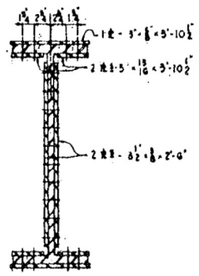




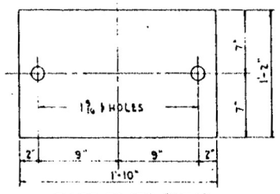
OPEN HOLES 1⅛ϕ UNLESS NOTED.
RIVETS ⅞ϕ
FIELD CONNECTIONS RIVETED.



36 WF SPLICE



FOR INFORMATION ONLY



BASE PLATE DETAIL

FIXED BEARING AT PIER

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

KINZIE ST. BRIDGE
STRUCTURAL STEEL

MODEL: Default
FILE NAME: Q:\Engineering\LevelProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1162U24-SHT - 2022 EXISTING BRIDGE PLAN 19.dgn

Accurate GROUP, INC.

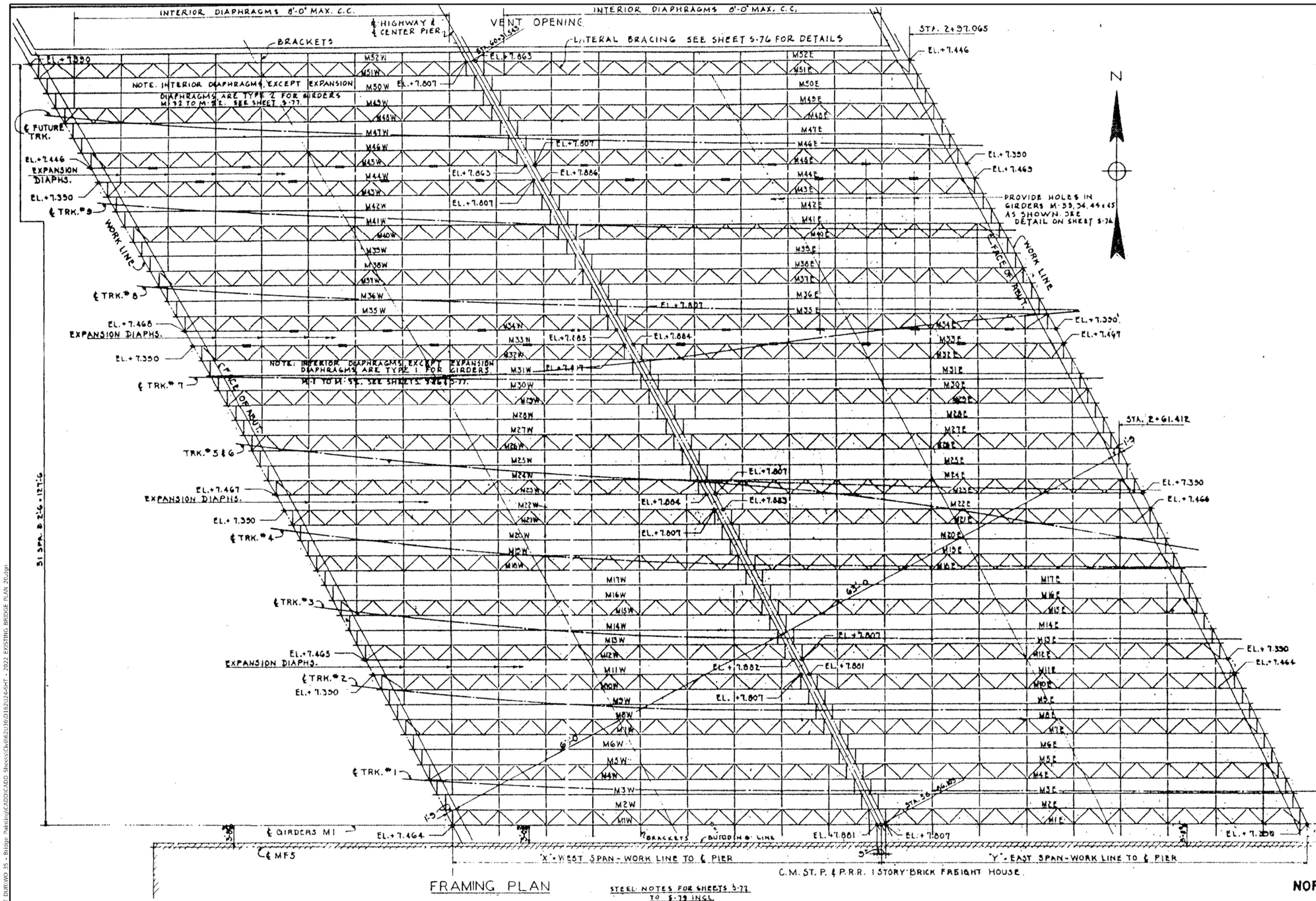
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 19 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	65
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		


INTERIOR DIAPHRAGMS 8'-0" MAX. C.C.
INTERIOR DIAPHRAGMS 8'-0" MAX. C.C.
℄ HIGHWAY & ℄ CENTER PIER
VENT OPENING
BRACKETS
LATERAL BRACING SEE SHEET S-76 FOR DETAILS
STA. 2+97.065
EL.+7.446
EL.+7.663
EL.+7.807
NOTE. INTERIOR DIAPHRAGMS, EXCEPT EXPANSION DIAPHRAGMS, ARE TYPE 2 FOR GIRDERS M-32 TO M-52. SEE SHEET S-77.
℄ FUTURE TRK.
EL.+7.446 EXPANSION DIAPHS.
EL.+7.350
℄ TRK.* 9
WORK LINE
℄ TRK.* 8
EL.+7.468 EXPANSION DIAPHS.
EL.+7.350
NOTE. INTERIOR DIAPHRAGMS, EXCEPT EXPANSION DIAPHRAGMS, ARE TYPE 1 FOR GIRDERS M-1 TO M-31. SEE SHEETS S-76 & S-77.
℄ TRK.* 7
EL.+7.807
EL.+7.885
EL.+7.884
EL.+7.350
EL.+7.497
EL.+7.350
EL.+7.466
EL.+7.350
EL.+7.464
EL.+7.807
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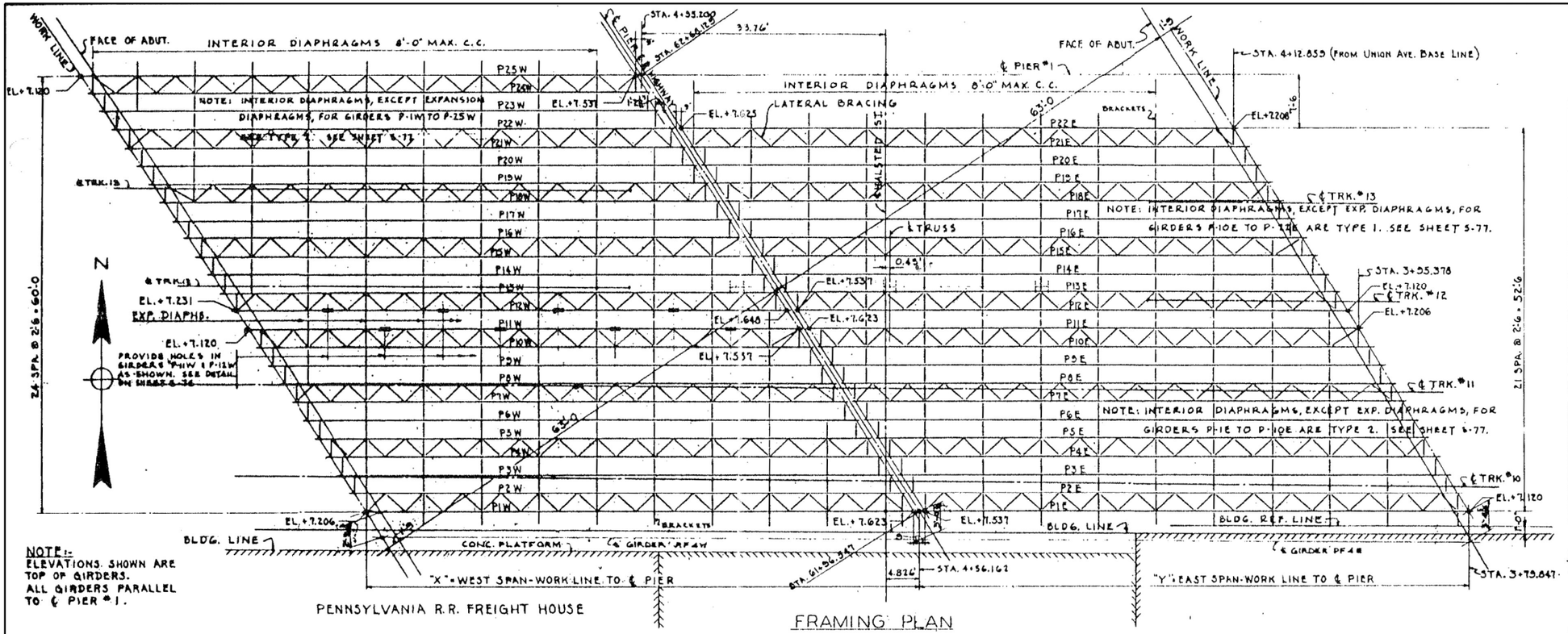
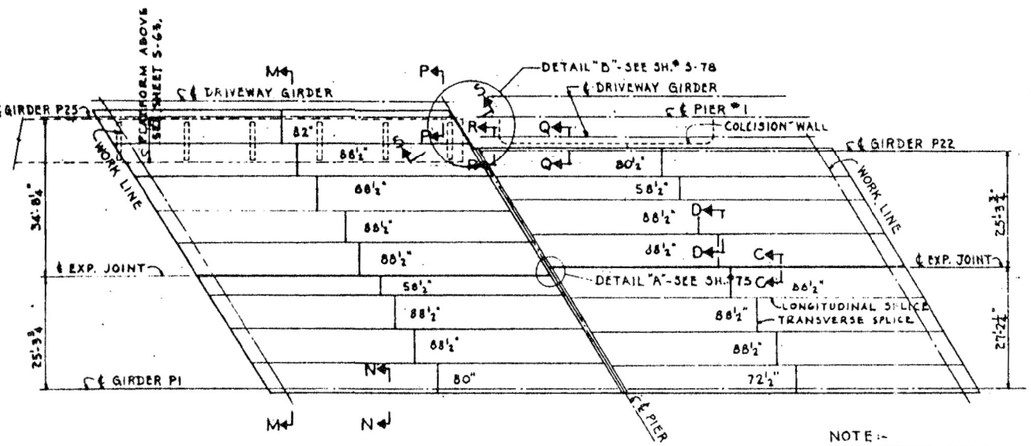
EL.+7.807
EL.+7.807



TRACK GIRDER SCHEDULE			
WEST SPAN		EAST SPAN	
MARK	"X"	MARK	"Y"
P1W	76.995'	P1E	76.315'
P2W	77.046'	P2E	76.363'
P3W	77.098'	P3E	76.411'
P4W	77.149'	P4E	76.458'
P5W	77.200'	P5E	76.506'
P6W	77.252'	P6E	76.553'
P7W	77.304'	P7E	76.602'
P8W	77.356'	P8E	76.651'
P9W	77.408'	P9E	76.700'
P10W	77.461'	P10E	76.748'
P11W	77.513'	P11E	76.797'
P12W	77.565'	P12E	76.846'
P13W	77.619'	P13E	76.895'
P14W	77.672'	P14E	76.944'
P15W	77.726'	P15E	76.993'
P16W	77.779'	P16E	77.042'
P17W	77.832'	P17E	77.094'
P18W	77.887'	P18E	77.144'
P19W	77.941'	P19E	77.195'
P20W	77.996'	P20E	77.245'
P21W	78.050'	P21E	77.296'
P22W	78.105'	P22E	77.346'
P23W	78.160'	———	———
P24W	78.214'	———	———
P25W	78.269'	———	———

NOTE:-
ELEVATIONS SHOWN ARE TOP OF GIRDERS.
ALL GIRDERS PARALLEL TO ℄ PIER #1.

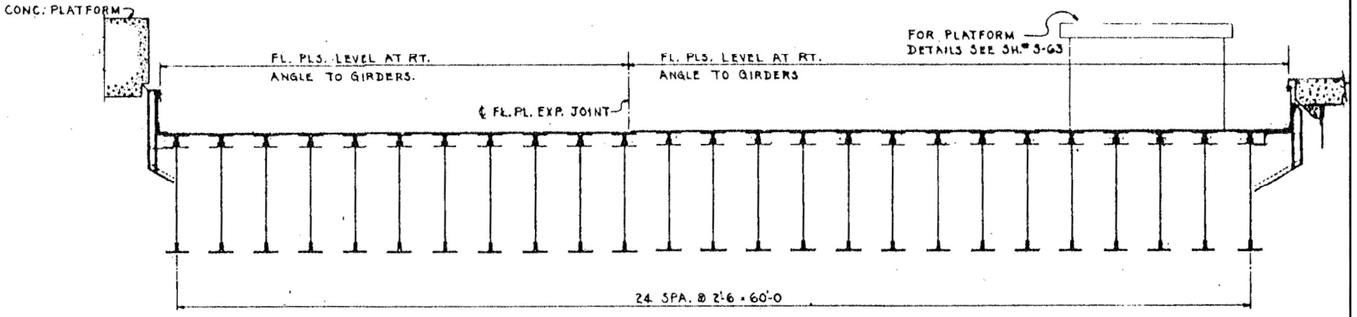
NOTE:-
DIMENSIONS IN TABLE ARE CALCULATED BETWEEN CURVES SHOWN AS WORK LINES ℄ ℄ PIER. GIRDERS MAY BE DETAILED IN GROUPS OF 5 OR 6 OF EQUAL LENGTH. SEE SH. G-3 FOR DATA ON CURVE OF WORK LINES ℄ ℄ PIER.



FLOOR PLATE PLAN

⅜" FLOOR PLATES (A.S.) WIDTHS SHOWN ON PLAN

NOTE:-
FOR SECTIONS N-N, P-P, Q-Q, R-R & S-S SEE SH.# 3-78
FOR SECTIONS C-C & D-D SEE SH.# 3-75



SECTION M-M

NOTE:
STATIONS FROM UNION AVE. BASE LINE ARE MEASURED ON ℄ OF PIER #1 OF THE HALSTED ST. BRIDGE.

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR FRAMING
TRACKS 10 TO 14

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1621224.SHT - 2022 EXISTING BRIDGE PLAN 2.sdgn

Accurate GROUP, INC.

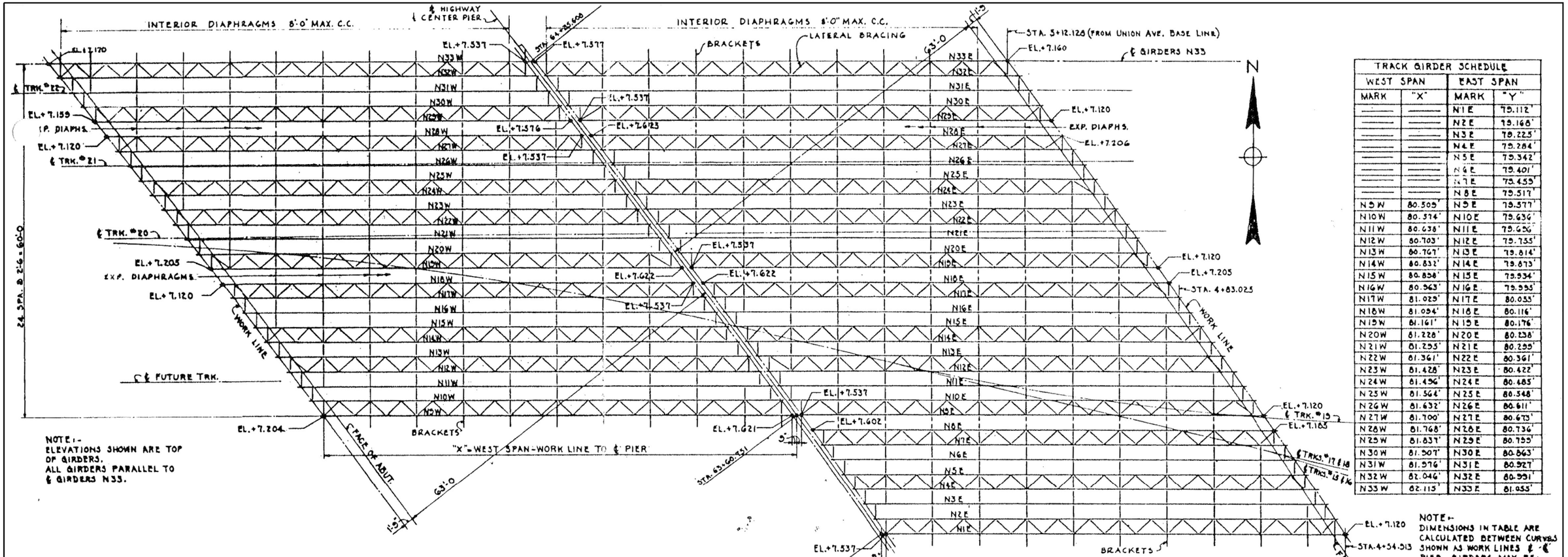
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

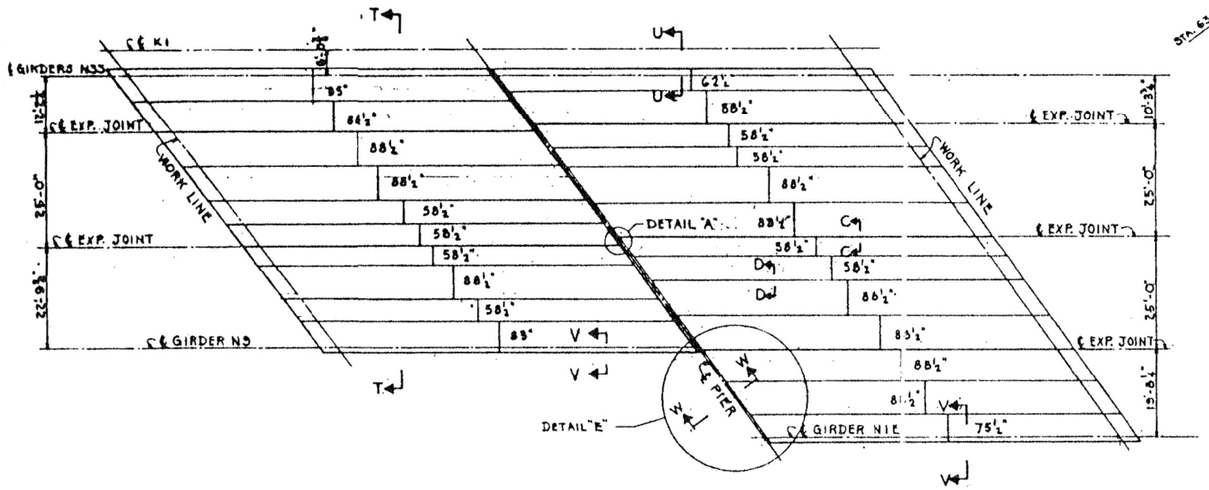
SCALE: NONE | SHEET 21 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	67
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



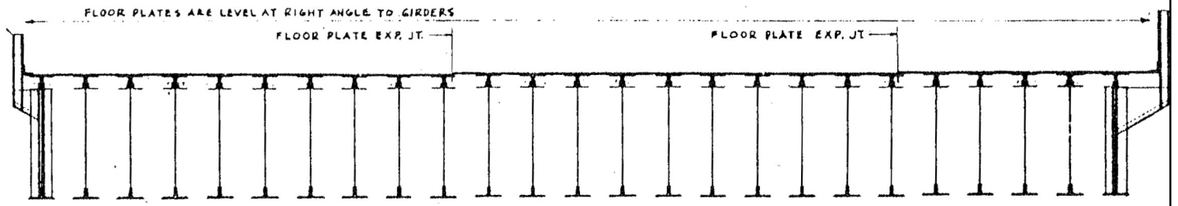
TRACK GIRDER SCHEDULE			
WEST SPAN		EAST SPAN	
MARK	"X"	MARK	"Y"
———	———	N1E	79.112'
———	———	N2E	79.168'
———	———	N3E	79.225'
———	———	N4E	79.284'
———	———	N5E	79.342'
———	———	N6E	79.401'
———	———	N7E	79.459'
———	———	N8E	79.517'
N9W	80.505'	N9E	79.577'
N10W	80.574'	N10E	79.636'
N11W	80.638'	N11E	79.696'
N12W	80.703'	N12E	79.755'
N13W	80.767'	N13E	79.814'
N14W	80.832'	N14E	79.873'
N15W	80.898'	N15E	79.934'
N16W	80.963'	N16E	79.995'
N17W	81.029'	N17E	80.055'
N18W	81.094'	N18E	80.116'
N19W	81.161'	N19E	80.176'
N20W	81.228'	N20E	80.238'
N21W	81.295'	N21E	80.299'
N22W	81.361'	N22E	80.361'
N23W	81.428'	N23E	80.422'
N24W	81.496'	N24E	80.485'
N25W	81.564'	N25E	80.548'
N26W	81.632'	N26E	80.611'
N27W	81.700'	N27E	80.673'
N28W	81.768'	N28E	80.736'
N29W	81.837'	N29E	80.799'
N30W	81.907'	N30E	80.863'
N31W	81.976'	N31E	80.927'
N32W	82.046'	N32E	80.991'
N33W	82.115'	N33E	81.055'

NOTE:-
DIMENSIONS IN TABLE ARE CALCULATED BETWEEN CURVES SHOWN AS WORK LINES ℄ ℄ PIER. GIRDERS MAY BE DETAILED IN GROUPS OF 5 OR 6 EQUAL LENGTHS. SEE SH.# 6-3 FOR DATA ON CURVE OF WORK LINES AND ℄ PIER.



FLOOR PLATE PLAN

9/16" FLOOR PLATES (A.5.) WIDTHS SHOWN ON PLAN



SECTION T-T

NOTES:
DETAIL A, SECTIONS C-C, D-D SEE SHEET S-75
SECTION U-U SEE SHEET S-76
SECTIONS V-V & W-W AND DETAIL E SEE SHEET S-79

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR FRAMING
TRACKS 15 TO 22

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 22 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	68
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

MODEL: Default
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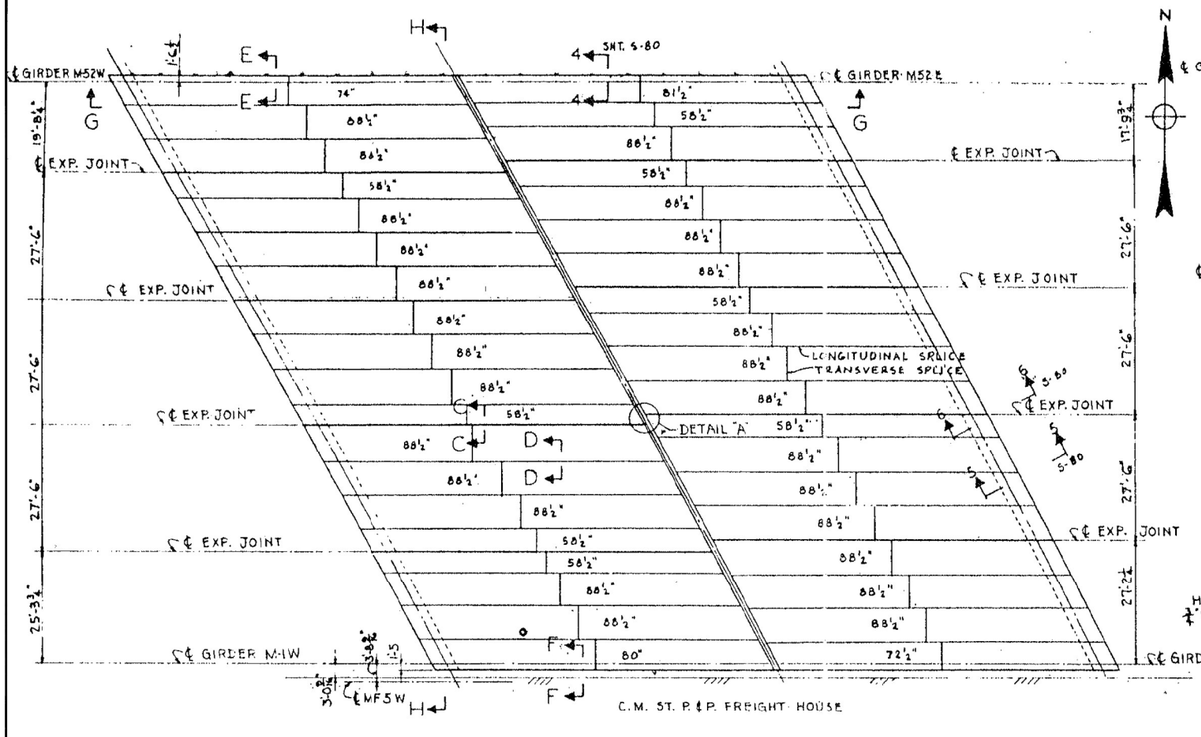
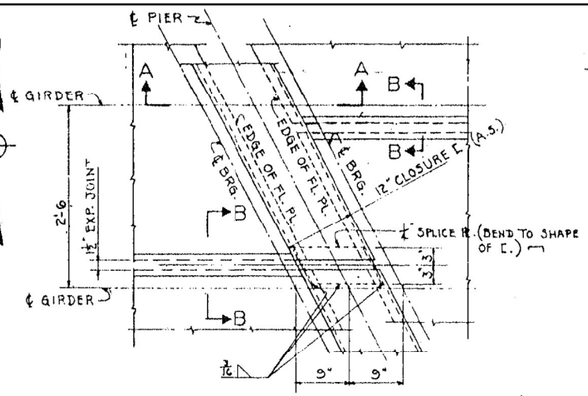
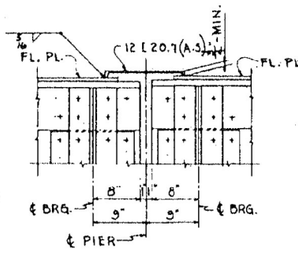


PLAN OF FLOOR PLATES

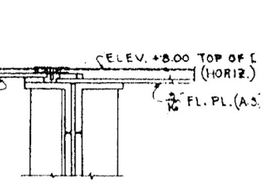
9/16" FLOOR PLATE (A.S.) WIDTHS SHOWN ON PLAN



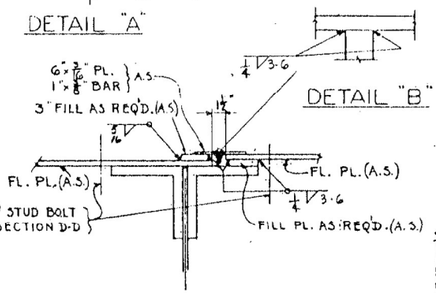
DETAIL "A"



SECTION A-A

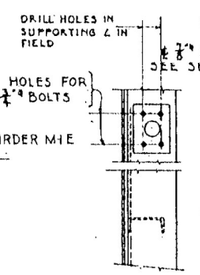


SECTION B-B

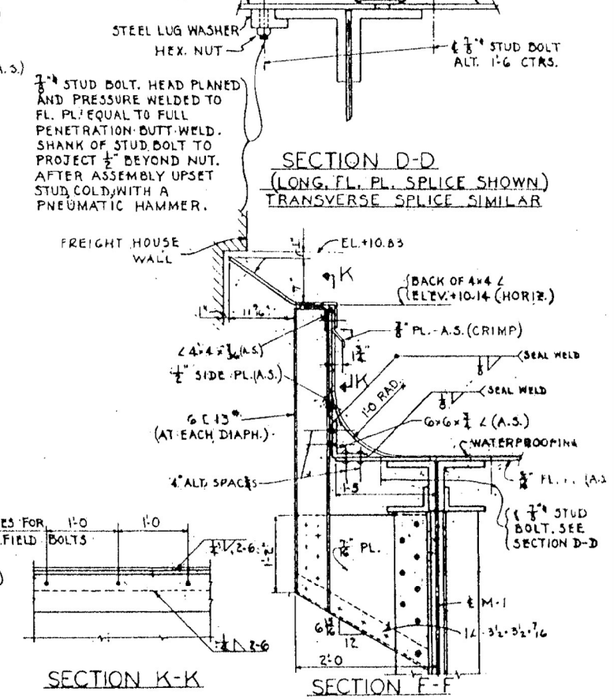


DETAIL "B"

SECTION C-C
(TYPICAL FL. PL. EXP. JOINT)



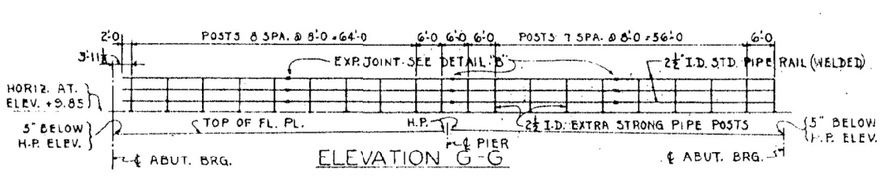
SECTION L-L



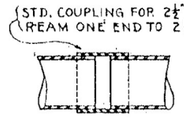
SECTION D-D
(LONG. FL. PL. SPLICE SHOWN)
TRANSVERSE SPLICE SIMILAR

SECTION K-K

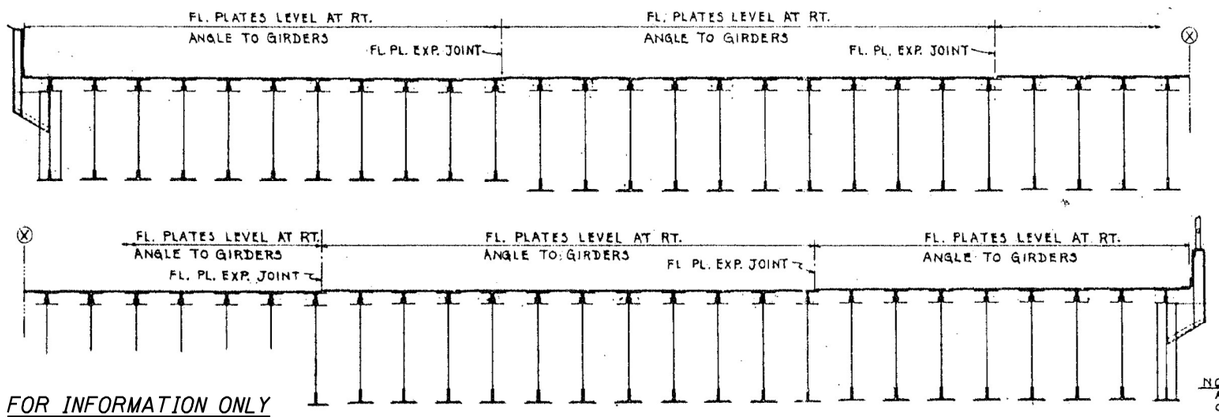
SECTION F-F



ELEVATION G-G

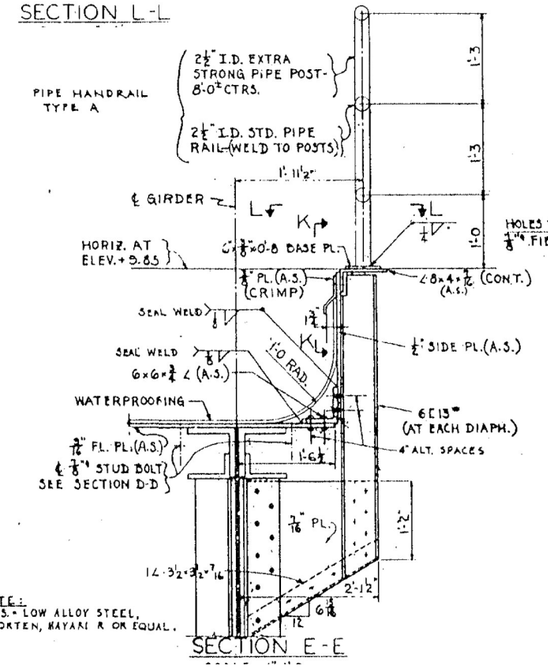


DETAIL "B"



SECTION H-H

FOR INFORMATION ONLY



SECTION E-E

NOTE:
A.S. = LOW ALLOY STEEL, CORTEN, MAYARI R OR EQUAL.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR PLATES
TRACKS 1 TO 10

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -
	DRAWN - ME	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

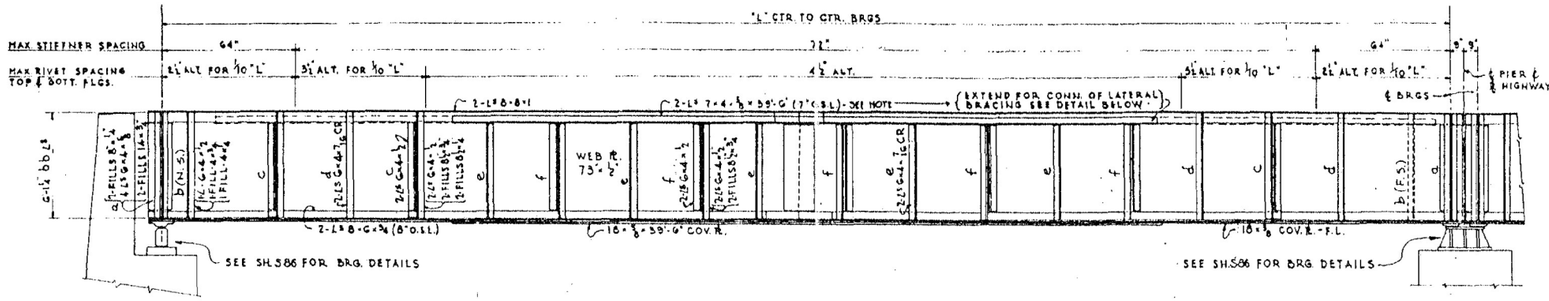
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 23 OF 32 SHEETS | STA. | TO STA.

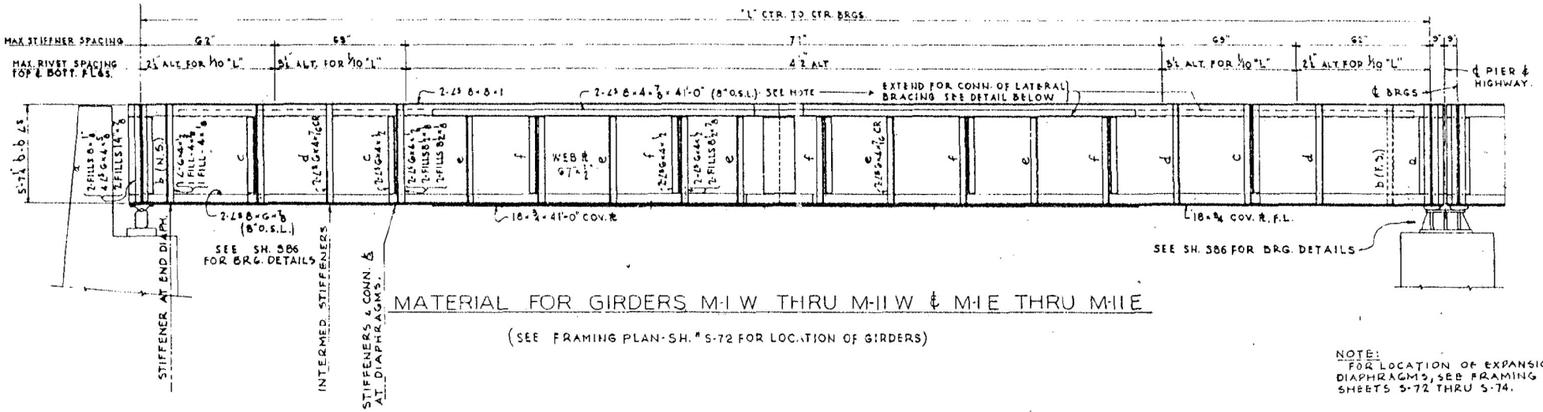
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	69
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

MODEL: Default
FILE NAME: C:\Engineering\Live Projects\2020\5 JDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Ckt\R02\5180162U36\02U36162024-SHT - 2022 EXISTING BRIDGE PLAN 24.dgn



MATERIAL FOR GIRDERS M-12 W THRU M-52 W & M-12 E THRU M-52 E

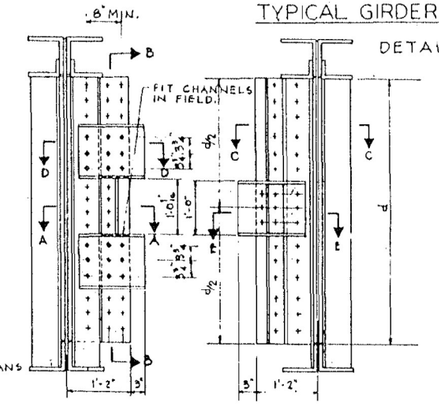
(SEE FRAMING PLAN - SH.# S-72 FOR LOCATION OF GIRDERS)



MATERIAL FOR GIRDERS M-1 W THRU M-11 W & M-1 E THRU M-11 E

(SEE FRAMING PLAN - SH.# S-72 FOR LOCATION OF GIRDERS)

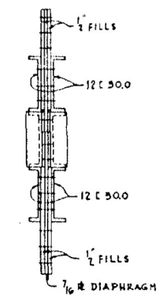
NOTE:
FOR LOCATION OF EXPANSION DIAPHRAGMS, SEE FRAMING PLANS SHEETS S-72 THRU S-74.



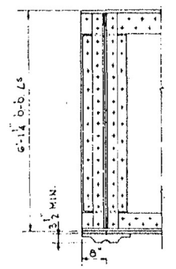
TYPICAL GIRDER DETAILS (M12 THRU M52)

SCALE: ½" = 1'-0"

DETAILS FOR M-1 THRU M-11 SIMILAR

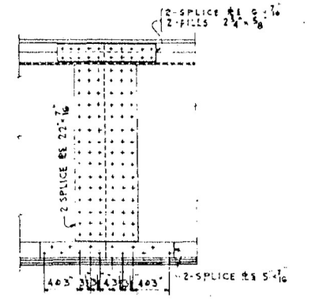


SECTION B-B

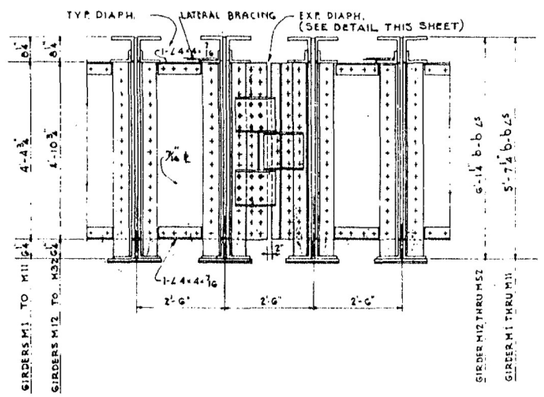


NOTE:
SOLE PLATE THICKNESS TO VARY ACCORDING TO ELEVATION REQUIRED AT TOP OF GIRDERS. MIN. THICKNESS TO BE 3½"

STIFFS. AT DIAPH.

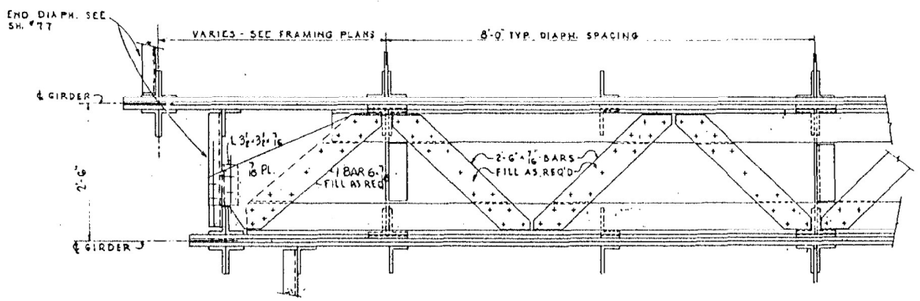


WEB SPLICE

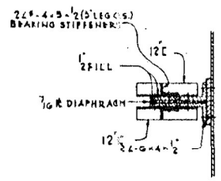


INTERIOR DIAPHRAGMS - TYPE 1 AND EXP. DIAPHRAGM

FOR TYPE 2 DIAPHRAGMS - GIRDERS M-32 TO M-52 - SEE SH. S-77.



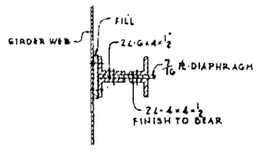
LATERAL BRACING DETAILS



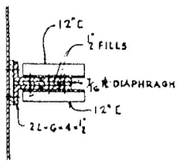
SECTION E-E

SLOTTED BRACKET BEARING BRACKET

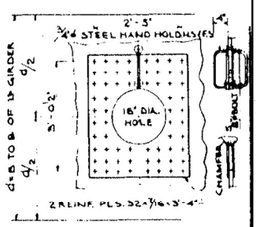
EXPANSION DIAPHRAGM



SECTION A-A
SEC. C-C OPP HAND



SECTION D-D



HOLE FOR GIRDERS
M-33,34,44,&45E & W; P-11 & 12 W
FOR LOCATION SEE SHTS S-72 AND S-73

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR STEEL
TRACKS 1 TO 9

MODEL: Default
FILE NAME: G:\Engineering\Level\Projects\20005 IDOT DUR-WD 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 25.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 24 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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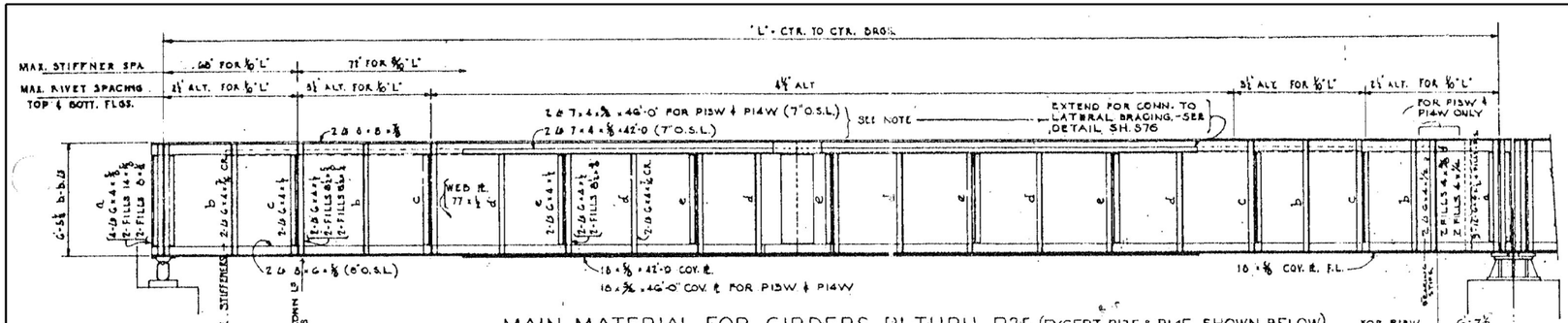
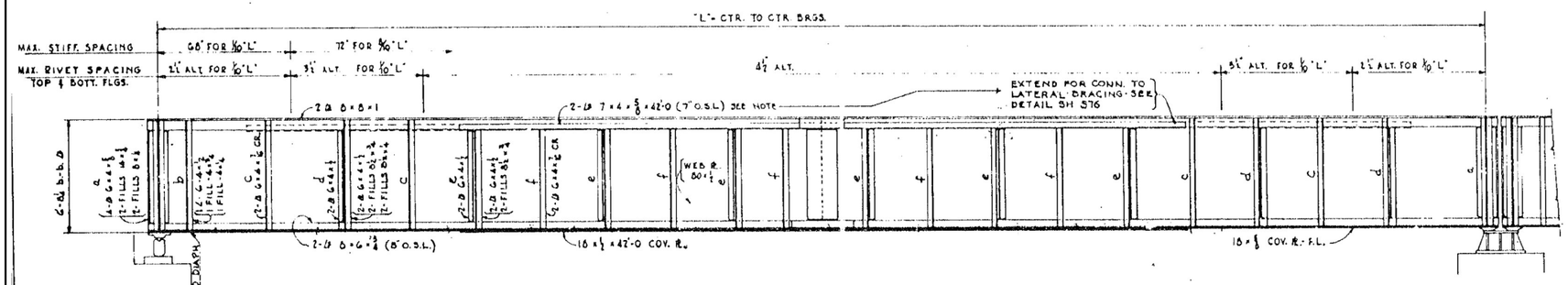
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



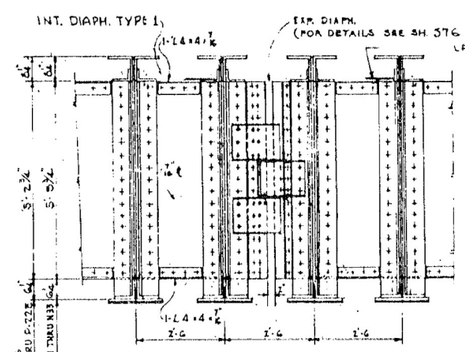
MAIN MATERIAL FOR GIRDERS P1 THRU P25 (EXCEPT P13E & P14E SHOWN BELOW)

(SEE FRAMING PLAN — SH. NO. S-73 FOR LOCATION OF GIRDERS)

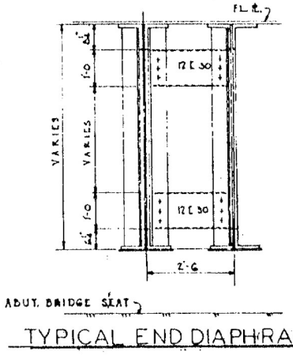


MAIN MATERIAL FOR GIRDERS N1 THRU N33

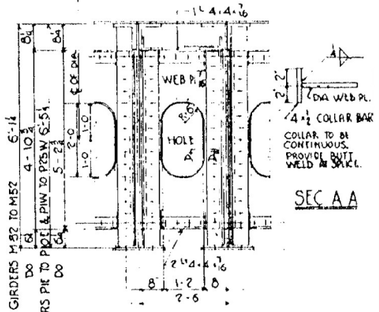
(SEE FRAMING PLAN - SH. NO. S-74 FOR LOCATION OF GIRDERS)



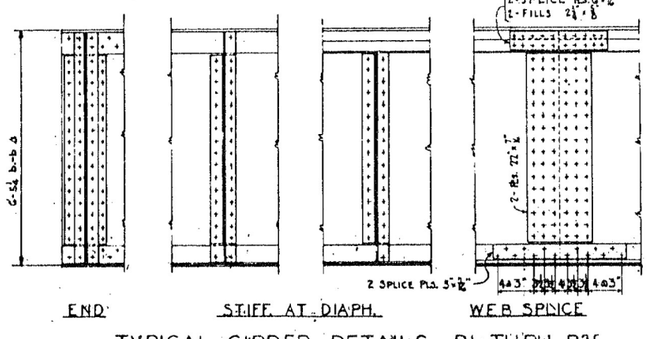
INTERIOR DIAPHRAGM TYPE 1 AND EXP DIAPHRAGM



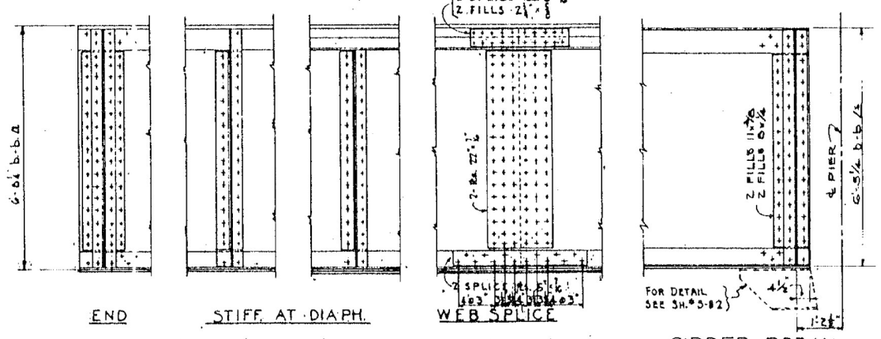
TYPICAL END DIAPHRAGM



INT. DIAPHRAGM TYPE 2

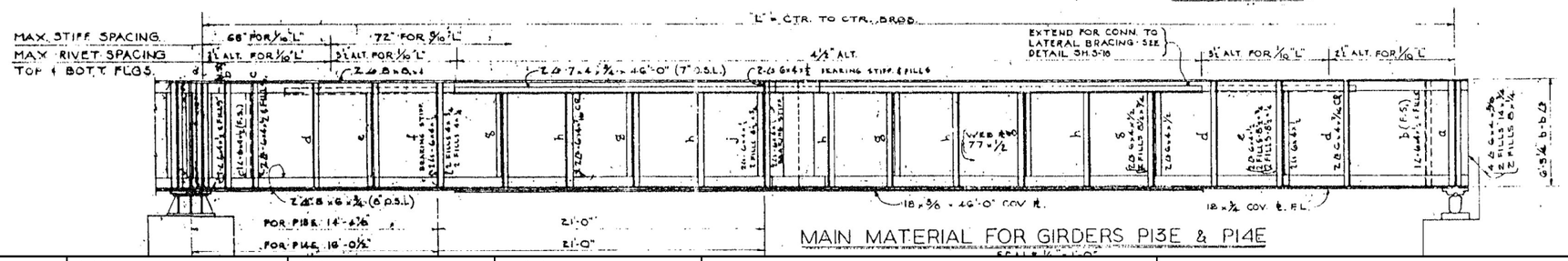


TYPICAL GIRDER DETAILS - P1 THRU P25



TYPICAL GIRDER DETAILS - N1 THRU N33

GIRDER P23 W AT PIER END ONLY



MAIN MATERIAL FOR GIRDERS P13E & P14E

SCALE ½" = 1'-0"

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR STEEL
TRACKS 10 TO 22

MODEL: Default
FILE NAME: G:\Engineering\Level\Projects\20005 IDOT DUR-WD 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 26.dgn

Accurate GROUP, INC.

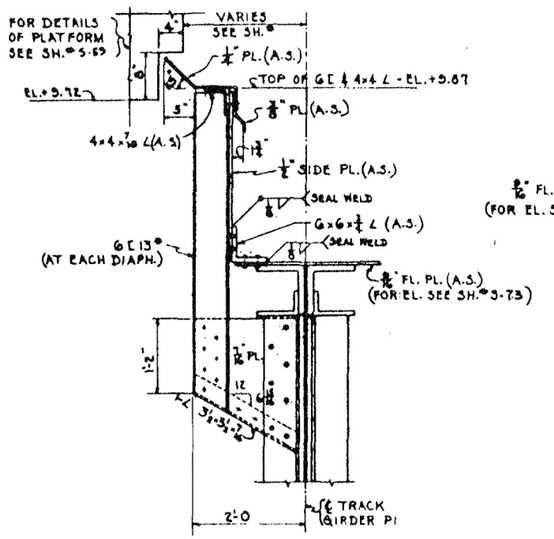
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

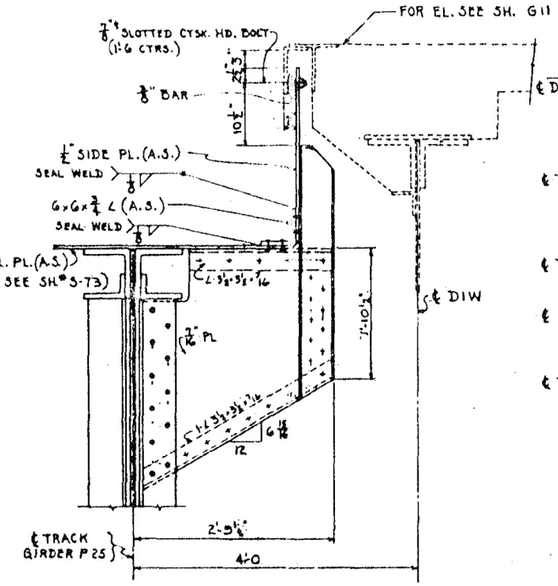
EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 25 OF 32 SHEETS | STA. | TO STA.

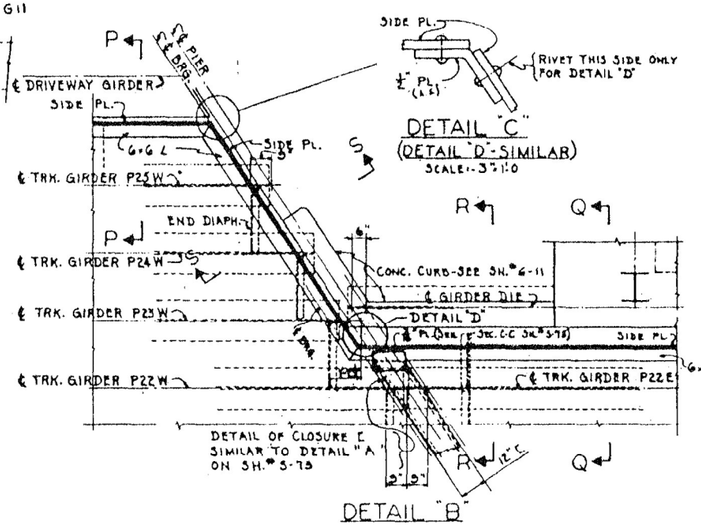
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	71
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		



SECTION N-N



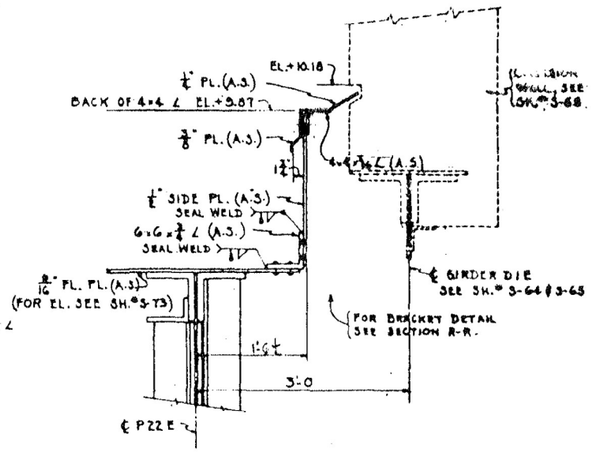
SECTION P-P



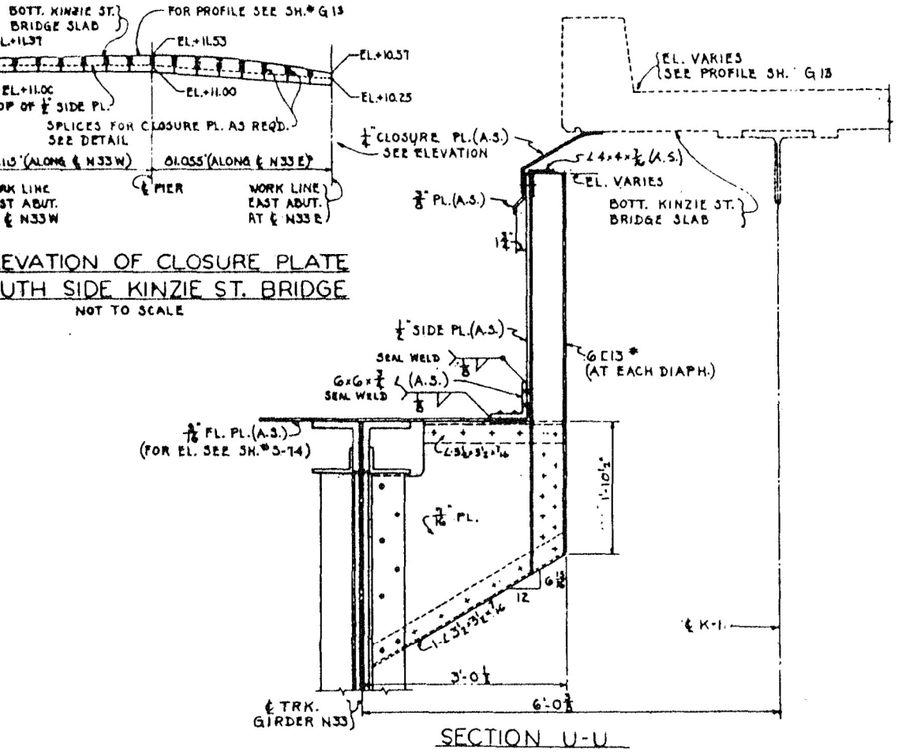
DETAIL "B"

(FOR LOCATION OF DETAIL "B" SEE SH.* S-73)

DETAIL "C"
(DETAIL "D" SIMILAR)
SCALE:- 3"=1'-0

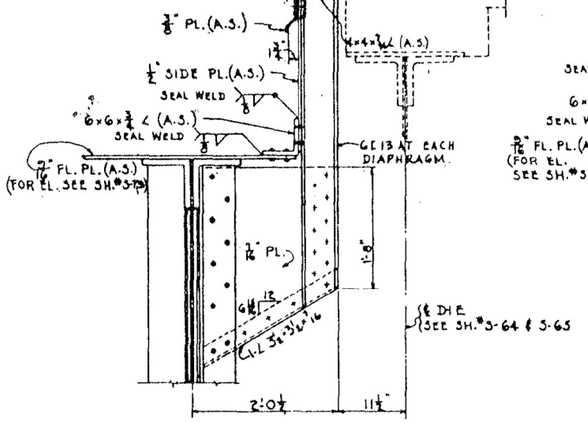


SECTION Q-Q

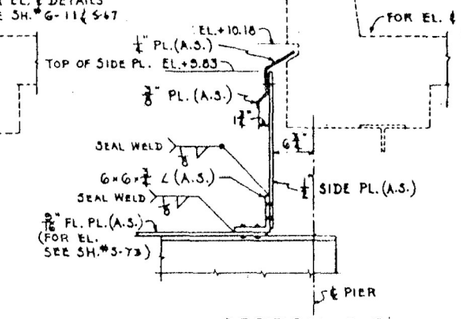


ELEVATION OF CLOSURE PLATE
SOUTH SIDE KINZIE ST. BRIDGE
NOT TO SCALE

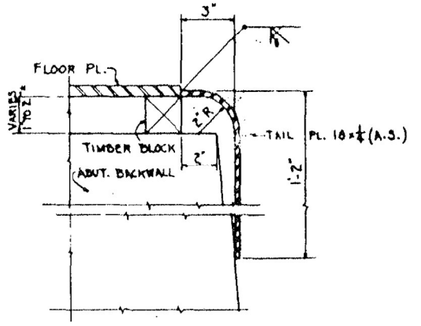
SECTION U-U



SECTION R-R



SECTION S-S



DETAIL OF TAIL PLATE

FOR INFORMATION ONLY

NOTE:-
A.S. = LOW ALLOY STEEL, CORTEN, MAYARI R OR EQUAL.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR STEEL DETAILS

MODEL: Default
FILE NAME: d:\Engineering\Layouts\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\23\36\D1623243HT - 2022 EXISTING BRIDGE PLAN 27.dgn

Accurate GROUP, INC.

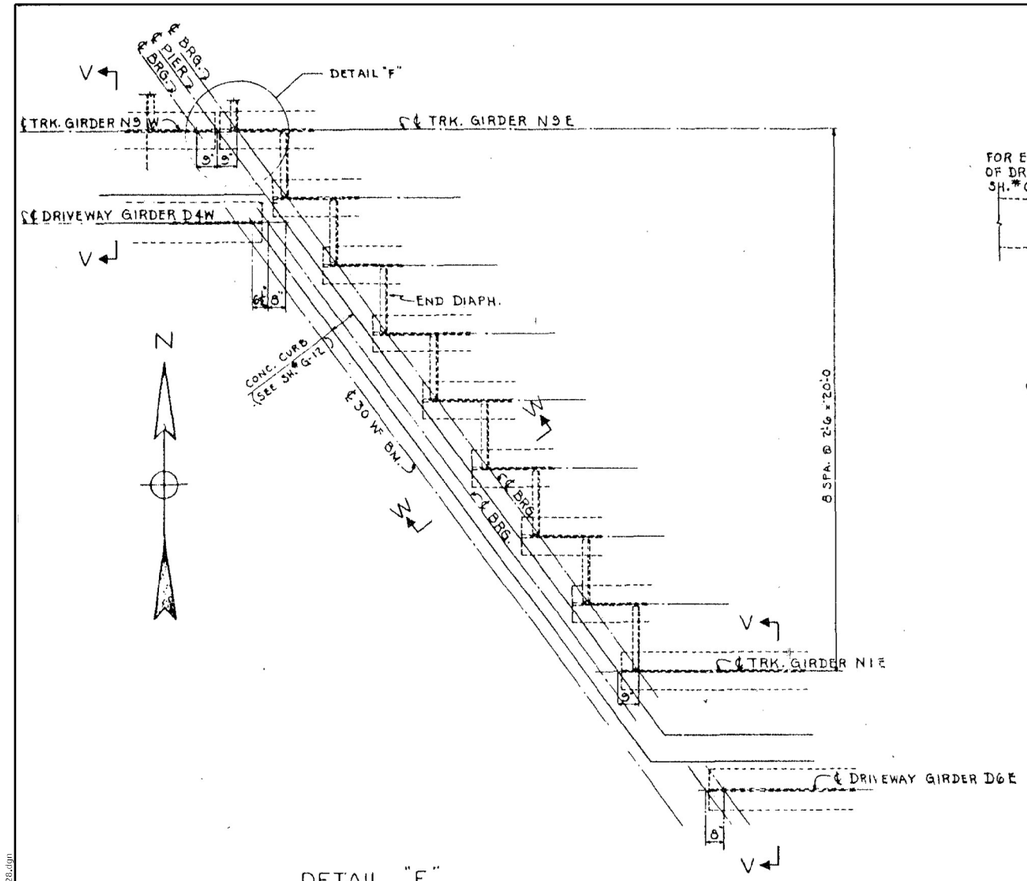
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

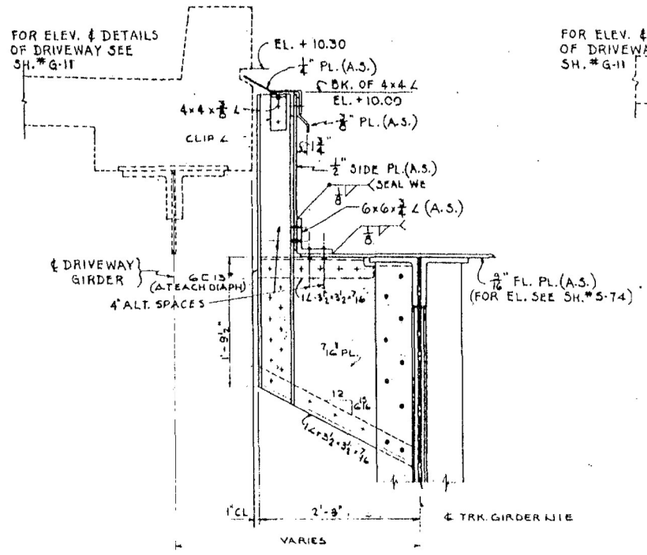
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

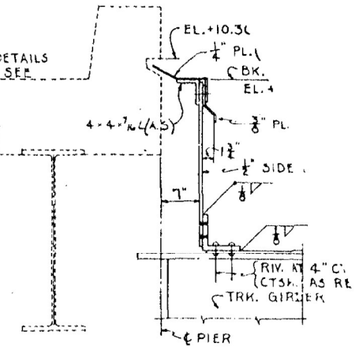
SCALE: NONE | SHEET 26 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	72
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		





SECTION V-V



SECTION W-W

DESIGN DATA

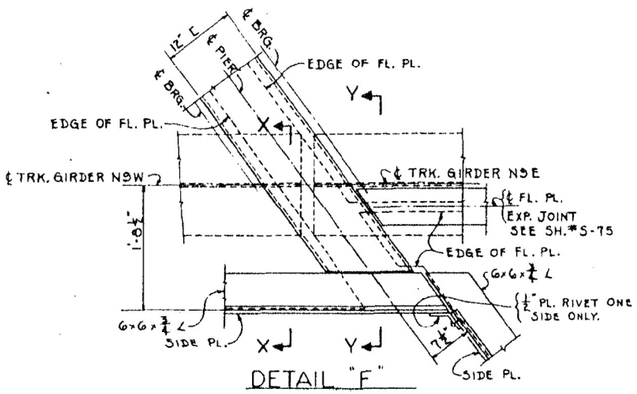
1952 AREA SPECIFICATIONS
COOPER E-72 LOADING
LOADS BASED ON 5 GIRDERS PER TRK.
CENTRIFUGAL FORCE BASED ON 50 MPH, NO SUPERELEVATION

GIRDERS		N1E - M1E, N1W - M1W	M12E-M52E, M12W-M52W	P1E - P22E, P1W - P23W	N1E - N33E, N9W N33W
DESIGN SPAN, FT.		72.75	74.50	77.75	81.50
DEAD LOAD LB/LIN.FT. OF GIRDER	TOTAL	1435	1410	1440	1475
SHEAR KIPS	DEAD LOAD	52.2	52.5	54.0	60.0
	LIVE LOAD	82.5	84.3	87.4	91.0
	IMPACT, CENT. FORCE, ECCENTRICITY	99.8	101.6	81.1(a)	83.5(a)
	TOTAL	234.5	236.4	222.5	234.5
MOMENT FT. KIPS	DEAD LOAD	950	977	1064	1226
	LIVE LOAD	1513	1372	1480	1610
	IMPACT, CENT. FORCE, ECCENTRICITY	1621	1677	1377(a)	1476(a)
	TOTAL	3834	4026	3842	4312
ACTUAL STRESSES LB/SQ.IN.	FLANGE COMPRESSION (GROSS)	14,400	15200	15100	14800
	FLANGE TENSION (NET)	17,000	17700	17400	17700
	WEB SHEAR (GROSS)	7,020	4540	5850	5860
RATIO OF DEPTH TO SPAN		1/20 1/20.70(b)	1/20 1/20.00	1/20 1/21.50	1/20 1/20.00

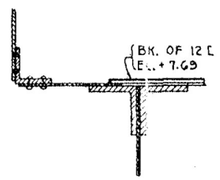
(a) NO CENTRIFUGAL FORCE
(b) DEFLECTION FROM LIVE LOAD AND IMPACT LIMITED TO THAT FOR A DEPTH RATIO OF 1/12

DETAIL "E"

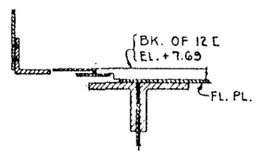
(FOR LOCATION OF DETAIL 'E' SEE SH.# S-74)



DETAIL "F"



SECTION X-X



SECTION Y-Y

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

TRACK FLOOR STEEL
DETAILS

MODEL: Default
FILE NAME: Q:\Engineering\Live Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1621224-SHT - 2022 EXISTING BRIDGE PLAN 28.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

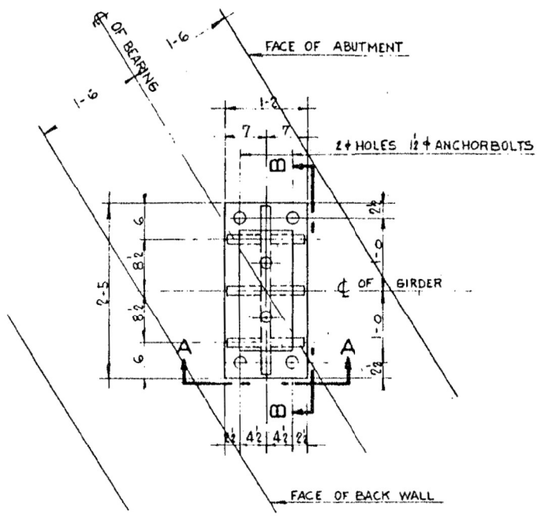
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 27 OF 32 SHEETS | STA. | TO STA.

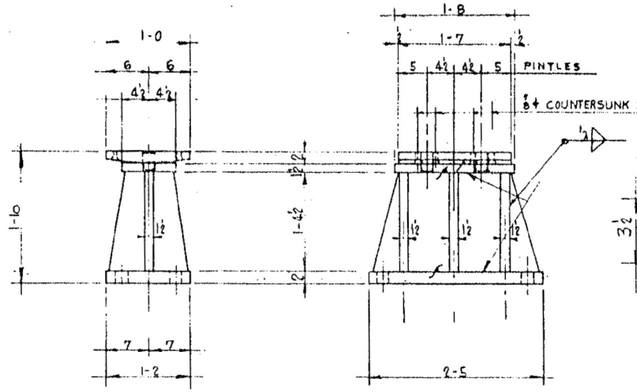
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	73
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

FOR INFORMATION ONLY



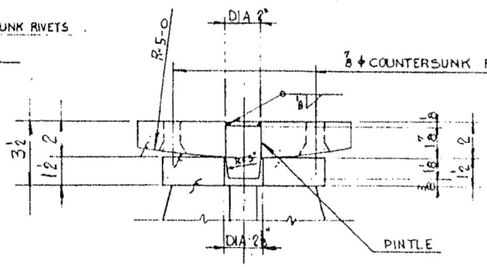
TYPICAL DETAIL OF FIXED BEARING

FOR C8W, C9W

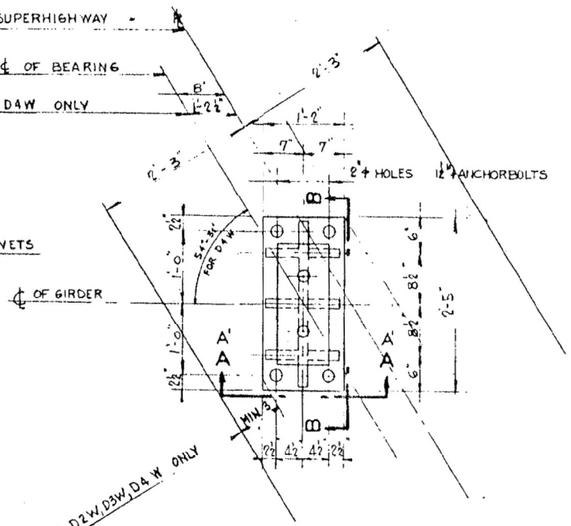


SECTION A - A

SECTION B - B

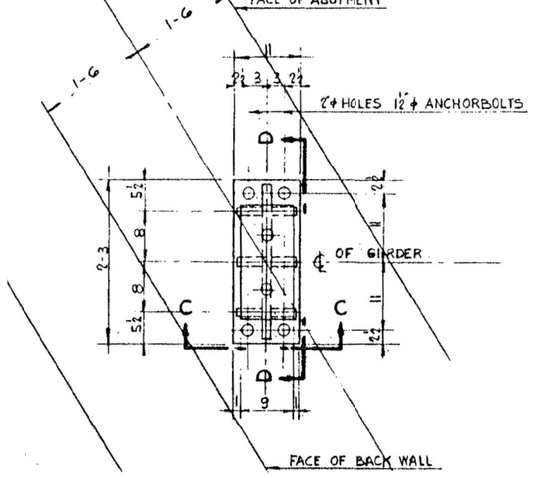


DETAIL OF PINTLE FOR FIXED BEARING



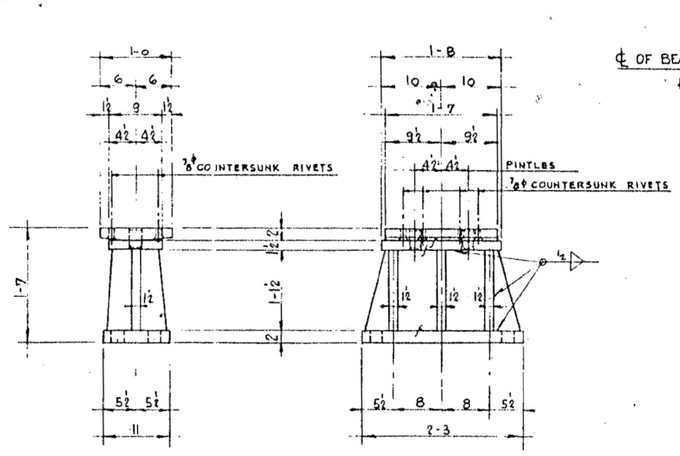
TYPICAL DETAIL OF FIXED BEARING

FOR D2W, D3W, D4W C1E, C2E, C3E, C4E



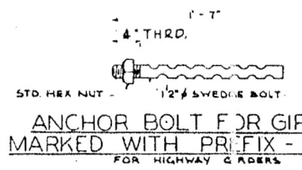
TYPICAL DETAIL OF FIXED BEARING

FOR C1W, C6W, C7W, C10W



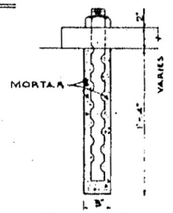
SECTION C - C

SECTION D - D

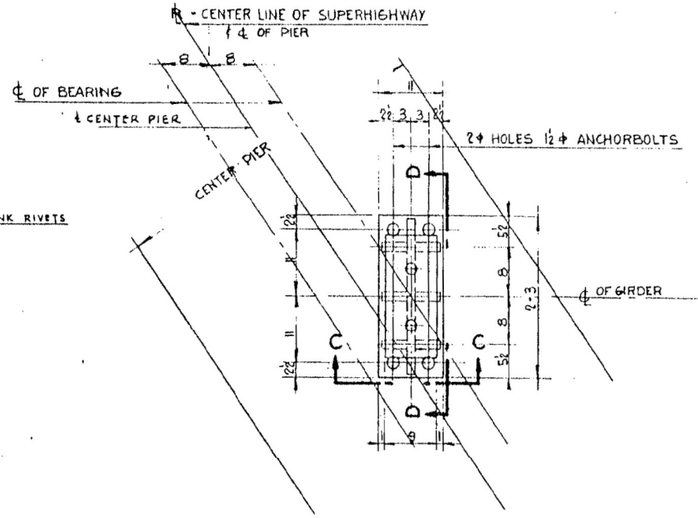


ANCHOR BOLT FOR GIRDERS MARKED WITH PREFIX - W, C, & D

FOR HIGHWAY GIRDERS



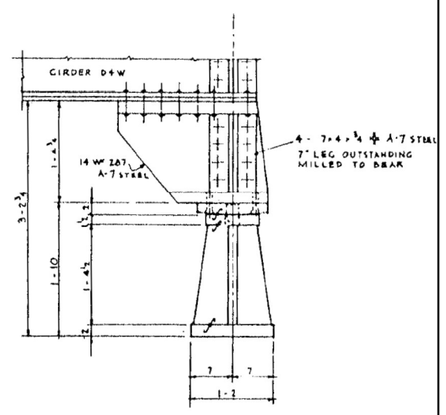
DETAIL OF PRECAST HOLE FOR ANCHOR BOLT



TYPICAL DETAIL OF FIXED BEARING

FOR D3E, D4E, D5E, D6E

MATERIAL FOR SHEETS S-81 THRU S-86
ALL ROCKER PINS A.S.T.M. A-237-52T CLASS A.
ALL OTHER A-373-54T, EXCEPT AS NOTED.
FOR PARTS NOT TO BE WELDED, INCLUDING CURVED SOLE PLATES, A-7 MAY BE USED.



SECTION A'-A'

FOR D4W ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

BEARINGS
GIRDERS C AND D

MODEL: Default
FILE NAME: G:\Engineering\Layer\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162024-SHT - 2022 EXISTING BRIDGE PLAN 29.dgn

Accurate GROUP, INC.

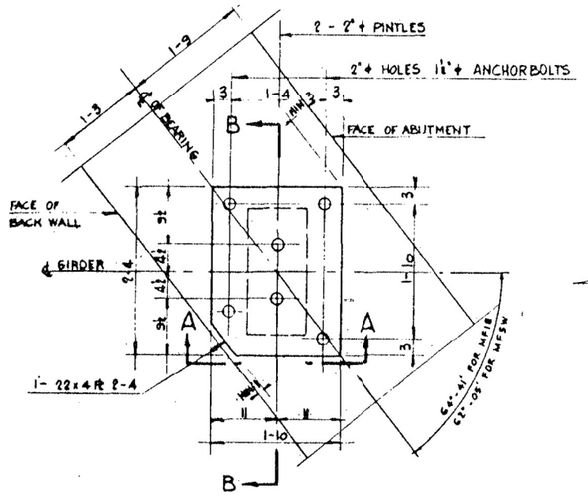
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

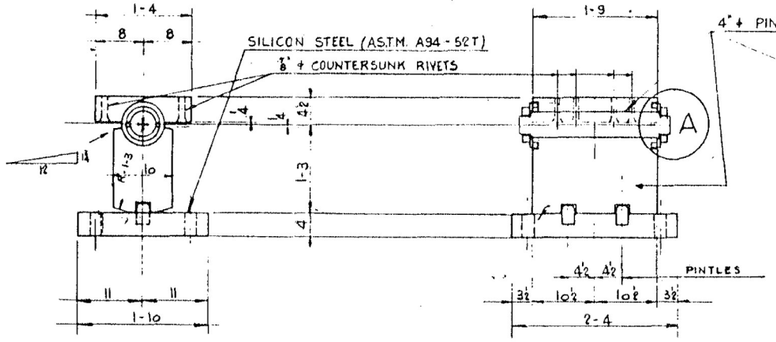
SCALE: NONE | SHEET 28 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	74
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			



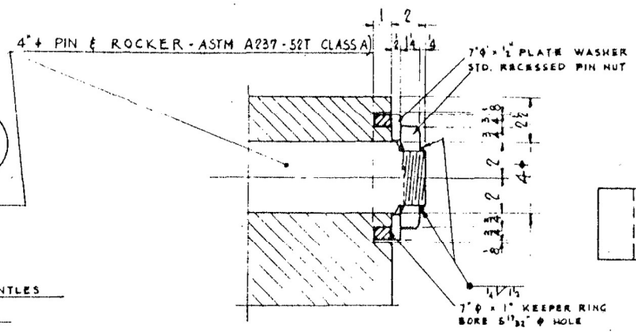
TYPICAL DETAIL OF EXPANSION BEARING

FOR MF1W, MF2W, MF3W, MF4W, MF5W, MF1E, MF2E, MF3E, MF4E, & MF5E.

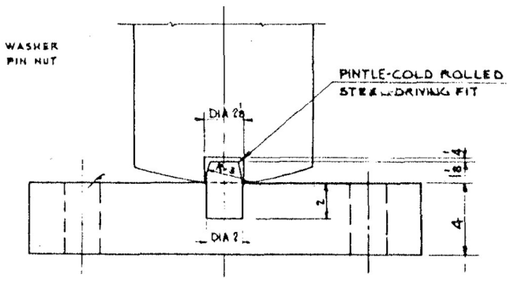


SECTION A - A

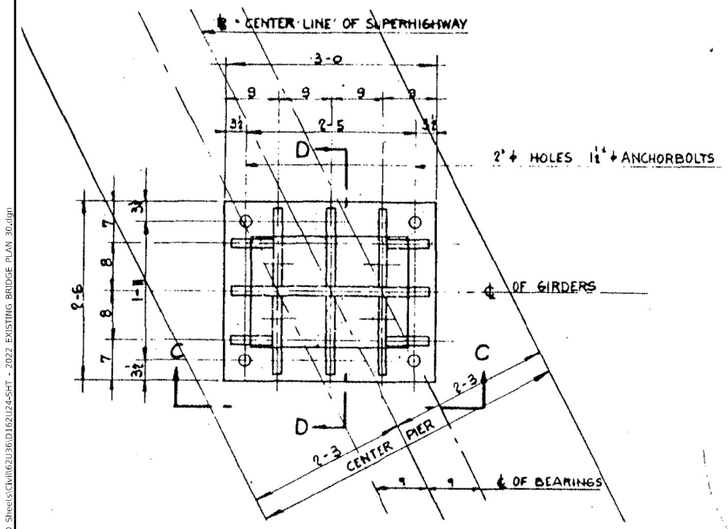
SECTION B - B



DETAIL (A)

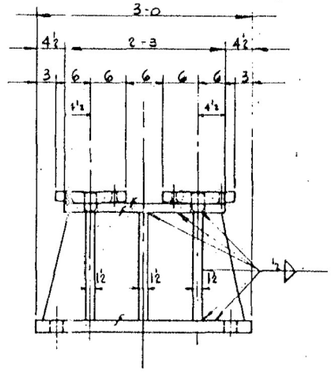


DETAIL OF PINTLE FOR EXPANSION BEARING

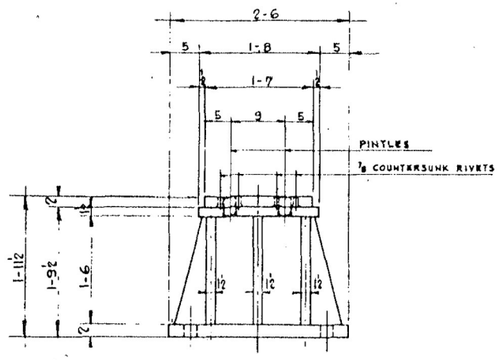


TYPICAL DETAIL OF FIXED BEARING

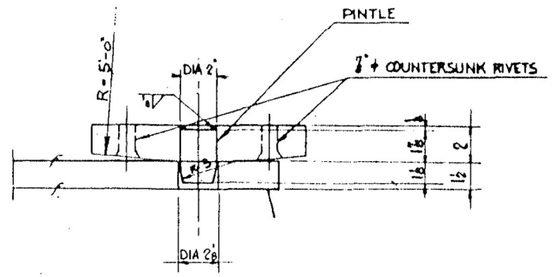
FOR MF1, MF2, MF3, MF4 & MF5



SECTION C - C



SECTION D - D



DETAIL OF PINTLE FOR FIXED BEARING

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

BEARINGS

C.M.ST.P. & P.R.R. FREIGHT HOUSE GIRDERS

FOR INFORMATION ONLY

USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

Accurate GROUP, INC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 29 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	75
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

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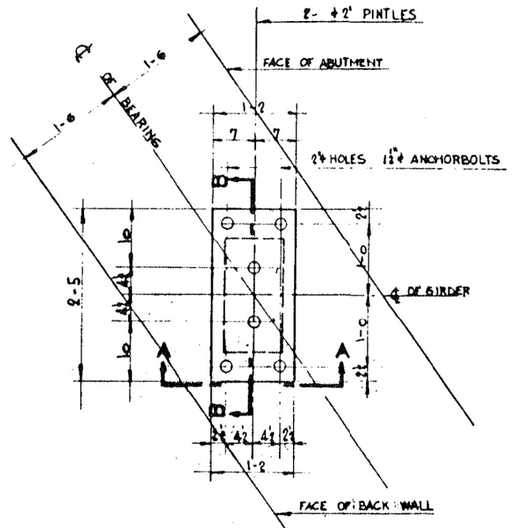
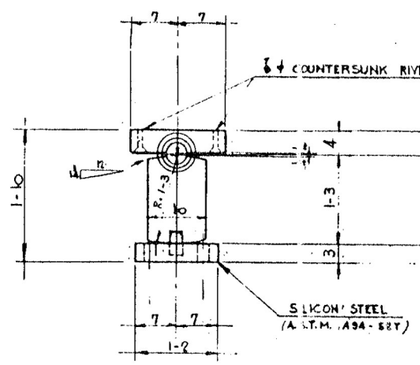
FOR INFORMATION ONLY

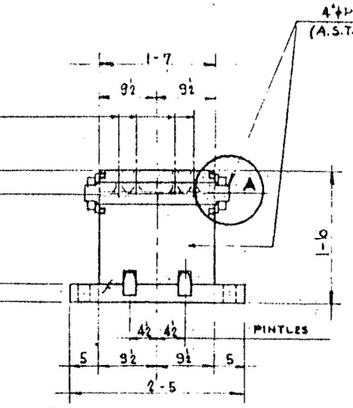


TYPICAL DETAIL OF EXPANSION BEARING

FOR D1W, D2W, D3W, D4W C1E, C2E, C3E, C4E

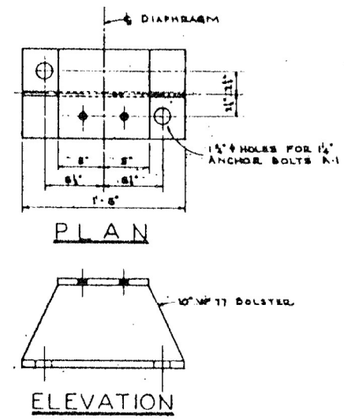


SECTION A - A

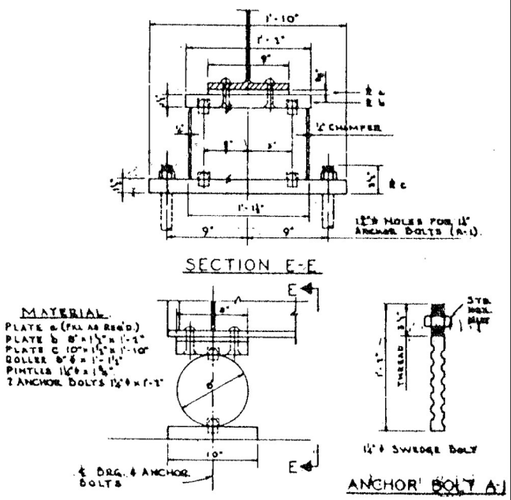


See S-83 For Detail Ⓐ & Pintle

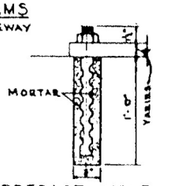
SECTION B - B



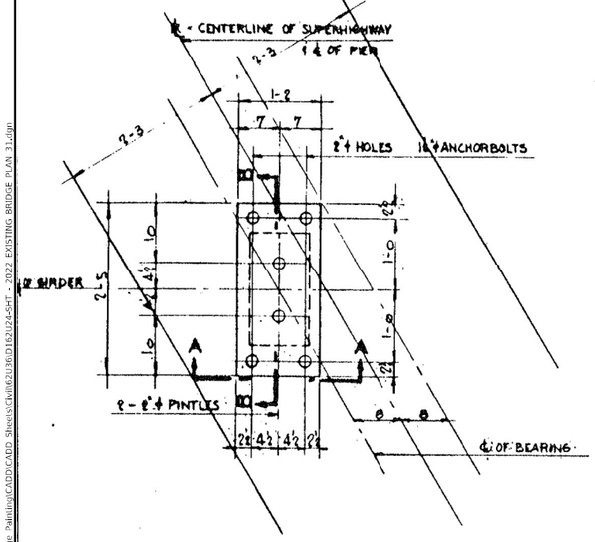
FIXED BEARING
FOR END FLOOR BEAMS



EXPANSION BEARING
FOR END FLOOR BEAMS
(WAYMAN ST., CARROLL ST. & DRIVEWAY SOUTH OF KINZIE ST.)

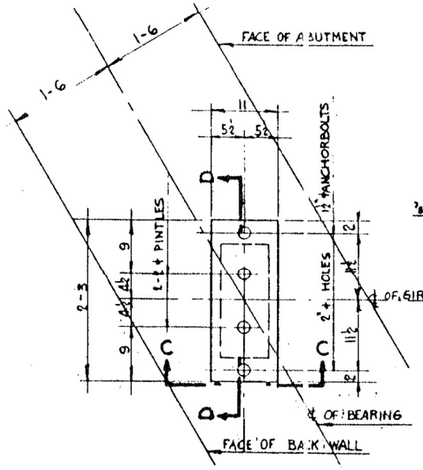


PRECAST HOLE
FOR ANCHOR BOLT



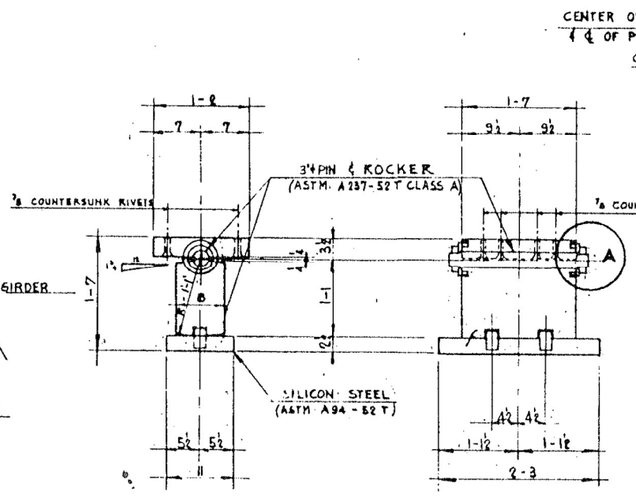
TYPICAL DETAIL OF EXPANSION BEARING

FOR C3W, C4W, C8W, C9W

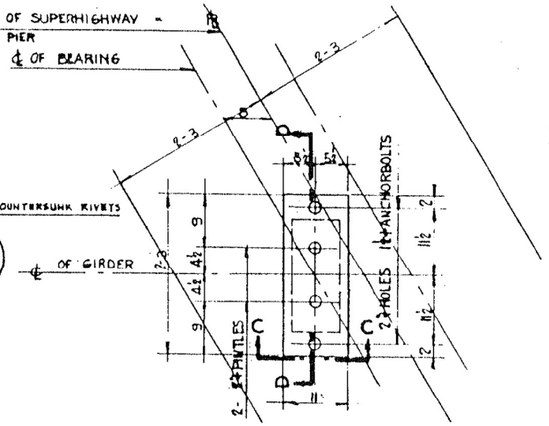


TYPICAL DETAIL OF EXPANSION BEARING SECTION C - C

FOR: W1W, W2W, W3W, W4W, W1E, W2E, W3E, W4E, D3E, D4E D5E, D6E.



SECTION D - D



TYPICAL DETAIL OF EXPANSION BEARING

FOR: C1W, C6W, C7W, C10W

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

BEARINGS
GIRDERS C, D AND W

MODEL: Default
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Accurate GROUP, INC.

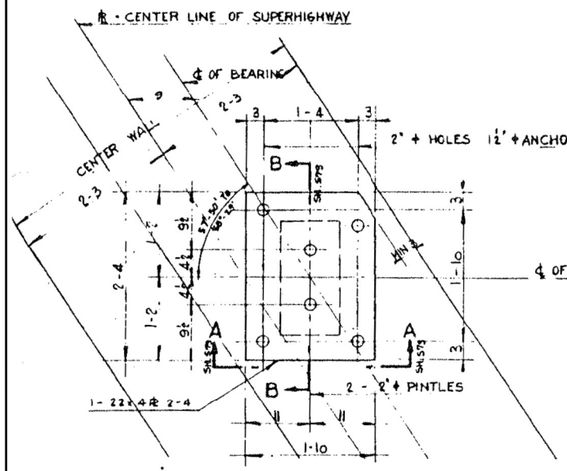
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

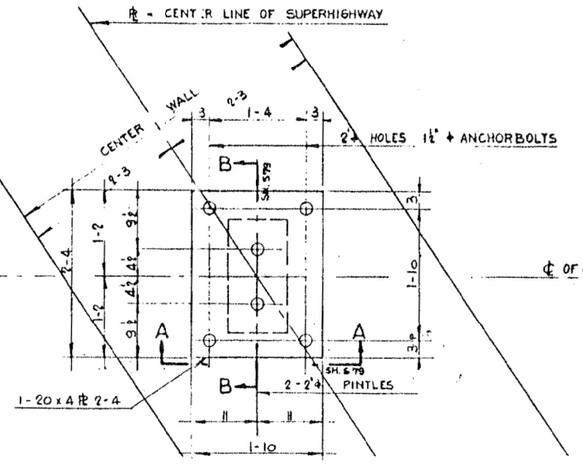
EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 30 OF 32 SHEETS | STA. | TO STA.

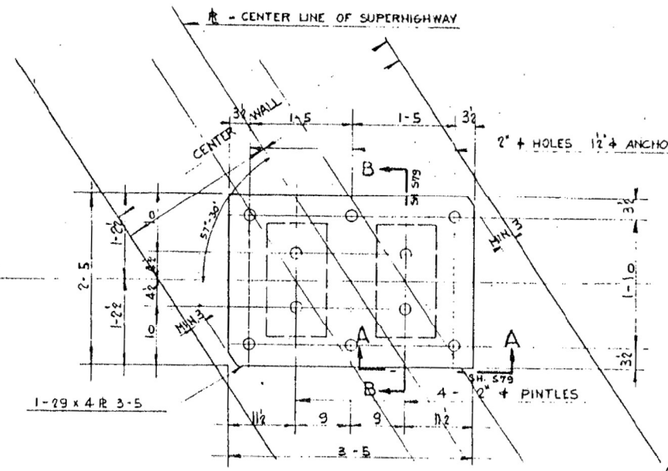
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	76
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	



TYPICAL DETAIL OF EXPANSION BEARING FOR
GIRDER PF2E, PF3E, (PF1W, PF2W AND PF3W OPP. HAND)

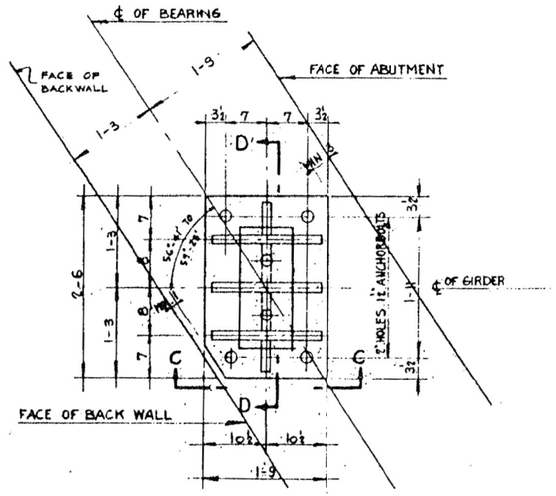


DETAIL OF EXPANSION BEARING
GIRDER PF1E

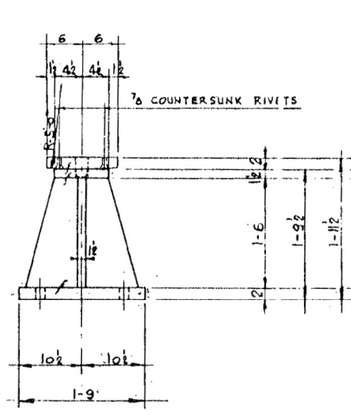


DETAIL OF EXPANSION BEARING
GIRDER PF4W - PF4E

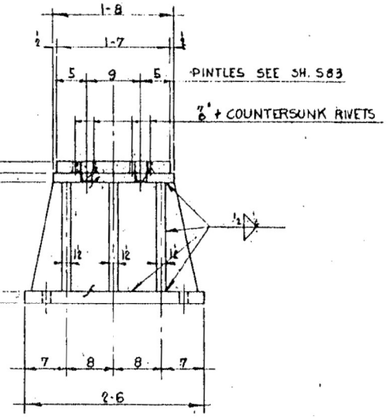
IMMEDIATELY BEFORE SETTING ANCHORS SATURATE THE CONCRETE SURFACE INTERIOR OF HOLE WITH WATER AND REMOVE ALL EXCESS MOISTURE. FILL HOLES FOR ANCHORS WITH SUFFICIENT STIFF CEMENT, SAND, MORTAR, 1:2½ MIX, SO THAT WHEN ANCHOR IS IN FINAL POSITION, THE MORTAR WILL BE FLUSH WITH THE TOP OF CONCRETE. SCREW ANCHORS DOWN UNTIL HEAD IS ONE INCH CLEAR FROM STEEL. FILL SPACE AROUND ANCHOR BOLT IN SHOES WITH ASPHALT CEMENT.



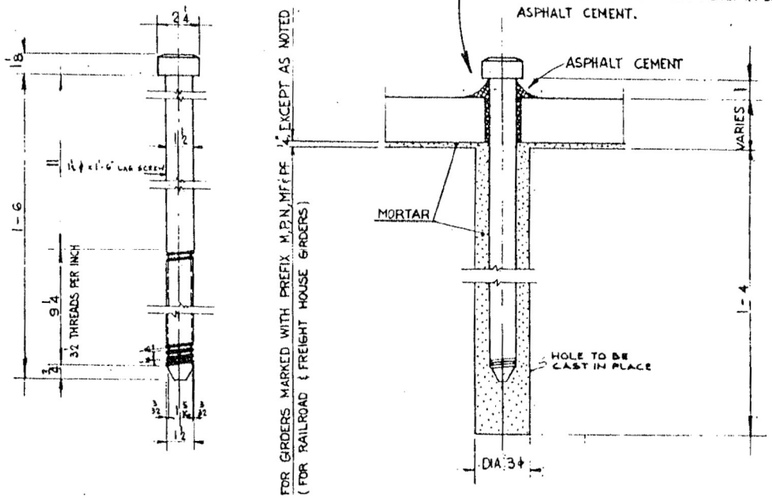
TYPICAL DETAIL OF FIXED BEARING FOR
PF1W, PF2W, PF3W, PF4W PF1E, PF2E, PF3E, PF4E



SECTION C-C



SECTION D-D



ANCHOR BOLTS

NOTES

FOR SECTION A-A & B-B SEE SH S83
DETAIL OF PINTLE AND PIN SEE SH S-83

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

BEARINGS
P.R.R. FREIGHT HOUSE GIRDERS

FOR INFORMATION ONLY

MODEL: Default
FILE NAME: O:\Engineering\Layout\ProjectsDoc\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Dur\WO2\136\D1162U24-SHT - 2022 EXISTING BRIDGE PLAN 32.dgn

Accurate GROUP, INC.

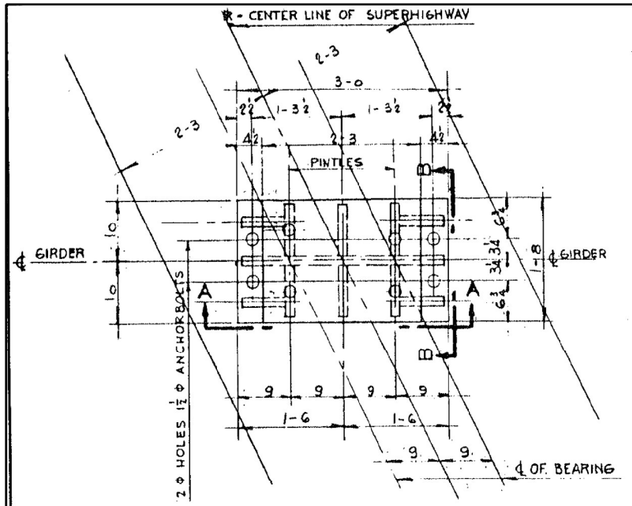
USER NAME = jdavis	DESIGNED - ME	REVISED -	
	DRAWN - ME	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

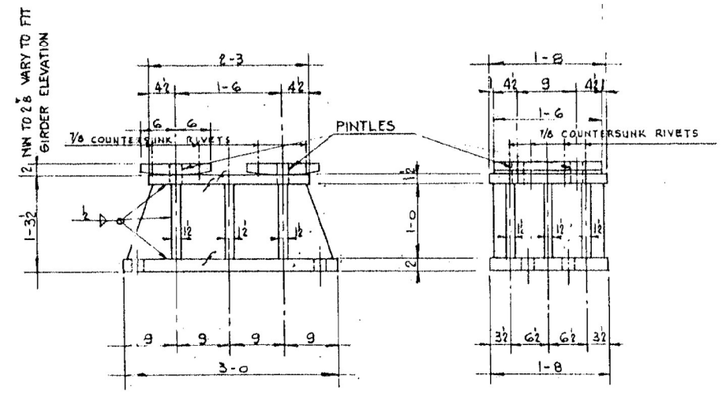
EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 31 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	77
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

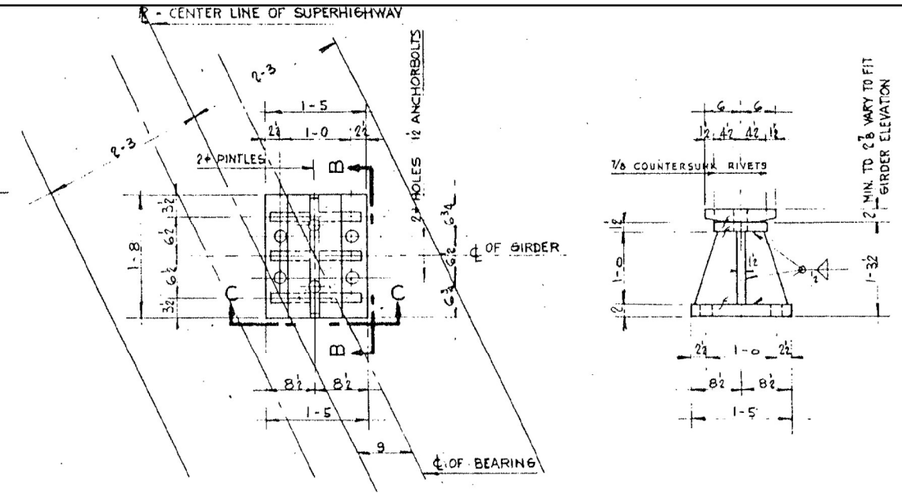


TYPICAL DETAIL OF FIXED BEARING
1" = 1'-0"
GIRDERS M-1 TO M-52, P-1 TO P-22, N-9 TO N-33 INCL.



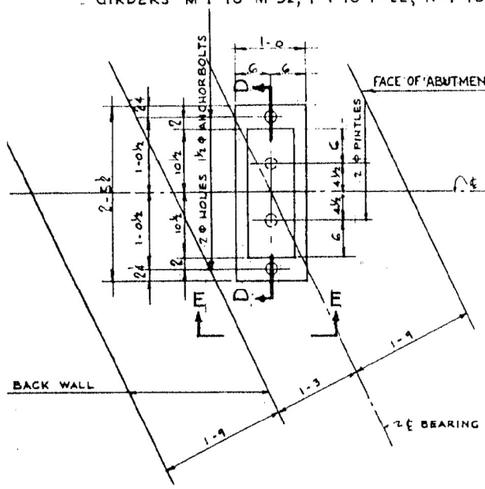
SECTION A - A

SECTION B - B

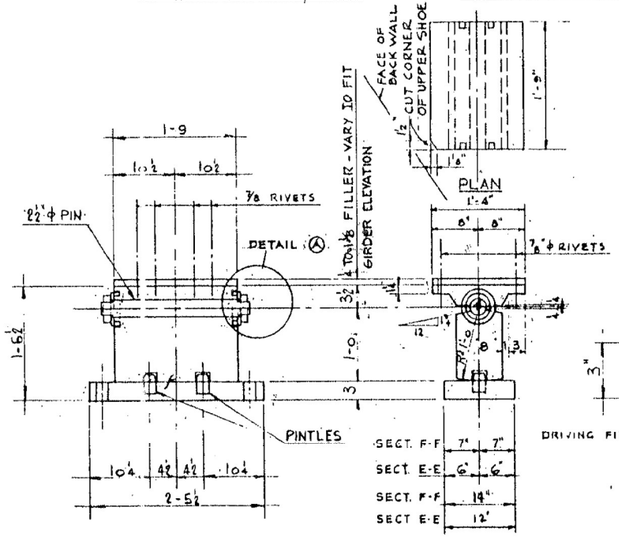


TYPICAL DETAIL OF FIXED BEARING
1" = 1'-0"
P24W, P25W, N1E TO N8E INCL.

SECTION C - C

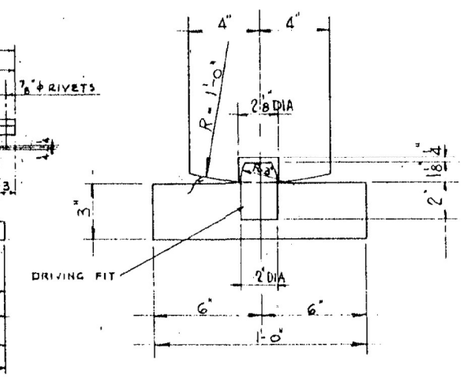


TYPICAL DETAIL OF EXPANSION BEARING

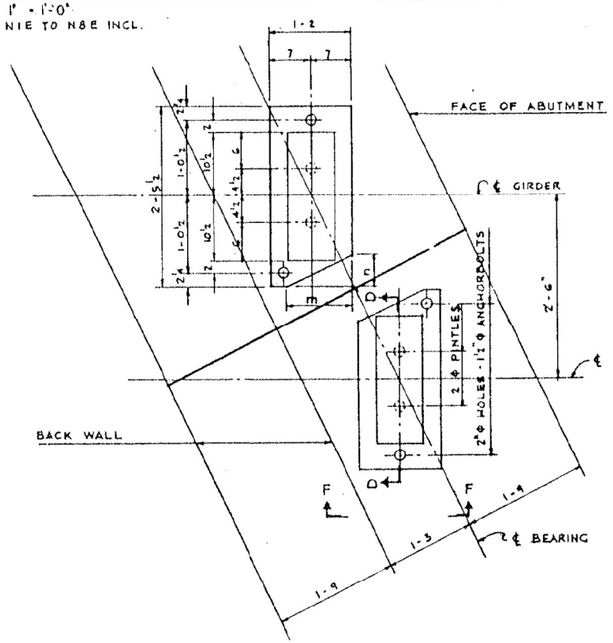


SECTION D - D

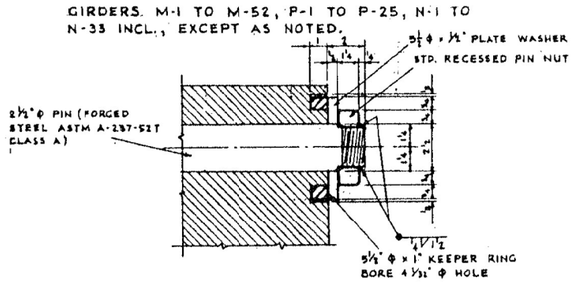
SECTION E - E
SECTION F - F



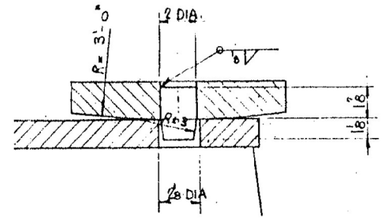
DETAIL OF PINTLE FOR ROCKER



DETAIL OF EXPANSION BEARING AT JOINT IN ABUTMENT
1" = 1'-0"



DETAIL Ⓐ



DETAIL OF PINTLE FOR FIXED SHOE

NOTE
FOR ANCHORBOLT DETAIL SEE SHEET S-85

m	n	JOINT	
11¼	5¾	M8W - M9W M27W - M28W M46W - M47W	M13E - M14E M33E - M34E P4E - P5E
7¼	5	P13W - P14W N19W - N20W	N15E - N16E

FOR INFORMATION ONLY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY

RAILROAD GRADE SEPARATION
W. WAYMAN ST. TO W. KINZIE ST.

BEARINGS
TRACK GIRDERS

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT_DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U24-SHT - 2022 EXISTING BRIDGE PLAN 33.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - ME	REVISED -
		DRAWN - ME	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JMT	REVISED -
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS (SN 016-2020)
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 32 OF 32 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	78
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

21

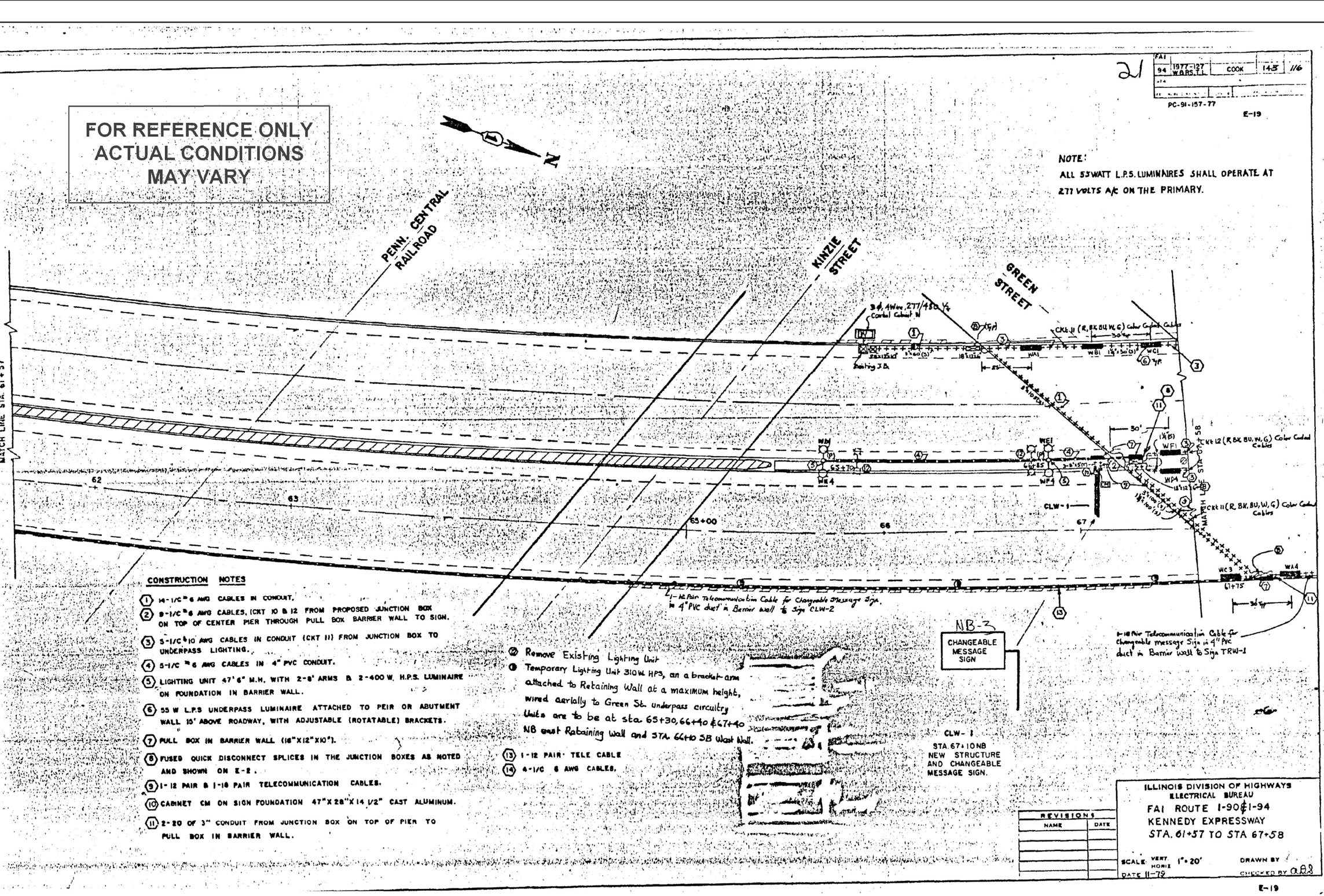
FAI				
94	1977-127 WARR.T.I.	COOK	14-8	116

PC-91-157-77

E-19

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

NOTE:
ALL 55WATT L.P.S. LUMINAIRES SHALL OPERATE AT 277 VOLTS A/C ON THE PRIMARY.



CONSTRUCTION NOTES

1. 14-1/C #6 AWG CABLES IN CONDUIT.
2. 9-1/C #6 AWG CABLES, (CKT 10 & 12 FROM PROPOSED JUNCTION BOX ON TOP OF CENTER PIER THROUGH PULL BOX BARRIER WALL TO SIGN.
3. 5-1/C #10 AWG CABLES IN CONDUIT (CKT 11) FROM JUNCTION BOX TO UNDERPASS LIGHTING.
4. 5-1/C #6 AWG CABLES IN 4" PVC CONDUIT.
5. LIGHTING UNIT 47'6" M.H. WITH 2-8' ARMS & 2-400 W. H.P.S. LUMINAIRE ON FOUNDATION IN BARRIER WALL.
6. 55 W L.P.S UNDERPASS LUMINAIRE ATTACHED TO PEIR OR ABUTMENT WALL 15' ABOVE ROADWAY, WITH ADJUSTABLE (ROTATABLE) BRACKETS.
7. PULL BOX IN BARRIER WALL (18"X12"X10").
8. FUSED QUICK DISCONNECT SPLICES IN THE JUNCTION BOXES AS NOTED AND SHOWN ON E-2.
9. 1-12 PAIR & 1-18 PAIR TELECOMMUNICATION CABLES.
10. CABINET CM ON SIGN FOUNDATION 47"X28"X14 1/2" CAST ALUMINUM.
11. 2-2D OF 3" CONDUIT FROM JUNCTION BOX ON TOP OF PIER TO PULL BOX IN BARRIER WALL.
12. Remove Existing Lighting Unit
13. Temporary Lighting Unit 310W HPS, on a bracket arm attached to Retaining Wall at a maximum height, wired aerially to Green St. underpass circuitry Units are to be at sta. 65+30, 66+40 & 67+40 NB east Retaining Wall and STA. 66+10 SB West Wall.
13. 1-12 PAIR TELE CABLE
14. 4-1/C 6 AWG CABLES.

CLW-1
STA. 67+10 NB
NEW STRUCTURE AND CHANGEABLE MESSAGE SIGN.

REVISIONS	
NAME	DATE

ILLINOIS DIVISION OF HIGHWAYS
ELECTRICAL BUREAU
FAI ROUTE I-90 & I-94
KENNEDY EXPRESSWAY
STA. 61+37 TO STA 67+58

SCALE: VERT. 1"=20' HORIZ
DRAWN BY
DATE 11-79
CHECKED BY AAS

E-19

MODEL: Default
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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

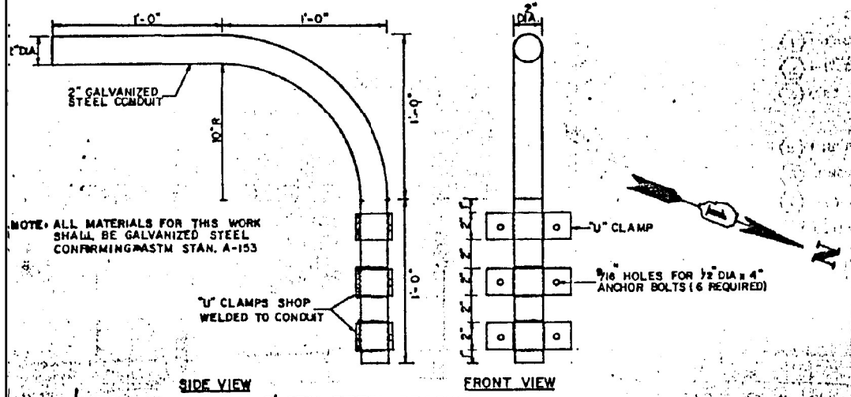
SCALE: NONE | SHEET 1 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	79
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

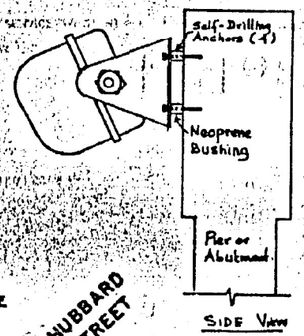
22

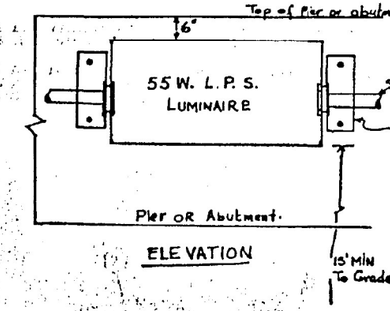
FAI				
94	1977-127 WARS.T.L	COOK	145	117

PC-91-157-77 E-20



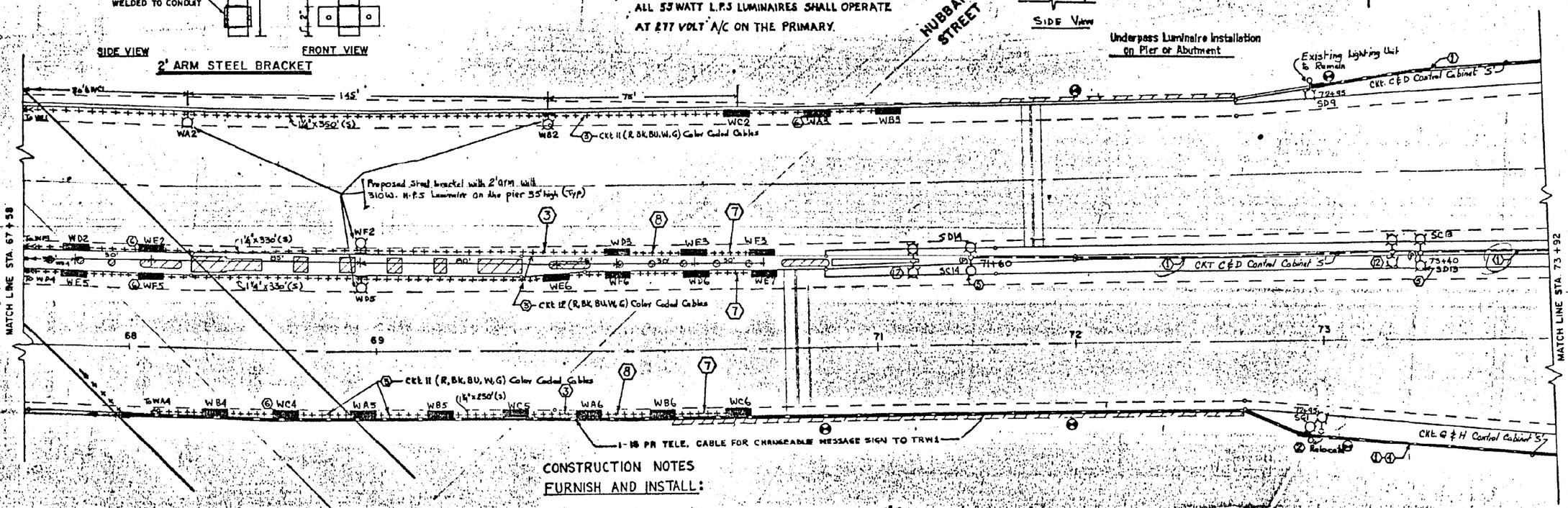
2' ARM STEEL BRACKET





NOTE:
ALL 55 WATT L.P.S LUMINAIRES SHALL OPERATE AT 277 VOLT A/C ON THE PRIMARY.

Underpass Luminaire Installation on Pier or Abutment



CONSTRUCTION NOTES

FURNISH AND INSTALL:

1. 3-#c #6 AWG IN 1" CABLE-DUCT & 1-#6 AWG BARE COPPER WIRE IN 4" PVC. DUCT IN (WEST SIDE) BARRIER WALL.
2. Relocated Existing Lighting Unit on Proposed foundation Behind Barrier Wall.
3. 5-#c #10 AWG Cables in Conduit (CKT 11 or CKT 12) to Underpass Lights.
4. 1-#8 PAIR Tele. Communication Cable for Changeable message sign TRW1.
5. Lighting Unit 47'-6" M.H WITH 2-8' Mast Arms and 2-400 w. H.P.S LUMINAIRES ON PROPOSED FOUNDATION IN BARRIER WALL.
6. 55-W. L.P.S UNDERPASS LUMINAIRE ATTACHED TO PIER OR ABUTMENT WALL 15' ABOVE ROADWAY WITH ADJUSTABLE (ROTATABLE) BRACKETS.
12. Remove Existing Lighting Unit.
8. TEMPORARY LIGHTING UNIT, 60' FT. WOOD POLE, 400 WATT HIGH PRESSURE SODIUM LUMINAIRES WITH AERIAL WIRES. EACH LUMINAIRE SHALL BE GROUNDED.
7. 3-#c #10 AWG WIRE.
8. 4-#c #10 AWG WIRE

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

REVISIONS	
NAME	DATE

ILLINOIS DIVISION OF HIGHWAYS
ELECTRICAL BUREAU
FAI ROUTE 1-90-I-94
KENNEDY EXPRESSWAY
STA. 67+58 TO STA. 73+92
SCALE: VERT. 1" = 20' HORIZ.
DRAWN BY
DATE 11-79
CHECKED BY
Rev. 2-22-80

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Accurate GROUP, INC.

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	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 2 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	80
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

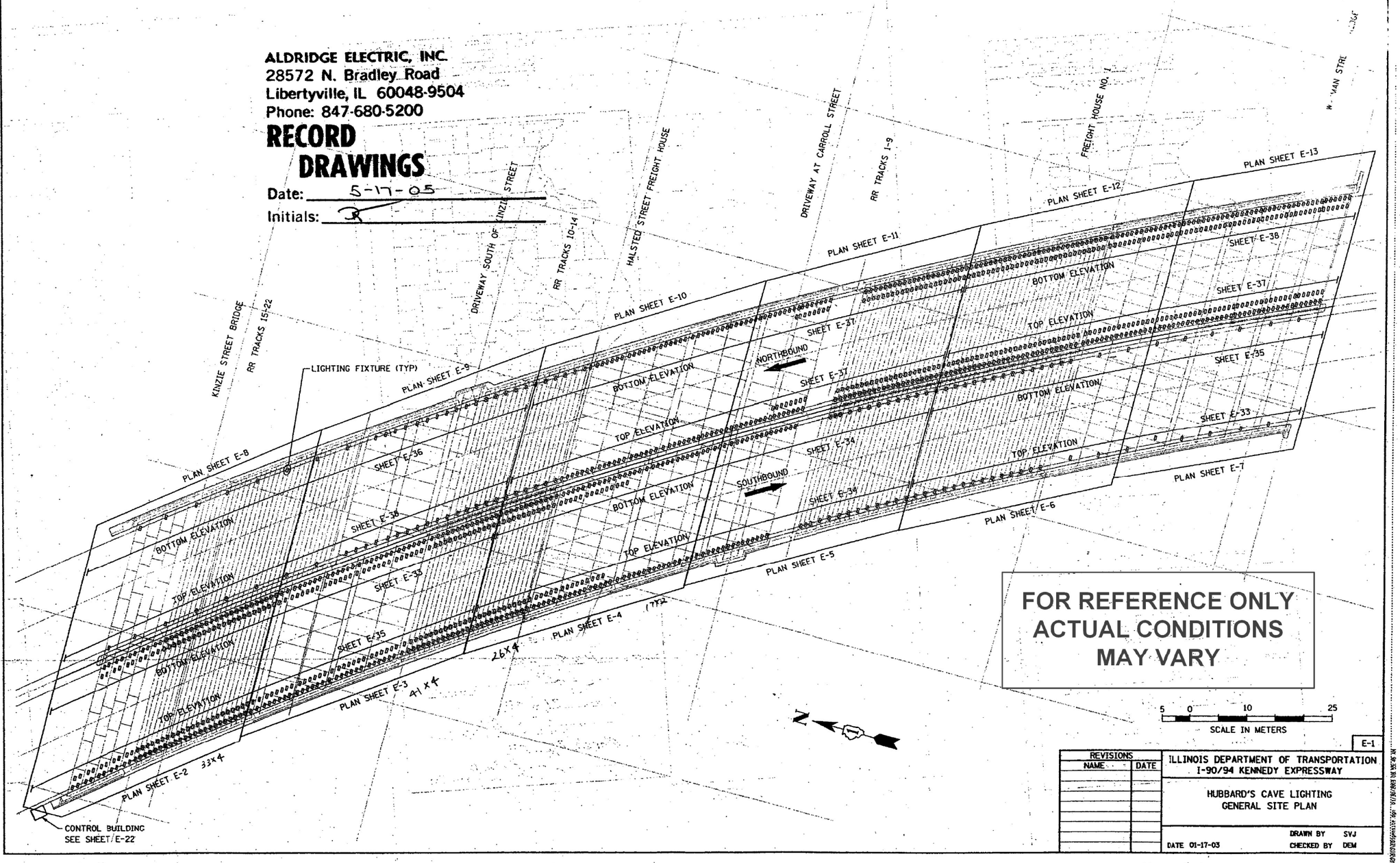
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	5
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: R



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

E-1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
GENERAL SITE PLAN

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

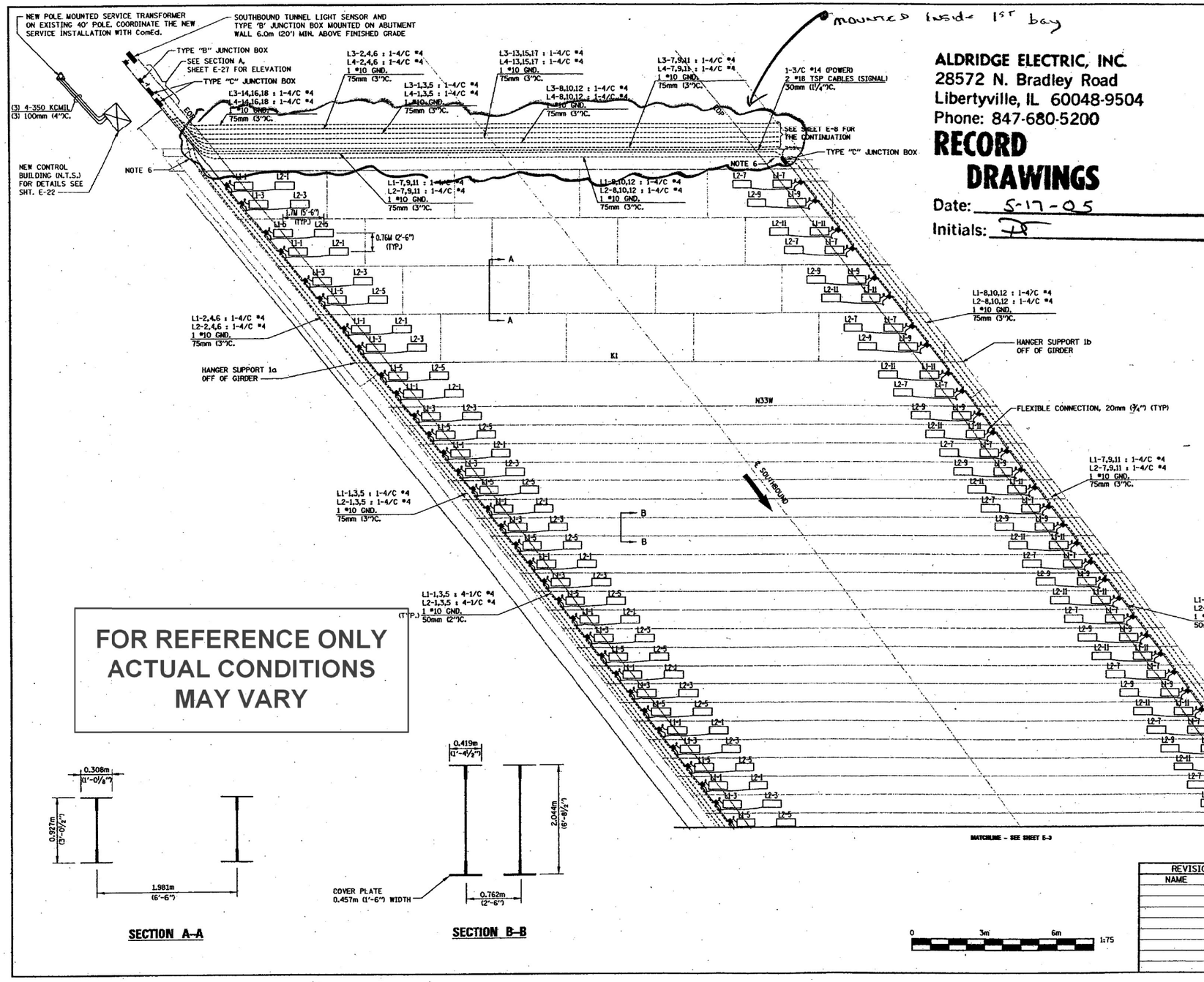
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 3 OF 36 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	81
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	6
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-88 C-91-317-02	



ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05
Initials: JD

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NO.
- PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.
5. SEE SHEET E-39 FOR ELEVATION AND SECTIONS OF CONDUITS CROSSING TRAFFIC LANES.
6. USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC), 18" MAXIMUM LENGTH, TO TRANSITION FROM ABUTMENTS AND PIERS TO STRUCTURAL STEEL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

FOR REFERENCE ONLY
ACTUAL CONDITIONS MAY VARY

SECTION A-A

SECTION B-B

0 3m 6m 1:75

E-2

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
SOUTHBOUND (SHEET 1)

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

MODEL: Default
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Accurate GROUP, INC.

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	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

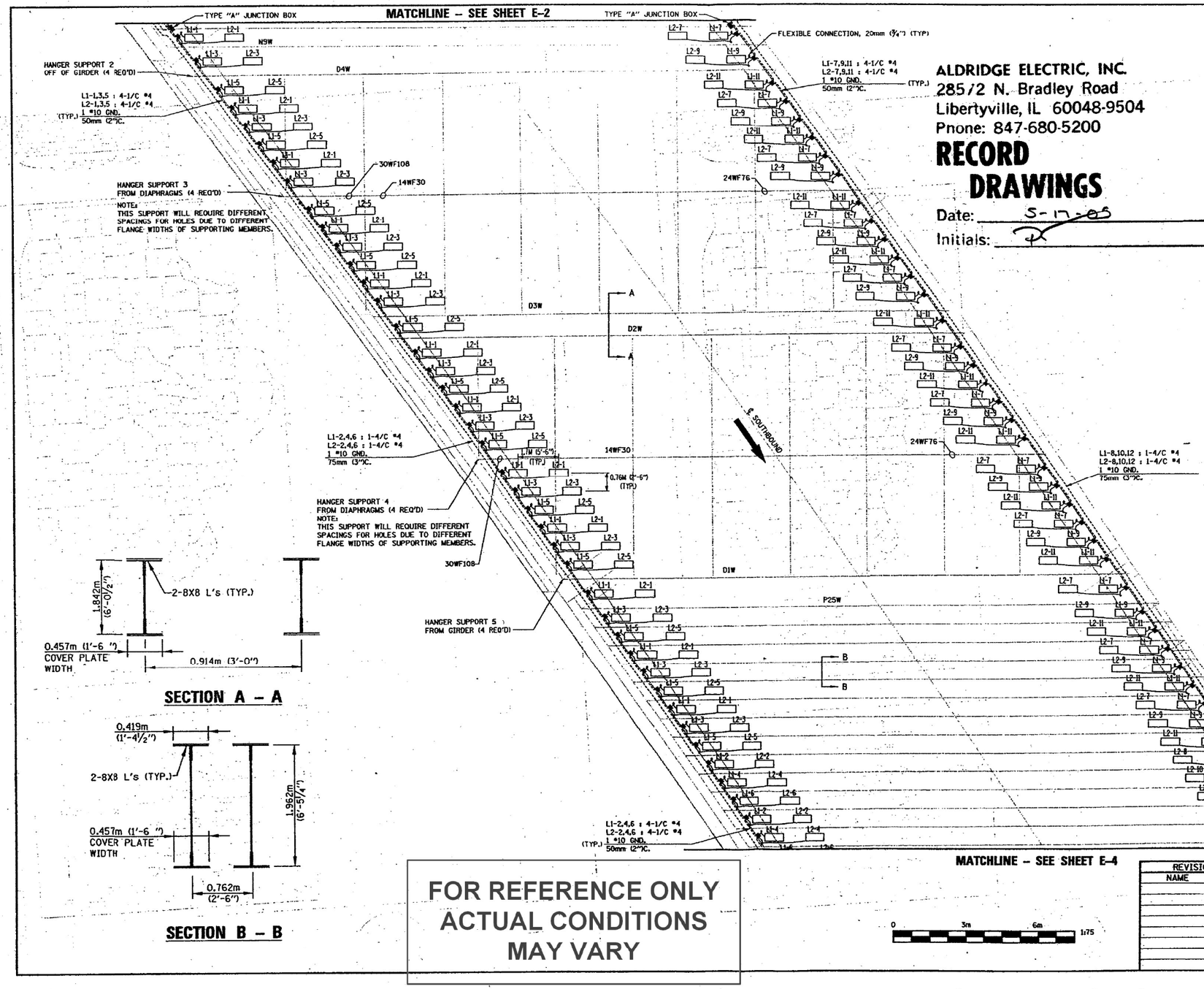
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 4 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	82
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	7
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		8-94-317-02 C-91-317-02



ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NO.
- PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
SOUTHBOUND (SHEET 2)

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

E-3

\\CHIAD1\Data\Projects\2005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36sht-Exis. Light_05.dgn 01/30/2023 08:57:19 am

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Accurate GROUP, INC.

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	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

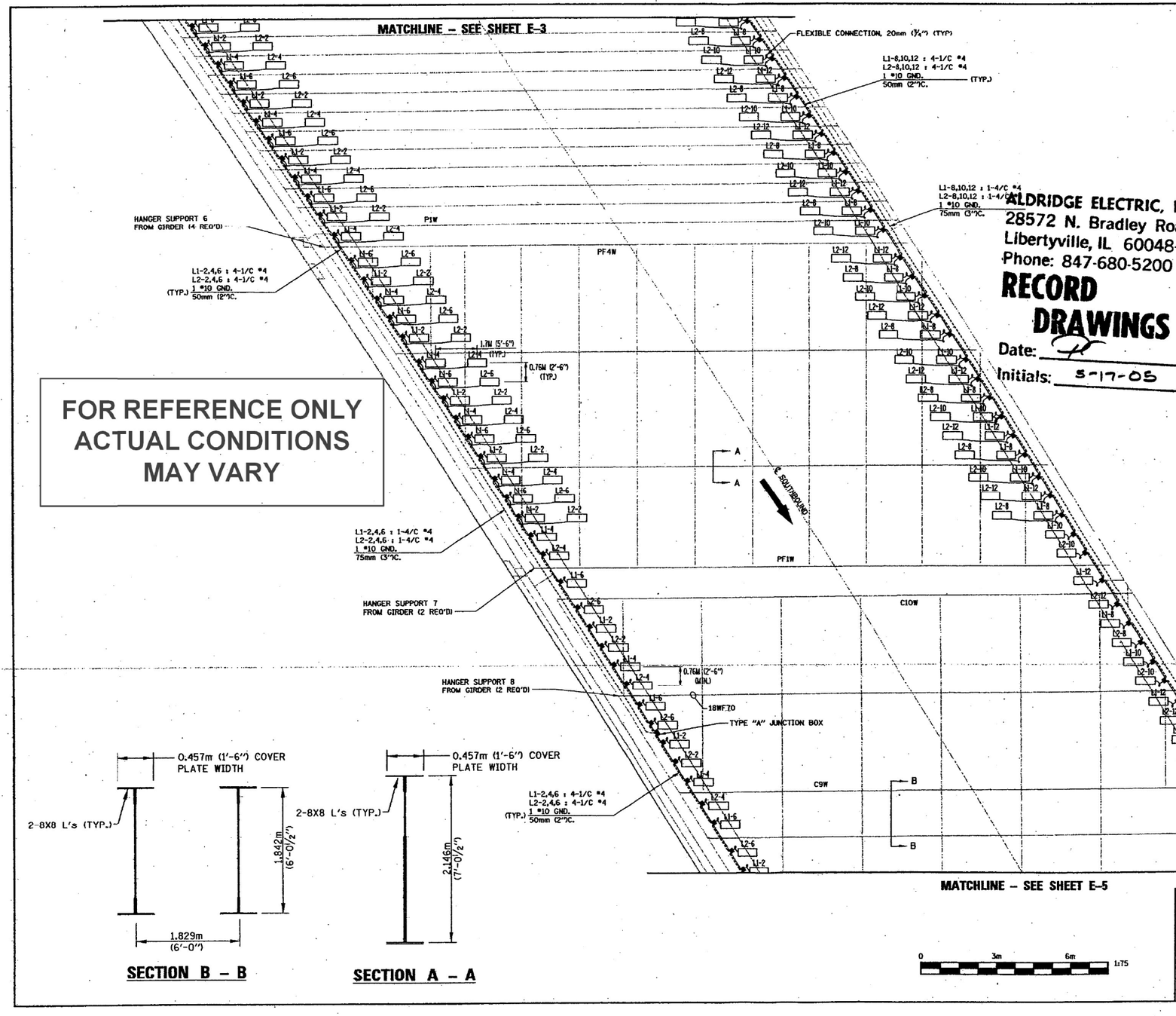
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 5 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	83
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	8
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		8-96-317-02 C-91-317-02



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS
Date:
Initials: 5-17-05

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- XX: CIRCUIT NO.
- XX: PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

SECTION B – B

SECTION A – A

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
SOUTHBOUND (SHEET 3)

DATE 01-17-03
DRAWN BY SVJ
CHECKED BY DEM

E-4

\\CAD\$\DGN\new_plan3.DGN 01/30/2003 08:37:34 AM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

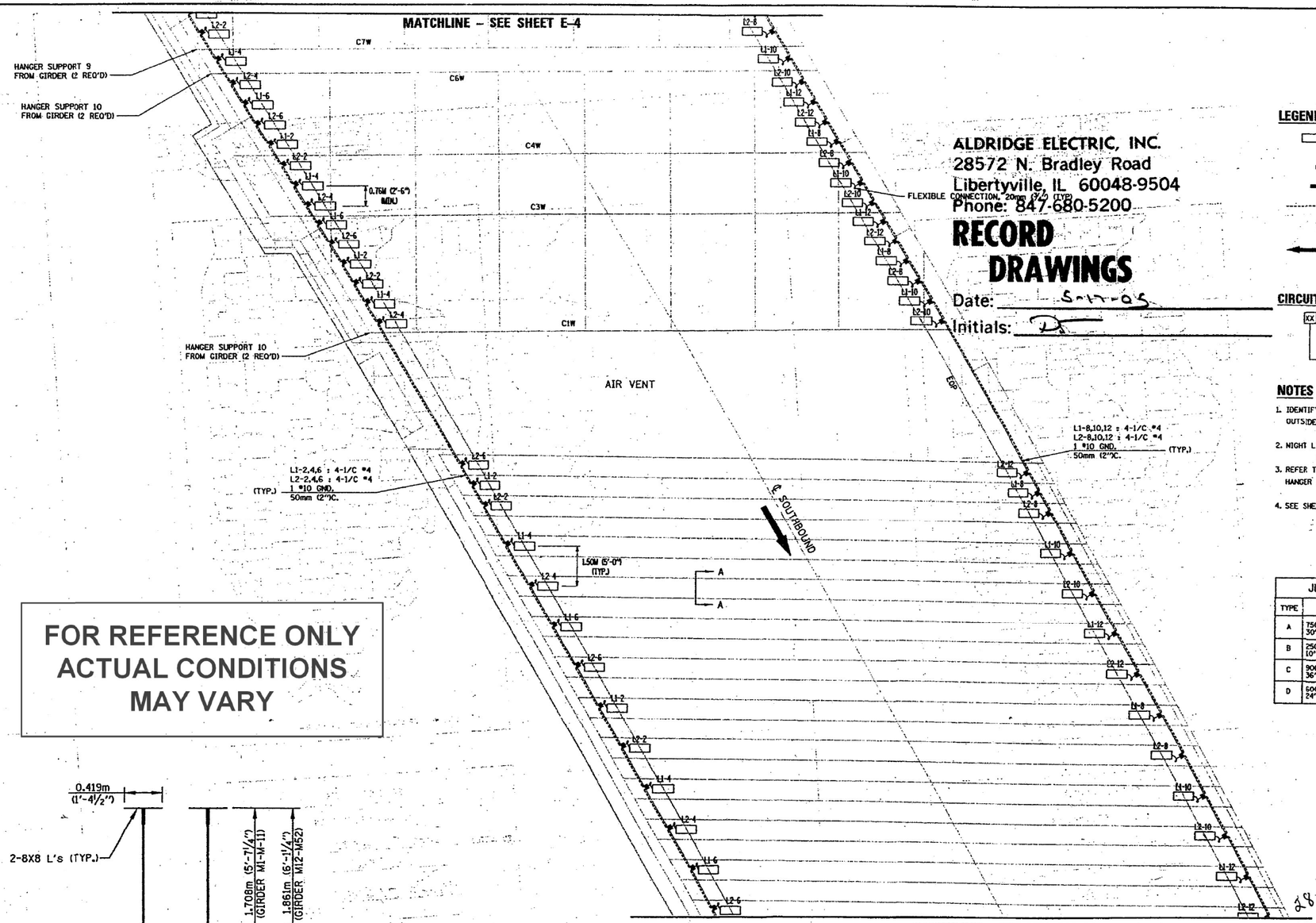
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 6 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	84
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	9
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: [illegible]

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NO.
- PANEL DESIGNATION

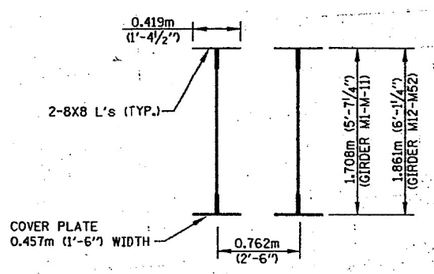
NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

FOR REFERENCE ONLY ACTUAL CONDITIONS MAY VARY



SECTION A – A

0 3m 6m 1:75

N

E-5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
SOUTHBOUND (SHEET 4)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

MODEL: Default
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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

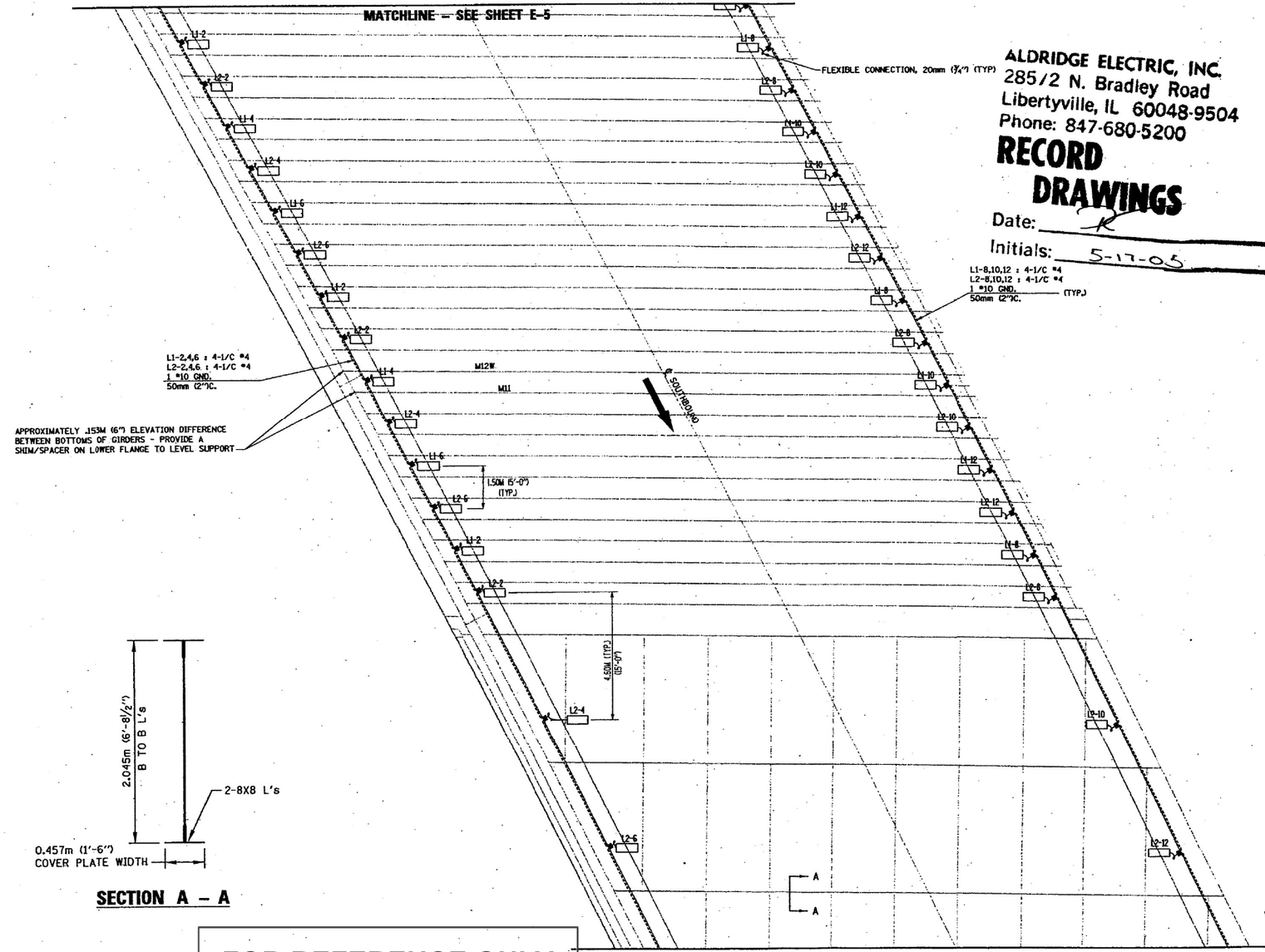
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 7 OF 36 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	85
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	10
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



ALDRIDGE ELECTRIC, INC.
285/2 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: 5-17-05

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NO.
- PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

N

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

E-6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
SOUTHBOUND (SHEET 5)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

MODEL: Default
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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

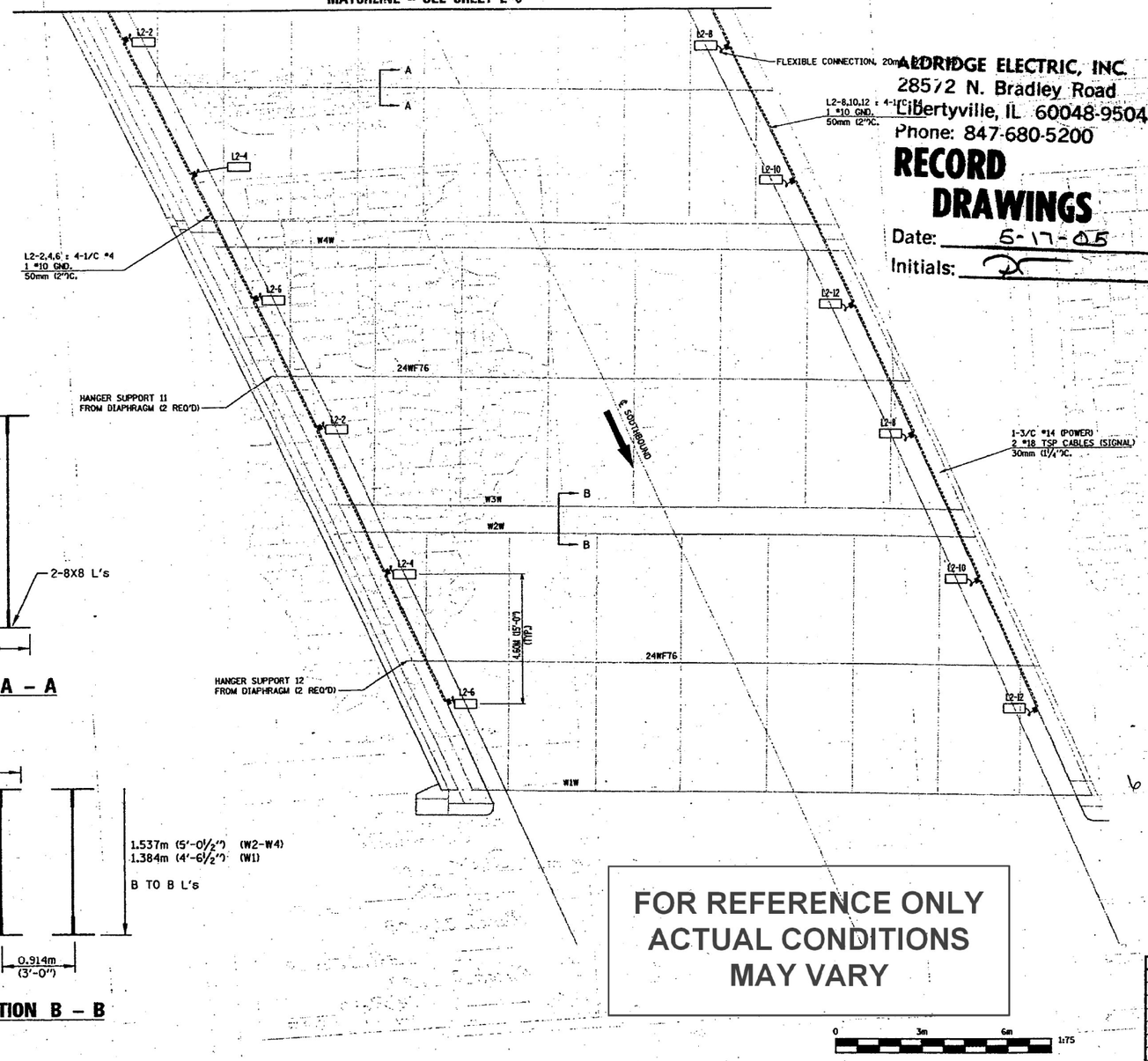
EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 8 OF 36 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	86
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	11
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-91-317-02	

MATCHLINE – SEE SHEET E-6



SECTION A – A

SECTION B – B

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

0 3m 6m 1:75

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NO.
- PANEL DESIGNATION

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

N

E-7

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
SOUTHBOUND (SHEET 6)

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

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Accurate GROUP, INC.

USER NAME = Jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 9 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	87
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	12
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		C-91-317-02

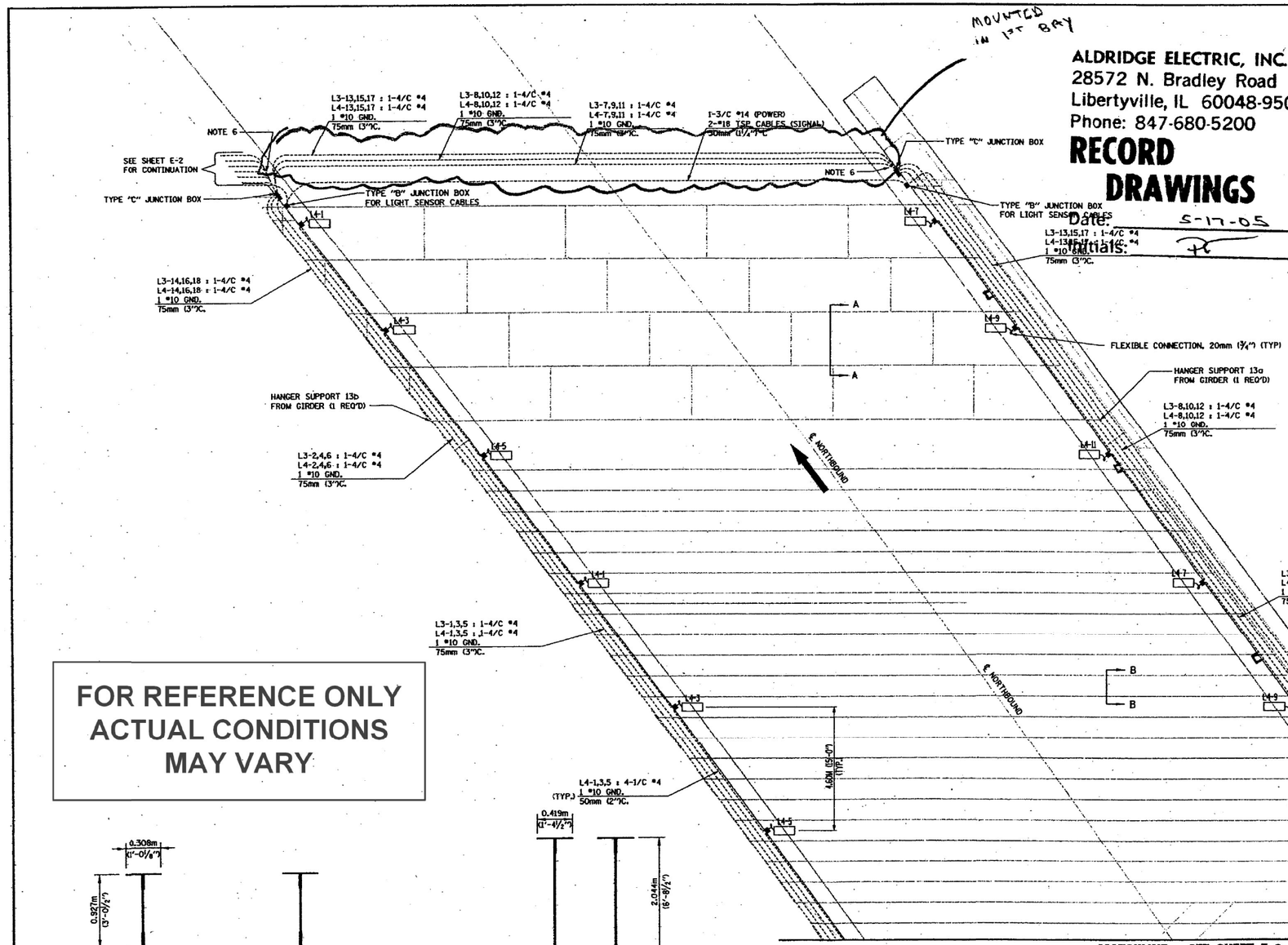
MOUNTED IN 1ST BAY

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:



MATCHLINE – SEE SHEET E-9

SECTION A–A

SECTION B–B

FOR REFERENCE ONLY ACTUAL CONDITIONS MAY VARY

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- XX: CIRCUIT NO.
- XX: PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.
5. SEE SHEET E-39 FOR ELEVATION AND SECTIONS OF CONDUITS CROSSING TRAFFIC LANES.
6. USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC), 18" MAXIMUM LENGTH, TO TRANSITION FROM ABUTMENTS AND PIERS TO STRUCTURAL STEEL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

E-8

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
NORTHBOUND (SHEET 1)

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 10 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	88
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	13
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-3J-317-02	

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: JC

MATCHLINE – SEE SHEET E-8

FLEXIBLE CONNECTION, 20mm (¾") (TYP.)

L3-14,16,18 : 1-4/C #4
L4-14,16,18 : 1-4/C #4
1 #10 GND.
75mm (3")C.

L3-13,15,17 : 1-4/C #4
L4-13,15,17 : 1-4/C #4
1 #10 GND.
75mm (3")C.

EOP

HANGER SUPPORT 23

HANGER SUPPORT 25

HANGER SUPPORT 24

HANGER SUPPORT 26

HANGER SUPPORT 14 FROM GIRDER

D6E
D5E
D4E
D3E
D2E

L50M (5'-0") (TYP.)

3-#14 (POWER)
2-#18 TSP CABLES (SIGNAL)
30mm (1¼") C.

L3-2,4,6 : 1-4/C #4
L4-2,4,6 : 1-4/C #4
1 #10 GND.
75mm (3")C.

L3-8,10,12 : 1-4/C #4
L4-8,10,12 : 1-4/C #4
1 #10 GND.
75mm (3")C.

L3-1,3,5 : 1-4/C #4
L4-1,3,5 : 1-4/C #4
1 #10 GND.
75mm (3")C.

L3-7,9,11 : 1-4/C #4
L4-7,9,11 : 1-4/C #4
1 #10 GND.
75mm (3")C.

L3-1,3,5 : 4-1/C #4
L4-1,3,5 : 4-1/C #4
1 #10 GND.
50mm (2")C. (TYP.)

L3-7,9,11 : 4-1/C #4
L4-7,9,11 : 4-1/C #4
1 #10 GND.
50mm (2")C. (TYP.)

L5-1 L5-2 L5-3 L5-4

A A

N

MATCHLINE – SEE SHEET E-10

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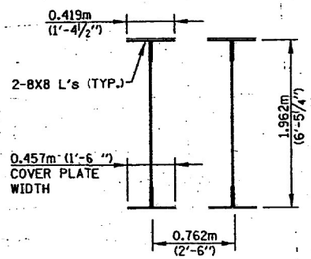
FOR REFERENCE ONLY ACTUAL CONDITIONS MAY VARY



SECTION A – A

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
XX – CIRCUIT NO.
XX – PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

E-9

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
NORTHBOUND (SHEET 2)

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 11 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	89
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

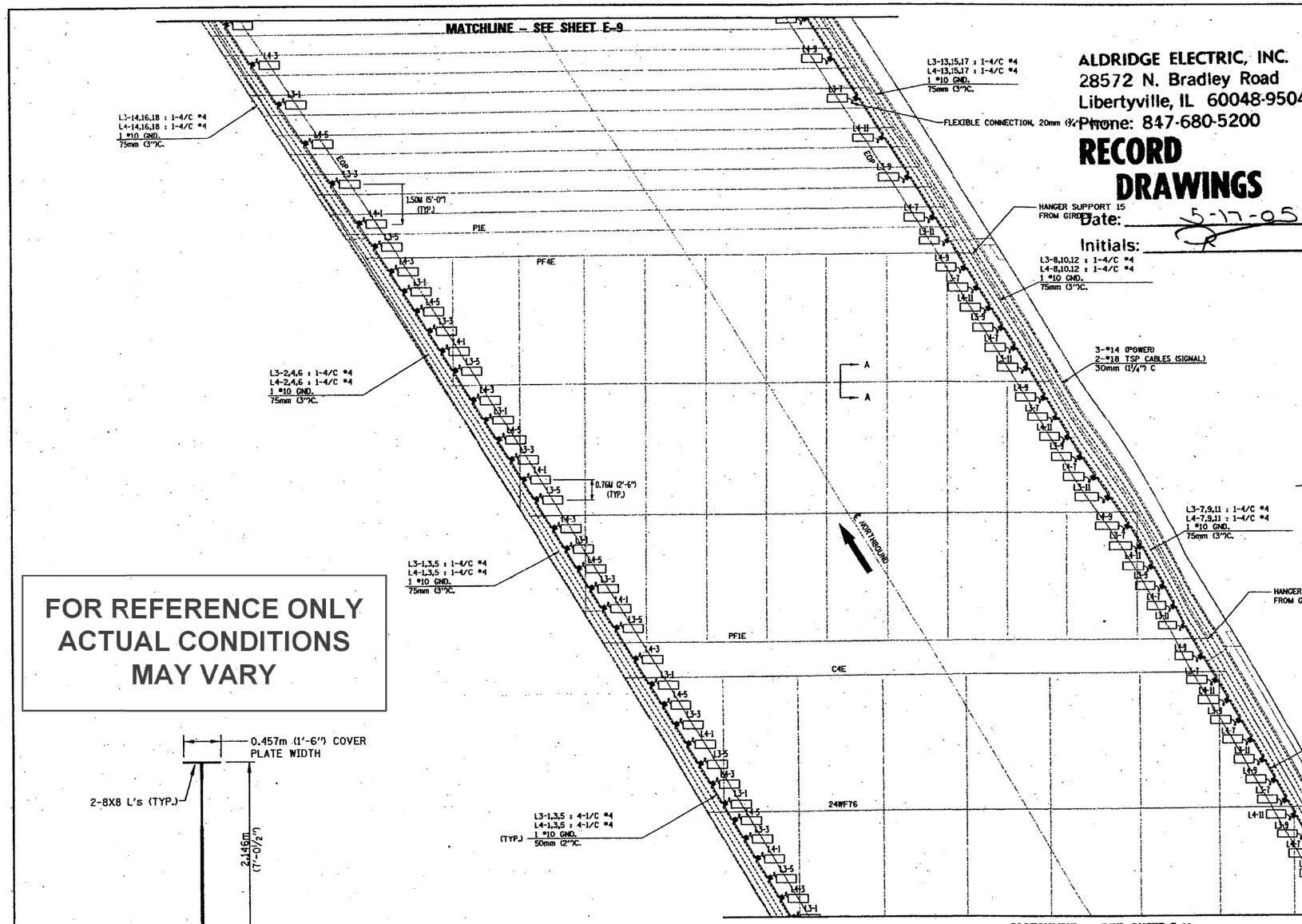
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	14
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02	

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:



LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- XX - CIRCUIT NO.
- XX - PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 8"	

FOR REFERENCE ONLY ACTUAL CONDITIONS MAY VARY

SECTION A – A

E-10

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
NORTHBOUND (SHEET 3)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 12 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	90
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	15
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-91-317-02	

ALDRIDGE ELECTRIC, INC.
285/2 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

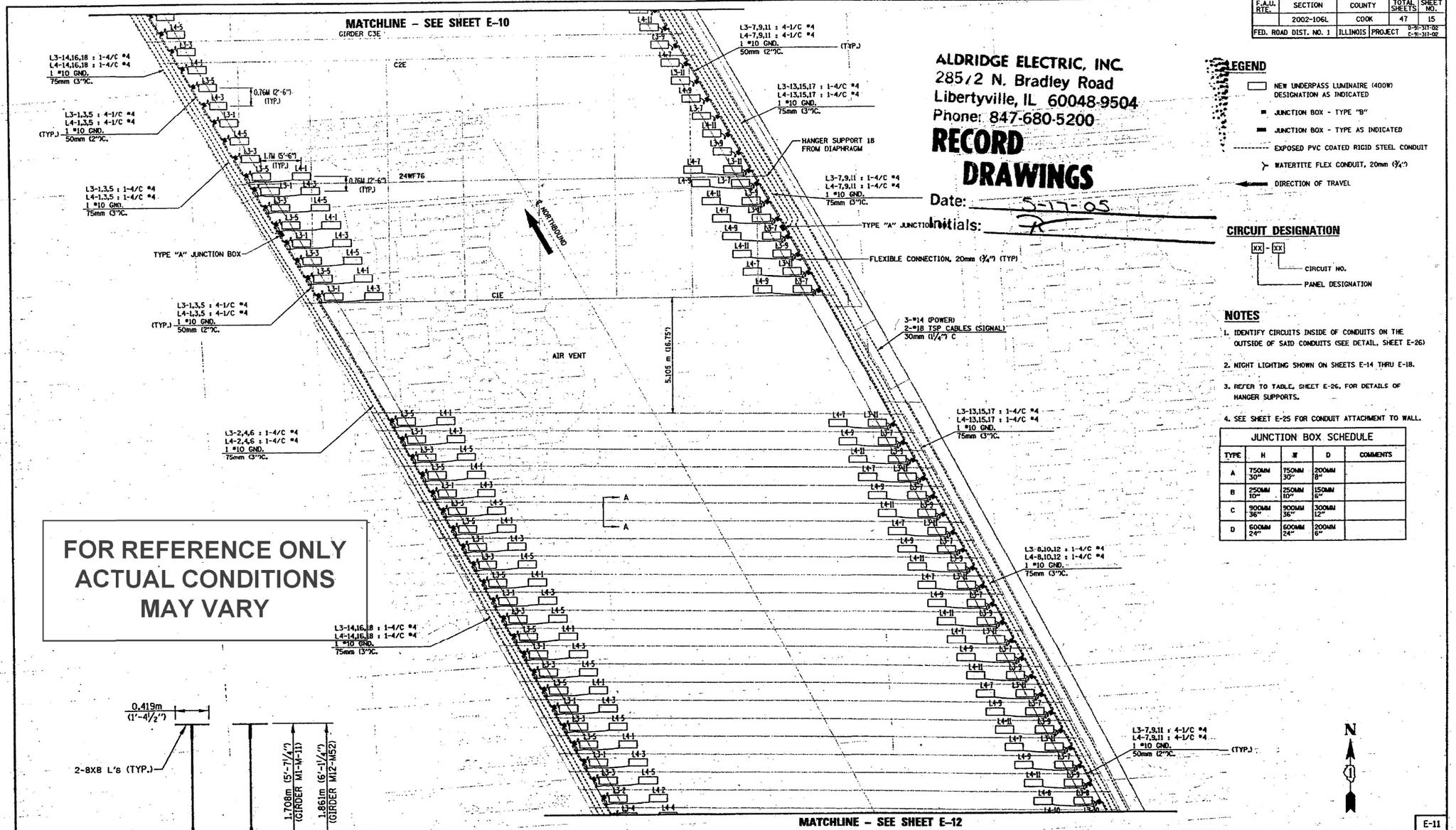
RECORD DRAWINGS

Date: 5-17-05

Initials: JK

MATCHLINE – SEE SHEET E-10

GIRDER C3E



FOR REFERENCE ONLY
ACTUAL CONDITIONS MAY VARY

SECTION A – A

MATCHLINE – SEE SHEET E-12

0 3m 6m 1:75

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- XX: CIRCUIT NO.
- XX: PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

E-11

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
NORTHBOUND (SHEET 4)

DATE 01-17-03

DRAWN BY SVJ
CHECKED BY DEM

\CAD\BRIDGE\Elinw_plan10.dgn 01/20/2003 08:52:48 AM

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FILE NAME: O:\Engineering\Layout\ProjectsDuringWO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-xsl-Exist. Light - 13.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

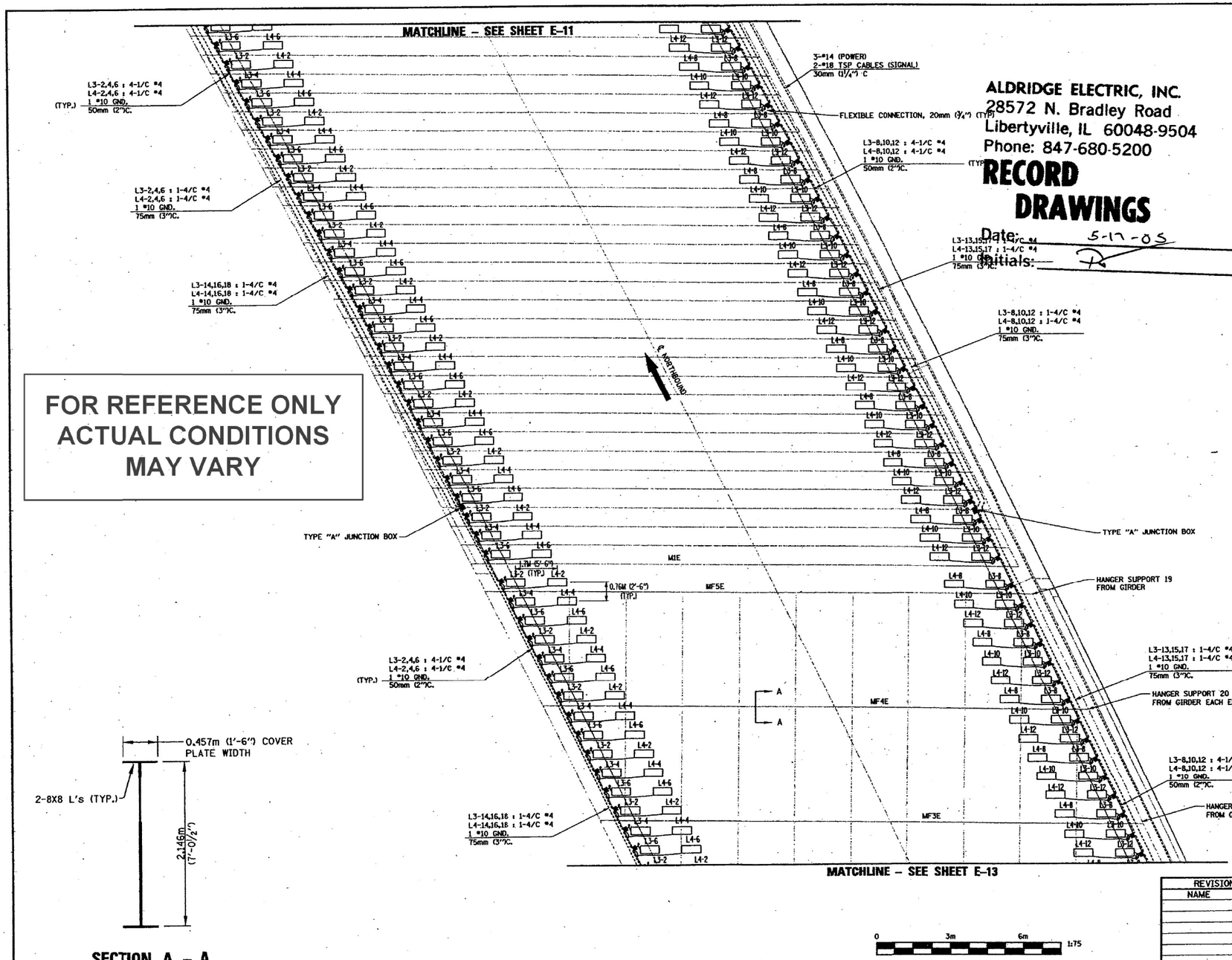
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 13 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	91
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	16
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05
Initials:

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NO.
- PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

E-12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
NORTHBOUND (SHEET 5)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exist Light_14.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 14 OF 36 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	92
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	17
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02	

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS
Date: 5-17-05
Initials:

MATCHLINE – SEE SHEET E-12

L3-2,4,6 : 4-1/C #4
L4-2,4,6 : 4-1/C #4
1 #10 GND.
50mm (2")C.
(TYP.)

L3-14,16,18 : 1-4/C #4
L4-14,16,18 : 1-4/C #4
1 #10 GND.
75mm (3")C.

L3-14,16,18 : 4-1/C #4
L4-14,16,18 : 4-1/C #4
1 #10 GND.
50mm (2")C.
(TYP.)

L3-14,16,18 : 1-4/C #4
L4-14,16,18 : 1-4/C #4
1 #10 GND.
50mm (2")C.
(TYP.)

MF2E
A — MF1E
A — W4E
DIAPHRAGM
W3E
W2E
DIAPHRAGM
W1E

TYPE "A" JUNCTION BOX

E NORTHBOUND

HANGER SUPPORT 20
FROM GIRDER EACH END

L3-8,10,12 : 4-1/C #4
L4-8,10,12 : 4-1/C #4
1 #10 GND.
50mm (2")C.
(TYP.)

L3-13,15,17 : 1-4/C #4
L4-13,15,17 : 1-4/C #4
1 #10 GND.
75mm (3")C.

HANGER SUPPORT 20
FROM GIRDER EACH END

FLEXIBLE CONNECTION, 20mm (¾") (TYP)

HANGER SUPPORT 21
FROM DIAPHRAGM

L3-13,15,17 : 4-1/C #4
L4-13,15,17 : 4-1/C #4
1 #10 GND.
50mm (2")C. (TYP.)

TYPE "A" JUNCTION BOX

3-#14 (POWER)
2-#18 TSP CABLES (SIGNAL)
30mm (1¼") C

HANGER SUPPORT 22
FROM DIAPHRAGMS

L3-13,15,17 : 4-1/C #4
L4-13,15,17 : 4-1/C #4
1 #10 GND.
50mm (2")C. (TYP.)

0.76M (2'-6") (TYP.)

4.57M (15'-6") (TYP.)

TYPE "B" JUNCTION BOX

SEE SHT E-38 FOR DETAIL

3-#14 (POWER)
2-#18 TSP CABLES (SIGNAL)
30mm (1¼") PVC COATED CONDUIT
IN TRENCH, 0.6m (24") BELOW
FINISHED GRADE

TYPE "B" JUNCTION BOX

10m (32')

LIGHT POLE, ALUMINUM, 9.0M (30') M.H.
TENON MOUNT, ON LIGHT POLE FOUNDATION,
600mm (24") DIAMETER, SET 1.5M (5') FROM
BACK OF CURB

NORTHBOUND TUNNEL
LIGHT SENSOR MOUNTED
6.0m (20') MIN. ABOVE
FINISHED GRADE

0 3m 6m 1:75

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

1.842m (6'-0 2/4")
2-8X8 L's (TYP.)
0.457m (1'-6") COVER PLATE WIDTH
0.914m (3'-0")

SECTION A – A

▲ Deleted Due to conflict with duct bank

LEGEND

- NEW UNDERPASS LUMINAIRE (400W) DESIGNATION AS INDICATED
- JUNCTION BOX - TYPE "B"
- JUNCTION BOX - TYPE AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- WATERTITE FLEX CONDUIT, 20mm (¾")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- XX: CIRCUIT NO.
- XX: PANEL DESIGNATION

NOTES

1. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
2. NIGHT LIGHTING SHOWN ON SHEETS E-14 THRU E-18.
3. REFER TO TABLE, SHEET E-26, FOR DETAILS OF HANGER SUPPORTS.
4. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 8"	

N

E-13

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED LIGHTING LAYOUT
NORTHBOUND (SHEET 6)

DATE 01-17-03
DRAWN BY SVJ
CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 15 OF 36 SHEETS | STA. | TO STA.

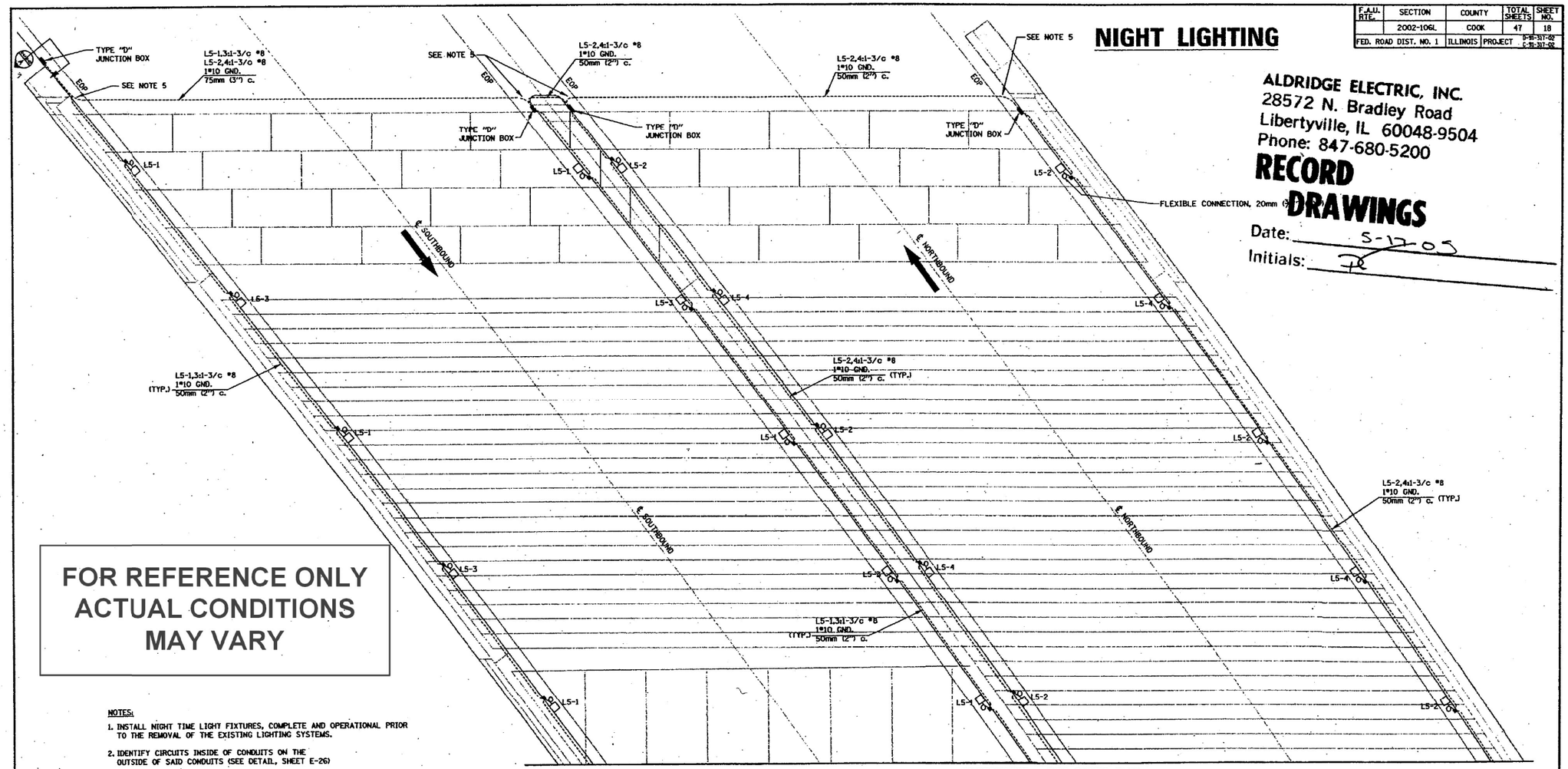
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	93
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	18
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		C-91-317-02 C-91-317-02

NIGHT LIGHTING

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS
Date: 5-12-05
Initials:



MATCHLINE – SEE SHEET E-15

FOR REFERENCE ONLY ACTUAL CONDITIONS MAY VARY

NOTES:

1. INSTALL NIGHT TIME LIGHT FIXTURES, COMPLETE AND OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIGHTING SYSTEMS.
2. IDENTIFY CIRCUITS INSIDE OF CONDUITS ON THE OUTSIDE OF SAID CONDUITS (SEE DETAIL, SHEET E-26)
3. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.
4. SEE SHEET E-39 FOR ELEVATION AND SECTIONS OF CONDUITS CROSSING TRAFFIC LANES.
5. USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC), 18" MAXIMUM LENGTH, TO TRANSITION FROM ABUTMENTS AND PIERS TO STRUCTURAL STEEL.

LEGEND

- NEW NIGHT LIGHT LUMINAIRE (150W) DESIGNATION AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- JUNCTION BOX - TYPE "B"
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NUMBER
- PANEL DESIGNATION

0 5m 10m
1:100

N

E-14

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED NIGHT LIGHTING LAYOUT
(SHEET 1)

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 16 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	94
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	19
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D 51 317 02 C-90 317-02	

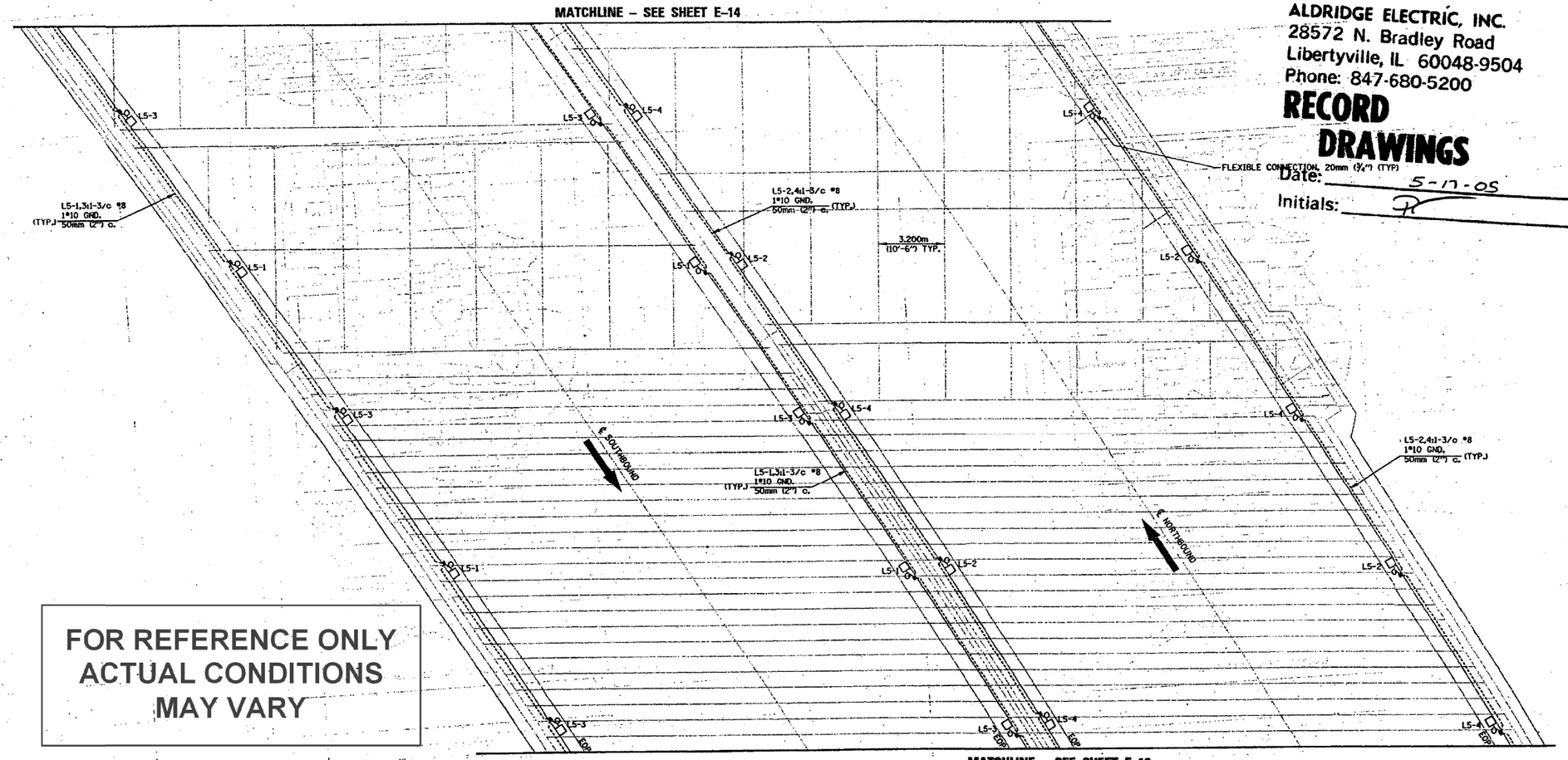
NIGHT LIGHTING

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: [illegible]



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

LEGEND

- NEW NIGHT LIGHT LUMINAIRE (150W) DESIGNATION AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- JUNCTION BOX - TYPE "B"
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NUMBER
- PANEL DESIGNATION

0 5m 10m
1:100

N

NOTES:

1. INSTALL NIGHT TIME LIGHT FIXTURES, COMPLETE AND OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIGHTING SYSTEMS.
2. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

E-15

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED NIGHT LIGHTING LAYOUT
(SHEET 2)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exist Light_17.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JMT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING PLANS WB I-94 BRIDGE PAINTING & LIGHTING
		DRAWN - JMT	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -		
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE SHEET 17 OF 36 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	95
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	20
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02	

NIGHT LIGHTING

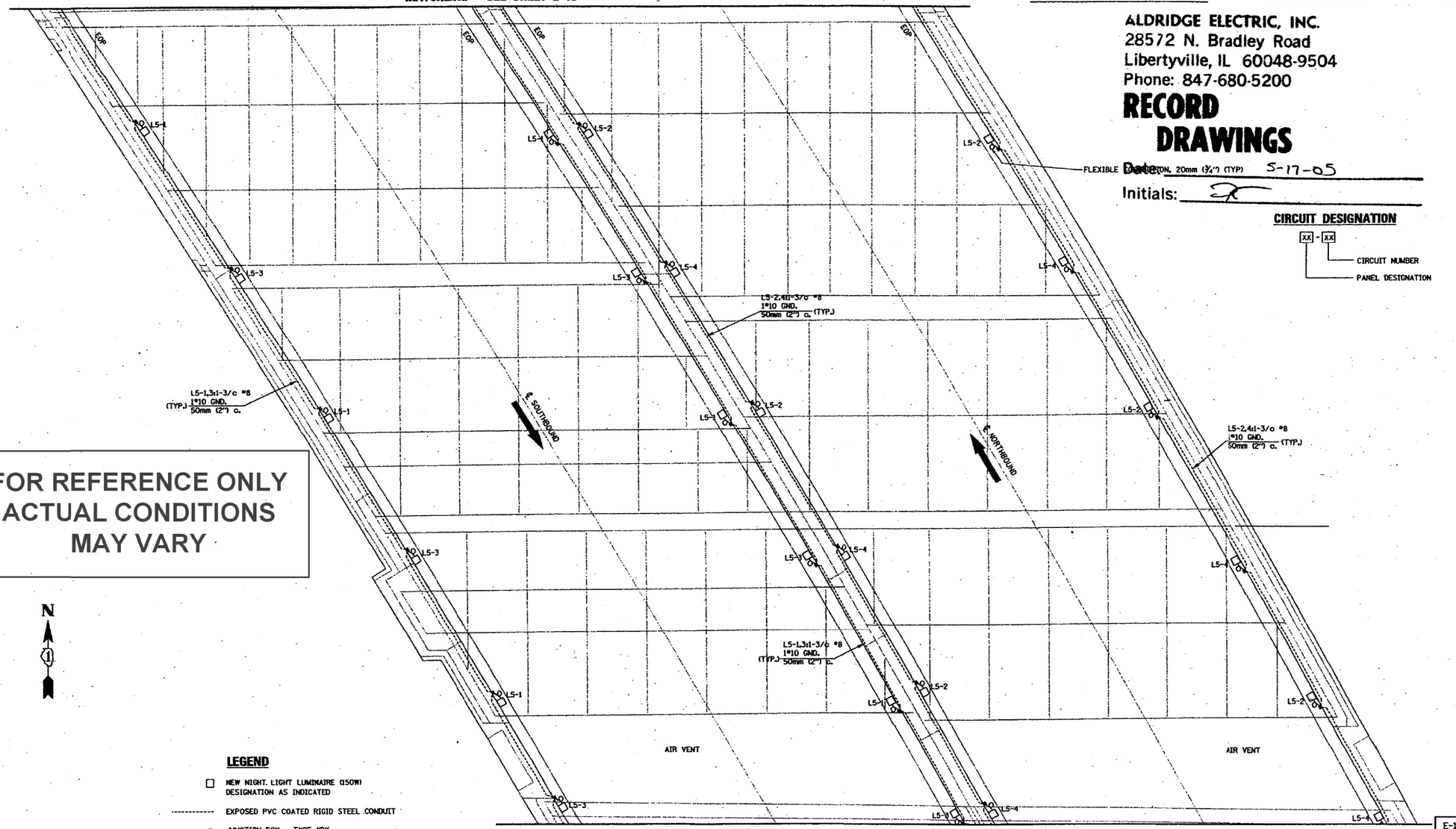
ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:

MATCHLINE – SEE SHEET E-15



CIRCUIT DESIGNATION

xx - xx
- xx: CIRCUIT NUMBER
- xx: PANEL DESIGNATION

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

N

LEGEND

- □ NEW NIGHT LIGHT LUMINAIRE (150W) DESIGNATION AS INDICATED
- ---------- EXPOSED PVC COATED RIGID STEEL CONDUIT
- ▪ JUNCTION BOX - TYPE "B"
- Ω WATERTITE FLEX CONDUIT, 20mm (¾")
- ◄ DIRECTION OF TRAVEL

MATCHLINE – SEE SHEET E-17

E-16

NOTES:

1. INSTALL NIGHT TIME LIGHT FIXTURES, COMPLETE AND OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIGHTING SYSTEMS.
2. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

0 5m 10m
1:100

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED NIGHT LIGHTING LAYOUT
(SHEET 3)

DRAWN BY SVJ
DATE 01-17-03 CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 18 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	96
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	21
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	

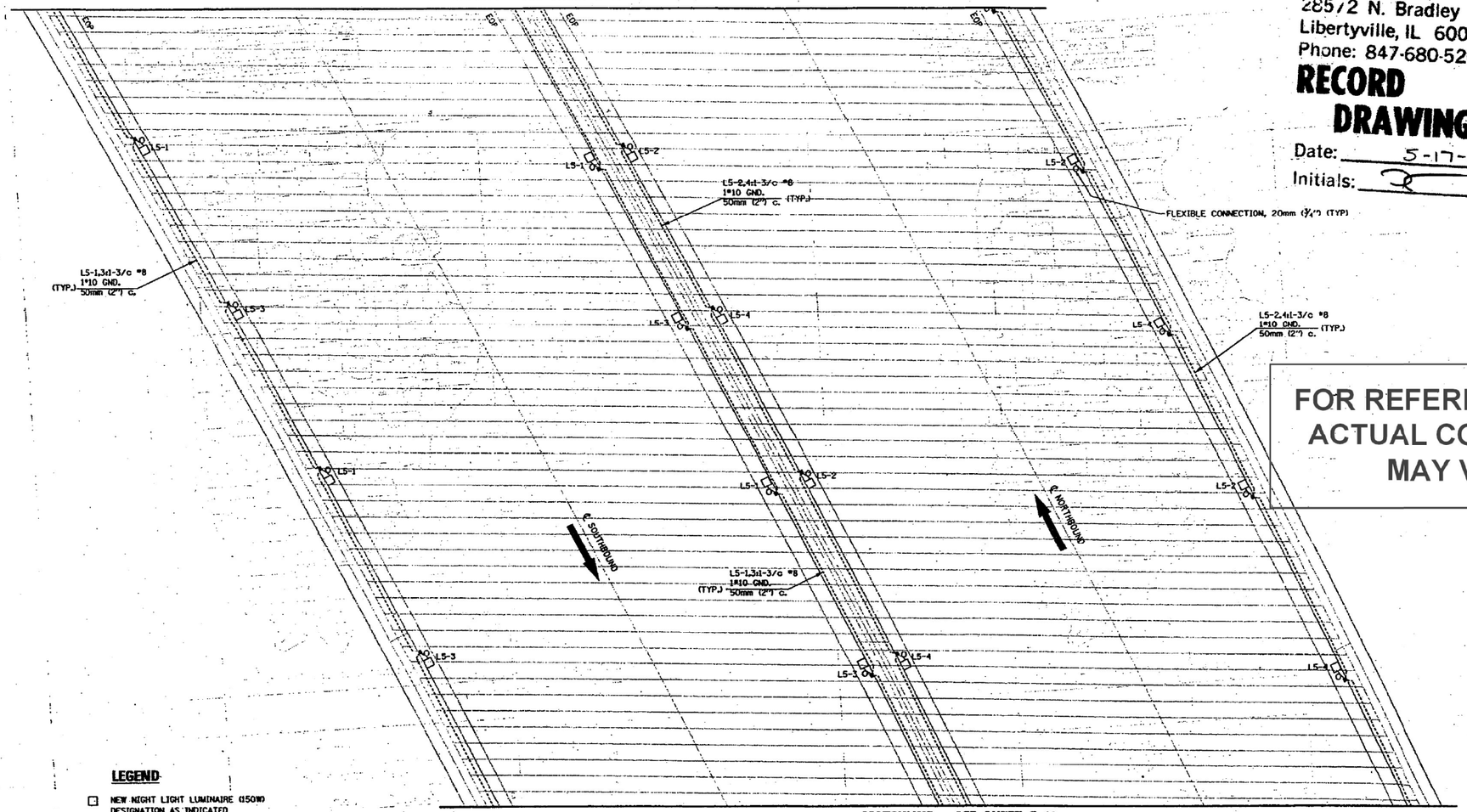
NIGHT LIGHTING

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: [illegible]



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

LEGEND

- NEW NIGHT LIGHT LUMINAIRE (150W) DESIGNATION AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- JUNCTION BOX - TYPE "B"
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

0 5m 10m
1:100

CIRCUIT DESIGNATION

XX - XX
CIRCUIT NUMBER
PANEL DESIGNATION

NOTES:

1. INSTALL NIGHT TIME LIGHT FIXTURES, COMPLETE AND OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIGHTING SYSTEMS.
2. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

E-17

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED NIGHT LIGHTING LAYOUT
(SHEET 4)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exist_Light_19.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JMT	REVISED -
		DRAWN - JMT	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 19 OF 36 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	97
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	22
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-91-317-02	

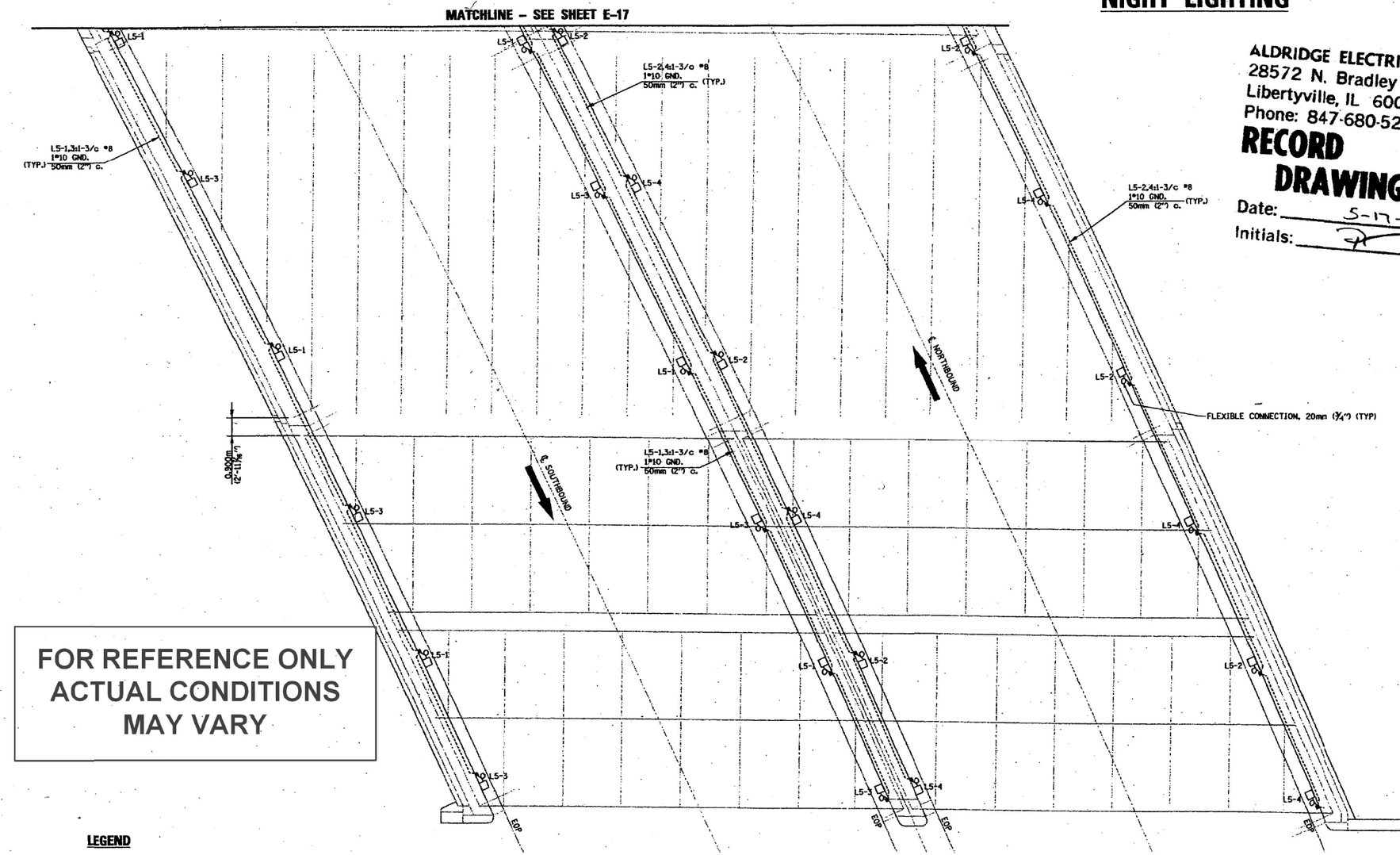
NIGHT LIGHTING

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: [illegible]



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

LEGEND

- NEW NIGHT LIGHT LUMINAIRE (150W) DESIGNATION AS INDICATED
- EXPOSED PVC COATED RIGID STEEL CONDUIT
- JUNCTION BOX - TYPE "B"
- WATERTITE FLEX CONDUIT, 20mm (3/4")
- DIRECTION OF TRAVEL

CIRCUIT DESIGNATION

XX - XX
- CIRCUIT NUMBER
- PANEL DESIGNATION

0 5m 10m
1:100

N

NOTES:

1. INSTALL NIGHT TIME LIGHT FIXTURES, COMPLETE AND OPERATIONAL PRIOR TO THE REMOVAL OF THE EXISTING LIGHTING SYSTEMS.
2. SEE SHEET E-25 FOR CONDUIT ATTACHMENT TO WALL.

E-18

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
PROPOSED NIGHT LIGHTING LAYOUT
(SHEET 5)

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exist Light_20.dgn

Accurate GROUP, INC.	USER NAME = jdavis	DESIGNED - JMT	REVISED -
		DRAWN - JMT	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
	PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 20 OF 36 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	98
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

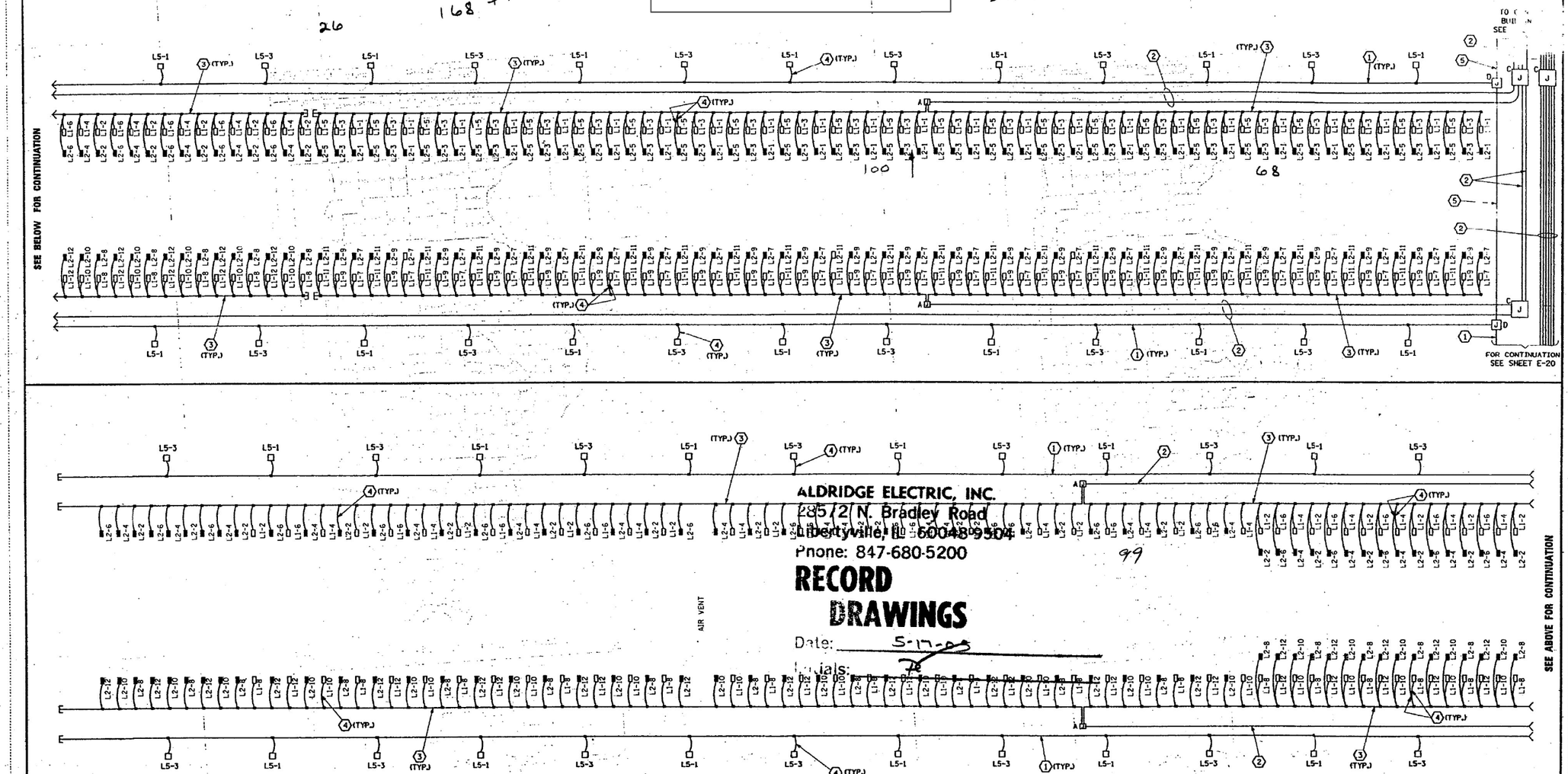
FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
	2002-106L	COOK	47	23
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-31 C-91-31	

NIGHT TIME = 26x2 = 52
DAY TIME = 267x2 = 534

168 + 99 = 267

26



ALDRIDGE ELECTRIC, INC.
2852 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS
Date: 5-17-03
Initials:

99

26
168+99=267

CIRCUIT DESIGNATION

XX - XX
CIRCUIT NUMBER
PANEL DESIGNATION

LEGEND

- NEW UNDERPASS LUMINAIRE LEVEL 1
- NEW UNDERPASS LUMINAIRE LEVEL 2
- NEW NIGHT TIME LUMINAIRE
- A J NEW JUNCTION BOX-TYPE AS INDICATED
- NEW JUNCTION BOX- TYPE B
- NEW FLEXIBLE CONDUIT

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (3/4") FLEX. C
5. 2 - 3/C #8, 1 #10 GND. IN 75mm (3") C

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

E-19

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
SINGLE LINE DIAGRAM
SOUTHBOUND

DATE 01-17-03
DRAWN BY SVJ
CHECKED BY DEM

MODEL: Default
FILE NAME: O:\Engineering\LiveProjects\20005_IDOT_DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exist_Light_21.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

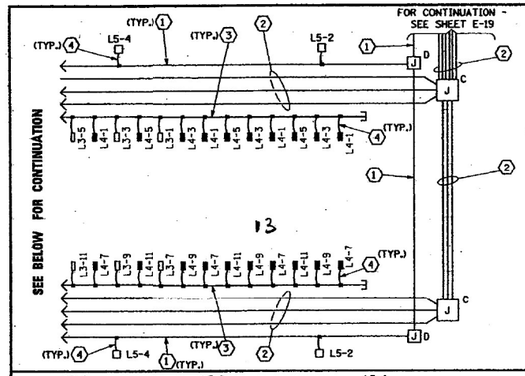
EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 21 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	99
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	24
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



CIRCUIT DESIGNATION

XX - XX
CIRCUIT NUMBER
PANEL DESIGNATION

LEGEND

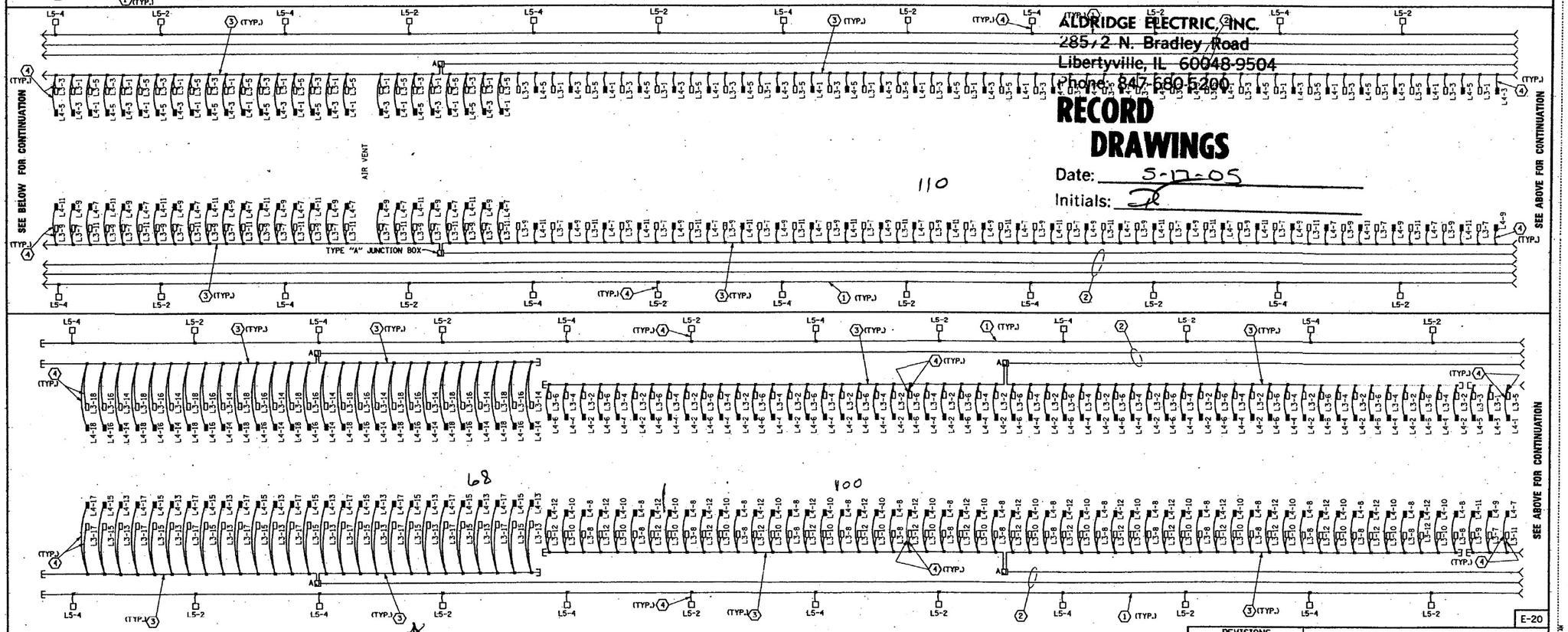
- NEW UNDERPASS LUMINAIRE LEVEL 1
- NEW UNDERPASS LUMINAIRE LEVEL 2
- NEW NIGHT TIME LUMINAIRE
- A J NEW JUNCTION BOX-TYPE AS INDICATED
- NEW JUNCTION BOX- TYPE B
- NEW FLEXIBLE CONDUIT

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (3/4") FLEX. C
5. 2 - 3/C #8, 1 #10 GND. IN 75mm (3") C

26

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	



ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05
Initials: [illegible]

Total
NIGHT TIME = 104
DAYTIME = 1116

26

NIGHT TIME = 26X2 = 52
DAY TIME = 291X2 = 582

E-20

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
SINGLE LINE DIAGRAM
NORTHBOUND

DATE 01-17-03
DRAWN BY SVJ
CHECKED BY DEM

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exist_Light_22.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 22 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	100
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

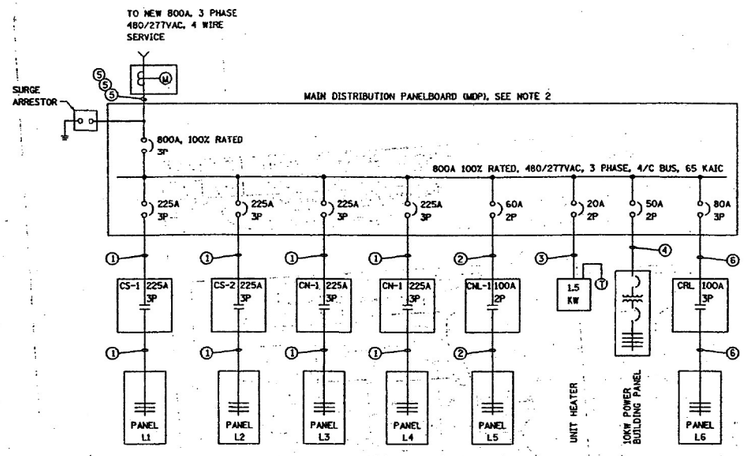
RECORD DRAWINGS

Date: 5-17-05

Initials: R

FOR REFERENCE ONLY
ACTUAL CONDITIONS MAY VARY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	25
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		



FEEDER SCHEDULE	
FEEDER	DESTINATION
①	4 #4/0, 1 #4 GND. IN 65MM (2½") C
②	3 #4, 1 #10 GND. IN 30MM (1¼") C
③	2 #12, 1 #12 GND. IN 20MM (¾") C
④	3 #8, 1 #12 GND. IN 20MM (¾") C
⑤	4 350 KCMIL IN 100mm (4") C
⑥	4 #4, 1 #10 GND. IN 30MM (1¼") C

NOTES:
1. FOR CONTROL SCHEMATIC SEE SHEET E-24
2. MAIN DISTRIBUTION PANEL AND MAIN BREAKER SHALL BE CONTINUOUS DUTY AT 100% RATED AMPACITY.

PANEL BOARD: BUILDING PANEL | 240/120 VOLTS | 1 PHASE | 3 WIRE | 50 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 22k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	BP-1	20	12	PROGRAMMABLE LIGHTING CONTROLLER	150		2	BP-2	20	12	EXHAUST FAN / INTAKE LOUVER
3	BP-3	20	12	RECEPTACLES		840	4	BP-4	20	12	LIGHTING FIXTURE
5	BP-5	20	12	ROADWAY LIGHTING CONTROLLER	150	100	6	BP-6	20		SPARE
7	BP-7	20		SPARE			8	BP-8	20		SPARE
9	BP-9	20		SPARE			10	BP-10	20		SPARE
11	BP-11	20		SPARE			12	BP-12	20		SPARE
TOTAL CONNECTED LOAD: 7.25 AMPERES 1740 VA					800	940					

PANEL BOARD: L5 | 480/277 VOLTS | 1 PHASE | 3 WIRE | 60 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L5-1	30	8	26 LUMINAIRES	5041		2	L5-2	30	8	26 LUMINAIRES
3	L5-3	30	8	26 LUMINAIRES		5041	4	L5-4	30	8	26 LUMINAIRES
5	L5-5	30		SPARE		5041	6	L5-6	30		SPARE
TOTAL CONNECTED LOAD: 42 AMPERES 20126 VA					10082	10082					NOTE: NIGHT LIGHTS

PANEL BOARD: L6 | 480/277 VOLTS | 3 PHASE | 4 WIRE | 80 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	LOAD - VA ø C	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L6-1	50	6	ROADWAY LUMINAIRES				2	L6-2	50	6	ROADWAY LUMINAIRES
3	L6-3	50	6	ROADWAY LUMINAIRES				4	L6-4	50	6	ROADWAY LUMINAIRES
5	L6-5	50	6	ROADWAY LUMINAIRES				6	L6-6	50	6	ROADWAY LUMINAIRES
TOTAL CONNECTED LOAD: AMPERES VA												NOTE: EXISTING ROADWAY LIGHTING CIRCUITS

PANEL BOARD: L1 | 480/277 VOLTS | 3 PHASE | 4 WIRE | 225 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	LOAD - VA ø C	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L1-1	50	4	23 LUMINAIRES	10831			2	L1-2	50	4	21 LUMINAIRES
3	L1-3	50	4	23 LUMINAIRES	9889	10831		4	L1-4	50	4	20 LUMINAIRES
5	L1-5	50	4	23 LUMINAIRES		10831		6	L1-6	50	4	19 LUMINAIRES
7	L1-7	50	4	23 LUMINAIRES	10831	8947		8	L1-8	50	4	21 LUMINAIRES
9	L1-9	50	4	23 LUMINAIRES	9889	10831		10	L1-10	50	4	20 LUMINAIRES
11	L1-11	50	4	23 LUMINAIRES	10831	9418		12	L1-12	50	4	19 LUMINAIRES
13						10831		14				
15						8947		16				
17								18				
19								20				
21								22				
23								24				
TOTAL CONNECTED LOAD: 146.3 AMPERES 121494 VA					41440	40498	39556					NOTE: SOUTHBOUND LEVEL 1 CIRCUITS

PANEL BOARD: L3 | 480/277 VOLTS | 3 PHASE | 4 WIRE | 225 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	LOAD - VA ø C	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L3-1	50	4	21 LUMINAIRES	9889			2	L3-2	50	4	18 LUMINAIRES
3	L3-3	50	4	20 LUMINAIRES	8476	9418		4	L3-4	50	4	18 LUMINAIRES
5	L3-5	50	4	20 LUMINAIRES		9418		6	L3-6	50	4	18 LUMINAIRES
7	L3-7	50	4	21 LUMINAIRES	9889	8476		8	L3-8	50	4	18 LUMINAIRES
9	L3-9	50	4	20 LUMINAIRES	8476	9418		10	L3-10	50	4	18 LUMINAIRES
11	L3-11	50	4	20 LUMINAIRES		8476		12	L3-12	50	4	18 LUMINAIRES
13	L3-13	30	4	9 LUMINAIRES	4238	9418		14	L3-14	30	4	9 LUMINAIRES
15	L3-15	30	4	9 LUMINAIRES	4238	8476		16	L3-16	30	4	9 LUMINAIRES
17	L3-17	30	4	9 LUMINAIRES	4238	4238		18	L3-18	30	4	9 LUMINAIRES
19						4238		20				
21								22				
23								24				
TOTAL CONNECTED LOAD: 161.1 AMPERES 133734 VA					45206	44264	44264					NOTE: NORTHBOUND LEVEL 1 CIRCUITS

PANEL BOARD: L2 | 480/277 VOLTS | 3 PHASE | 4 WIRE | 225 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	LOAD - VA ø C	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L2-1	50	4	23 LUMINAIRES	10831			2	L2-2	50	4	23 LUMINAIRES
3	L2-3	50	4	23 LUMINAIRES	10831	10831		4	L2-4	50	4	23 LUMINAIRES
5	L2-5	50	4	23 LUMINAIRES		10831		6	L2-6	50	4	23 LUMINAIRES
7	L2-7	50	4	23 LUMINAIRES	10831	10831		8	L2-8	50	4	23 LUMINAIRES
9	L2-9	50	4	23 LUMINAIRES	10831	10831		10	L2-10	50	4	23 LUMINAIRES
11	L2-11	50	4	23 LUMINAIRES	10831	10831		12	L2-12	50	4	23 LUMINAIRES
13								14				
15								16				
17								18				
19								20				
21								22				
23								24				
TOTAL CONNECTED LOAD: 156.5 AMPERES 129972 VA					43324	43324	43324					NOTE: SOUTHBOUND LEVEL 2 CIRCUITS

PANEL BOARD: L4 | 480/277 VOLTS | 3 PHASE | 4 WIRE | 225 AMP. M.C.B. ☐ M.L.O.
LOCATION: CONTROL BUILDING | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	LOAD - VA ø C	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L4-1	50	4	23 LUMINAIRES	10831			2	L4-2	50	4	18 LUMINAIRES
3	L4-3	50	4	23 LUMINAIRES	8476	10831		4	L4-4	50	4	18 LUMINAIRES
5	L4-5	50	4	22 LUMINAIRES		8476	10360	6	L4-6	50	4	18 LUMINAIRES
7	L4-7	50	4	23 LUMINAIRES	10831		8476	8	L4-8	50	4	18 LUMINAIRES
9	L4-9	50	4	23 LUMINAIRES	8476	10831		10	L4-10	50	4	18 LUMINAIRES
11	L4-11	50	4	22 LUMINAIRES		8476	10360	12	L4-12	50	4	18 LUMINAIRES
13	L4-13	30	4	9 LUMINAIRES	4238	8476	8476	14	L4-14	30	4	9 LUMINAIRES
15	L4-15	30	4	9 LUMINAIRES	4238	4238		16	L4-16	30	4	9 LUMINAIRES
17	L4-17	30	4	9 LUMINAIRES	4238	4238		18	L4-18	30	4	9 LUMINAIRES
19								20				
21								22				
23								24				
TOTAL CONNECTED LOAD: 169.0 AMPERES 140328 VA					47090	47090	46148					NOTE: NORTHBOUND LEVEL 2 CIRCUITS

PANEL BOARD: TEMPORARY | 480/277 VOLTS | 3 PHASE | 4 WIRE | 200 AMP. M.C.B. ☐ M.L.O.
LOCATION: POLE | 65k SYM. A.I.C. MIN. | SURFACE MOUNTED

POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION	LOAD - VA ø A	LOAD - VA ø B	POLE NO.	CIRCUIT NO.	TRIP AMPS	WIRE SIZE	LOAD DESCRIPTION
1	L5-1	30	8	26 LUMINAIRES	5041		2	L5-2	30	8	26 LUMINAIRES
3	L5-3	30	8	26 LUMINAIRES	5041	5041	4	L5-4	30	8	26 LUMINAIRES
5	L6-1	50	6	ROADWAY LUMINAIRES		5041	6	L6-2	50	6	ROADWAY LUMINAIRES
7	L6-3	50	6	ROADWAY LUMINAIRES			8	L6-4	50	6	ROADWAY LUMINAIRES
9	L6-5	50	6	ROADWAY LUMINAIRES			10	L6-6	50	6	ROADWAY LUMINAIRES
TOTAL CONNECTED LOAD: AMPERES VA					10082	10082					NOTE: POLES 1-4 ARE NIGHT LIGHTS, POLES 5-10 ARE EXISTING LIGHTING CIRCUITS

NOTE:
TEMPORARY PANELBOARD SHALL BE NEMA 250 TYPE 3R

E-21

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
POWER DISTRIBUTION DIAGRAM
AND PANEL SCHEDULE

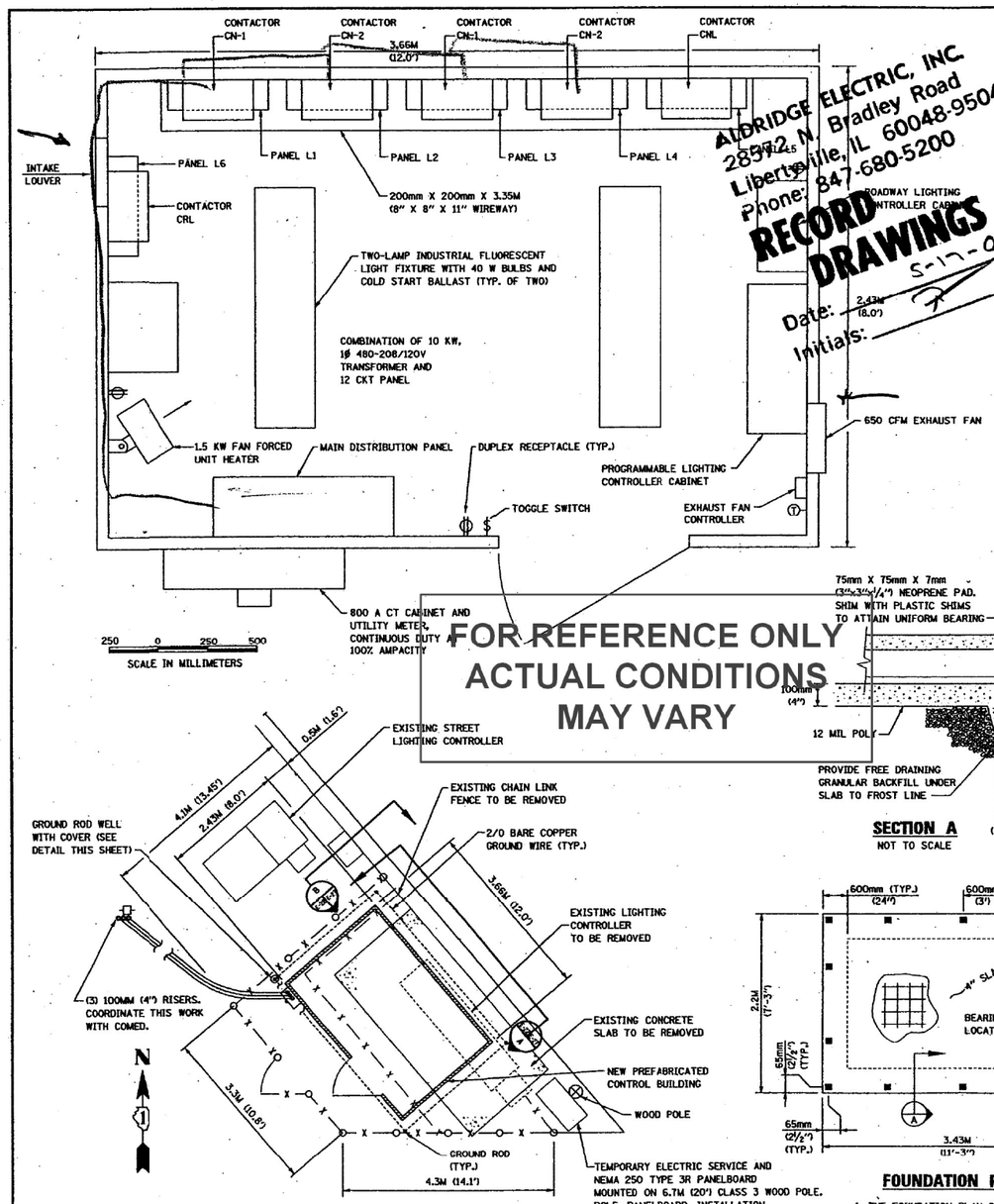
DRAWN BY JRH
CHECKED BY DEM
DATE 02-14-03

MODEL: Default
FILE NAME: O:\Engineering\Live\Projects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Cd\WO2\36\D162136-ht-Exist. Light_23.dgn
C:\ADP\ADP623\Power_Std.dgn 02/17/2003 02:26:14 PM

Accurate GROUP, INC.					
USER NAME = jdavis	DESIGNED - JMT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING PLANS WB I-94 BRIDGE PAINTING & LIGHTING	
	DRAWN - JMT	REVISED -			
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -			
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE SHEET 23 OF 36 SHEETS STA. TO STA.	

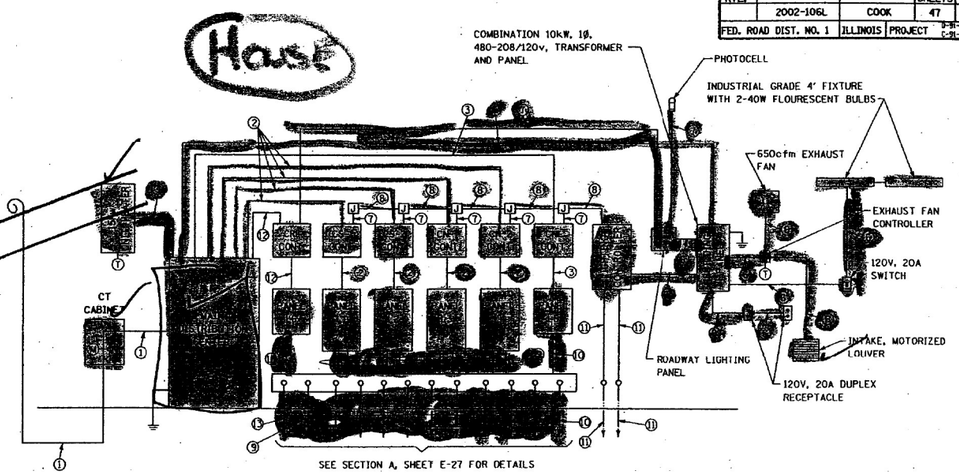
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	101
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	26
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02	C-91-317-02



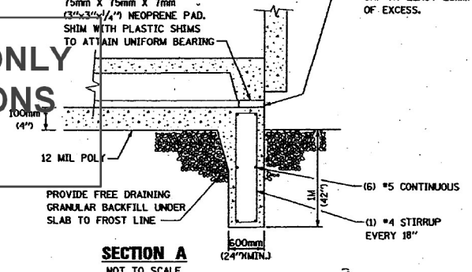
ALDRIDGE ELECTRIC, INC.
28972 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200
RECORD DRAWINGS
Date: 5-17-05
Initials:

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY



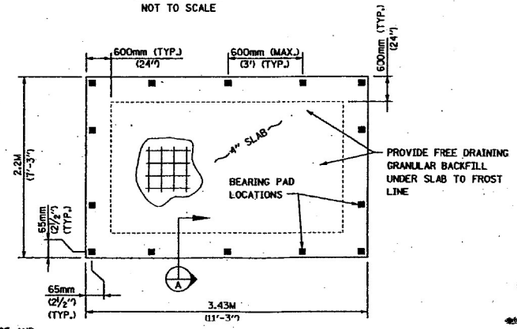
RISER DIAGRAM

SITE PLAN



SECTION A

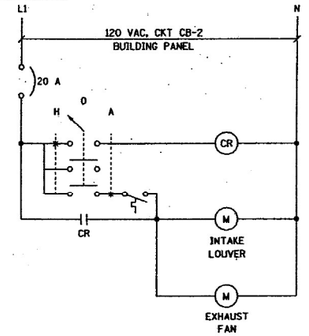
NOT TO SCALE



FOUNDATION PLAN

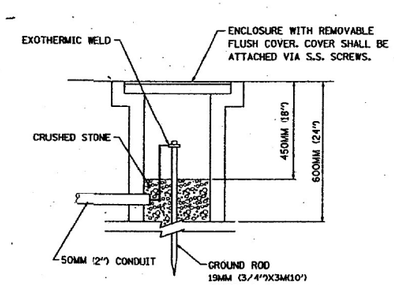
1. THE FOUNDATION PLAN SHOWN IS FOR INFORMATION ONLY. ALL DIMENSIONS SHOWN ARE MINIMUM. THE ACTUAL FOUNDATION SHALL BE CONSTRUCTED PER PRE-FABRICATED BUILDING MANUFACTURER'S REQUIREMENTS.
2. CONCRETE SHALL BE 3000 PSI.
3. REBAR Fy=60,000 PSI.

PROVIDE SEAL AROUND ENTIRE PERIMETER OF BUILDING USING EXTERIOR GRADE RTV COMPOUND TO PREVENT ENTRY OF PESTS. COMPOUND MUST PENETRATE GAP AT LEAST 25mm (1") AFTER REMOVAL OF EXCESS.



EXHAUST FAN/INTAKE LOUVER CONTROL DIAGRAM

NOTE: INSTALL THE CONTROLLER IN NEMA 1 ENCLOSURE



GROUND WELL DETAIL

NOT TO SCALE

NOMENCLATURE

1. 3 SETS OF (4 350 KCMIL IN 100mm (4") RGS)
2. [illegible] RGS
3. 3 #4, 1 #10 GND. IN 30mm (1¼") RGS
4. [illegible] RGS
5. [illegible] RGS
6. [illegible] RGS
7. [illegible] RGS
8. [illegible] RGS
9. 2-4/c #4, 1 #10 GND. IN 75mm (3") RGS
10. 2-3/c #8, 1 #10 GND. IN 75mm (3") RGS
11. 1-3/c #14 & 2 #18 TWISTED SHIELDED PAIR (TSP) IN 30mm (1¼")
12. 4 #4, 1 #10 GND. IN 30mm (1¼") RGS
13. 2-4/c #6, 1 #10 GND. IN 75mm (3") RGS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING CONTROL BUILDING DETAILS

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

E-22

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	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

Accurate GROUP, INC.

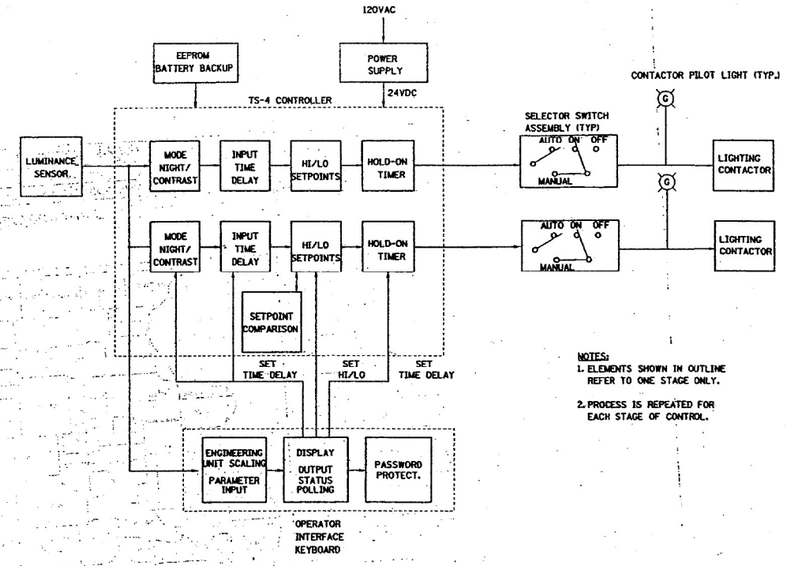
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 24 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	102
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	27
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		



NOTES:
1. ELEMENTS SHOWN IN OUTLINE REFER TO ONE STAGE ONLY.
2. PROCESS IS REPEATED FOR EACH STAGE OF CONTROL.

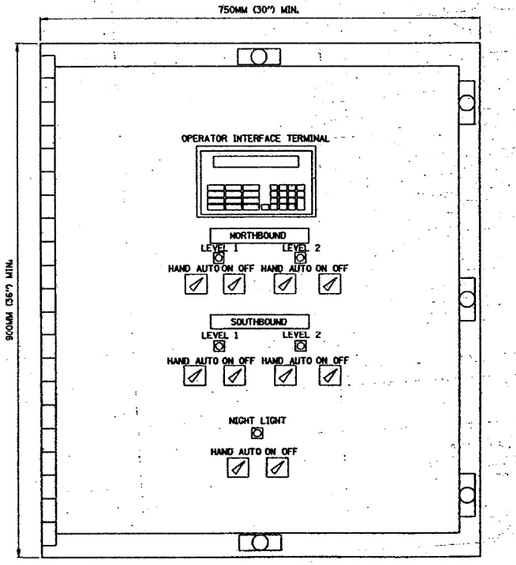
CONTROL SYSTEM BLOCK DIAGRAM

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

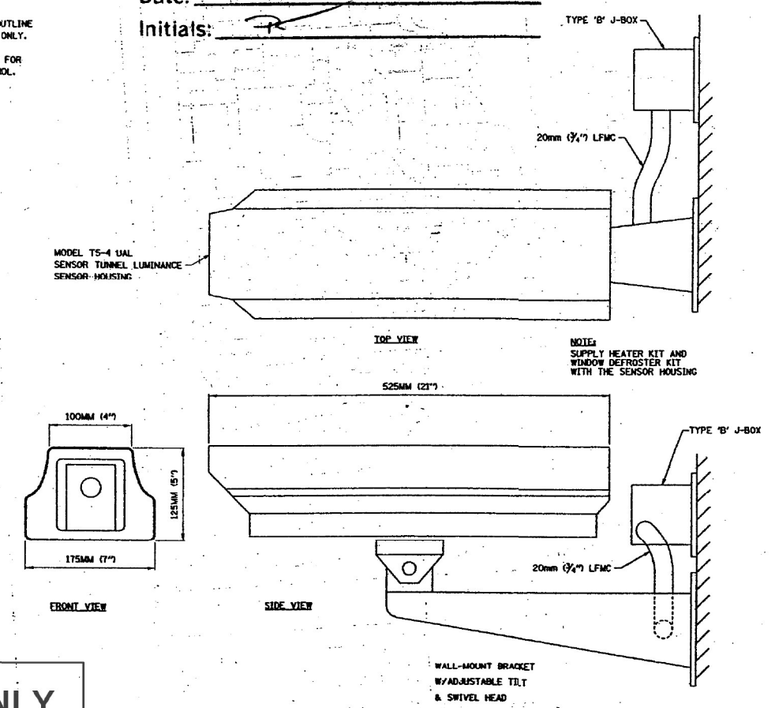
RECORD DRAWINGS

Date: 5-17-05

Initials: R



CONTROLLER CABINET ELEVATION



NOTE:
SUPPLY HEATER KIT AND WINDOW DEFROSTER KIT WITH THE SENSOR HOUSING

LUMINANCE SENSOR HOUSING DETAIL (QUANTITY 2)

WALL-MOUNTED SHOWN, POLE-MOUNTED SIMILAR

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

E-23

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
CONTROLLER BLOCK DIAGRAM
AND DETAILS

DATE 01-17-03 DRAWN BY SVJ CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 25 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	103
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

~~ALDRIDGE ELECTRIC, INC.~~
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

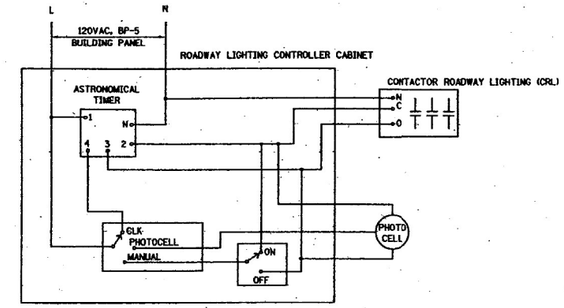
Date: 5-17-05

Initials:

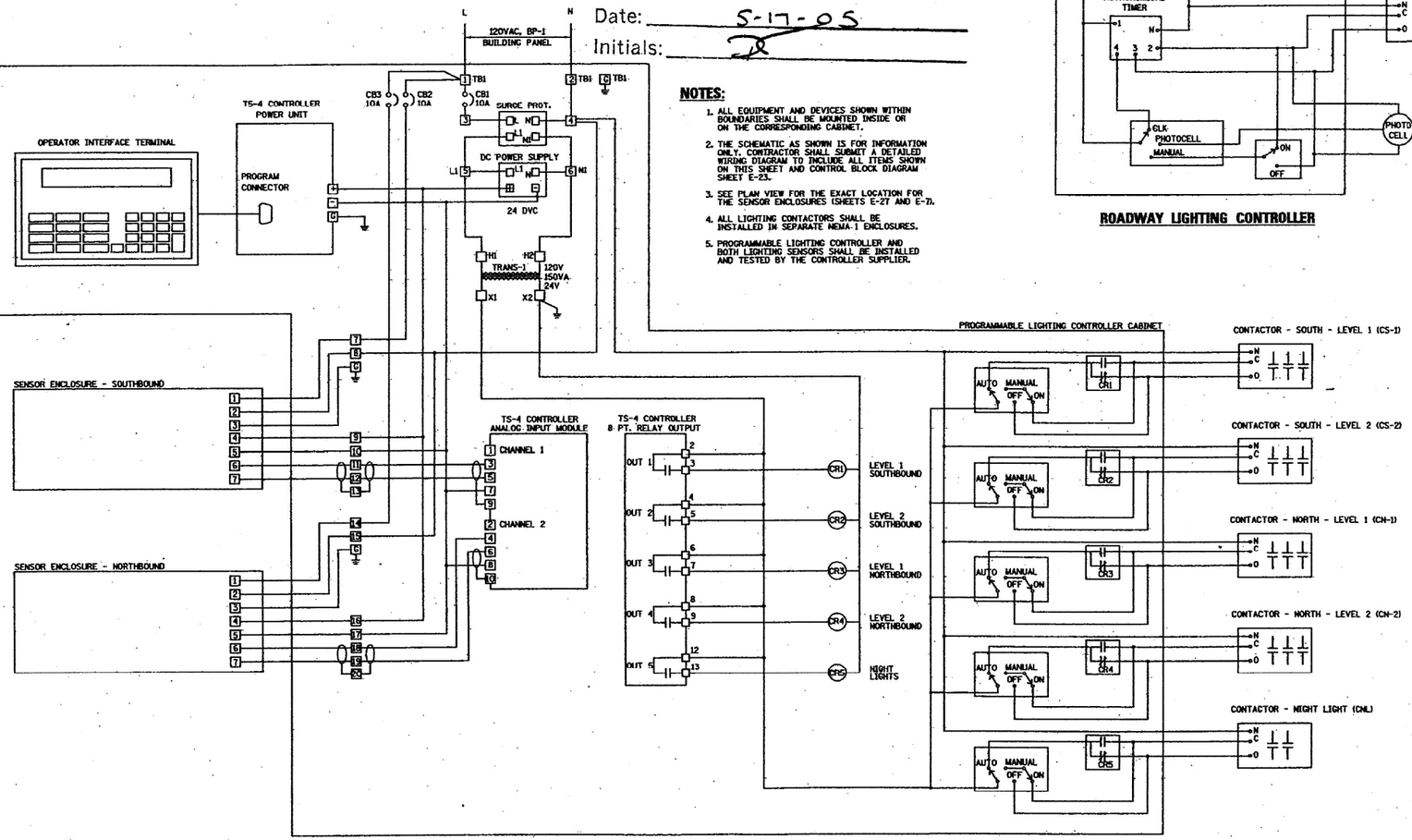
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	28
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	

NOTES:

1. ALL EQUIPMENT AND DEVICES SHOWN WITHIN BOUNDARIES SHALL BE MOUNTED INSIDE OR ON THE CORRESPONDING CABINET.
2. THE SCHEMATIC AS SHOWN IS FOR INFORMATION ONLY. CONTRACTOR SHALL SUBMIT A DETAILED WIRING DIAGRAM TO INCLUDE ALL ITEMS SHOWN ON THIS SHEET AND CONTROL BLOCK DIAGRAM SHEET E-23.
3. SEE PLAN VIEW FOR THE EXACT LOCATION FOR THE SENSOR ENCLOSURES (SHEETS E-27 AND E-7).
4. ALL LIGHTING CONTACTORS SHALL BE INSTALLED IN SEPARATE NEMA-1 ENCLOSURES.
5. PROGRAMMABLE LIGHTING CONTROLLER AND BOTH LIGHTING SENSORS SHALL BE INSTALLED AND TESTED BY THE CONTROLLER SUPPLIER.



ROADWAY LIGHTING CONTROLLER



PROGRAMMABLE LIGHTING CONTROLLER

FOR REFERENCE ONLY
ACTUAL CONDITIONS MAY VARY

E-24

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING CONTROL SCHEMATIC

DRAWN BY SVJ
CHECKED BY DEM
DATE 01-17-03

MODEL: Default
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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

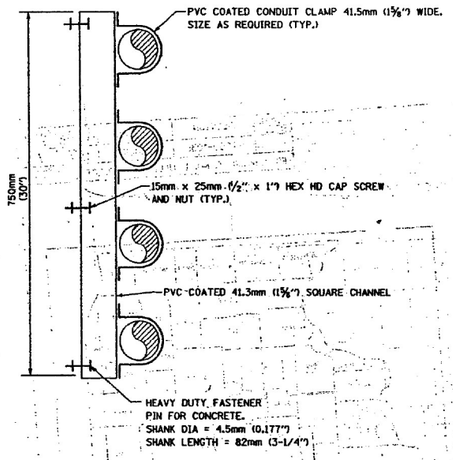
EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 26 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	104
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	29
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	0-91-317-02 C-91-317-02	

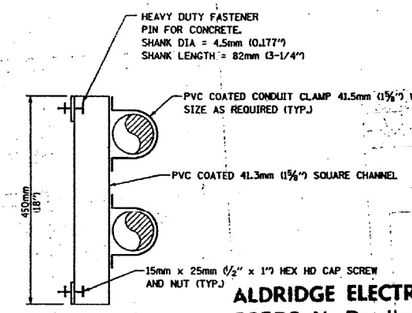


3-4 CONDUIT SUPPORT BRACKET DETAIL-WALL CONNECTION

(NO SCALE)

NOTES:

1. INSTALL BRACKETS 750mm (30") ON CENTER MAXIMUM.
2. THIS ITEM SHALL BE PAID FOR UNDER RESPECTIVE CONDUIT ITEM.

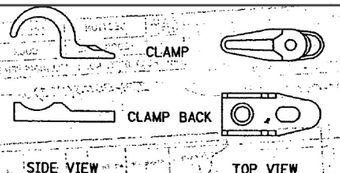


1-2 CONDUIT SUPPORT BRACKET DETAIL-WALL CONNECTION

(NO SCALE)

NOTES:

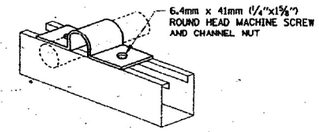
1. INSTALL BRACKETS 750mm (30") ON CENTER MAXIMUM.
2. THIS ITEM SHALL BE PAID FOR UNDER RESPECTIVE CONDUIT ITEM.



PVC COATED CONDUIT CLAMP DETAIL

(NO SCALE)

NOT TO BE USED FOR FASTENING CONDUIT TO STRUCTURAL CHANNEL.



CHANNEL CONDUIT CLAMP DETAIL

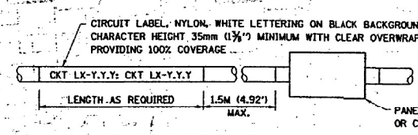
(NO SCALE)

ALDRIDGE ELECTRIC, INC.
28572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: JR

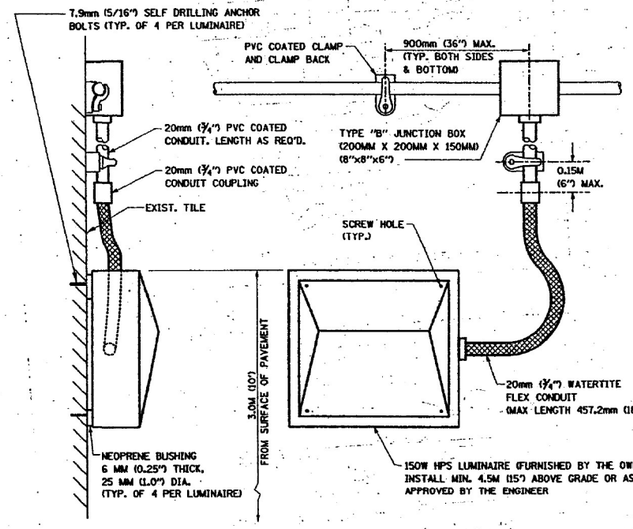


CIRCUIT IDENTIFICATION LABEL

(NO SCALE)

PROVIDE ON EACH CONDUIT WITHIN 1.5M (4.92') OF ALL PANELS, PULL OR JUNCTION BOXES AND CONDUIT BODIES

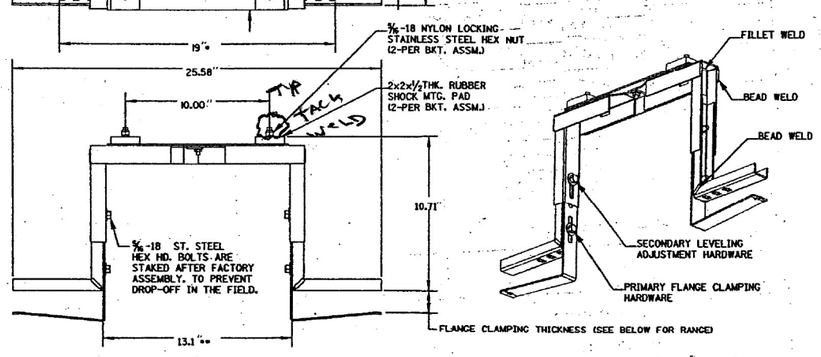
SAMPLE LABEL TEXT FOR LOCATION SHOWN ON SHEET E-33 : CKT L1-8,10,12; CKT L2-8, 10, 12



SIDE VIEW **ELEVATION**

NIGHT TIME LUMINAIRE INSTALLATION DETAIL

(NO SCALE)



NOTES:

1. MOUNTING SYSTEM CONSISTS OF TWO MTG. ASSEMBLIES AS SHOWN HERE FOR EACH LUMINAIRE.
2. THE MOUNTING BRACKETS ARE FURNISHED WITH THE FIXTURES. CONTRACTOR TO INSTALL.

BRACKET MATERIAL: #14 GA. STAINLESS STEEL, TYPE 304 #2B, NATURAL FINISH

ISOLATION: EACH BKT. ASSM. HAS TWO RUBBER ISOLATION PADS. ON WHICH THE LUMINAIRE MOUNTS.

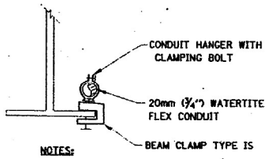
HARDWARE: STAINLESS STEEL

ADJUSTABILITY: FLANGE CLAMPING THICKNESS; 2.30" MAXIMUM - 0.68" MINIMUM

OPENING BETWEEN BEAM FLANGES: LEVELING; 1.25 (FRONT TO BACK AND LEFT TO RIGHT) **13.10" MINIMUM - 19.00" MAXIMUM**

FIXTURE MOUNTING BRACKET SYSTEM - INSTALL ONLY

NOTE 25 SHEET CE-1 APPLIES TO ALL EXTERIOR HARDWARE, FITTINGS AND FASTENERS



NOTES:

1. MOUNT THE CONDUIT HANGER ASSEMBLY EVERY 900mm (36") ON CENTER.
2. ALL HARDWARE SHALL BE PVC COATED.

CONDUIT HANGER ASSEMBLY - BEAM MOUNTED

(NO SCALE)

E-25

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
INSTALLATION DETAILS (SHEET 1)

DATE 02-14-03

DRAWN BY JRH
CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 27 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	105
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	30
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	

HANGER / SUPPORT TABLE

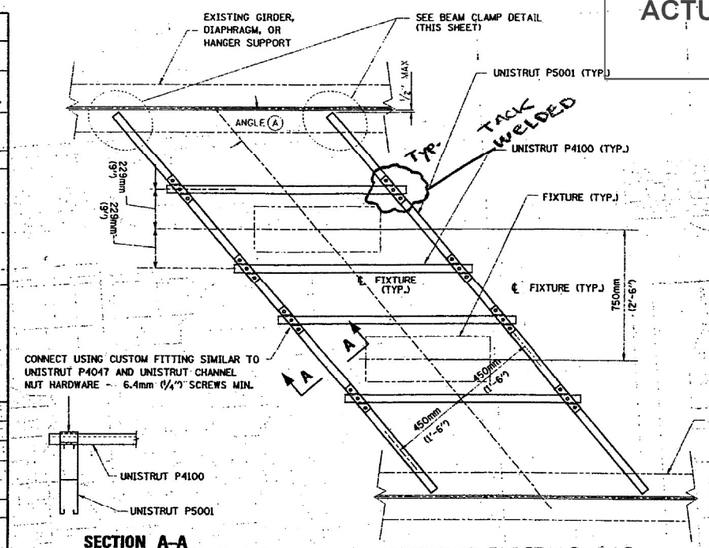
SUPPORTING MEMBER INFORMATION						ADJACENT MEMBER		HANGER INFORMATION				
HANGER SUPPORT	TAG	TYPE	BOTTOM of STEEL	FLANGE WIDTH (B)	FLANGE THICKNESS (T)	TAG	BOTTOM of STEEL	ANGLE (A)	CLAMP TYPE	ROD SIZE	NO. REQ'D.
1a	K1	Rolled	8.34'	12.12"	1.26"	N33W	0.34'	51.5	PLF 9075	3/4"	2
1b	K1	Rolled w/ Cover Pl	8.34'	12.12"	3.13"	N33W	1.34'	51.5	PLF 9075	3/4"	2
2	D4W	Built Up	2.64'	18.00"	1.75"	N9W	0.34'	53.8	PLF 3075	3/4"	4
3	30WF108	Rolled	6.09'	10.50"	0.76"	D4W	2.64'	53.8	P1651S	1/2"	4
	14WF30	Rolled	6.62'	6.73"	0.38"	D4W	2.64'	53.8	P1651S	1/2"	
	24WF76	Rolled	7.00'	9.00"	0.68"	D4W	2.64'	53.8	P1651S	1/2"	
	30WF108	Rolled	6.09'	10.50"	0.76"	D3W	2.86'	53.8	P1651S	1/2"	
	14WF30	Rolled	6.62'	6.73"	0.38"	D3W	2.86'	53.8	P1651S	1/2"	
	24WF76	Rolled	7.00'	9.00"	0.68"	D3W	2.86'	53.8	P1651S	1/2"	
4	30WF108	Rolled	6.09'	10.50"	0.76"	D2W	2.86'	54.7	P1651S	1/2"	4
	14WF30	Rolled	6.62'	6.73"	0.38"	D2W	2.86'	54.7	P1651S	1/2"	
	24WF76	Rolled	7.00'	9.00"	0.68"	D2W	2.86'	54.7	P1651S	1/2"	
	30WF108	Rolled	6.09'	10.50"	0.76"	D1W	2.91'	54.7	P1651S	1/2"	
	14WF30	Rolled	6.62'	6.73"	0.38"	D1W	2.91'	54.7	P1651S	1/2"	
	24WF76	Rolled	7.00'	9.00"	0.68"	D1W	2.91'	54.7	P1651S	1/2"	
5	D1W	Built Up	2.91'	18.00"	1.75"	P25W	0.59'	55.1	PLF 3075	3/4"	4
6	PF4W	Built Up	6.21'	18.00"	1.25"	P1W	0.59'	57.2	PLF 3075	3/4"	4
7	PF1W	Built Up	6.21'	18.00"	1.25"	C10W	2.80'	58.1	PLF 3075	3/4"	2
8	18WF70	Rolled	7.40'	8.75"	0.75"	C9W	2.80'	58.3	P1651S	1/2"	2
	18WF70	Rolled	7.40'	8.75"	0.75"	C8W	2.80'	58.3	P1651S	1/2"	
9	C7W	Built Up	3.80'	18.00"	1.63"	C8W	2.80'	58.9	PLF 3075	3/4"	2
10	C6W	Built Up	3.80'	18.00"	1.63"	C4W	0.91'	59.2	PLF 3075	3/4"	2
	C1W	Built Up	3.80'	18.00"	1.63"	C3W	0.91'	59.6	PLF 3075	3/4"	2
11	24WF76	Rolled	7.20'	9.00"	0.68"	W4W	4.07'	63.55	P1651S	1/2"	2
	24WF76	Rolled	7.20'	9.00"	0.68"	W3W	4.48'	63.55	P1651S	1/2"	
12	24WF76	Rolled	7.66'	9.00"	0.68"	W2W	4.51'	64.55	P1651S	1/2"	2
	24WF76	Rolled	7.66'	9.00"	0.68"	W1W	5.33'	64.55	P1651S	1/2"	
13a	K1	Rolled	7.60'	12.12"	1.26"	N33E	1.54'	53.31	P1651S	1/2"	1
13b		Rolled w/ Cover Pl	7.60'	12.12"	3.13"	N33E	1.54'	53.31	P1651S	1/2"	1
14	D3E	Built Up	2.92'	18.00"	1.63"	D2E	0.42'	56.58	PLF 3075	3/4"	2
15	PF4E	Built Up	5.28'	18.00"	1.38"	P1E	0.59'	57.96	PLF 3075	3/4"	2
16	PF1E	Built Up	5.28'	18.00"	1.38"	C4E	2.47'	59.1	PLF 3075	3/4"	2
17	24WF76	Rolled	6.36'	9.00"	0.68"	C4E	2.47'	60.15	P1651S	1/2"	2
	24WF76	Rolled	6.36'	9.00"	0.68"	C3E	2.47'	60.15	P1651S	1/2"	
18	24WF76	Rolled	6.36'	9.00"	0.68"	C2E	2.47'	60.99	P1651S	1/2"	4
	14WF30	Rolled	6.77'	6.73"	0.38"	C2E	2.47'	60.99	P1651S	1/2"	
	24WF76	Rolled	6.36'	9.00"	0.68"	C1E	2.47'	60.99	P1651S	1/2"	
	14WF30	Rolled	6.77'	6.73"	0.38"	C1E	2.47'	60.99	P1651S	1/2"	
19 SEE NOTE	MF5E	Built Up	6.17'	18.00"	1.38"	M1E	1.68'	61.95	PLF 3075	3/4"	4
20 SEE NOTE	MF4E	Built Up	6.17'	18.00"	1.25"	W4E or MF4E	4.08' 6.17'	64.4	PLF 3075 PLF 3075	3/4" 3/4"	4 12
21	24WF76	Rolled	7.25'	9.00"	0.68"	W4E	4.08'	65.3	P1651S	1/2"	4
	24WF76	Rolled	7.25'	9.00"	0.68"	W3E	4.48'	65.3	P1651S	1/2"	
22	24WF76	Rolled	7.62'	9.00"	0.68"	W2E	4.51'	65.3	P1651S	1/2"	4
	24WF76	Rolled	7.62'	9.00"	0.68"	W1E	5.33'	65.3	P1651S	1/2"	
23	24WF76	Rolled	6.71'	9.00"	0.68"	D5E	2.866	90	P1651S	1/2"	1
SEE NOTE	30WF108	Rolled	6.22'	10.50"	0.76"	D6E	2.646	90	P1651S	1/2"	
24	24WF76	Rolled	6.71'	9.00"	0.68"	D3E	2.916	90	P1651S	1/2"	1
SEE NOTE	30WF108	Rolled	6.22'	10.50"	0.76"				P1651S	1/2"	
25	24WF94	Rolled	6.98'	9.00"	0.87"	D5E	2.866	90	P1651S	1/2"	1
SEE NOTE	30WF108	Rolled	6.52'	10.50"	0.76"	D6E	2.646	90	P1651S	1/2"	
26	24WF76	Rolled	7.01'	9.00"	0.68"	D4E	2.866	90	P1651S	1/2"	1
SEE NOTE	30WF108	Rolled	6.52'	10.50"	0.76"				P1651S	1/2"	

HANGER SUPPORT NOTES:
HANGER SUPPORT 19 - PROVIDE SUPPORT PLATES AT 2 ELEVATIONS TO ACCOMMODATE UNISTRUTS FROM EACH SIDE.

HANGER SUPPORT 20 - PLACE ALL SUPPORTS HUNG FROM MF1E - MF4E AT SIMILAR ELEVATION TO BOTTOM OF GIRDER W4E.

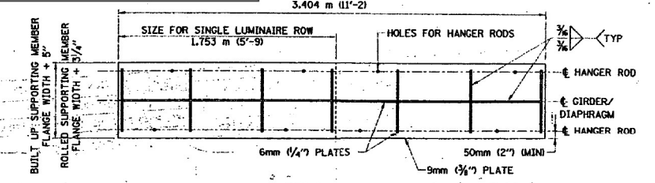
HANGER SUPPORTS 23 AND 25 - PROVIDE A BREAK IN THE SPAN WHICH IS OTHERWISE GREATER THAN 6.1M (20') UNISTRUT LENGTH.

HANGER SUPPORTS 24 AND 26 - THESE SERVE AS END SUPPORT IN LIEU OF CLAMPING TO GIRDER AS SPAN WOULD OTHERWISE BE TOO LONG FOR UNISTRUT. THESE 4 SUPPORTS ARE HUNG FROM 2 DIAPHRAGMS OF DIFFERENT SIZES AS NOTED IN THE TABLE ON THIS SHEET.



SECTION A-A

NOTES:
1. NUMBER OF FIXTURES BETWEEN TWO EXISTING BEAMS VARIES. SEE PLAN SHEETS FOR EXACT NUMBERS AND DISTANCE BETWEEN FIXTURES. TWO FIXTURES SHOWN FOR CLARITY.
2. ALL HARDWARE SHALL BE PVC COATED OR STAINLESS STEEL.

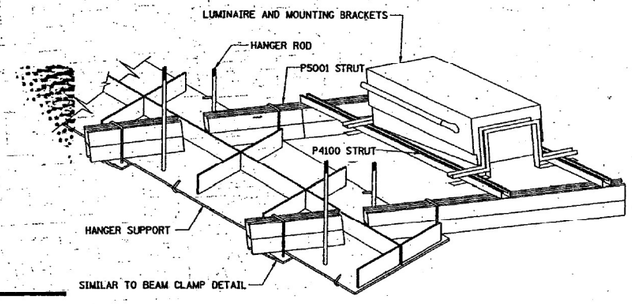


PLAN - HANGER SUPPORT (DOUBLE LUMINAIRE ROW)
(NO SCALE)

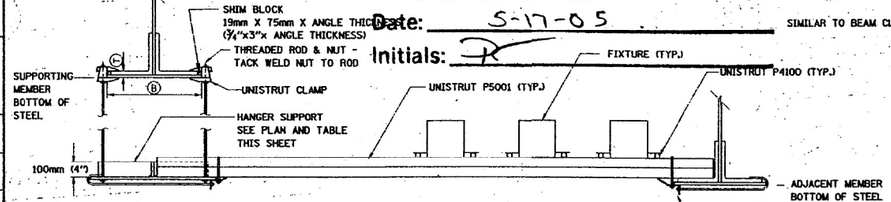
NOTES:
1. HANGER SHOWN FOR 2 ROWS OF FIXTURES. REDUCE SIZE FOR LOCATIONS WITH 1 ROW OF FIXTURES
2. USE HANGER RODS ON BOTH SIDES OF GIRDER FLANGES ABOVE SUPPORT AT ALL LOCATIONS (4 RODS PER ROW OF FIXTURES).
3. ATTACH UNISTRUT TO HANGER SUPPORT USING BEAM CLAMP DETAIL SHOWN ON THIS SHEET.
4. NUMBER REQUIRED SHOWN IN THE TABLE IS BASED ON NUMBER OF ROWS OF FIXTURES AND DOES NOT EQUAL NUMBER OF SUPPORT ASSEMBLIES REQUIRED. (SUPPORT AS SHOWN ABOVE IS CONSIDERED 2 HANGERS IN TABLE).
5. HANGER SUPPORT SHALL BE GALVANIZED AFTER FABRICATION.

ALDRIDGE ELECTRIC, INC.
285 Commerce Drive
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS
Date: 5-17-05
Initials:

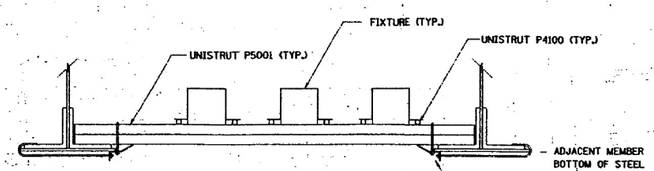


PARTIAL BOTTOM CHORD PLAN - PLAN



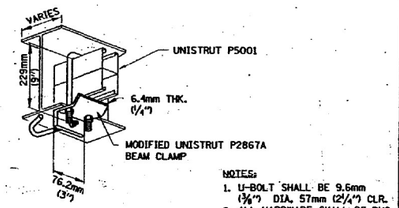
NOTES:
1. SEE TABLE FOR CLAMP TYPE, ROD SIZE, AND STRUCTURE DIMENSIONS AND ELEVATIONS
2. SEE LIGHTING PLANS E-2 TO E-13 FOR LOCATIONS OF HANGER SUPPORTS

TYPICAL FIXTURE SUPPORT ELEVATION AT HANGER SUPPORT LOCATIONS



TYPICAL FIXTURE SUPPORT ELEVATION

HANGER ASSEMBLY DETAIL
(NO SCALE)



NOTES:
1. U-BOLT SHALL BE 9.6mm (3/8") DIA. 57mm (2 1/4") CLR.
2. ALL HARDWARE SHALL BE PVC COATED OR STAINLESS STEEL.

BEAM CLAMP DETAIL
(NO SCALE)

E-26

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING INSTALLATION DETAILS (SHEET 2)

DATE 02-14-03
DRAWN BY JRH
CHECKED BY DEM

MODEL: Default
FILE NAME: C:\Engineering\Active Projects\2005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-Exis. Light 28.dgn
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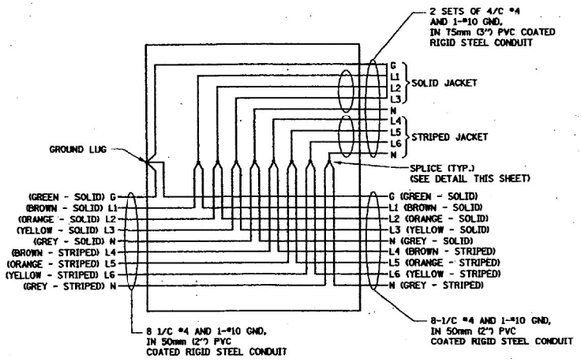
Accurate GROUP, INC.					
USER NAME = jdavis	DESIGNED - JMT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING LIGHTING PLANS WB I-94 BRIDGE PAINTING & LIGHTING	
	DRAWN - JMT	REVISED -			
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -			
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -		SCALE: NONE	SHEET 28 OF 36 SHEETS STA. TO STA.

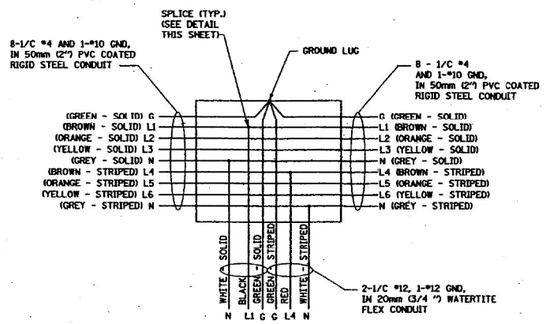
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	106
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	2002-106L	COOK	47	31
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-91-317-02	



WIRING DIAGRAM FOR TYPE "A" JUNCTION BOX

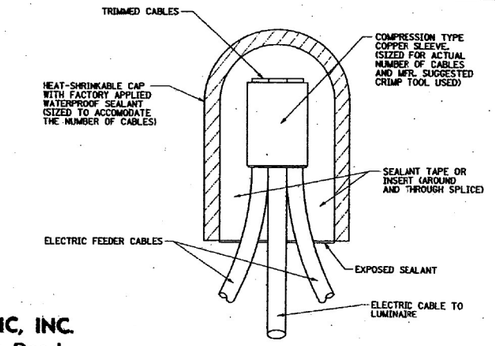
(762mm H x 762mm W x 203mm D)
(30"H x 30"W x 8"D)



WIRING DIAGRAM FOR TYPE "B" JUNCTION BOX

(254mm H x 254mm W x 152mm D)
(10"H x 10"W x 6"D)

JUNCTION BOX SCHEDULE				
TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	



SPLICING ELECTRIC CABLES
BASIC MATERIALS AND METHODS
(THE NUMBER OF CABLES IN SPLICE MAY VARY)

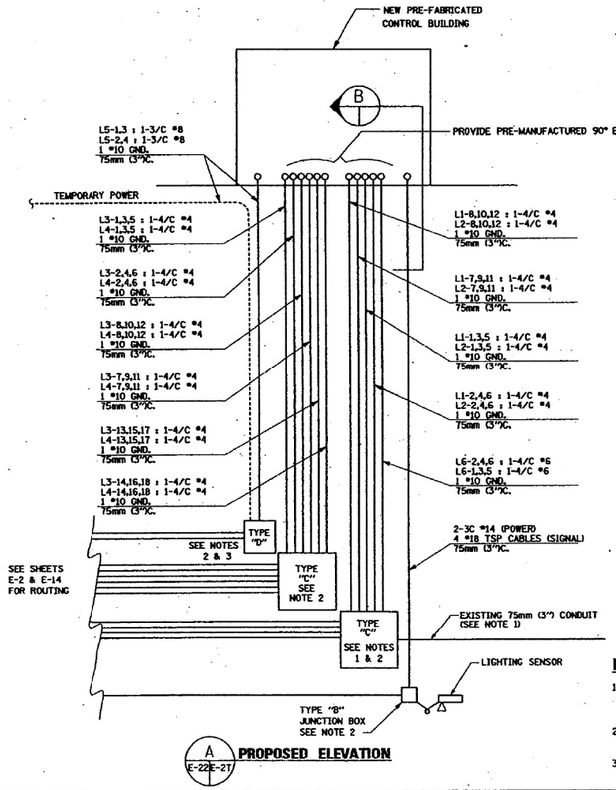
ALDRIDGE ELECTRIC, INC.
2672 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

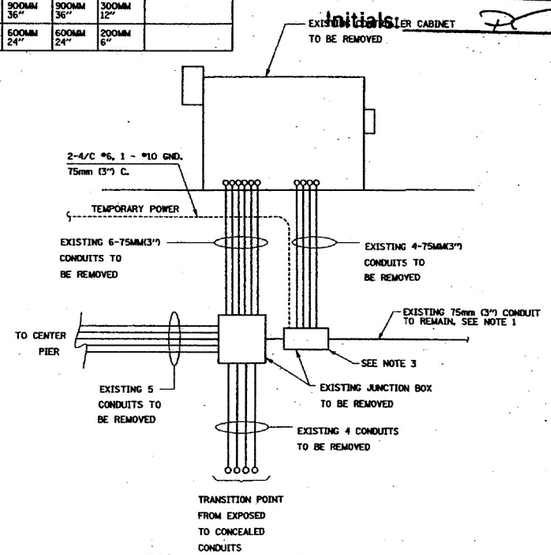
Date: 5-17-05

Initials: JT

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY



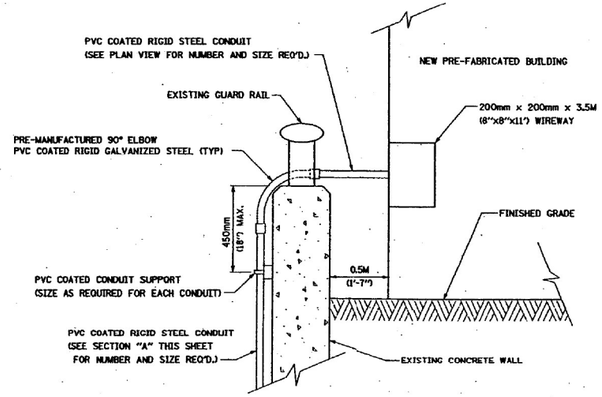
A E-22E-27 **PROPOSED ELEVATION**



A E-22E-27 **EXISTING ELEVATION**

NOTES:

1. RECONNECT THE EXISTING CONDUIT TO THE NEW JUNCTION BOX. SPLICE THE EXISTING 8-1/C #6 TO NEW 2-4/C #6 INSIDE THE JUNCTION BOX. RECONNECT THE GROUND WIRE TO THE NEW GROUND LUG.
2. INSTALL JUNCTION BOXES 6M (20') ABOVE GRADE, MINIMUM. EXACT LOCATION TO BE FIELD ADJUSTED.
3. CONNECT CONDUIT FROM TEMPORARY LIGHTING PANELBOARD TO NEW NIGHT LIGHTING AND INDICATED EXISTING JUNCTION BOX. SEAL ALL UNUSED OPENINGS IN THE JUNCTION BOXES.



B E-22E-27 **CONDUIT ENTRANCE DETAIL**

E-27

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
MISCELLANEOUS DETAILS

DATE 01-17-03

DRAWN BY SVJ
CHECKED BY DEM

MODEL: Default
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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

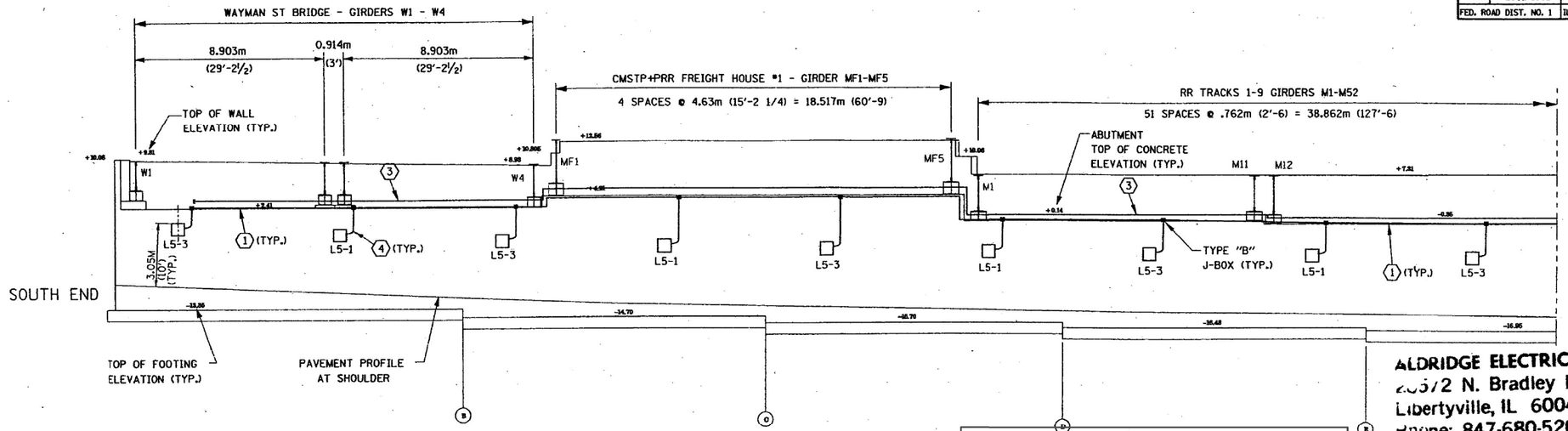
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 29 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	107
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-1061	COOK	47	37
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT		C-91-317-02



WEST ABUTMENT ELEVATION-LOOKING WEST

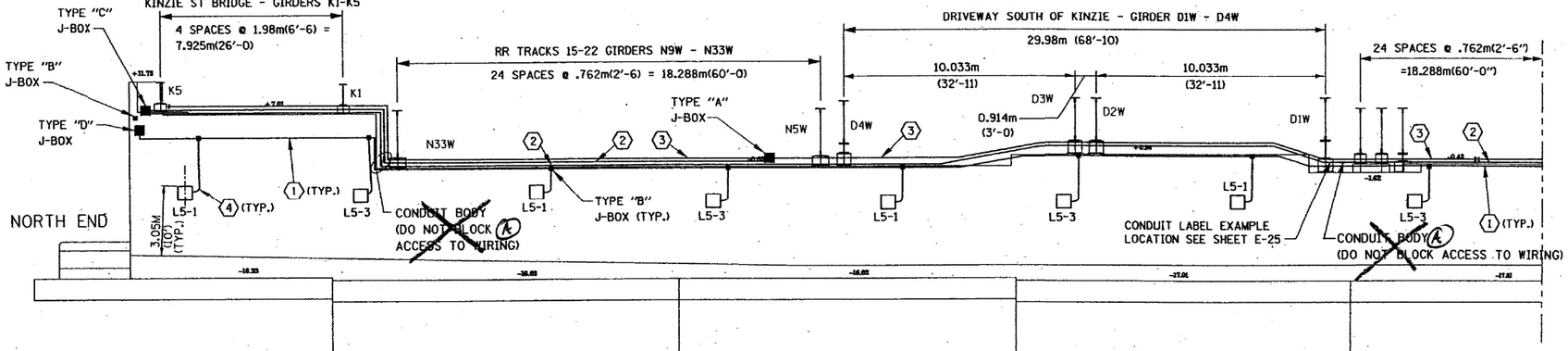
FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

ALDRIDGE ELECTRIC, INC.
2572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:



CENTER PIER ELEVATION-LOOKING EAST

JUNCTION BOX SCHEDULE				
TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

LEGEND

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (3/4") FLEX. C

☐ NIGHT LIGHT LUMINARE (150W)

GENERAL NOTES

1. THE NUMBER AND LOCATION OF CONDUIT BODIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL CONDUIT BODIES AS DETERMINED IN THE FIELD TO MEET N.E.C. REQUIREMENTS, INCLUDING ACCESSIBILITY AS REQUIRED IN SECTION 300.23.
2. THE FINAL CONNECTION TO DAY LIGHT FIXTURES ARE NOT SHOWN FOR SAKE OF CLARITY.

(A) Conduit body replaced with sweeping 90° elbow

NOTE: TUNNEL STRUCTURE ELEVATIONS SHOWN IN FT.

E-33

Burns & McDonnell

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
ABUTMENT ELEVATIONS SOUTHBOUND LANES
(SHEET 1)

DATE 02-14-03 DRAWN BY JRH CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

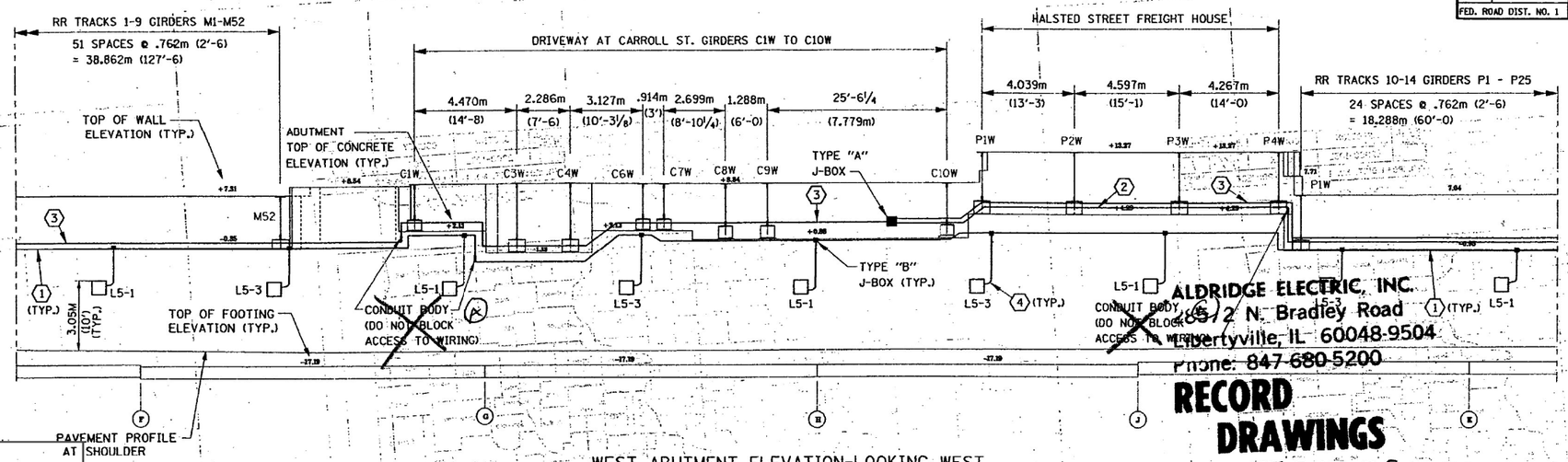
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 30 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	108
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	38
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



WEST ABUTMENT ELEVATION-LOOKING WEST

ALDRIDGE ELECTRIC, INC.
8612 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

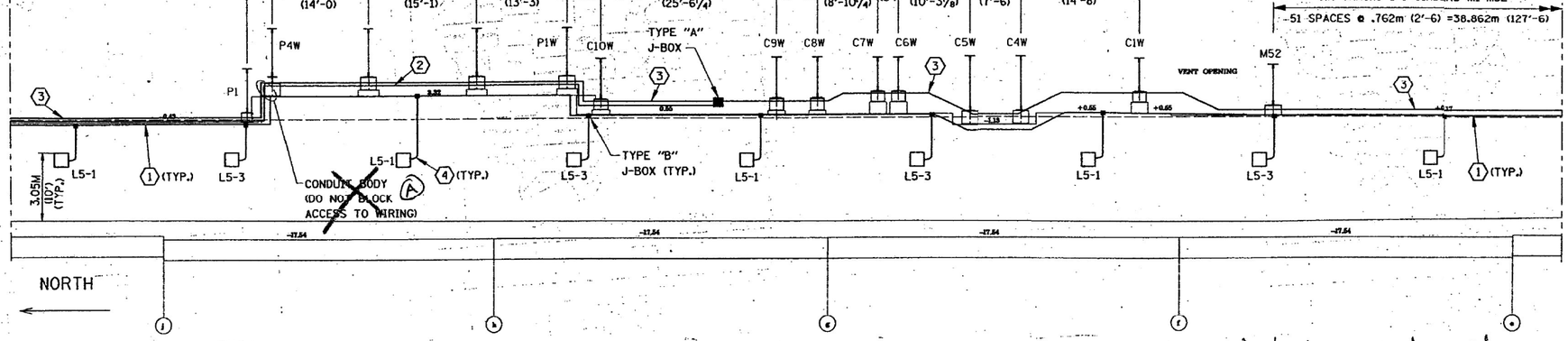
RECORD DRAWINGS

Date: 5-17-05

Initials:

NORTH

FOR REFERENCE ONLY ACTUAL CONDITIONS MAY VARY



CENTER PIER ELEVATION-LOOKING EAST

(A) Conduit body replaced with sweeping 90° elbow

NOTE: TUNNEL STRUCTURE ELEVATIONS SHOWN IN FT.

JUNCTION BOX SCHEDULE				
TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

LEGEND

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (3/4") FLEX. C
- NIGHT LIGHT LUMINARE (150W)

GENERAL NOTES

1. THE NUMBER AND LOCATION OF CONDUIT BODIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL CONDUIT BODIES AS DETERMINED IN THE FIELD TO MEET N.E.C. REQUIREMENTS, INCLUDING ACCESSIBILITY AS REQUIRED IN SECTION 300.23.
2. THE FINAL CONNECTION TO DAY LIGHT FIXTURES ARE NOT SHOWN FOR SAKE OF CLARITY.

E-34

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE
ABUTMENT ELEVATIONS SOUTHBOUND LANES
(SHEET 2)

DATE 02-14-03 DRAWN BY JRH CHECKED BY DEM

Burns & McDonnell

\\CAD\BRIDGE\Maf.dgn 30/10/2003 08:54:52 AM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

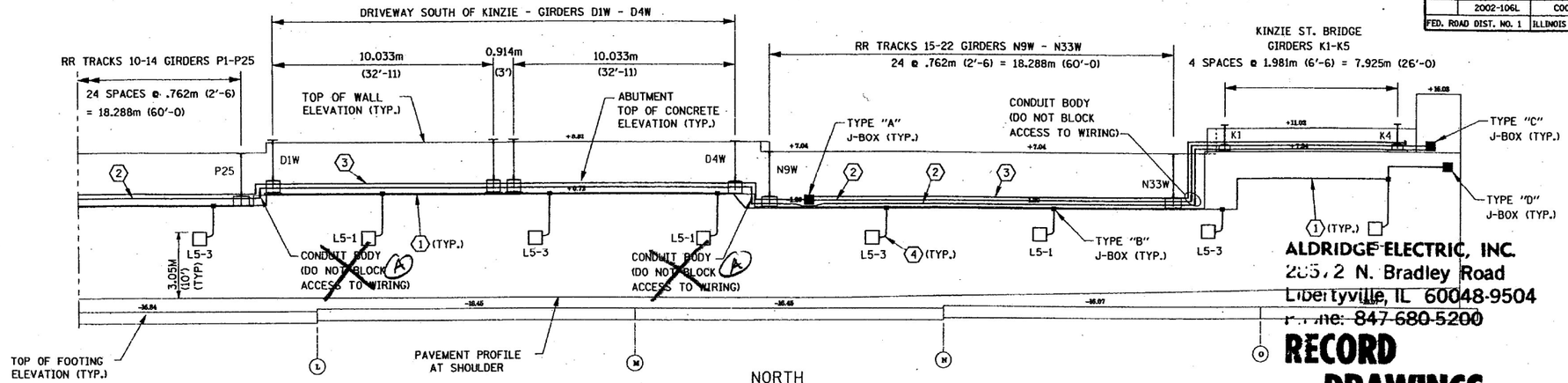
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 31 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	109
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	39
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02	



WEST ABUTMENT ELEVATION-LOOKING WEST

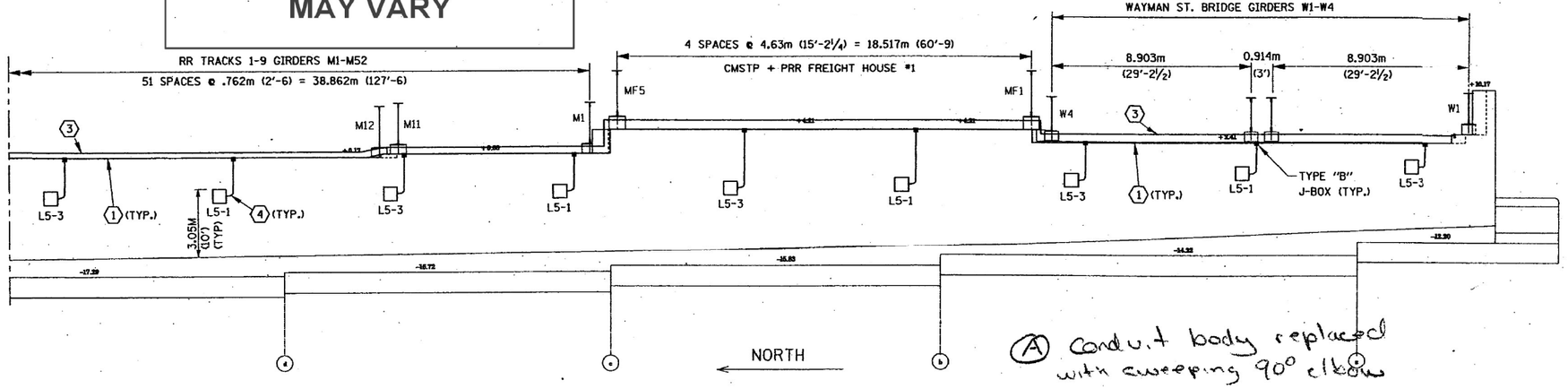
ALDRIDGE ELECTRIC, INC.
2052 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: JR

FOR REFERENCE ONLY
ACTUAL CONDITIONS MAY VARY



CENTER PIER ELEVATION-LOOKING EAST

(A) Conduit body replaced with sweeping 90° elbow

JUNCTION BOX SCHEDULE

TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

LEGEND

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (¾") FLEX. C

☐ NIGHT LIGHT LUMINARE (150W)

GENERAL NOTES

1. THE NUMBER AND LOCATION OF CONDUIT BODIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL CONDUIT BODIES AS DETERMINED IN THE FIELD TO MEET N.E.C. REQUIREMENTS, INCLUDING ACCESSIBILITY AS REQUIRED IN SECTION 300.23.
2. THE FINAL CONNECTION TO DAY LIGHT FIXTURES ARE NOT SHOWN FOR SAKE OF CLARITY.

NOTE: TUNNEL STRUCTURE ELEVATIONS SHOWN IN FT.

E-35

Burns & McDonnell

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE
ABUTMENT ELEVATIONS SOUTHBOUND LANES (SHEET3)

DATE 02-14-03 DRAWN BY JRH CHECKED BY DEM

LAYOUT(ELEV3).dgn 03/15/2005 08:55:11 AM

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Accurate GROUP, INC.

USER NAME = Jdavis	DESIGNED - JMT	REVISED -	
	DRAWN - JMT	REVISED -	
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -	
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -	

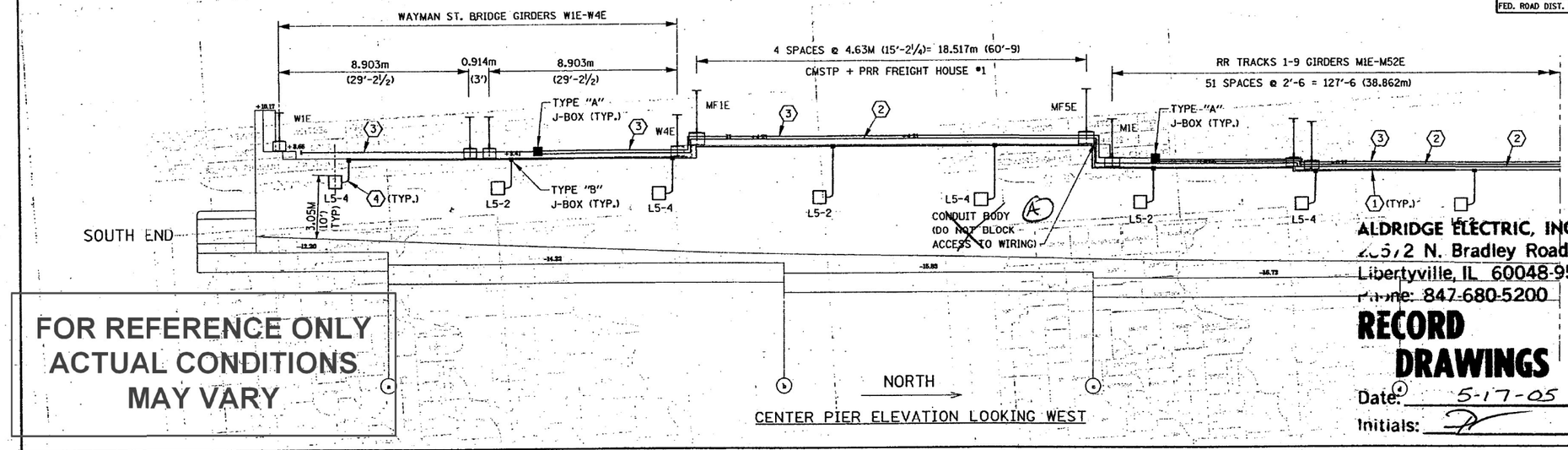
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 32 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	110
		CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	40
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



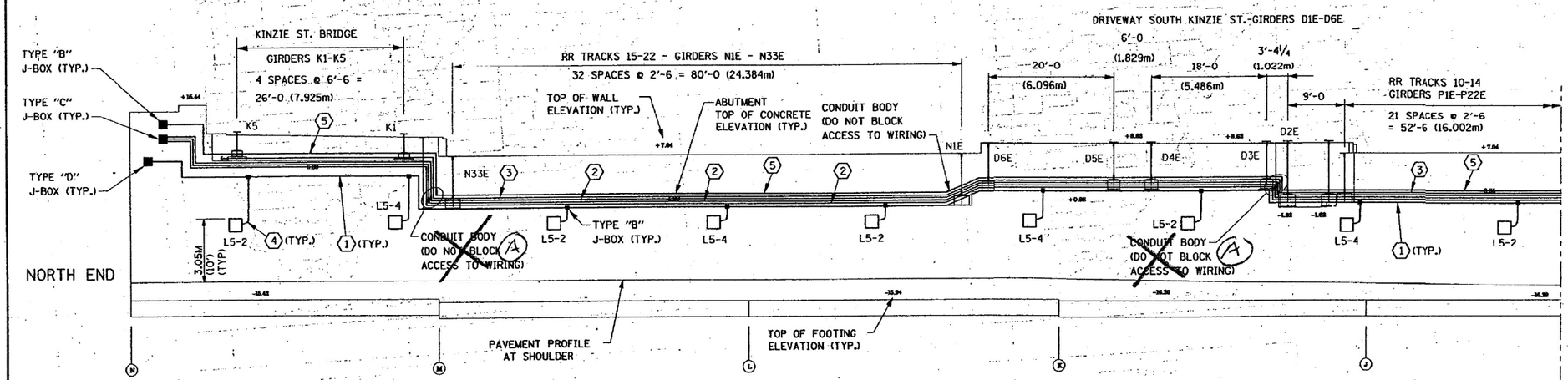
FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

ALDRIDGE ELECTRIC, INC.
2572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials:



EAST ABUTMENT ELEVATION LOOKING EAST

JUNCTION BOX SCHEDULE				
TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

LEGEND

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (¾") FLEX. C
5. 1 - 3/C #14, 2 #18 TSP IN 30mm (1¼") C
- NIGHT LIGHT LUMINARE (150W)

GENERAL NOTES

1. THE NUMBER AND LOCATION OF CONDUIT BODIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL CONDUIT BODIES AS DETERMINED IN THE FIELD TO MEET N.E.C. REQUIREMENTS, INCLUDING ACCESSIBILITY AS REQUIRED IN SECTION 300.23.
2. THE FINAL CONNECTION TO DAY LIGHT FIXTURES ARE NOT SHOWN FOR SAKE OF CLARITY.

Burns & McDonnell

(A) Conduit body replaced by sweeping 90° elbow

NOTE: TUNNEL STRUCTURE ELEVATIONS SHOWN IN FT.

E-36

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE
ABUTMENT ELEVATIONS NORTHBOUND LANES
(SHEET 1)

DRAWN BY JRH
CHECKED BY DEM
DATE 02-14-03

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\dcWB2U36D1E2U36=N-Exis. Light_33.dgn

Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

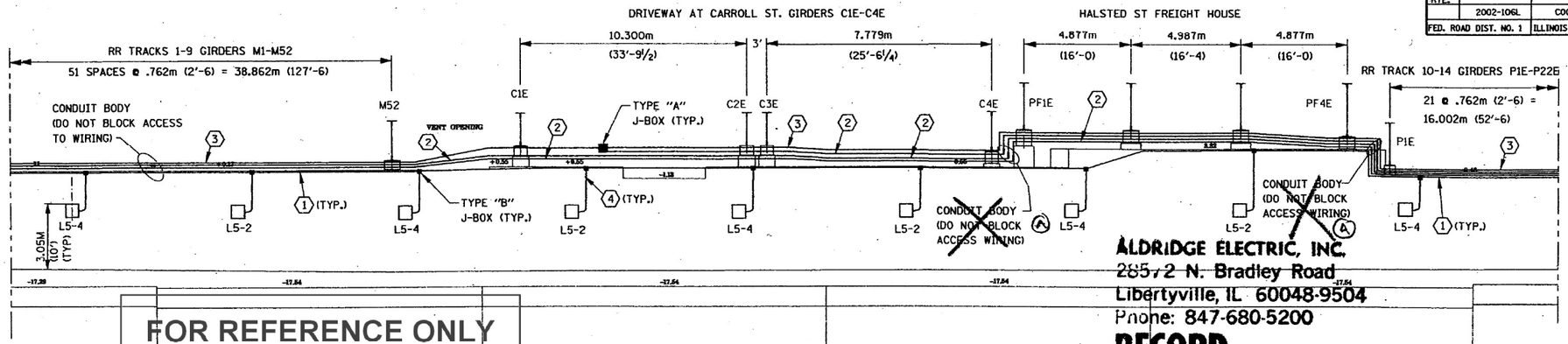
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 33 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	111
		CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	41
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-91-317-02	



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

NORTH

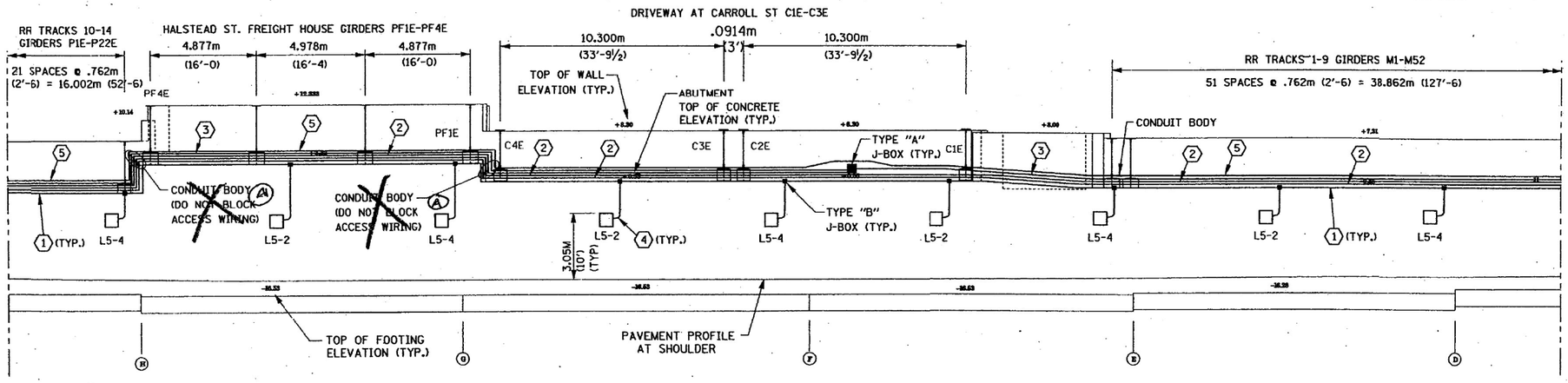
CENTER PIER ELEVATION LOOKING WEST

ALDRIDGE ELECTRIC, INC.
2852 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: JP



NORTH

EAST ABUTMENT ELEVATION LOOKING EAST

(A) conduit body replaced with sweering 90° elbow

JUNCTION BOX SCHEDULE				
TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

LEGEND

(1) 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C

(2) 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C

(3) 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C

(4) 2 - 1/C #12, 1 #12 GND. IN 20mm (¾") FLEX. C

(5) 2 - 3/C #14, 1 #18 TSP IN 30mm (1¼") C

☐ NIGHT LIGHT LUMINARE (150W)

GENERAL NOTES

1. THE NUMBER AND LOCATION OF CONDUIT BODIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL CONDUIT BODIES AS DETERMINED IN THE FIELD TO MEET N.E.C. REQUIREMENTS, INCLUDING ACCESSIBILITY AS REQUIRED IN SECTION 300.23.

2. THE FINAL CONNECTION TO DAY LIGHT FIXTURES ARE NOT SHOWN FOR SAKE OF CLARITY.

NOTE: TUNNEL STRUCTURE ELEVATIONS SHOWN IN FT.

E-37

Burns & McDonnell

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE
ABUTMENT ELEVATION NORTHBOUND LANES
(SHEET 2)

DATE 02-14-03

DRAWN BY JRH
CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

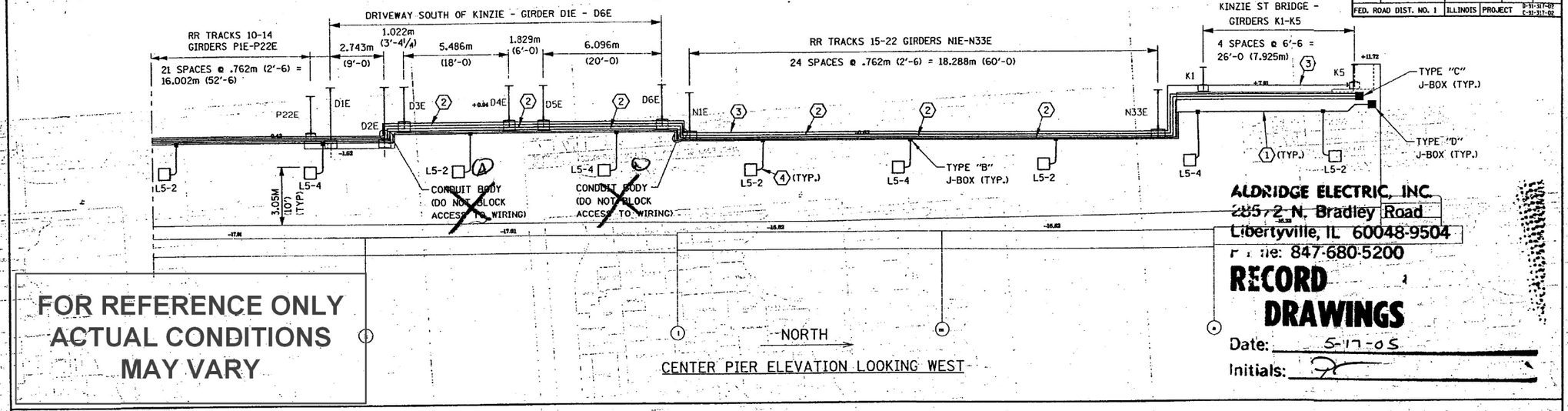
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 34 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	112
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

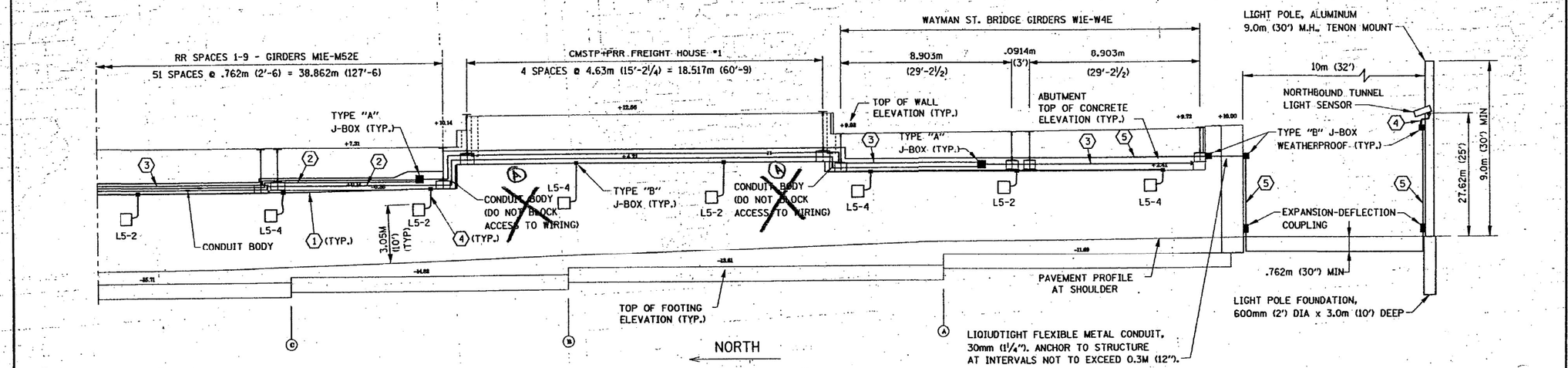
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	42
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	D-91-317-02 C-91-317-02	



FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

ALDRIDGE ELECTRIC, INC.
2852 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS
Date: 5-17-05
Initials:



JUNCTION BOX SCHEDULE				
TYPE	H	W	D	COMMENTS
A	750MM 30"	750MM 30"	200MM 8"	
B	250MM 10"	250MM 10"	150MM 6"	
C	900MM 36"	900MM 36"	300MM 12"	
D	600MM 24"	600MM 24"	200MM 6"	

LEGEND

1. 1 - 3/C #8, 1 #10 GND. IN 50mm (2") C
2. 2 - 4/C #4, 1 #10 GND. IN 75mm (3") C
3. 8 - 1/C #4, 1 #10 GND. IN 50mm (2") C
4. 2 - 1/C #12, 1 #12 GND. IN 20mm (3/4") FLEX. C
5. 1 - 3/C #14, 2 #18 TSP. IN 30mm (1 1/4") C

NIGHT LIGHT LUMINARE (150W)

GENERAL NOTES

1. THE NUMBER AND LOCATION OF CONDUIT BODIES ARE FOR INFORMATION ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ADDITIONAL CONDUIT BODIES AS DETERMINED IN THE FIELD TO MEET N.E.C. REQUIREMENTS, INCLUDING ACCESSIBILITY AS REQUIRED IN SECTION 300.23.
2. THE FINAL CONNECTION TO DAY LIGHT FIXTURES ARE NOT SHOWN FOR SAKE OF CLARITY.

Burns & McDonnell

(A) conduit body replaced with sweeping 90° elbow

NOTE: TUNNEL STRUCTURE ELEVATIONS SHOWN IN FT.

E-38

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY
HUBBARD'S CAVE
ABUTMENT ELEVATION NORTHBOUND LANES (SHEET 3)

DATE 02-14-03 DRAWN BY JRH CHECKED BY DEM

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Accurate GROUP, INC.

USER NAME = jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

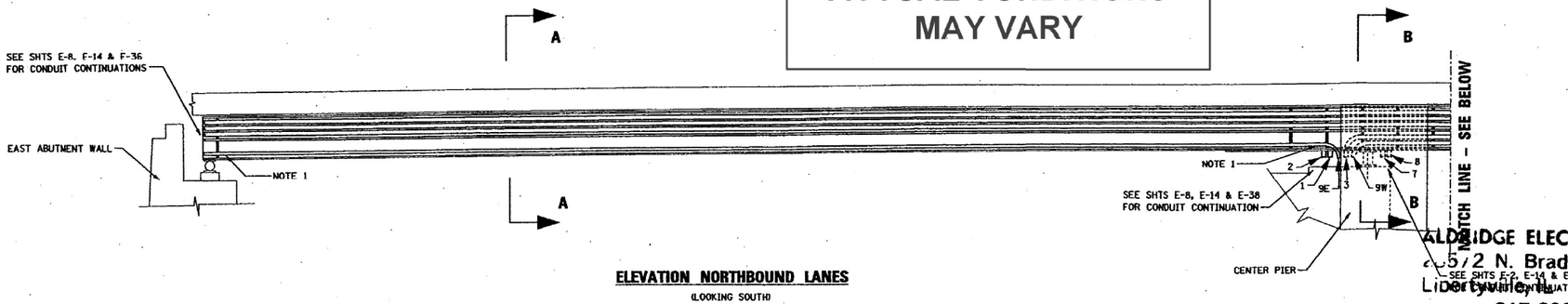
EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 35 OF 36 SHEETS | STA. | TO STA.

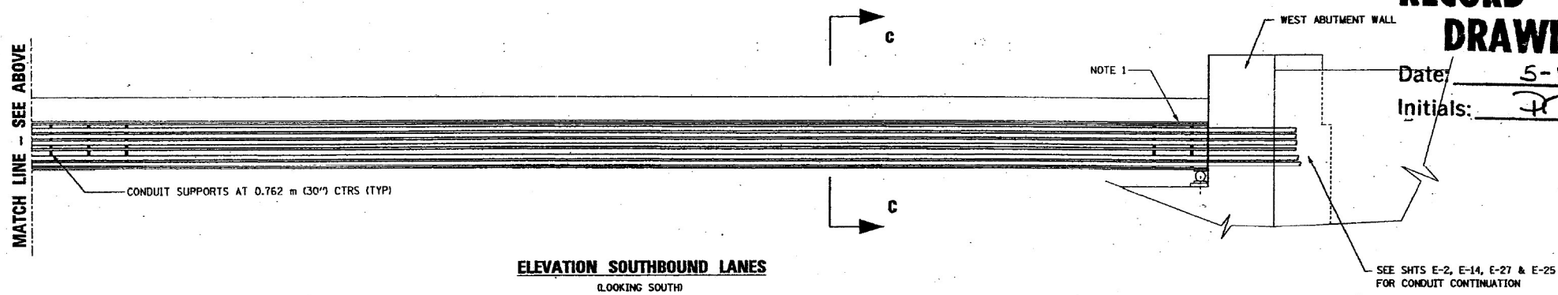
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	113
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2002-106L	COOK	47	43
FED. ROAD DIST. NO. 1	ILLINOIS	PROJECT	C-91-317-02 C-91-317-02	

FOR REFERENCE ONLY
ACTUAL CONDITIONS
MAY VARY

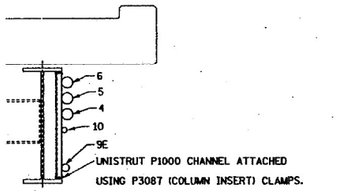


ELEVATION NORTHBOUND LANES
(LOOKING SOUTH)



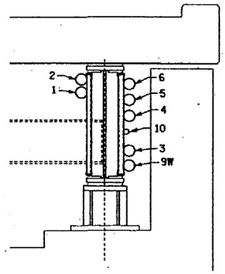
ELEVATION SOUTHBOUND LANES
(LOOKING SOUTH)

SYMBOL	CIRCUIT(S) AND CONDUIT
1	L3-14, 16, 18: 1-4/C #4; L4-14, 16, 18: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
2	L3-2, 4, 6: 1-4/C #4; L4-2, 4, 6: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
3	L3-1, 3, 5: 1-4/C #4; L4-1, 3, 5: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
4	L3-13, 15, 17: 1-4/C #4; L4-13, 15, 17: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
5	L3-8, 10, 12: 1-4/C #4; L4-8, 10, 12: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
6	L3-7, 9, 11: 1-4/C #4; L4-7, 9, 11: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
7	L1-7, 9, 11: 1-4/C #4; L2-7, 9, 11: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
8	L1-8, 10, 12: 1-4/C #4; L2-8, 10, 12: 1-4/C #4; 1 #10 GROUND; 75 MM (3") CONDUIT
9E	L5-2, 4: 1-3/C #8; 1 #10 GROUND; 50 MM (2") CONDUIT
9W	L5-1, 3: 1-3/C #8; L5-2, 4: 1-3/C #8; 1 #10 GROUND; 75 MM (3") CONDUIT
10	1-3/C #14 (POWER); 2- #18 TSP CABLES (SIGNAL); 30 MM (1 1/4") CONDUIT

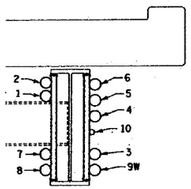


UNISTRUT P1000 CHANNEL ATTACHED USING P3087 (COLUMN INSERT) CLAMPS. AFTER INSTALLATION IS COMPLETE AND APPROVED, TACK WELD SET SCREWS TO CLAMP BODY TO PREVENT LOOSENING. (TYP)

SECTION A-A



SECTION B-B



SECTION C-C

NOTES

1. USE LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC) AT CONNECTIONS BETWEEN ABUTMENTS AND PIER AND THE STRUCTURAL STEEL. SUPPORT LFMC LENGTHS OVER 0.5 m (18") AT INTERVALS NOT EXCEEDING 0.3 m (12").

ALDRIDGE ELECTRIC, INC.
4572 N. Bradley Road
Libertyville, IL 60048-9504
Phone: 847-680-5200

RECORD DRAWINGS

Date: 5-17-05

Initials: JH

E-39

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-90/94 KENNEDY EXPRESSWAY

HUBBARD'S CAVE LIGHTING
NORTH FASCIA GIRDER ELEVATION

DRAWN BY JRH
CHECKED BY DEM

DATE 02-14-03

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MODEL: Default
FILE NAME: c:\Engineering\Live Projects\2005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1162U36-sht-Exist Light_36.dgn

Accurate GROUP, INC.

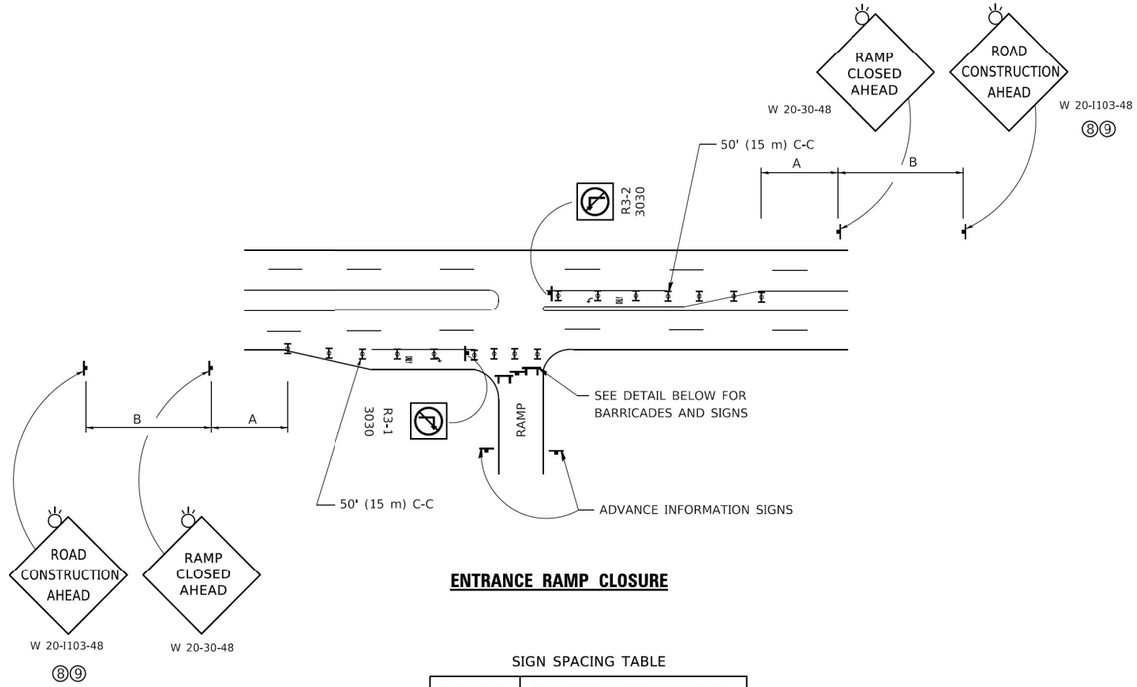
USER NAME = Jdavis	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - JJD	REVISED -
PLOT DATE = 6/30/2023	DATE - 06/30/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING LIGHTING PLANS
WB I-94 BRIDGE PAINTING & LIGHTING

SCALE: NONE | SHEET 36 OF 36 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	114
		CONTRACT NO. 62U36		
		ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)	

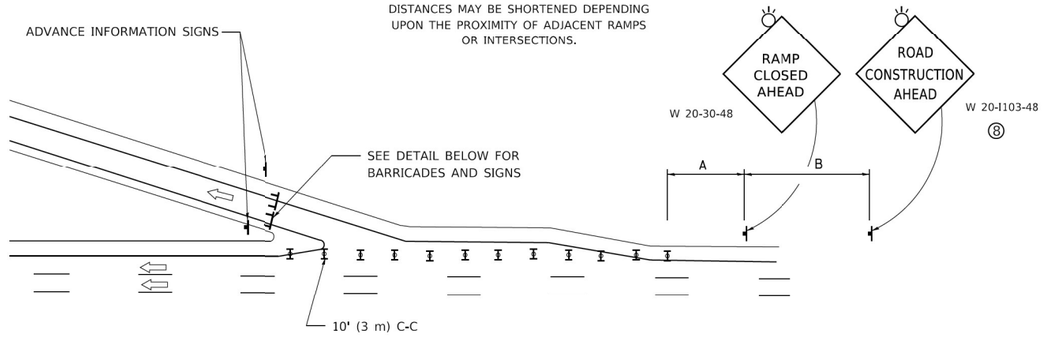


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.

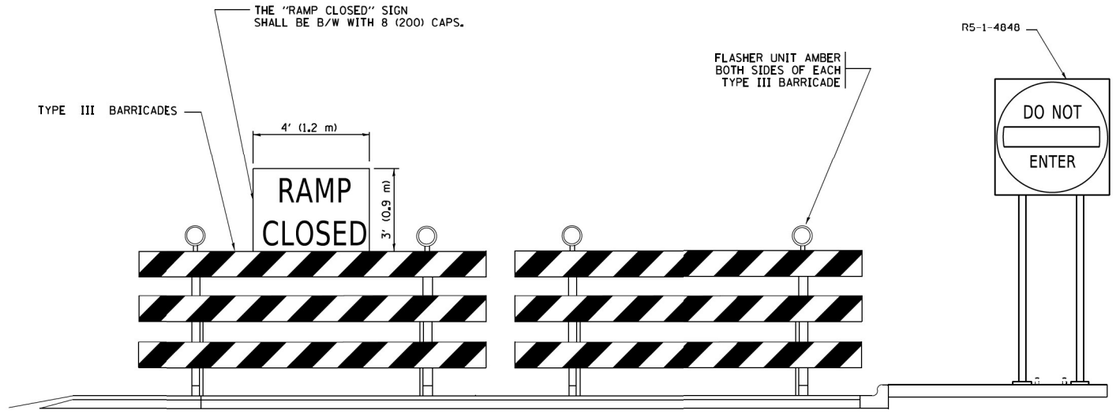


EXIT RAMP CLOSURE

SYMBOLS

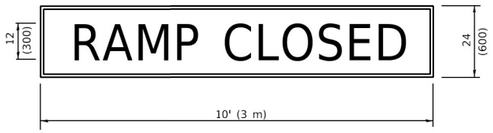
TYPE II BARRICADE OR DRUM

TYPE III BARRICADE WITH 2 FLASHING LIGHTS



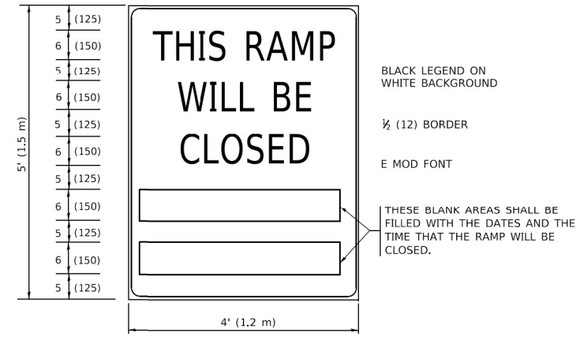
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

½ (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
8. ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
9. ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

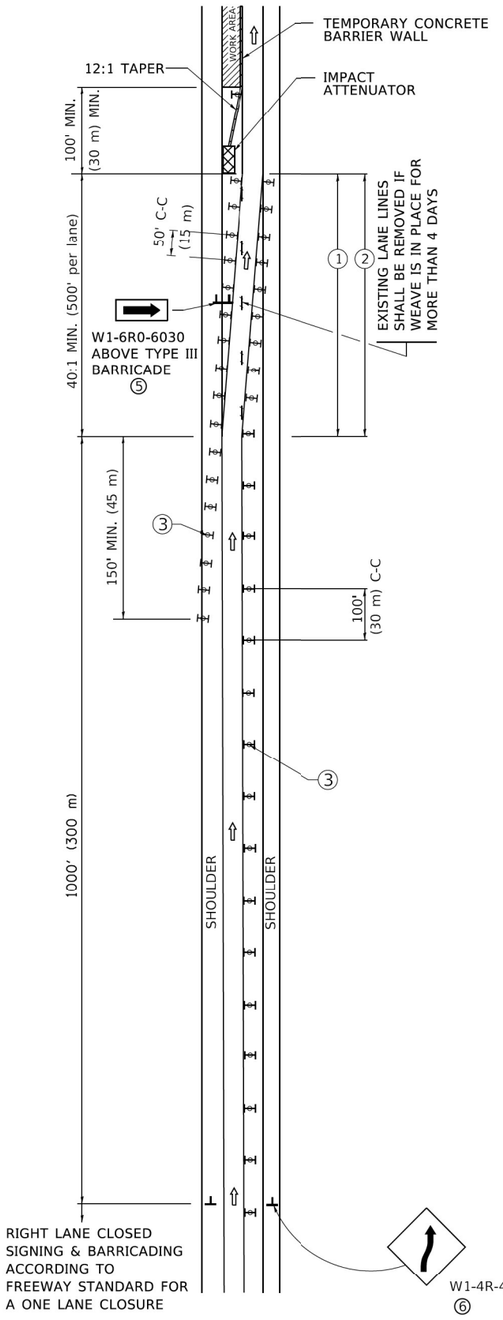
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: TC-08
FILE NAME: D:\Engineering\Live\Projects\20005 IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\tc08236D1\62U36D1\62U36=tc-d1 Sht5.dgn

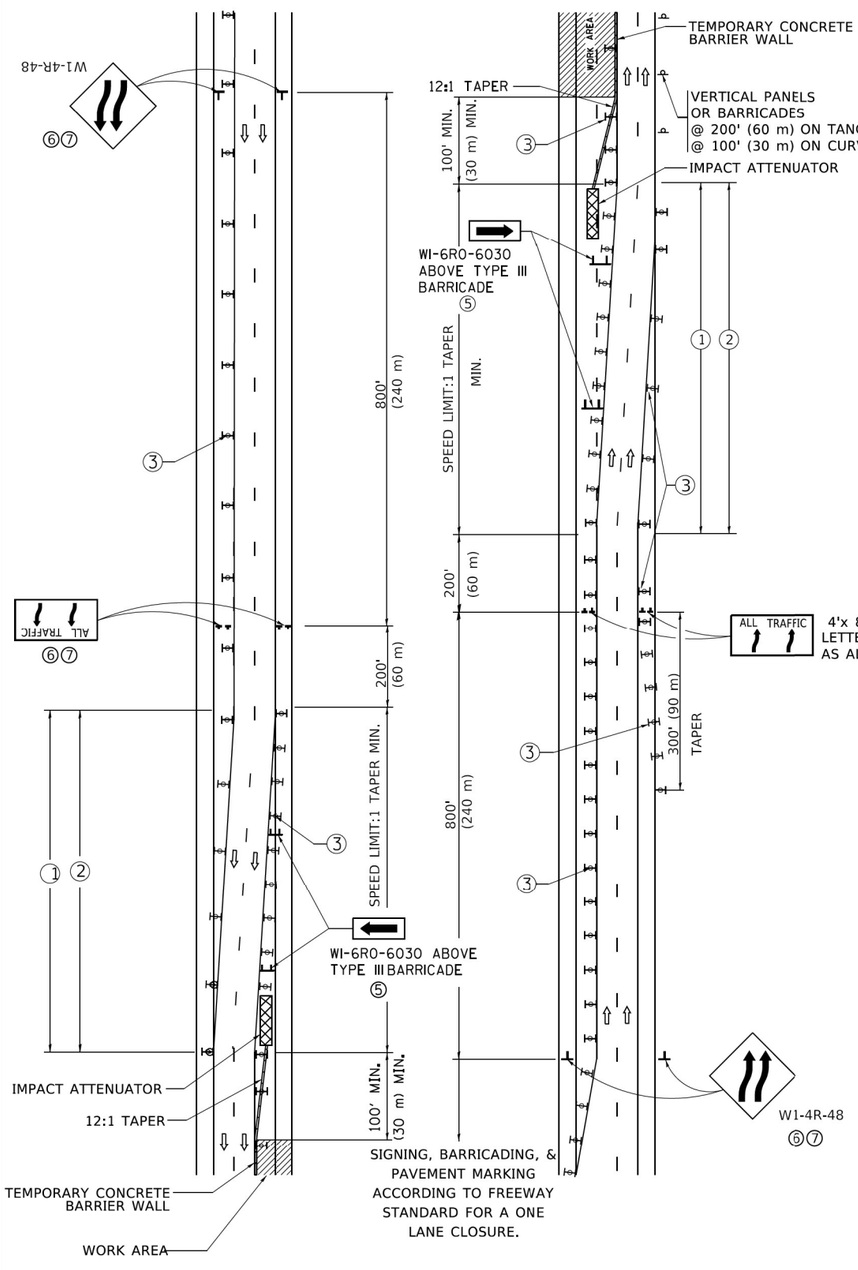
USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B._01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ENTRANCE_AND_EXIT_RAMP CLOSURE_DETAILS	
	DRAWN -	REVISED - S.P.B._12-09			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M.D._06-13			
PLOT DATE = 3/4/2019	DATE - 02-83	REVISED - M.D._01-18		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	115
	TC-08	CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

SINGLE LANE WEAVE



MULTI–LANE WEAVE



GENERAL NOTES:

① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.

② CONTINOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.

⑤ TYPE III BARRICADES MAY BE OMMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.

⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

ALL TRAFFIC 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06	
	DRAWN -	REVISED - S.P.B. 01-07	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09	
PLOT DATE = 3/4/2019	DATE - 02-87	REVISED - M.D. 06-13	

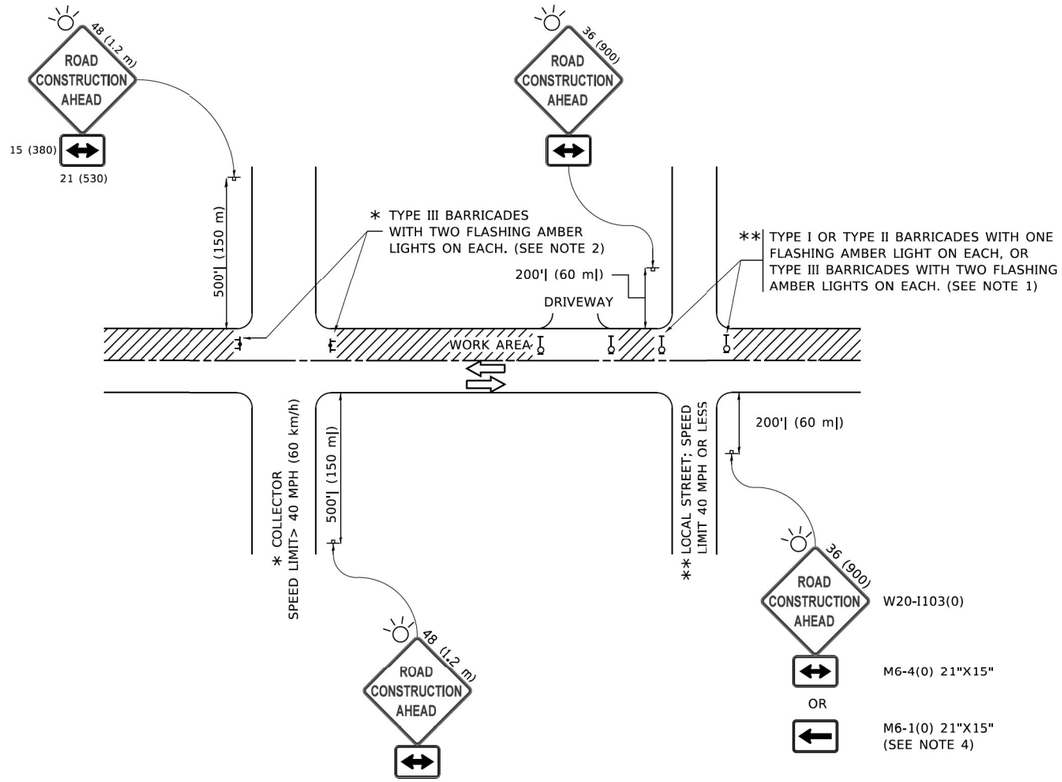
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI–LANE WEAVE

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	116
	TC-09	CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

MODEL: TC-09
FILE NAME: O:\Engineering\Live\Projects\2020\S IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D1626U36-s14-01 Sht.dgn



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

MODEL: TC-10
FILE NAME: c:\Projects\engUtech\Projects\20005 IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36<<id>> Sids.dgn

USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13	
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16	

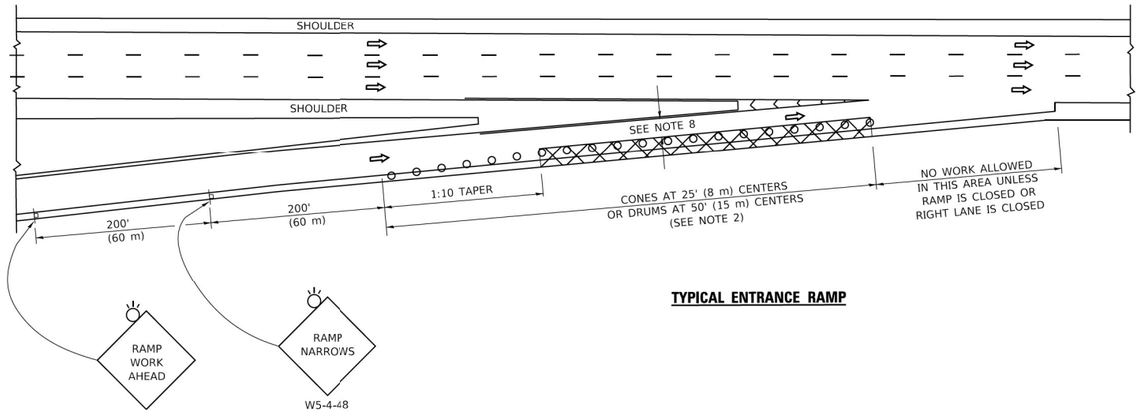
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

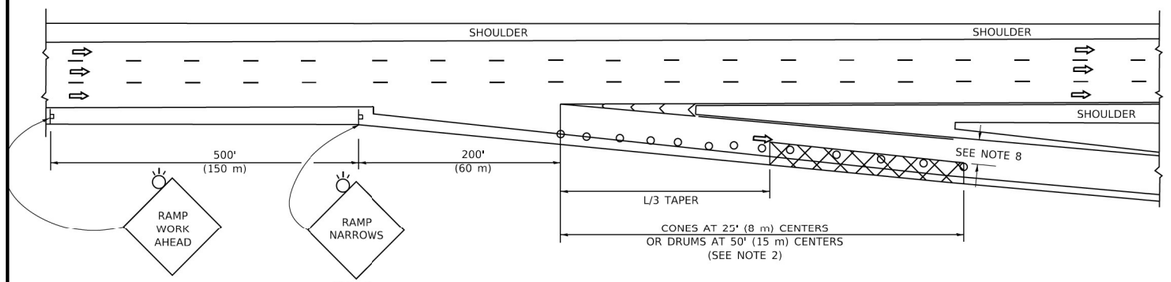
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	116A
	TC-10	CONTRACT NO. 62U36		
	ILLINOIS FED. AID PROJECT NHPP-EHG7(288)			

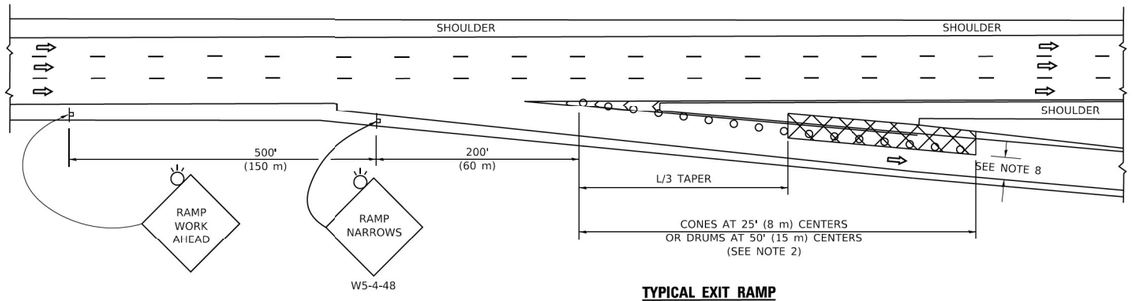
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

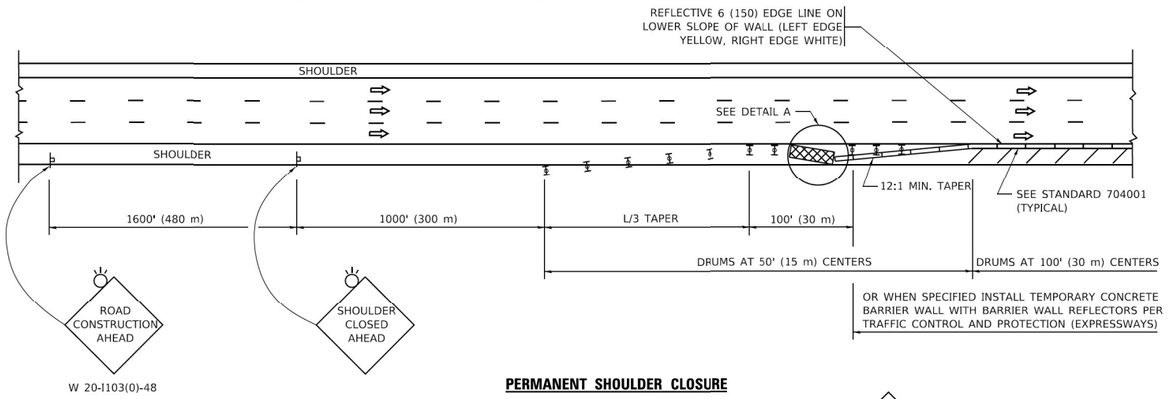


TYPICAL EXIT RAMP

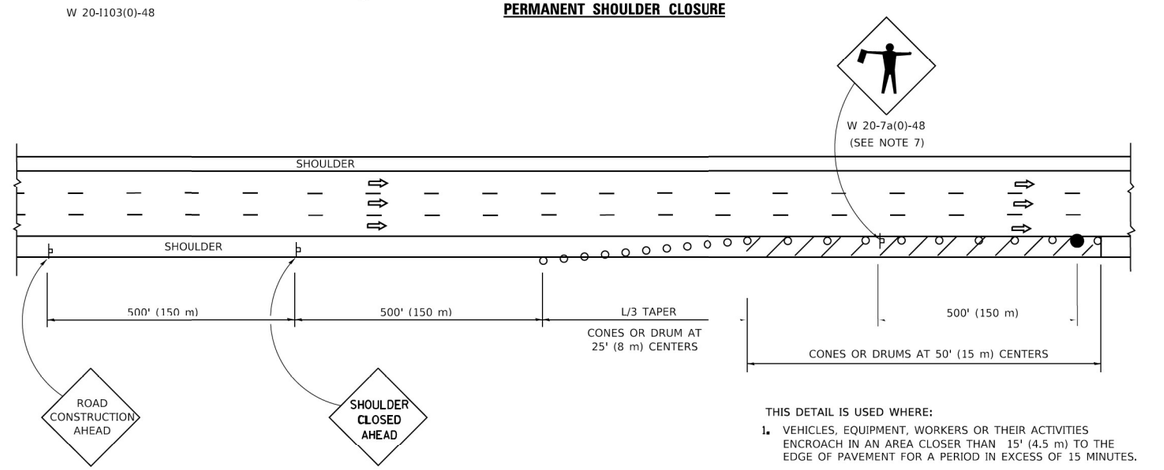


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



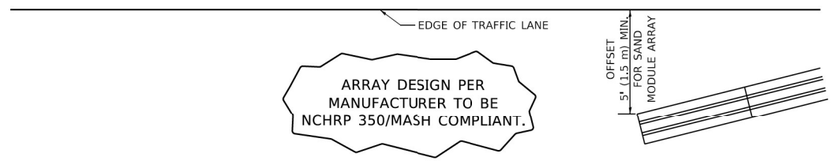
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS	
45 mph (80 km/h) OR GREATER:	METRIC	ENGLISH
	L=0.65(W)(S)	L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTICLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
   a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
   b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.

   THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
   16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: TC-17
FILE NAME: c:\Engineering\Live Projects\2009\ IDOT DURV\WO 35 - Bridge Painting\CADD\CADD Sheets\tc117_02U36_D162U36-sht-01 Std.dgn

USER NAME = footemj	DESIGNED -		REVISED -	S.P.B. 01-07	
	DRAWN -	D.W.S.	REVISED -	S.P.B. 12-09	
PLOT SCALE = 50.0000 ' / in.	CHECKED -		REVISED -	M.D. 06-13	
PLOT DATE = 3/4/2019	DATE -	11-96	REVISED -	M.D. 01-18	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

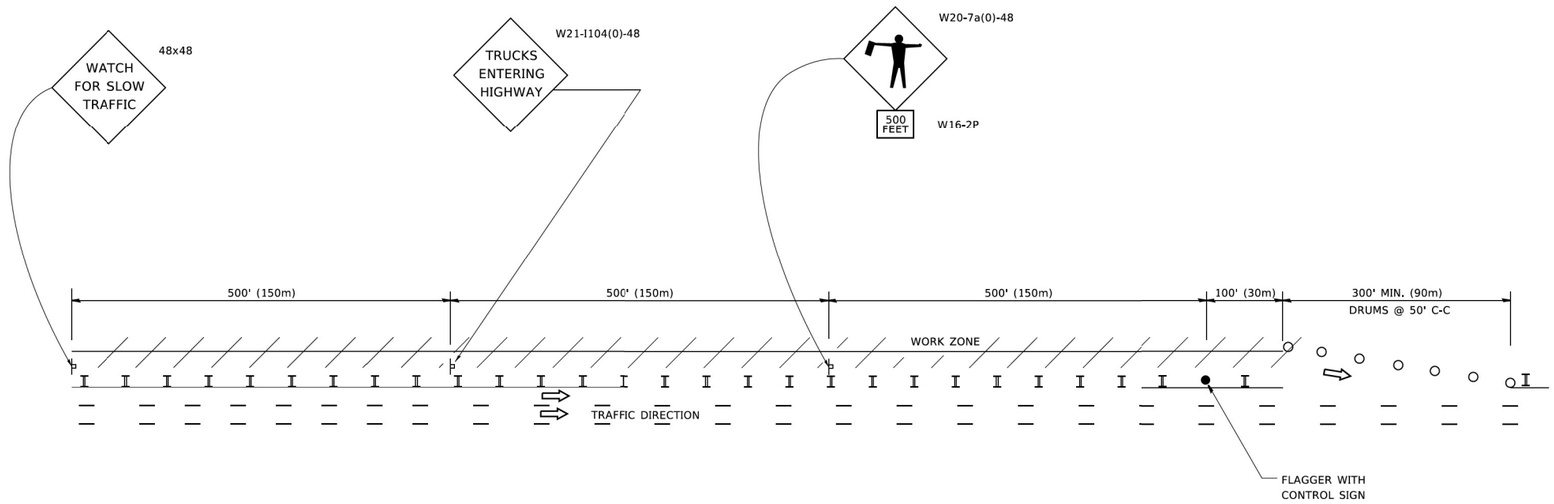
TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

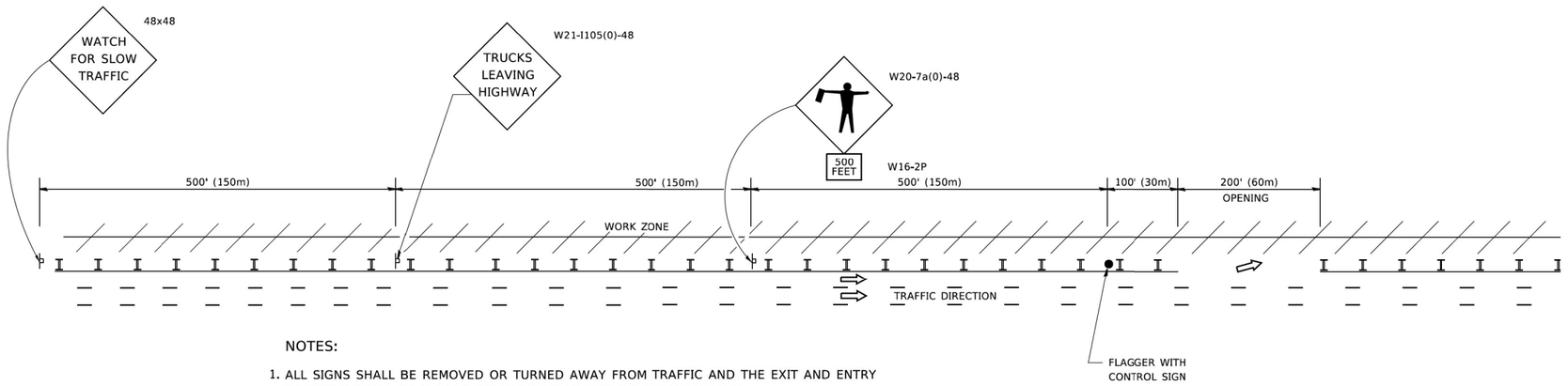
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	117
	TC-17	CONTRACT NO. 62U36		
	ILLINOIS	FED. AID PROJECT NHPP-EHG7(288)		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: TC-18
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-D1 Stds.dgn

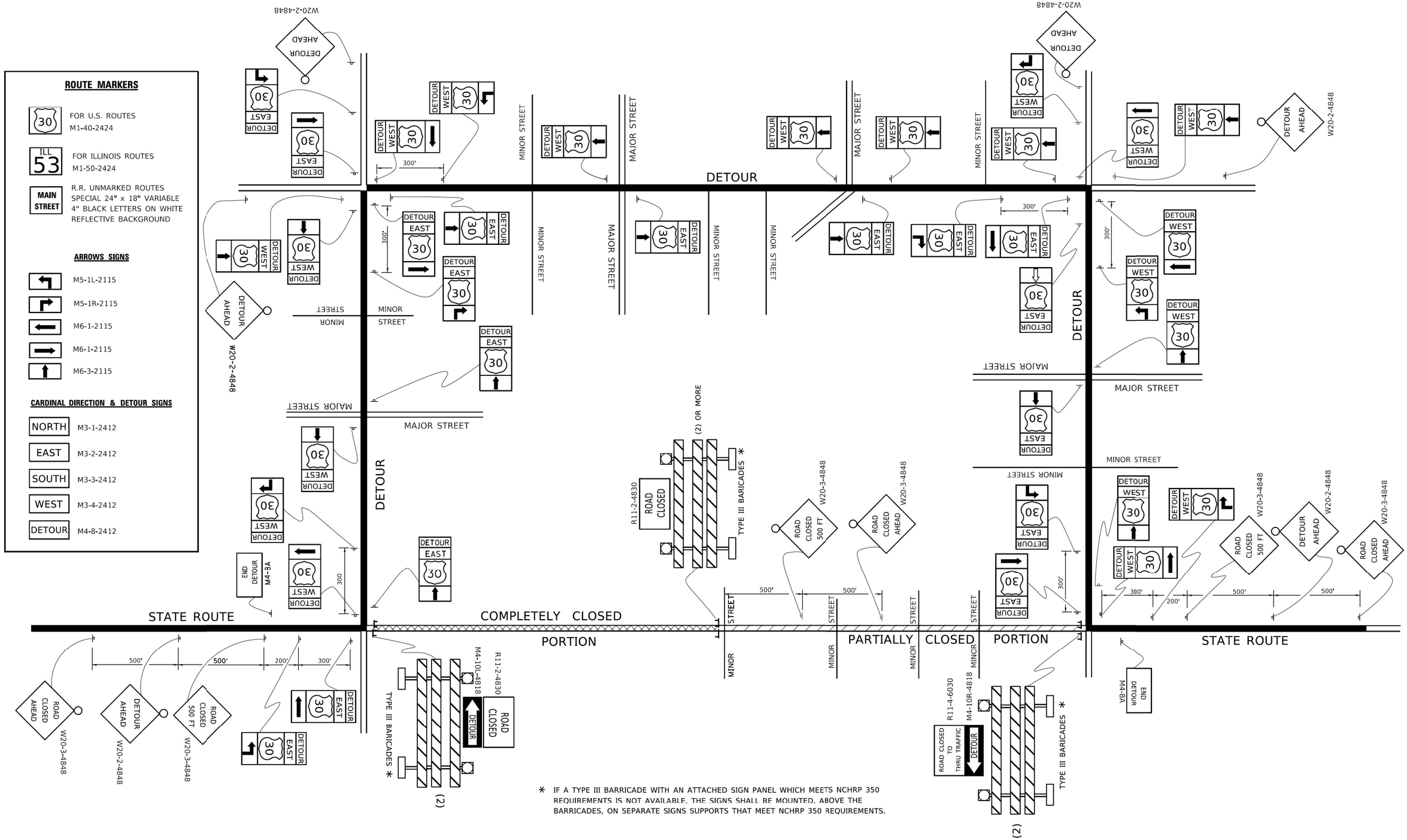
USER NAME = footemj	DESIGNED -	REVISED -	J.A.F. 02-06
	DRAWN -	REVISED -	S.P.B. 01-07
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	S.P.B. 12-09
PLOT DATE = 3/4/2019	DATE -	REVISED -	M.D.06-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	118
	TC-18	CONTRACT NO. 62U36		
		ILLINOIS FED. AID PROJECT NHPP-EHG7(288)		



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

MODEL: TC-21
FILE NAME: Q:\Engineering\LiveProjects\20005_IDOT_DUR\WO 35 - Bridge Painting\CADD\CADD Sheets\Civil\62U36\D162U36-sht-D1 Stds.dgn

USER NAME = footemj	DESIGNED -	REVISED -	10-18-02
	DRAWN -	REVISED -	R. BORO 09-14-09
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/4/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	FAI 94 22 BRIDGE PAINTING	COOK	119	119
	TC-21	CONTRACT NO. 62U36		
		ILLINOIS FED. AID PROJECT NHPP-EHG7(288)		