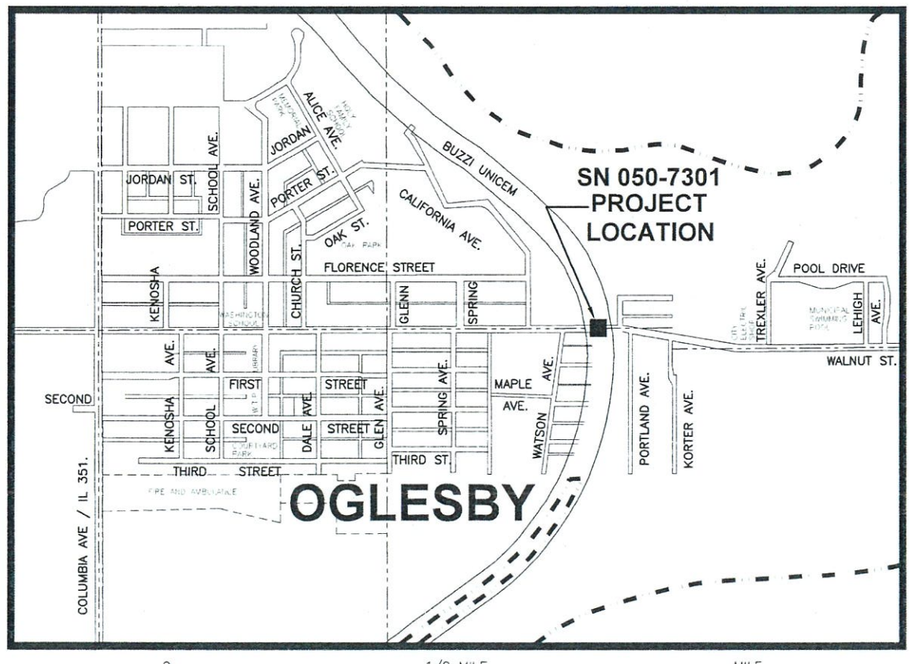
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6093	20-38821-00-BR	LASALLE	43	1
FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 87852		

01-17-2025 LETTING ITEM 134

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED LOCAL BRIDGE FORMULA PROGRAM

CITY OF OGLESBY
FAU 6093 (WALNUT STREET) OVER RAILROAD
SECTION 20-00821-00-BR
LASALLE COUNTY
PROJECT 4J4M (719)
C-93-006-25

LOCATION OF SECTION INDICATED THUS: - ■■■



0 1/2 MILE MILE

GRAPHIC SCALE

NET LENGTH OF SECTION 121.02' (0.023 MILES) GROSS LENGTH OF SECTION 121.02' (0.023 MILES)

N

WALNUT STREET
FUNCTION CLASSIFICATION: MINOR ARTERIAL
ADT= 1600 (2020)
POSTED SPEED 25 MPH
DESIGN SPEED 25 MPH
ADT= 1616 (2046)

SEE SHEET 2 FOR INDEX OF SHEETS

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED Oct 25 20 24
COUNTY ENGINEER

APPROVED Oct 25 20 24
MAYOR, CITY OF OGLESBY

PASSED November 8 20 24
DISTRICT 3 LOCAL ROADS AND STREETS ENGINEER

RELEASED FOR BID BASED ON LIMITED REVIEW November 8 20 24
REGION 2 ENGINEER

10/25/24
date

JAMES K. CLINARD
LICENSED PROFESSIONAL ENGINEER
NO. 062-041793
STATE OF ILLINOIS
expires 11-30-2025
signature
PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

JAMES K CLINARD
CHAMLIN & ASSOCIATES
815.223.3344

CONTRACT 87852

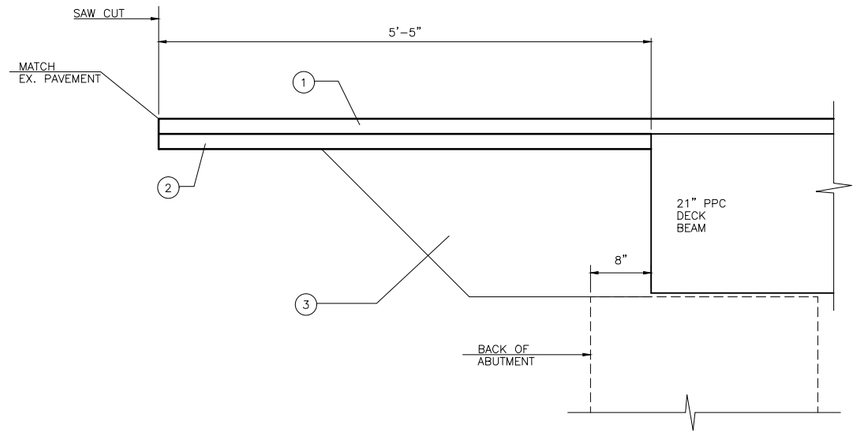
TOWNSHIP SECTION 20-38821-00-BR LASALLE COUNTY SECTION: ROUTE:

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
515001-04	NAME PLATE FOR BRIDGES
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS – DAY ONLY
701316-14	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLRCTOR MOUNTNG DETAILS



TYPICAL SECTION AT END OF DECK

LEGEND

(1) POLYMERIZED, HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5 MIX "C" N50 1 1/2"

(2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 4.75, N50 2 1/2"

(3) AGGREGATE BASE COURSE. TYPE A

GENERAL NOTES

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS		2.05	TONS / CU YD
HMA RESURFACING		112	LBS / SQ YD / IN

COMMITMENTS

NO WORK SHALL BE DONE OVER THE RAILROAD BETWEEN JANUARY 1 AND MARCH 31.

"CONTRACT NO. 87852

Drawing Name: G:\Users\111\111489-00-Walnut Street Bridge Superstructure Replacement\CAD\002-GENERAL NOTES AND TYPICAL SECTIONS.dwg Last Modified: Monday, October 21, 2024 3:03:51 PM Plotted On: Monday, October 21, 2024 4:40:03 PM by Jim Clinard

DRAWN BY: JJW
CHECKED BY: JKC
DATE: 01/2024

REVISIONS			
LEVEL	BY	DATE	DESCRIPTION

Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

INDEX OF SHEETS
GENERAL NOTES AND TYPICAL SECTION

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
SHEET 2
FILE NO.: 111489.00 Y-
OF 43

				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE 0013 050-7301
35100100	AGGREGATE BASE COURSE, TYPE A	TON	27	27
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	70	70
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	172	172
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	4.4	4.4
40605020	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "C", N50	TON	39	39
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	59	59
44000100	PAVEMENT REMOVAL	SQ YD	32	32
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	22	22
44000600	SIDEWALK REMOVAL	SQ FT	59	59
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	23.9	23.9
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3961	3961
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1350	1350
* 50901720	BICYCLE RAILING	FOOT	109	109

* SPECIALTY ITEM

"CONTRACT NO. 87852

DRAWN BY: JJW	REVISIONS				Chamlin & Associates	PERU MORRIS OTTAWA MENDOTA ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	SUMMARY OF QUANTITIES	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION						SCALE: AS NOTED	SHEET 3
DATE: 01/2024										FILE NO.: 111489.00 Y-	OF 43

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE BRIDGE 0013 050-7301
51500100	NAME PLATES	EACH	1	1
52200010	TEMPORARY SHEET PILING	SQ FT	133	133
58100210	FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	368	368
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	1102	1102
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	22	22
67100100	MOBILIZATION	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70400100	TEMPORARY CONCRETE BARRIER	FOOT	425	425
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	662.5	662.5
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	2
70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	4	4
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	60	60
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1

* SPECIALTY ITEM

"CONTRACT NO. 87852

DRAWN BY: JJW	REVISIONS				PERU MORRIS OTTAWA MENDOTA ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	SUMMARY OF QUANTITIES	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 4
DATE: 01/2024									FILE NO.: 111489.00 Y-	OF 43

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE BRIDGE 0013 050-7301
*	Z0007124	STEEL RAILING (SPECIAL)	FOOT	108	108
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

* SPECIALTY ITEM

"CONTRACT NO. 87852

DRAWN BY: JJW	REVISIONS				Chamlin & Associates	PERU MORRIS OTTAWA MENDOTA ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	SUMMARY OF QUANTITIES	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION						SCALE: AS NOTED	SHEET 5
DATE: 01/2024										FILE NO.: 111489.00 Y-	OF 43

REMOVAL SCHEDULE			
LOCATION	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL
	SQ YD	FOOT	SQ FT
STA 5+82.25 TO WEST END OF DECK	15.6	10.8	30
EAST END OF DECK TO STA 7+03.27	15.6	10.8	28.9
TOTAL	31.2	21.6	58.9

PAVING SCHEDULE					
LOCATION	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHAL, 9.5, MIX "C",N50	AGGREGATE BASE COURSE, TYPE A
	POUND	POUND	TON	TON	TON
STA 5+81 TO WEST END OF DECK	35	---	2.2	---	13.5
STA 5+81 TO STA 7+02.02	----	172	---	39	---
EAST END OF DECK TO STA 7+02.02	35	---	2.2	---	13.5
TOTAL	70	172	4.4	39	27

TEMPORARY BRIDGE TRAFFIC SIGNAL SCHEDULE	
LOCATION	TEMPORARY BRIDGE TRAFFIC SIGNALS
	EACH
STAGE I,II, & III	1
TOTAL	1

SIDEWALK SCHEDULE	
LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
	SQ FT
STA 5+82.25 TO WEST END OF DECK	30
EAST END OF DECK TO STA 7+03.27	28.9
TOTAL	58.9

TEMPORARY CONCRETE BARRIER SCHEDULE				
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2
	FOOT	FOOT		
STAGE I				
STA 5+51.52 TO STA 7+26.52	175	---	---	---
STA 5+14.86 TO STA 7+63.73	250	---	2	---
STAGE II				
STA 5+51.52 TO STA 7+26.52	---	175	---	---
STA 5+14.86 TO STA 7+63.73	---	250	---	2
STAGE III				
STA 5+26.71 TO STA 7+63.59	---	237.5	---	2
TOTAL	425	662.5	2	4

CURB AND GUTTER SCHEDULE	
LOCATION	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
	FOOT
STA 5+82.25 TO WEST END OF DECK	11
EAST END OF DECK TO STA 7+03.27	11
TOTAL	22

PAVEMENT MARKING SCHEDULE	
LOCATION	PAINT PAVEMENT MARKING - LINE 4"
	FOOT
STA 5+82.25 TO STA 7+03.27	
(10' /40' - 2 APPLICATIONS)	60
TOTAL	60

"CONTRACT NO. 87852

DRAWN BY: DS
CHECKED BY: JKC
DATE: 01/2024

REVISIONS			
LEVEL	BY	DATE	DESCRIPTION

Chamlin & Associates

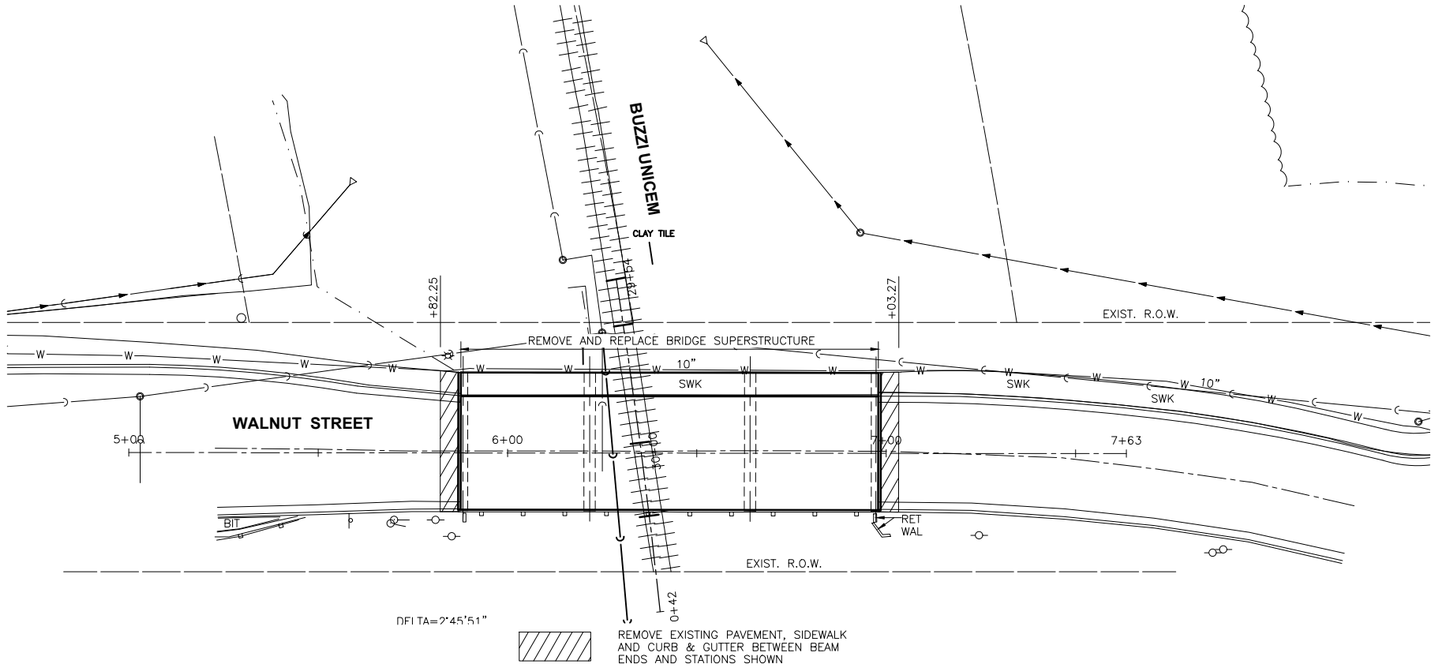
PERU MORRIS
OTTAWA MENDOTA
ILLINOIS

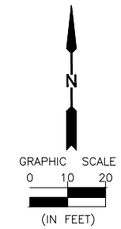
WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

SCHEDULE OF QUANTITIES

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED | SHEET 6
FILE NO.: 111489.00 Y– | OF 43

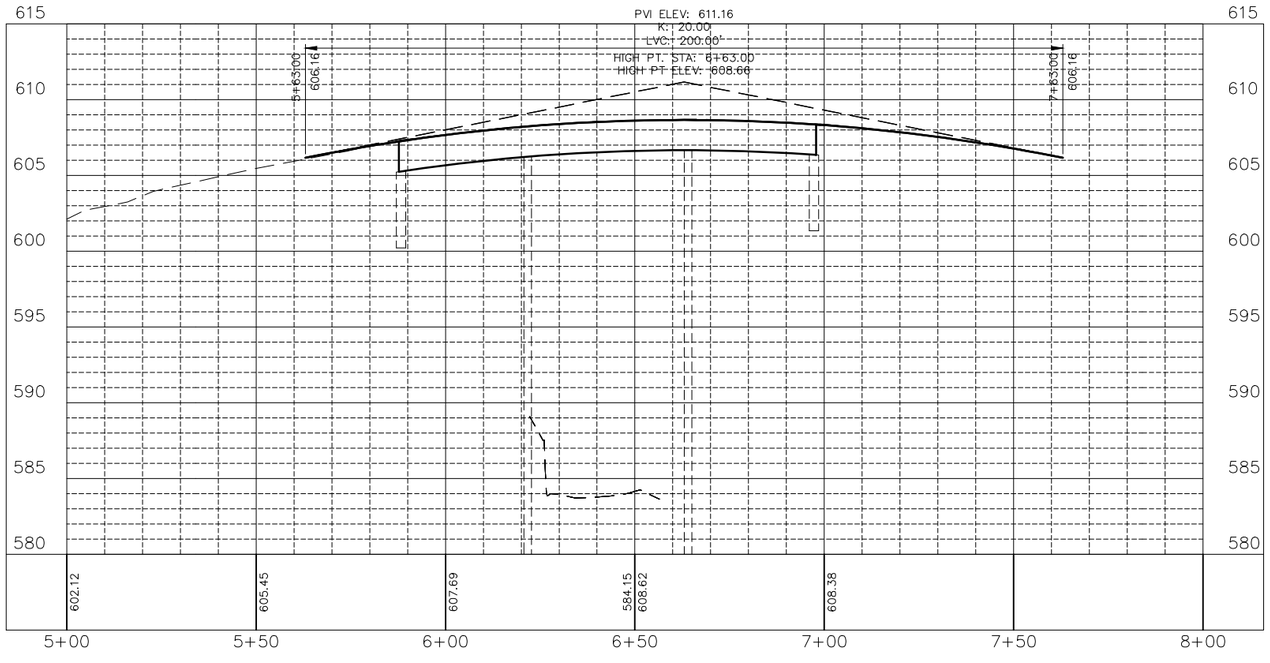




BM #1
RAILROAD SPIKE IN POWER POLE FACING NORTH AT S.E. CORNER OF PORTLAND AVE. AND E. WALNUT ST. INTERSECTION
ELEV.= 601.13

BM #2
RAILROAD SPIKE IN FIRST POWER POLE EAST OF PORTLAND AVE., SOUTH SIDE OF WALNUT ST.
ELEV.= 600.51

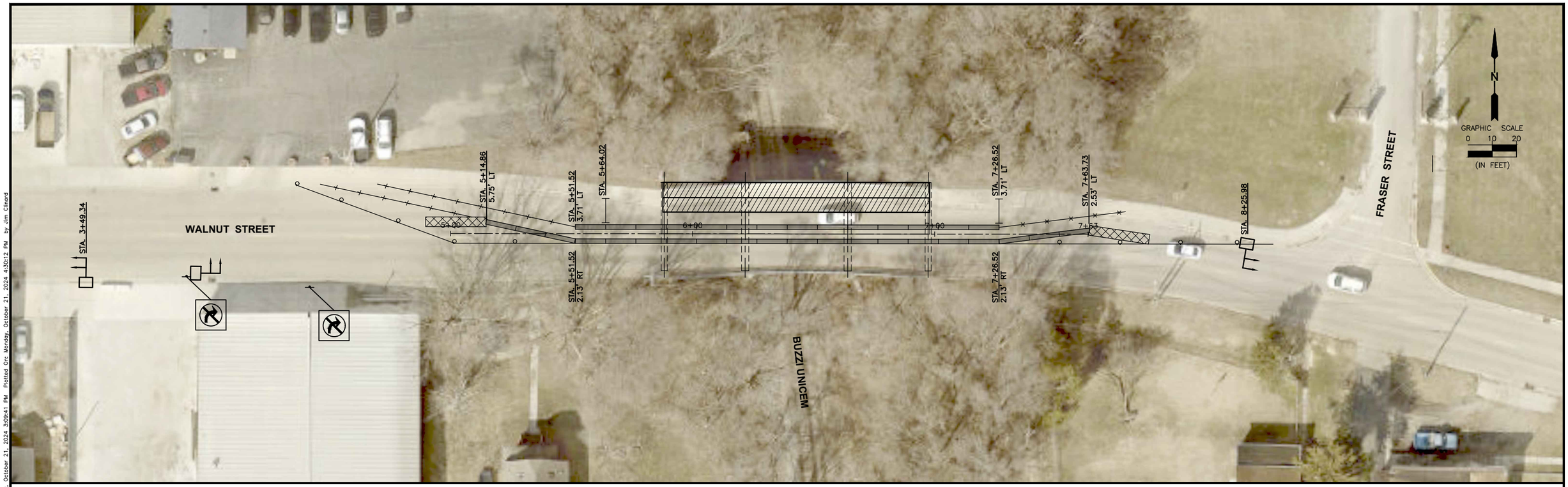
BM #10
CHISELED "X" ON TOP BOLT OF FIRST FIRE HYDRANT WEST OF KASAP'S BAR
ELEV. 602.30



PROPOSED PROFILE HAS BEEN SHOWN FOR INFORMATION PURPOSES ONLY. THE INTENT IS FOR PROPOSED PROFILE TO MATCH EXISTING

"CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS			PERU MORRIS OTTAWA MENDOTA ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY
CHECKED BY: JKC	LEVEL / BY / DATE / DESCRIPTION				PLAN AND PROFILE
DATE: 01/2024					CONSTRUCTION PLANS
					CURRENT AS OF: 10/21/2024
					SCALE: AS NOTED / SHEET 7
					FILE NO.: 111489.00 Y– / OF 43



ADVANCE WARNING SIGN PLACEMENT (STAGES I-III)

50' IN ADVANCE OF TEMPORARY SIGNAL OR AS DIRECTED BY THE ENGINEER
R10-6A-2430 "STOP HERE ON RED"

250' IN ADVANCE OF TEMPORARY SIGNAL OR AS DIRECTED BY THE ENGINEER
W3-3(0)-48

450' IN ADVANCE OF TEMPORARY SIGNAL OR AS DIRECTED BY THE ENGINEER
W20-4(0)-48 "ONE LANE ROAD AHEAD"

650' IN ADVANCE OF TEMPORARY SIGNAL OR AS DIRECTED BY THE ENGINEER
W12-1102(0)-48 9'-0"

850' IN ADVANCE OF TEMPORARY SIGNAL OR AS DIRECTED BY THE ENGINEER
W20-1103(0)-48 "ROAD CONSTRUCTION AHEAD"

EASTBOUND NEAR IL 351 AND SOUTHBOUND ON ED HAND HIGHWAY AT IL 71
AS DIRECTED BY THE ENGINEER
W12-1102(0)-48 AND W12-1101(0) "ONE MILE AHEAD" & "1.5 MILES AHEAD"

ALL ORANGE SHEETED SIGNS SHALL BE FLUORESCENT ORANGE

LEGEND

- TRAILER MOUNTED TEMPORARY TRAFFIC SIGNALS WITH MICROWAVE DETECTORS SEE SPECIAL PROVISIONS
- WORK AREA
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS SEE STANDARDS 704001 AND 782006
- FLEXIBLE DELINEATORS AT 10' OC
- DRUMS AT 25' OC
- DRUMS AT 25' OC WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- IMPACT ATTENUATOR

SEE SHEETS 15 – 18 FOR ADDITIONAL DETAILS

CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

Chamlin & Associates

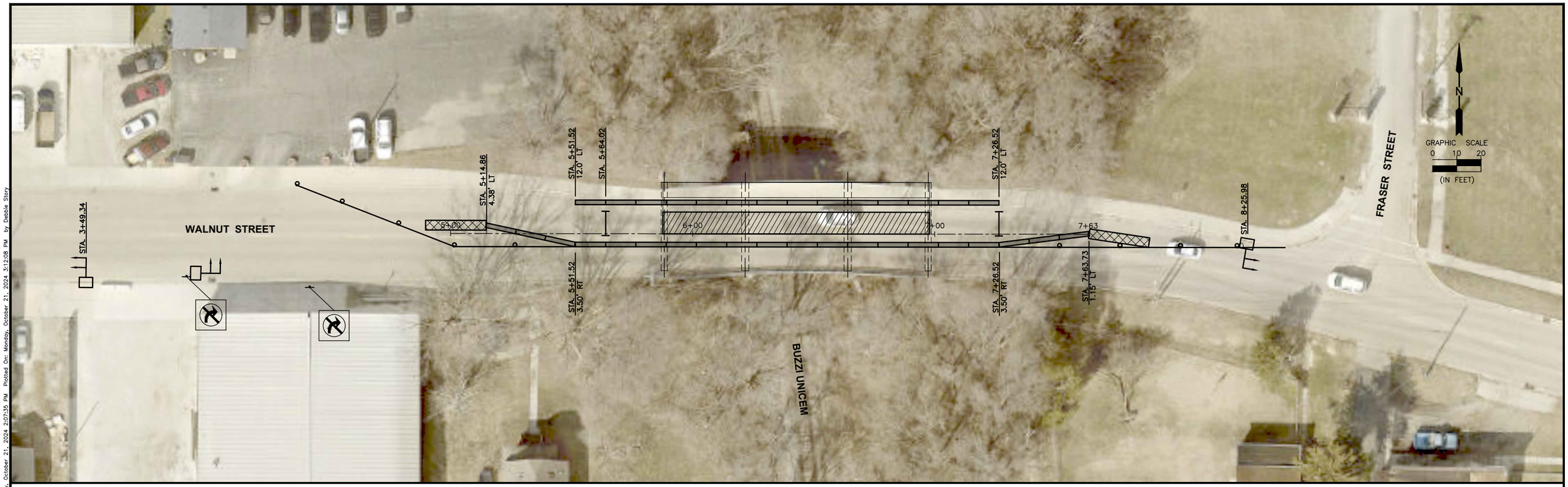
PERU MORRIS
OTTAWA MENDOTA
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

STAGE I
STAGE CONSTRUCTION & TRAFFIC CONTROL

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024	
SCALE: AS NOTED	SHEET 8
FILE NO.: 111489.00 Y-	OF 43



SEE SHEETS 15 – 18 FOR ADDITIONAL DETAILS

LEGEND

- TRAILER MOUNTED TEMPORARY TRAFFIC SIGNALS WITH MICROWAVE DETECTORS SEE SPECIAL PROVISIONS
- WORK AREA
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS SEE STANDARDS 704001 AND 782006
- FLEXIBLE DELINEATORS AT 10' OC
- DRUMS AT 25' OC
- DRUMS AT 25' OC WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- IMPACT ATTENUATOR

ALL ORANGE SHEETED SIGNS SHALL BE FLUORESCENT ORANGE

CONTRACT NO. 87852

DRAWN BY: DS
CHECKED BY: JKC
DATE: 01/2024

REVISIONS			
LEVEL	BY	DATE	DESCRIPTION

Chamlin & Associates

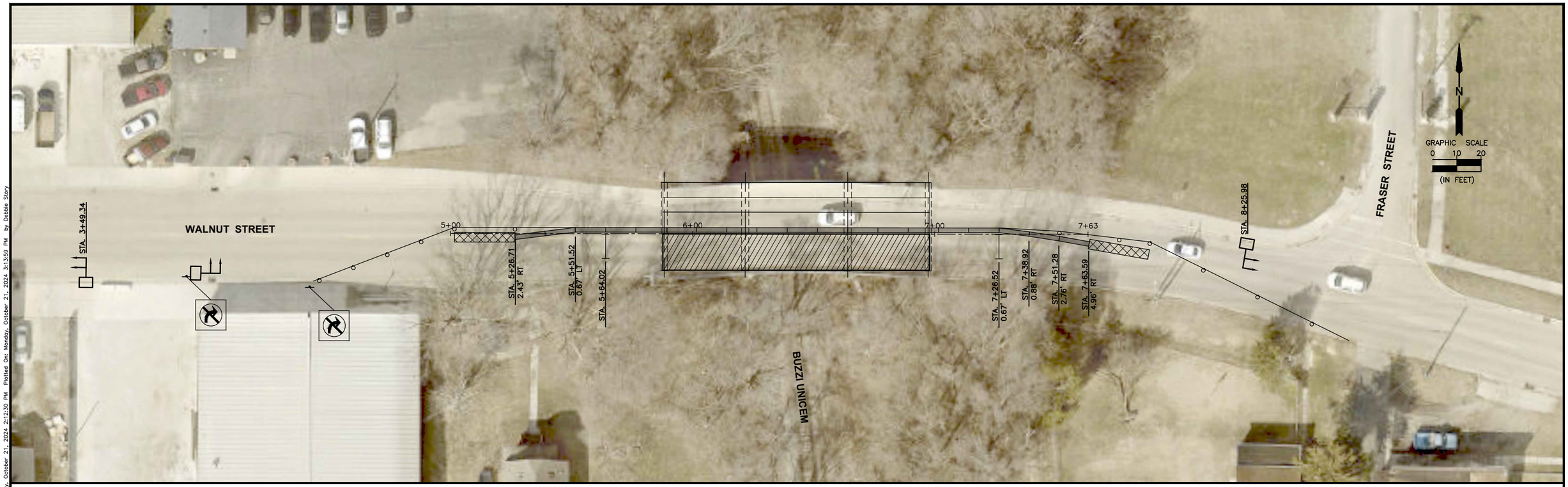
PERU MORRIS
OTTAWA MENDOTA
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

STAGE II
STAGE CONSTRUCTION & TRAFFIC CONTROL

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
SHEET 9
FILE NO.: 111489.00 Y–
OF 43



SEE SHEETS 15 – 18 FOR ADDITIONAL DETAILS

LEGEND

- TRAILER MOUNTED TEMPORARY TRAFFIC SIGNALS WITH MICROWAVE DETECTORS SEE SPECIAL PROVISIONS
- WORK AREA
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WITH BARRIER WALL REFLECTORS SEE STANDARDS 704001 AND 782006
- FLEXIBLE DELINEATORS AT 10' OC
- DRUMS AT 25' OC
- DRUMS AT 25' OC WITH STEADY BURNING BI–DIRECTIONAL LIGHT
- IMPACT ATTENUATOR

ALL ORANGE SHEETED SIGNS SHALL BE FLUORESCENT ORANGE

CONTRACT NO. 87852

Drawing Name: C:\Users\111489-00-Walnut Street Bridge Superstructure Replacement\CAD\010-STAGE III CONSTRUCTION AND TRAFFIC CONTROL.dwg Last Modified: Monday, October 21, 2024 2:12:30 PM Plotted On: Monday, October 21, 2024 3:13:59 PM by Debbie Story

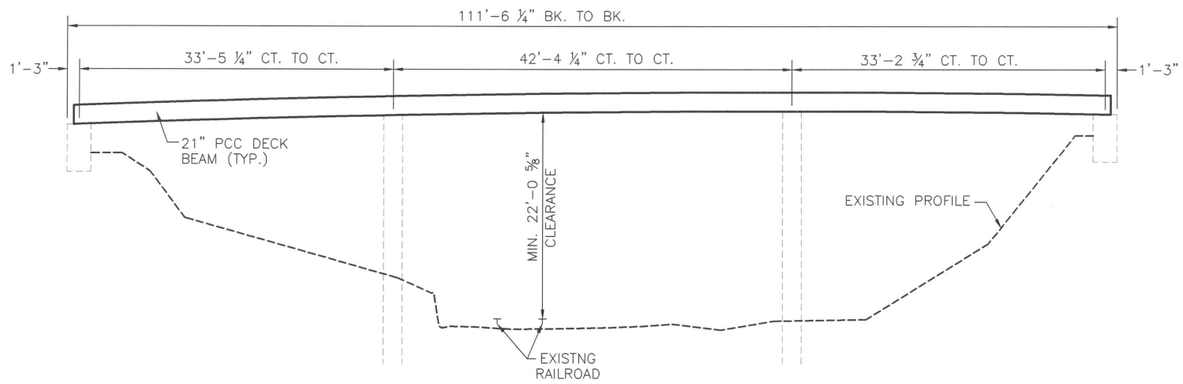
DRAWN BY: DS	REVISIONS				PERU MORRIS OTTAWA MENDOTA ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	STAGE III STAGE CONSTRUCTION & TRAFFIC CONTROL	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 10
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43

EXISTING STRUCTURE NO. 050-7301

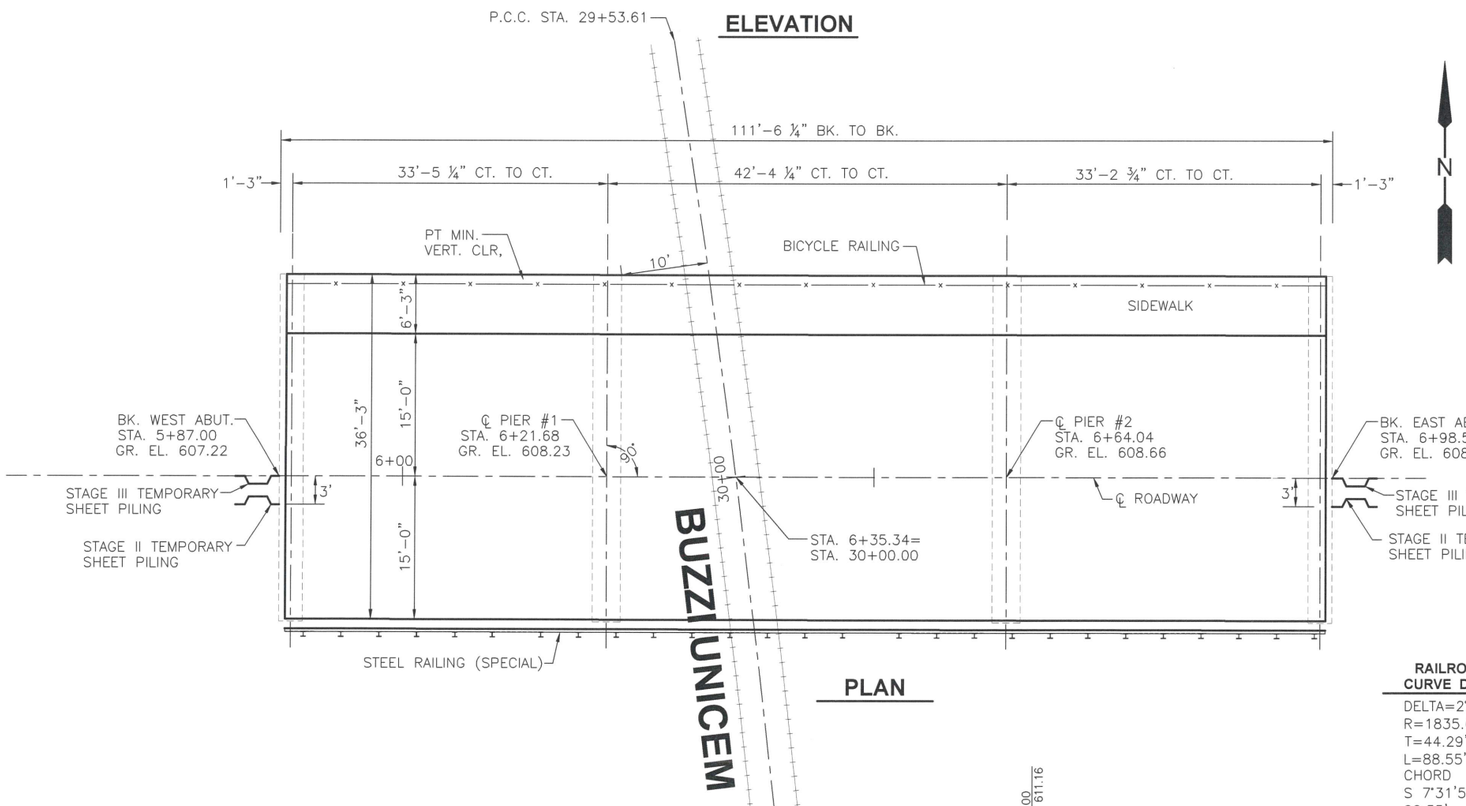
THREE SPAN PCC DECK BEAM BRIDGE ON PILE SUPPORTED ABUTMENTS

STAGED CONSTRUCTION

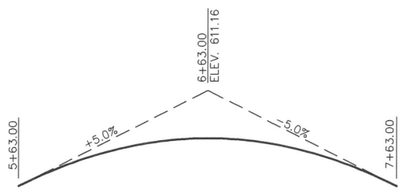
RE-USE EXISTING ABUTMENT AND PIERS



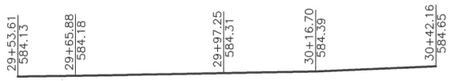
ELEVATION



PLAN



PROFILE GRADE



RAILROAD PROFILE

BM #1
RAILROAD SPIKE IN POWER POLE FACING NORTH AT S.E. CORNER OF PORTLAND AVE. AND E. WALNUT ST. INTERSECTION
ELEV.= 601.13

BM #2
RAILROAD SPIKE IN FIRST POWER POLE EAST OF PORTLAND AVE., SOUTH SIDE OF WALNUT ST.
ELEV.= 600.51

BM #10
CHISELED "X" ON TOP BOLT OF FIRST FIRE HYDRANT WEST OF KASAP'S BAR
ELEV. 602.30

GENERAL NOTES

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

IF THE CONTRACTOR CHOOSES TO ALTER THE TEMPORARY CANTILEVERED SHEET PILING DESIGN REQUIREMENTS SHOWN ON THE PLANS, A DESIGN SUBMITTAL INCLUDING PLAN DETAILS AND CALCULATIONS WILL BE REQUIRED FOR REVIEW AND ACCEPTANCE BY THE ENGINEER.

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

INDEX

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING SUPERSTRUCTURE	EACH	1	–	1
CONCRETE SUPERSTRUCTURE	CU YD	23.9	–	23.9
PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	3961	–	3961
REINFORCEMENT BARS, EPOXY COATED	POUND	1350	–	1350
BICYCLE RAILING	FOOT	109	–	109
NAME PLATES	EACH	1	–	1
TEMPORARY SHEET PILING	SQ FT	133	–	133
FULL LANE SEALANT WATERPROOFING SYSTEM	SQ YD	368	–	368
PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	1102	–	1102
STEEL RAILING (SPECIAL)	FOOT	108	–	108

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.073g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.124g
Soil Site Class = C

LOADING HL-93

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

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition, no interims.

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST PRESTRESSED UNITS
f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (1/2"ø low lax. strands)
fpbt = 201,960 psi (1/2"ø low lax. strands)
fy = 60,000 psi (Reinforcement)

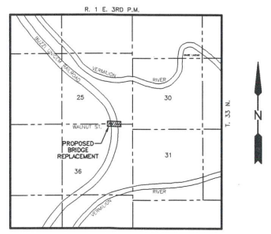
RAILROAD CURVE DATA

DELTA=2°45'51"
R=1835.61'
T=44.29'
L=88.55'
CHORD
S 7°31'54" E
88.55'

STA. 6+42.76
RE-BUILT BY
LA SALLE COUNTY

FAU Rt. 6093 Sec. 20-00821-00-BR
LOADING HL-93
STR. NO.050-7301

NAME PLATE
See Std. 515001



LOCATION SKETCH

10/25/24
date

JAMES K. CLINARD
LICENSED STRUCTURAL ENGINEER NO. 081-004655
STATE OF ILLINOIS
expires 11-30-2025
signature

PROFESSIONAL DESIGN FIRM LICENSE NO. 184-001717

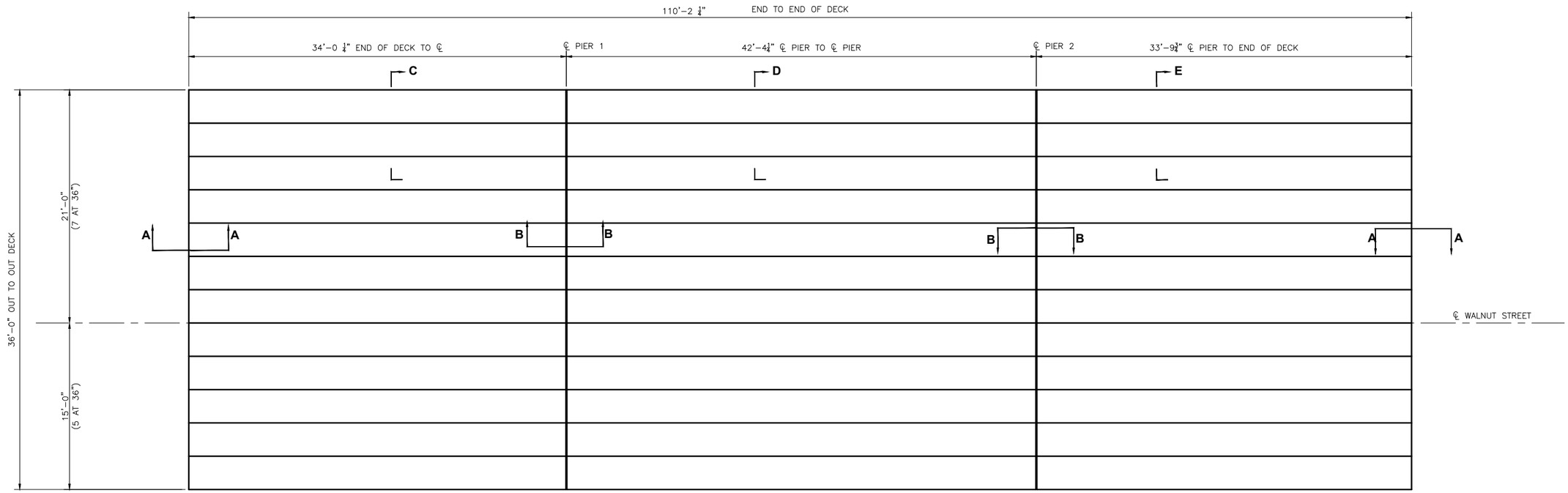
I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

SHEET 1 OF 32 "CONTRACT NO. 87852

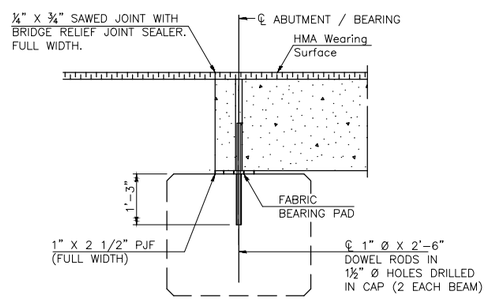
DRAWN BY: JJW	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	GENERAL PLAN & ELEVATION	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 11
DATE: 01/2024									FILE NO.: 111489.00 Y-	OF 43

Chamlin & Associates

Drawing Name: C:\Users\11\111489-00 Walnut Street Bridge Superstructure Replacement\CAD\011-GENERAL PLAN AND ELEVATION.dwg Last Modified: Monday, October 21, 2024 1:28:58 PM Plotted On: Monday, October 21, 2024 1:29:42 PM by Jim Clibord

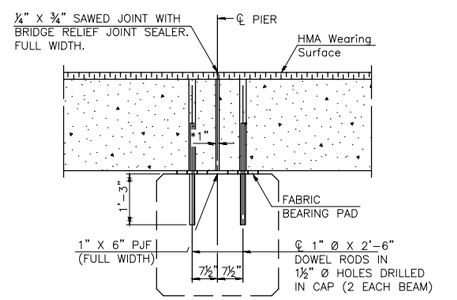


PLAN



SECTION A-A

SEE PPC DECK BEAM SHEETS FOR FABRIC BEARING PAD DETAILS



SECTION B-B

*1" JT. SHALL BE FILLED WITH NON-SHRINK GROUT. 1" DIMENSION MAY VARY TO ACCOMMODATE TOLERANCE IN BEAM LENGTHS.

NOTES

SEE SHEET 3 OF 32 FOR SECTIONS C,D,&E

SECTION B-B

SHEET 2 OF 32 "CONTRACT NO. 87852

DRAWN BY: JKC	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION	
DATE: 07/2022					

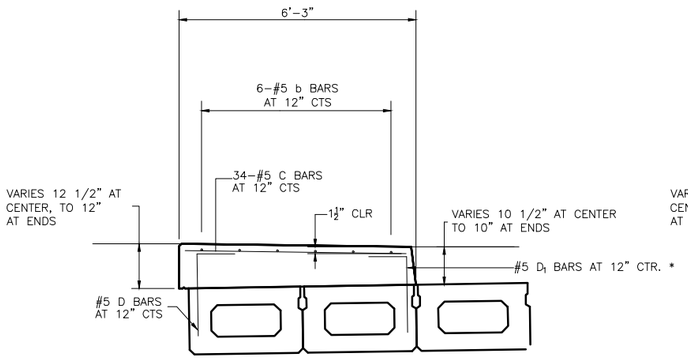
Chamlin & Associates

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

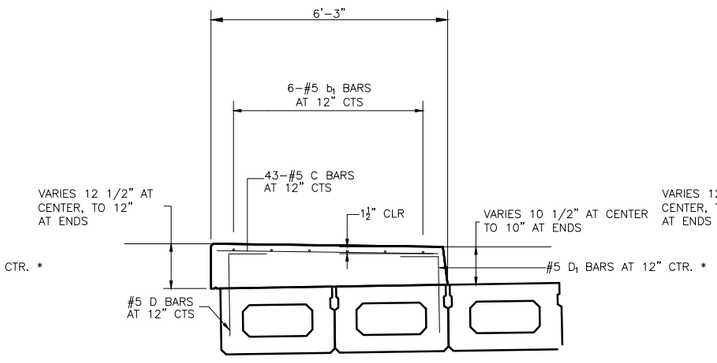
SUPERSTRUCTURE PLAN
STRUCTURE NO. 050-7301

CONSTRUCTION PLANS

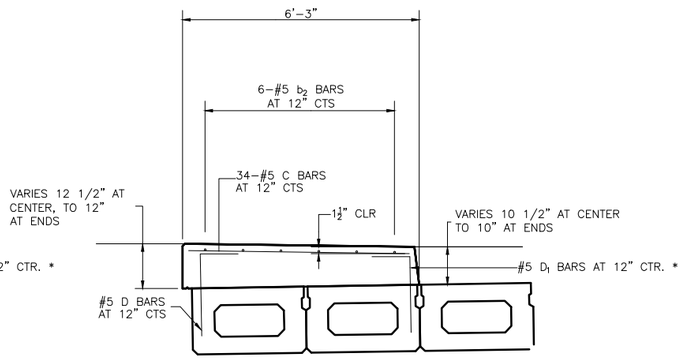
CURRENT AS OF: 10/21/2024			
SCALE: AS NOTED	SHEET	12	
FILE NO.: 111489.00 Y-	OF	43	



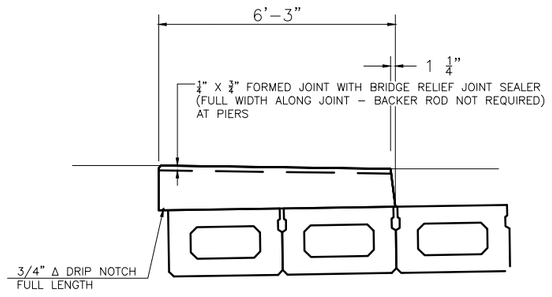
SECTION C- SPAN 1



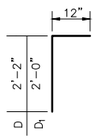
SECTION D- SPAN 2



SECTION E- SPAN 3



SIDEWALK DETAILS



BARS D & D_1
*** - THESE BARS SHALL BE CAST WITH BEAMS (INCLUDED IN COST OF BEAMS)**

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
b	6	#5	33'-8"	----
b_1	6	#5	42'-0"	----
b_2	6	#5	33'-6"	----
C	111	#5	5'-9"	----
REINFORCEMENT BARS, EPOXY COATED			POUND	1350
CONCRETE SUPERSTRUCTURE			CU YD	23.9

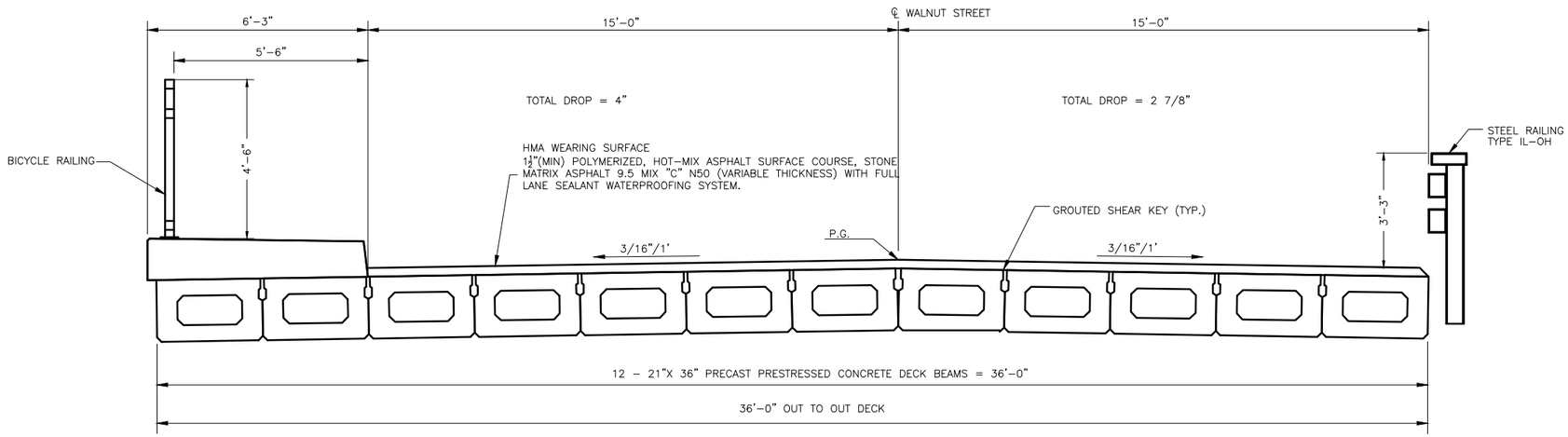
SHEET 3 OF 32 "CONTRACT NO. 87852

DRAWN BY: FP	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY
DATE: 01/2024					SUPERSTRUCTURE DETAILS STRUCTURE NO. 050-7301

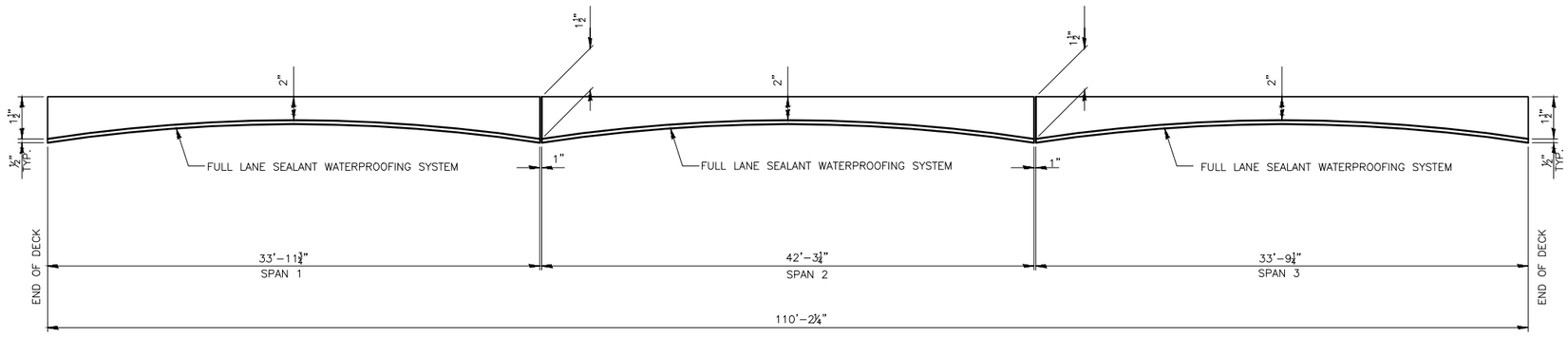
Chamlin & Associates

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED | SHEET 12
FILE NO.: 111489.00 Y– | OF 43



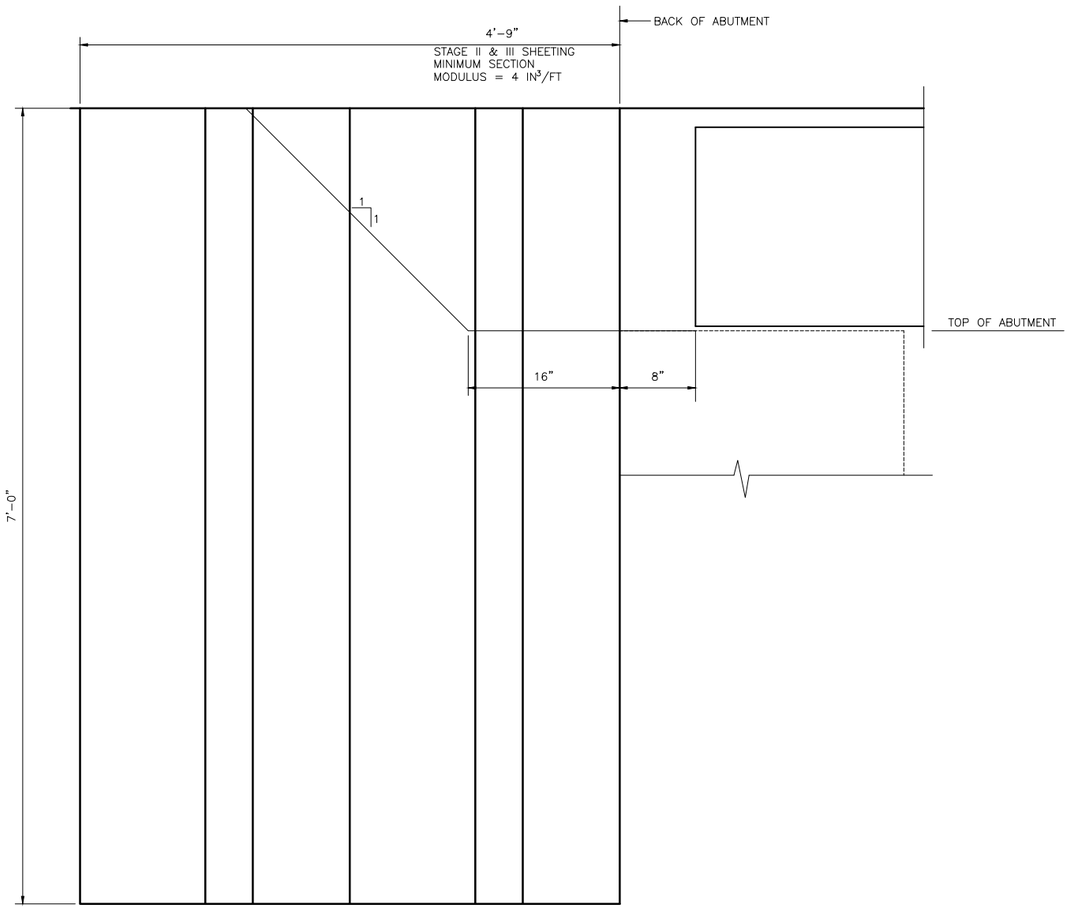
CROSS SECTION



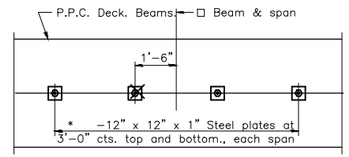
ANTICIPATED HMA WEARING SURFACE PROFILE

(FOR INFORMATION ONLY - BEAM CAMBER MAY VARY IN FIELD)

DRAWN BY: FP	REVISIONS				Chamlin & Associates	PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	SUPERSTRUCTURE DETAILS STRUCTURE NO. 050-7301	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION						SCALE: AS NOTED	SHEET 13
DATE: 01/2024										FILE NO.: 111489.00 Y-	OF 43

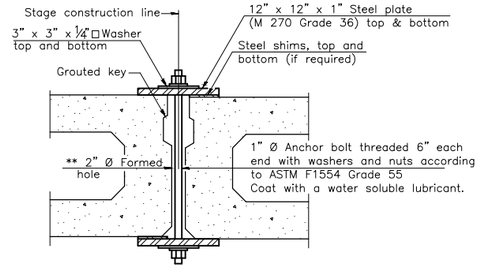


TEMPORARY SHEET PILING DETAIL - STAGE II + III
TYPICAL AT EACH ABUTMENT



PLAN

*Space plates to miss temporary bridge rail posts.



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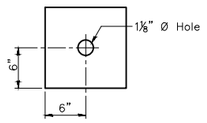


CLAMPING PLATE

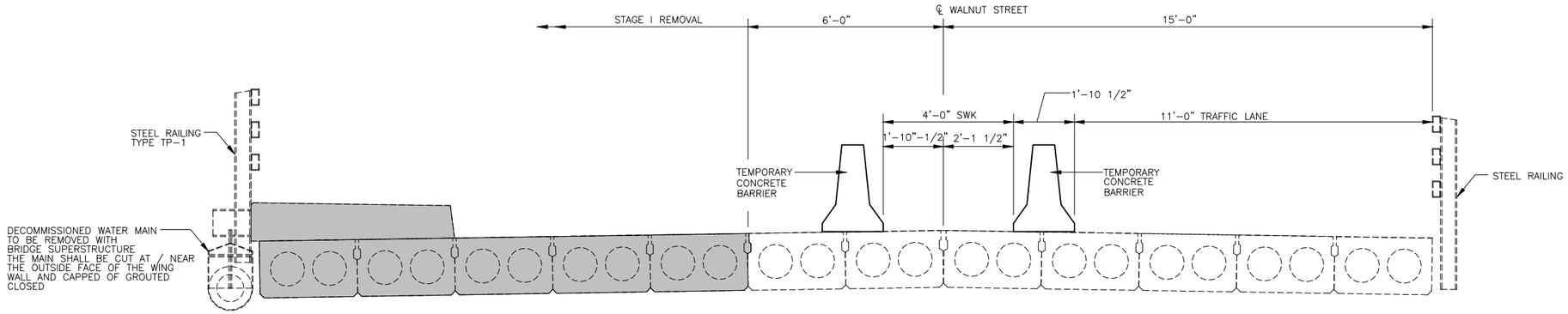
SHEAR KEY CLAMPING DETAILS AT STAGE CONST. JT.

See stage construction details for traffic lanes.

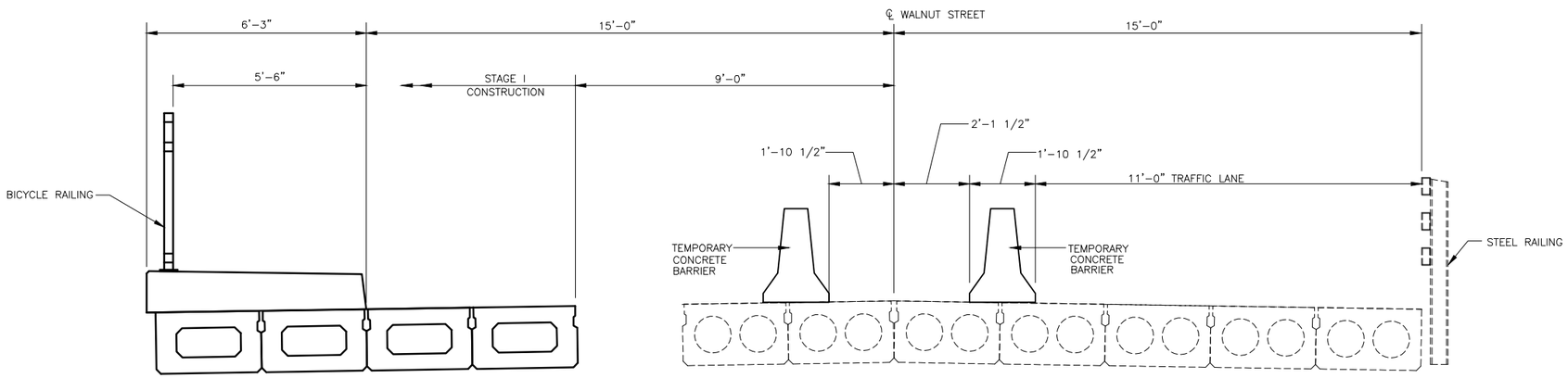
** Cast semicircular recesses in the sides of each beam adjacent to the stage construction line. These recesses should align to form a hole at the appropriate locations for the clamping device bolts.

BILL OF MATERIAL

TEMPORARY SHEET PILING	SOFT	133



STAGE I TRAFFIC & REMOVAL



STAGE I TRAFFIC & CONSTRUCTION

SHEET 6 OF 32 "CONTRACT NO. 87852

DRAWN BY: JKC	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 07/2022				

Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

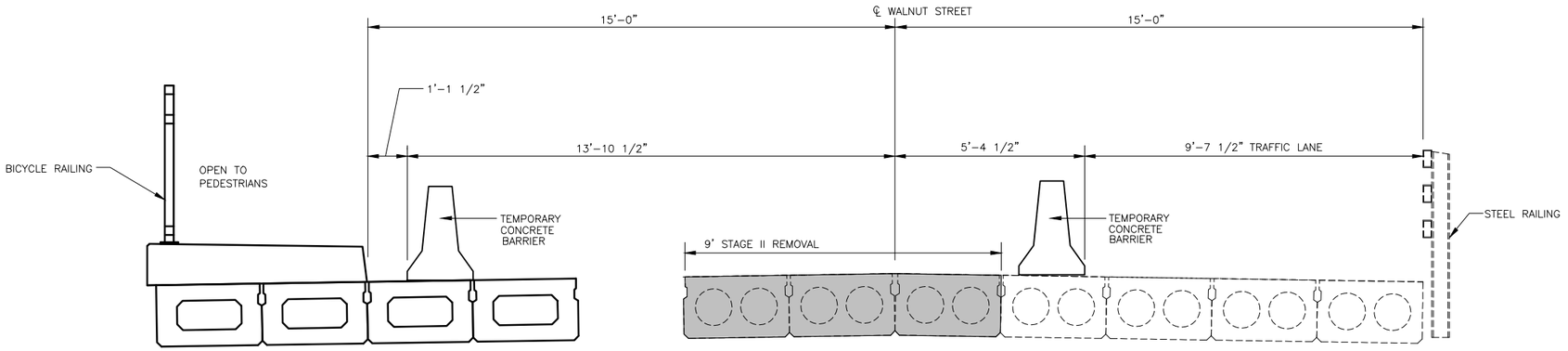
WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

BRIDGE STAGE CONSTRUCTION
STRUCTURE NO. 050-7301

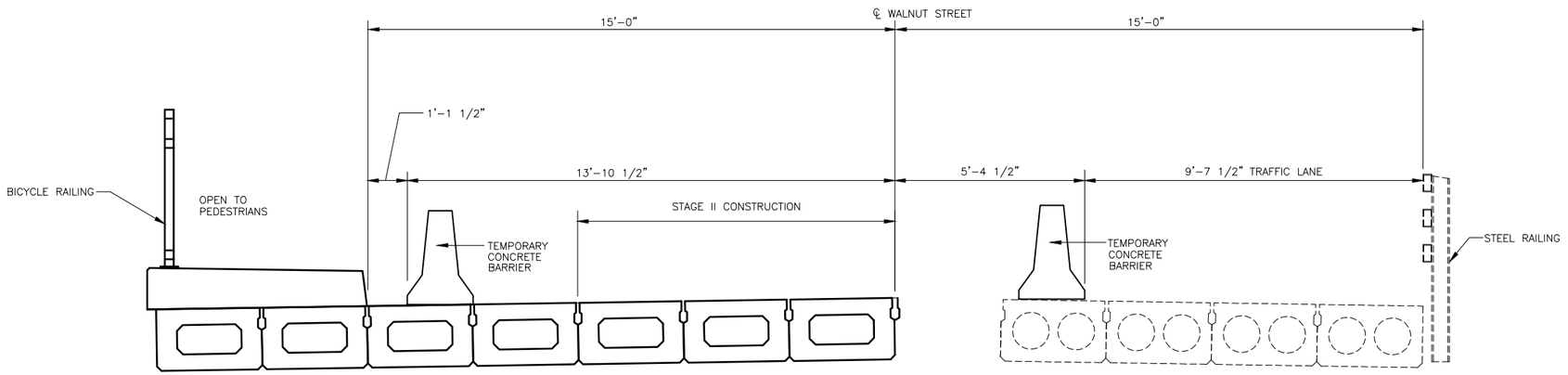
CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024	
SCALE: AS NOTED	SHEET 16
FILE NO.: 111489.00 Y–	OF 43

Drawing Name: G:\Users\111\111489-00-Walnut Street Bridge Superstructure Replacement\CAD\015-018-BRIDGE-Stage Construction.dwg Last Modified: Thursday, October 17, 2024 8:55:59 AM Plotted On: Monday, October 21, 2024 1:17:30 PM by Jim Cinard



STAGE II TRAFFIC & REMOVAL

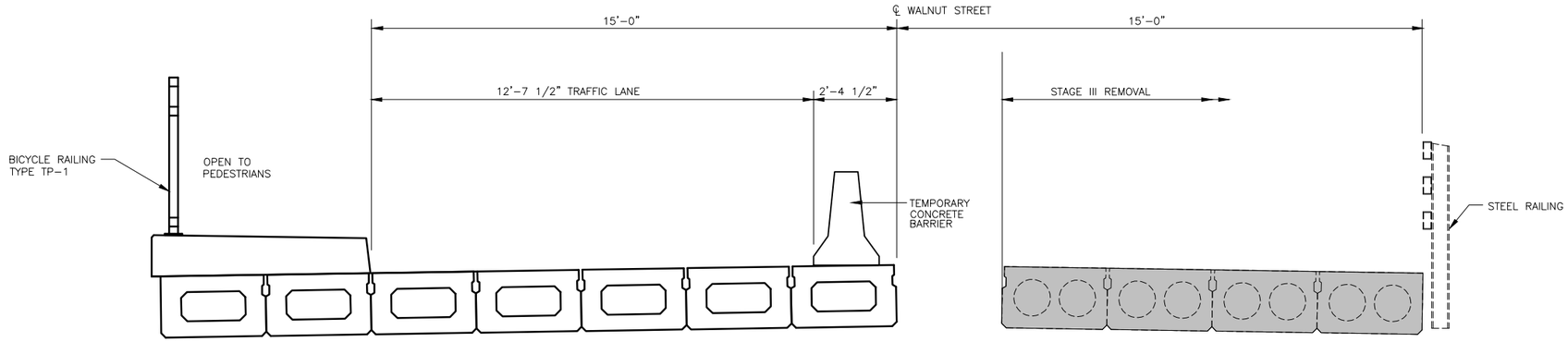


STAGE II TRAFFIC & CONSTRUCTION

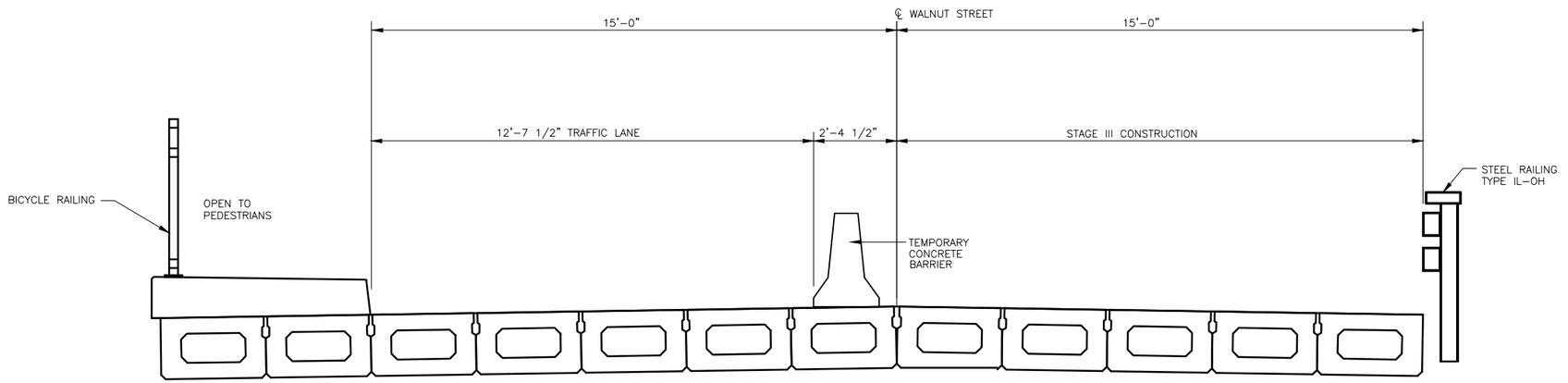
SHEET 7 OF 32 "CONTRACT NO. 87852

DRAWN BY: JKC	REVISIONS			PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	BRIDGE STAGE CONSTRUCTION STRUCTURE NO. 050-7301	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION				SCALE: AS NOTED	SHEET 17
DATE: 07/2022								FILE NO.: 111489.00 Y–	OF 43

Chamlin & Associates



STAGE III TRAFFIC & REMOVAL



STAGE III TRAFFIC & CONSTRUCTION

SHEET 8 OF 32 "CONTRACT NO. 87852

DRAWN BY: JKC	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION	
DATE: 07/2022					

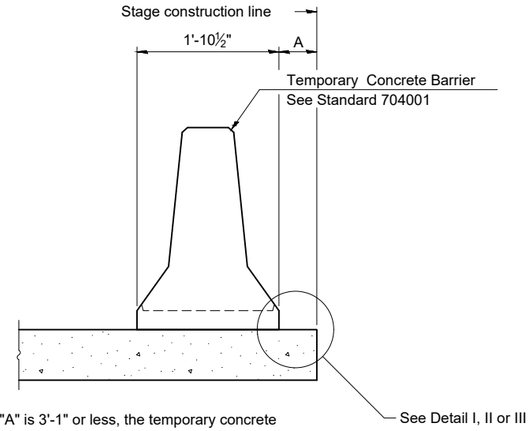
Chamlin & Associates

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

BRIDGE STAGE CONSTRUCTION
STRUCTURE NO. 050-7301

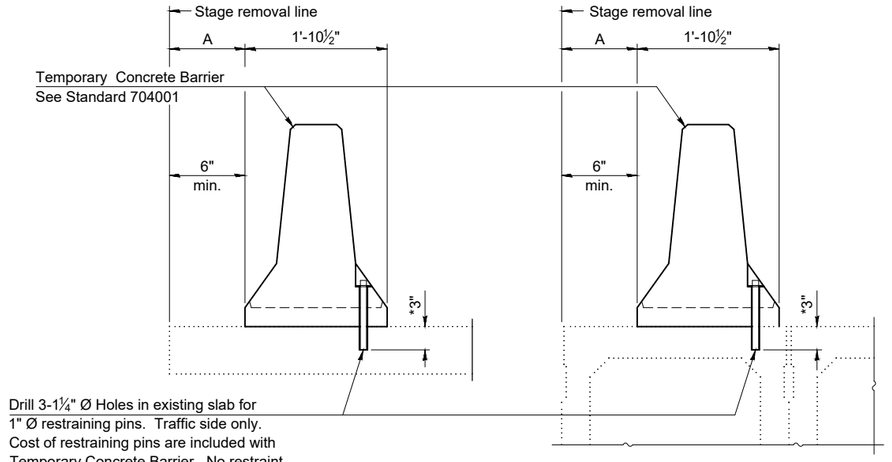
CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024	
SCALE: AS NOTED	SHEET 18
FILE NO.: 111489.00 Y–	OF 43



When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

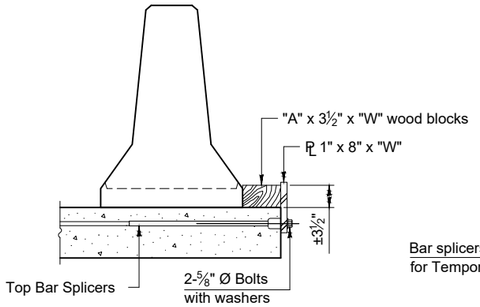


EXISTING SLAB

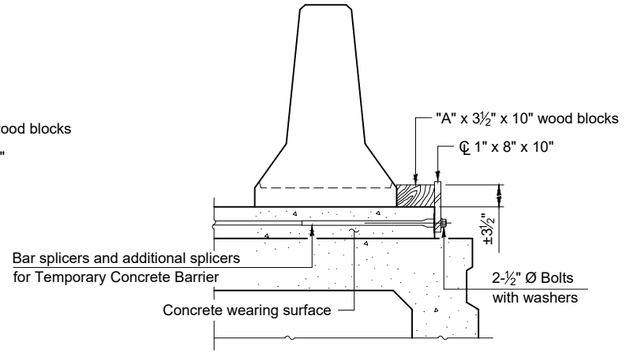
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

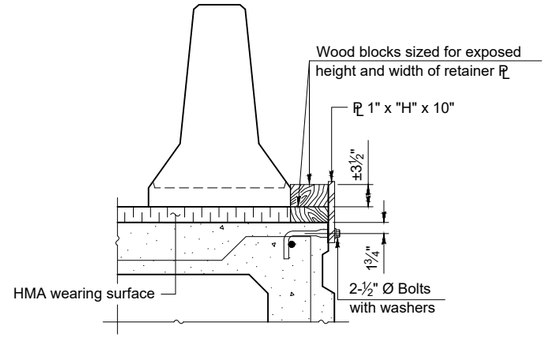
SECTIONS THRU SLAB OR DECK BEAM



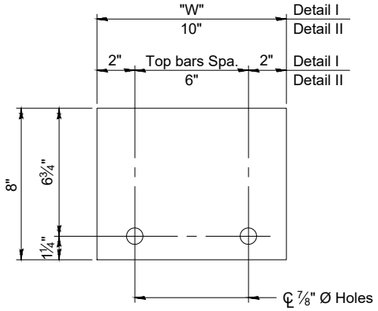
DETAIL I



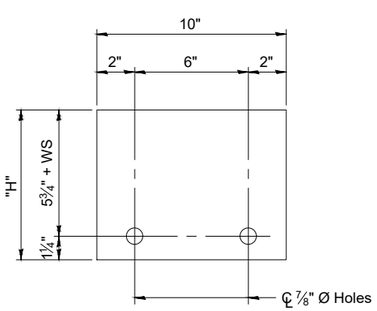
DETAIL II



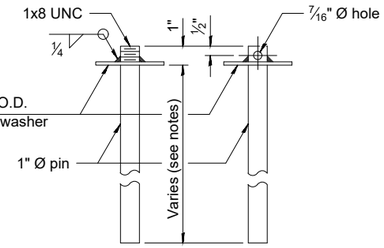
DETAIL III



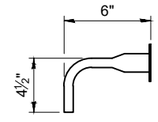
STEEL RETAINER ℄ 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER ℄ 1" x "H" x 10"
(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

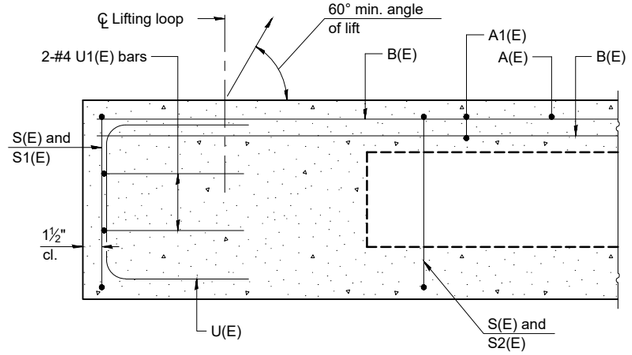
RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

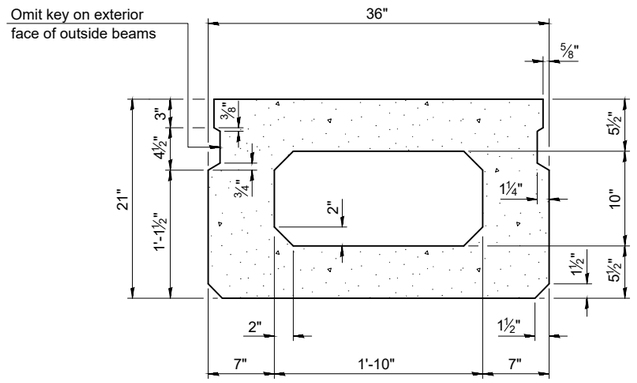
R-27

5-15-2023

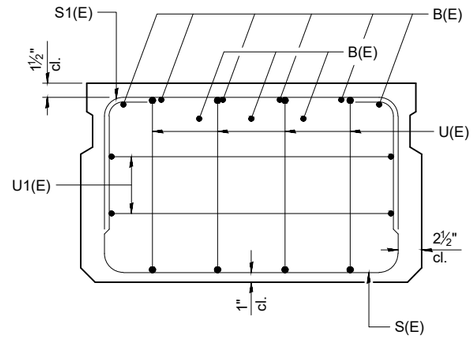
DRAWN BY: DS	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	TEMPORARY CONCRETE BARRIER STRUCTURE NO. 050-7301	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates				SCALE: AS NOTED	SHEET 19
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43



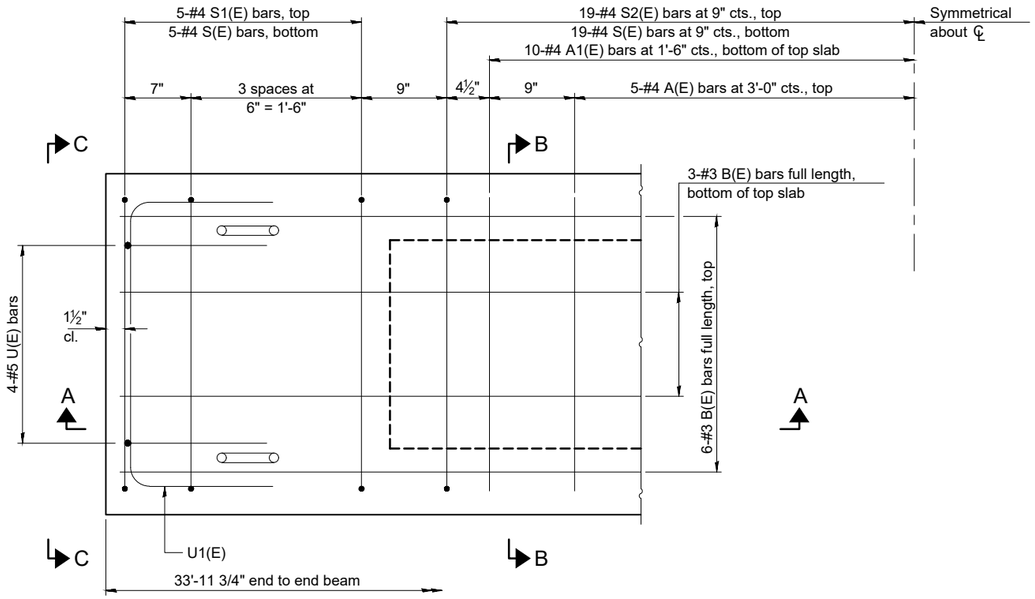
SECTION A-A



SECTION B-B
(Showing dimensions)

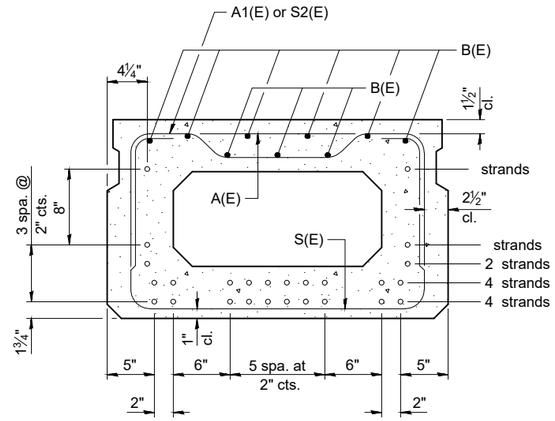


VIEW C-C



PLAN VIEW

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP
#3 bar = 1'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

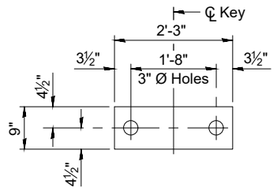
Bar	No.	Size	Length	Shape
A(E)	10	#4	2'-7"	
A1(E)	20	#4	2'-10"	
B(E)	9	#3	33'-8"	
S(E)	48	#4	6'-5"	
S1(E)	10	#4	4'-11"	
S2(E)	38	#4	5'-2"	
U(E)	8	#5	4'-0"	
U1(E)	4	#4	5'-0"	

Note:
See sheet 11 of 32 for additional details and Bill of Material.
See sheet 3 of 32 for additional details for beams under sidewalk.

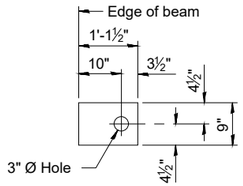
PD-2136-0 5-15-2023

SHEET 10 OF 32 "CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	21" x 36" PPC DECK BEAM STRUCTURE NO. 050-7301 SPAN 1	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 20
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43



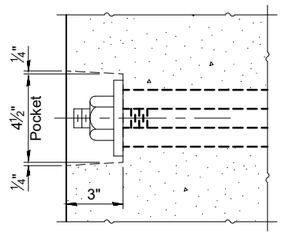
FABRIC BEARING PAD
(Interior)



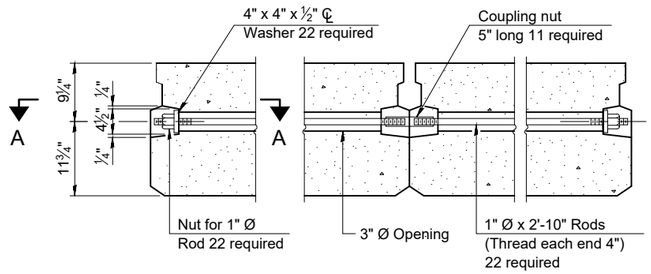
FABRIC BEARING PAD
(Exterior)

FIXED

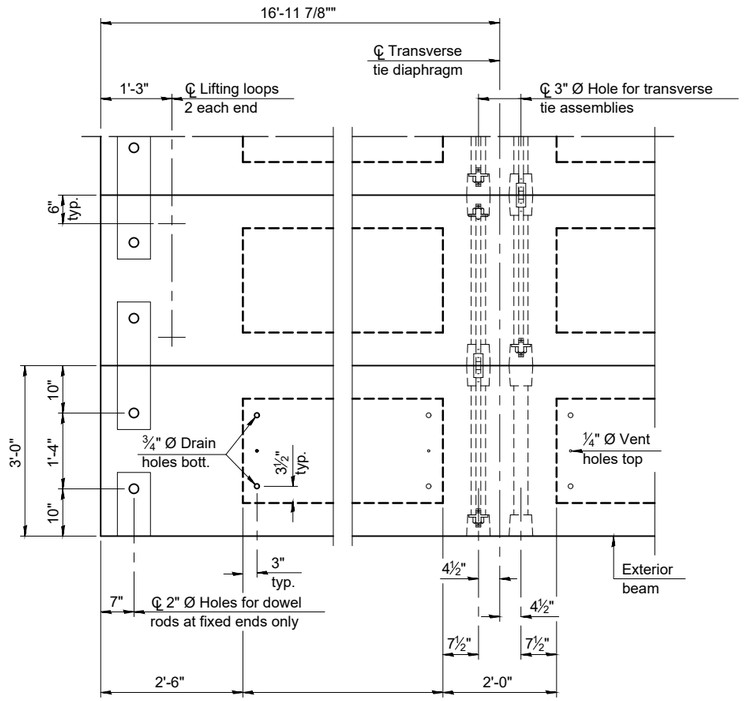
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.



SECTION A-A

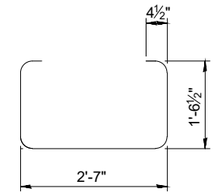


TYPICAL TRANSVERSE TIE ASSEMBLY

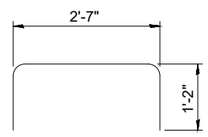


PLAN VIEW

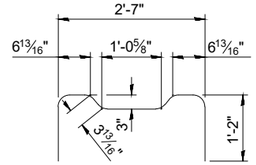
Note:
Connect beams in pairs with the transverse tie configuration shown.



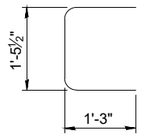
BAR S(E)



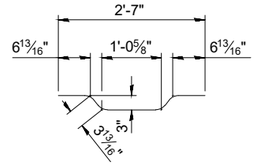
BAR S1(E)



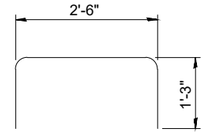
BAR S2(E)



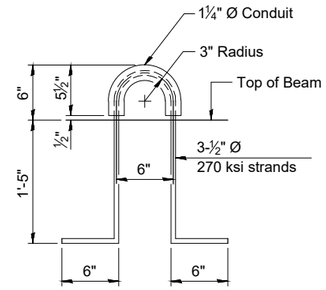
BAR U(E)



BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f 'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f 'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1223

PDD-2136-0 5-15-2023

SHEET 11 OF 32 "CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

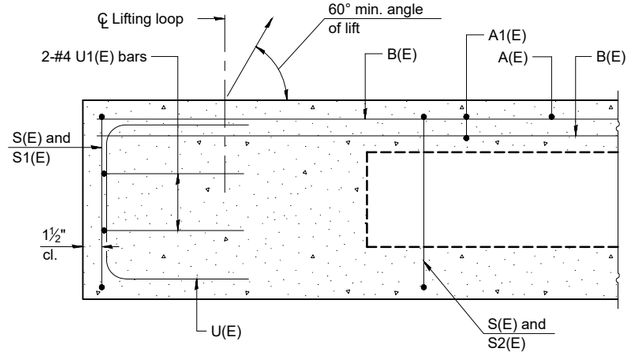
Chamlin & Associates
PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

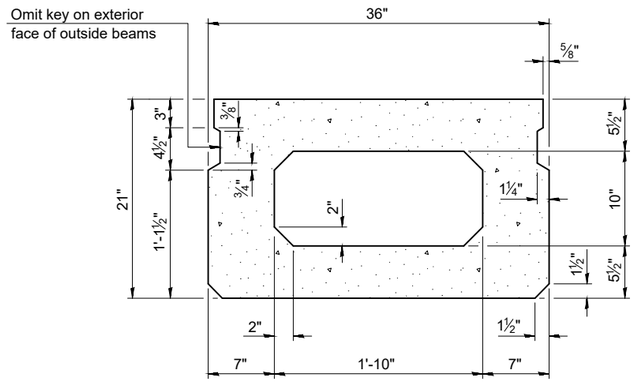
21" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 050-7301 SPAN 1

CONSTRUCTION PLANS

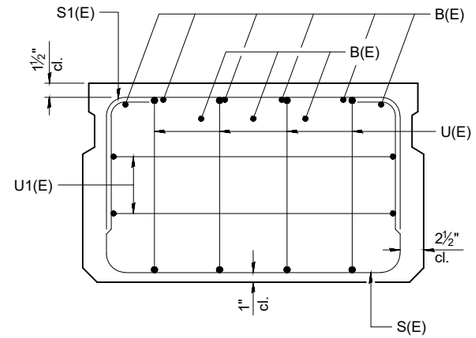
CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
SHEET 21
FILE NO.: 111489.00 Y–
OF 43



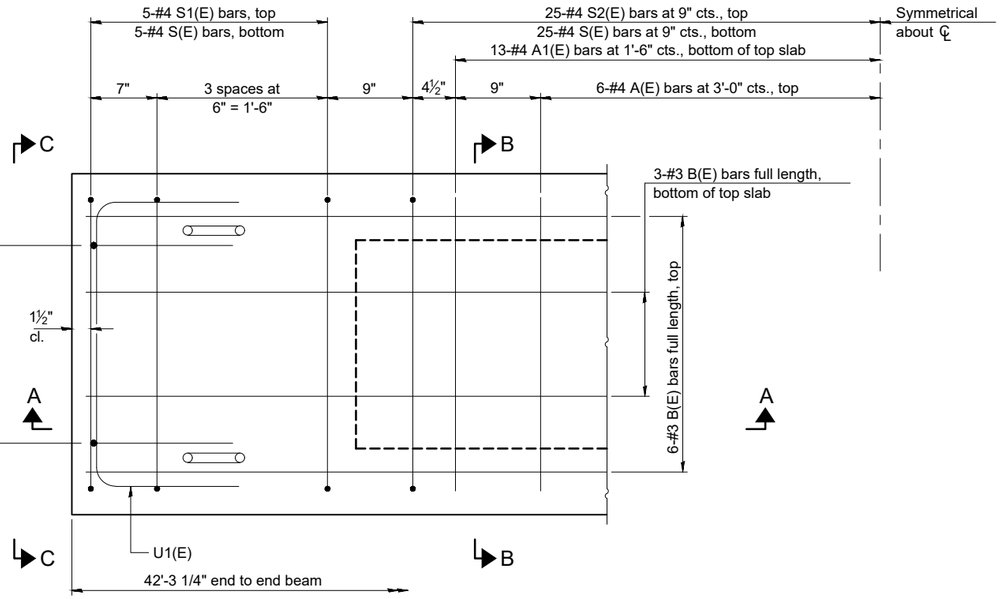
SECTION A-A



SECTION B-B
(Showing dimensions)

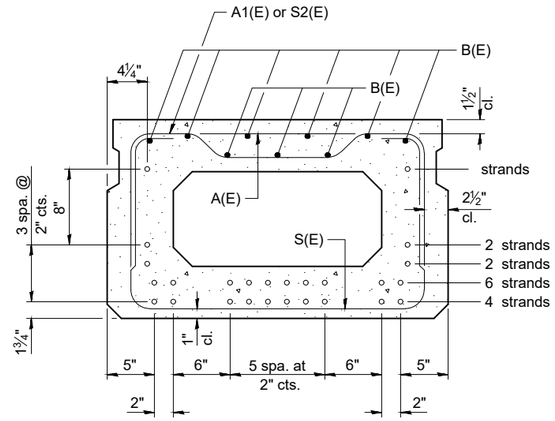


VIEW C-C



PLAN VIEW

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP
#3 bar = 1'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	13	#4	2'-7"	
A1(E)	25	#4	2'-10"	
B(E)	9	#3	42'-0"	
S(E)	60	#4	6'-5"	
S1(E)	10	#4	4'-11"	
S2(E)	50	#4	5'-2"	
U(E)	8	#5	4'-0"	
U1(E)	4	#4	5'-0"	

Note:
See sheet 13 of 32 for additional details and Bill of Material.
See sheet 3 of 32 for additional details for beams under sidewalk.

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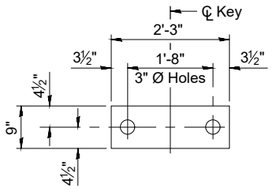
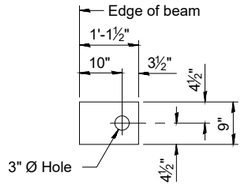
SHEET 12 OF 32 "CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	21" x 36" PPC DECK BEAM STRUCTURE NO. 050-7301 SPAN 2	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 22
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43



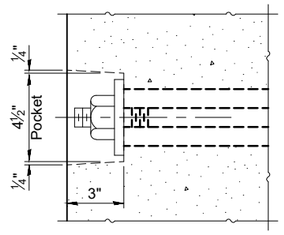
FABRIC BEARING PAD
(Interior)



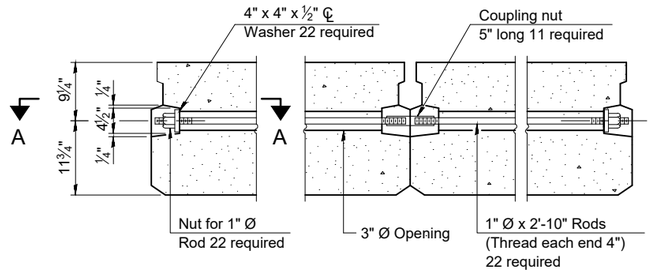
FABRIC BEARING PAD
(Exterior)

FIXED

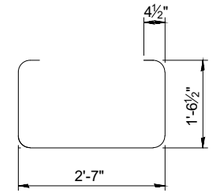
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.



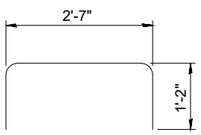
SECTION A-A



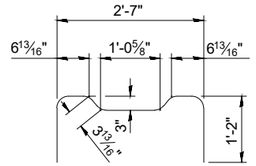
TYPICAL TRANSVERSE TIE ASSEMBLY



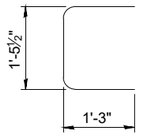
BAR S(E)



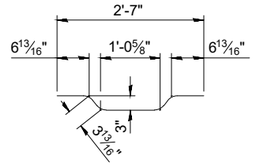
BAR S1(E)



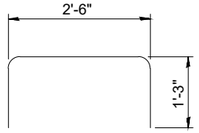
BAR S2(E)



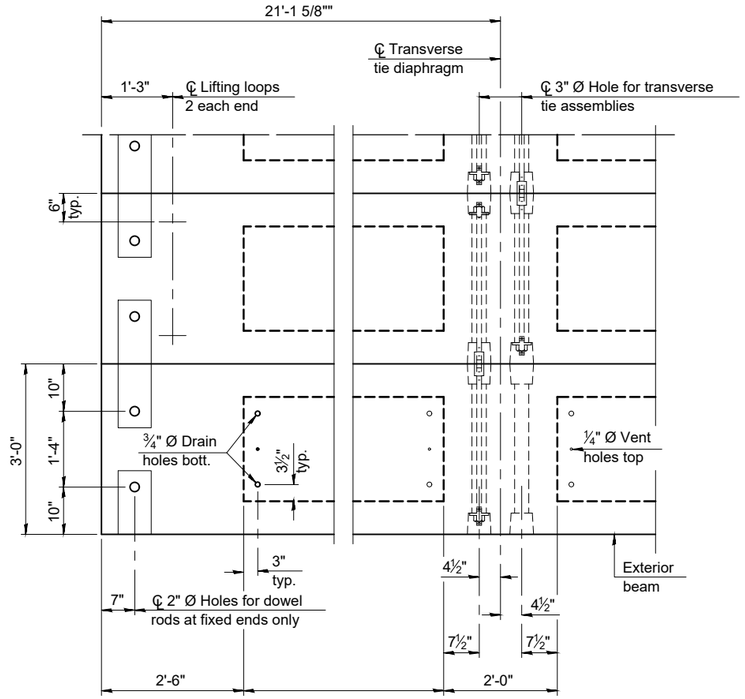
BAR U(E)



BAR A1(E)

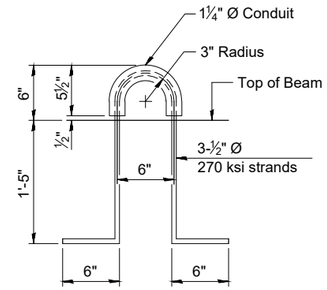


BAR U1(E)



PLAN VIEW

Note:
Connect beams in pairs with the transverse tie configuration shown.



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f 'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f 'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1522

PDD-2136-0 5-15-2023

SHEET 13 OF 32 "CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS			
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

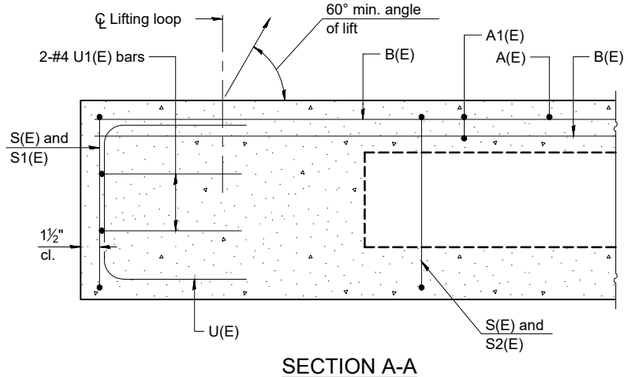
Chamlin & Associates
PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

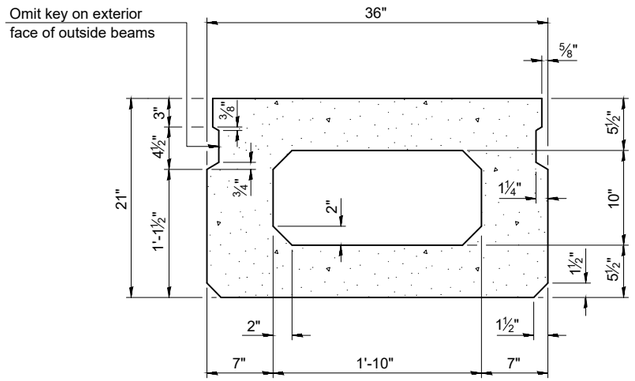
21" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 050-7301 SPAN 2

CONSTRUCTION PLANS

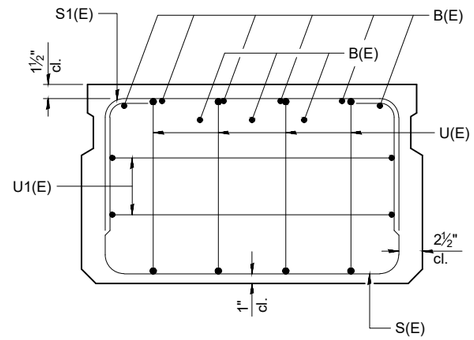
CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
SHEET 23
FILE NO.: 111489.00 Y–
OF 43



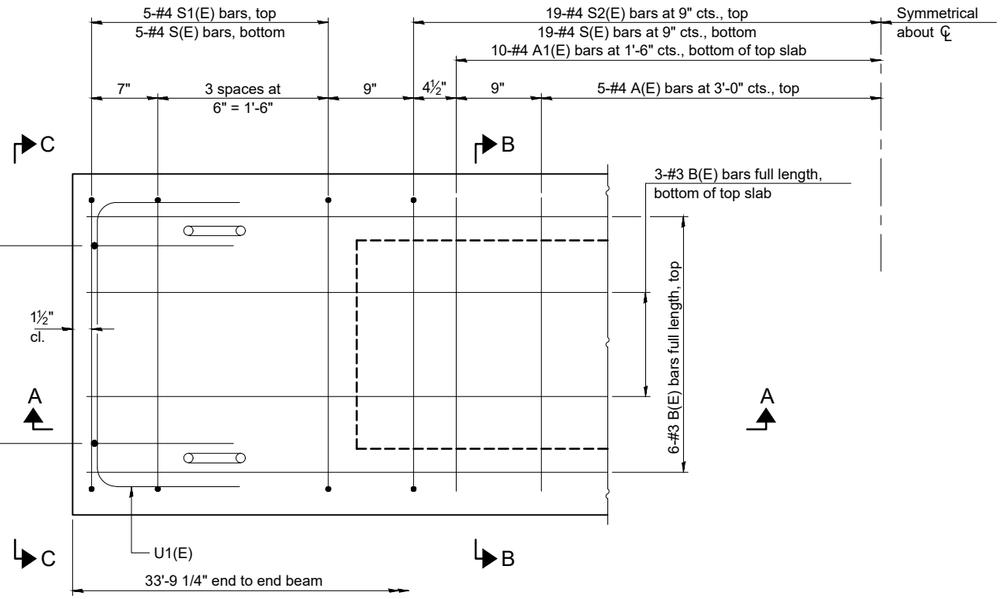
SECTION A-A



SECTION B-B
(Showing dimensions)

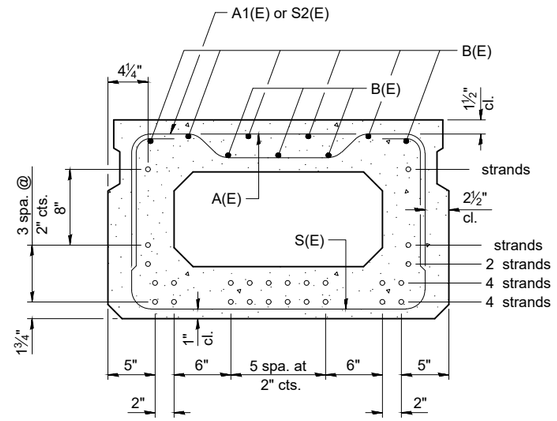


VIEW C-C



PLAN VIEW

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note:
Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP
#3 bar = 1'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

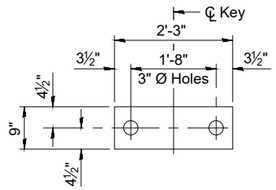
Bar	No.	Size	Length	Shape
A(E)	10	#4	2'-7"	
A1(E)	20	#4	2'-10"	
B(E)	9	#3	33'-5"	
S(E)	48	#4	6'-5"	
S1(E)	10	#4	4'-11"	
S2(E)	38	#4	5'-2"	
U(E)	8	#5	4'-0"	
U1(E)	4	#4	5'-0"	

Note:
See sheet 15 of 32 for additional details and Bill of Material.
See sheet 3 of 32 for additional details for beams under sidewalk.

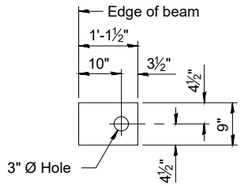
PD-2136-0 5-15-2023

SHEET 14 OF 32 "CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-0021-00-BR LASALLE COUNTY	21" x 36" PPC DECK BEAM STRUCTURE NO. 050-7301 SPAN 3	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 24
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43



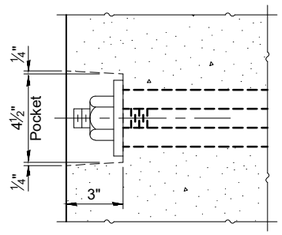
FABRIC BEARING PAD
(Interior)



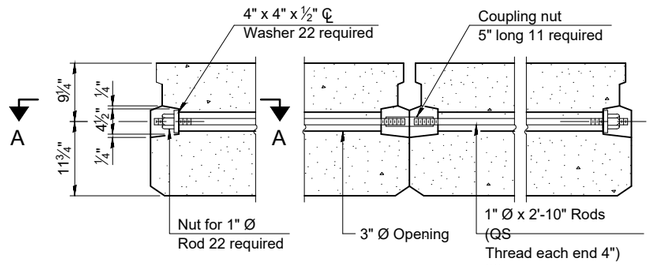
FABRIC BEARING PAD
(Exterior)

FIXED

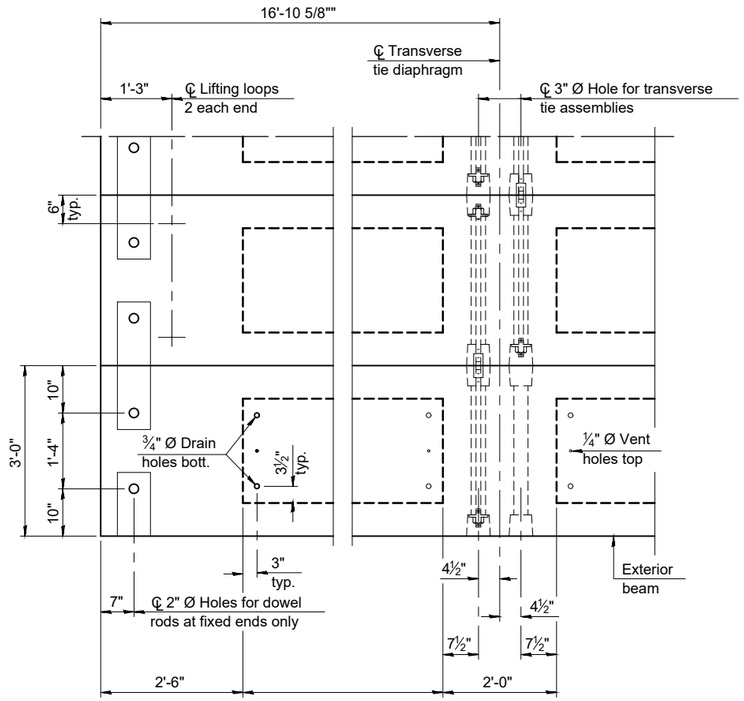
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.



SECTION A-A

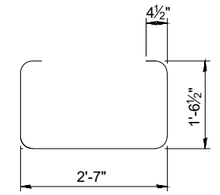


TYPICAL TRANSVERSE TIE ASSEMBLY

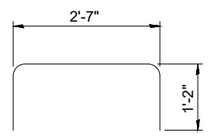


PLAN VIEW

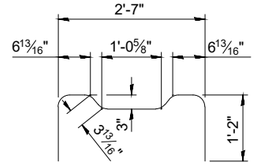
Note:
Connect beams in pairs with the transverse tie configuration shown.



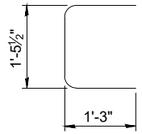
BAR S(E)



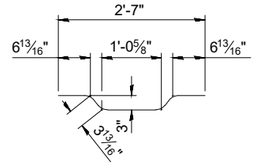
BAR S1(E)



BAR S2(E)



BAR U(E)



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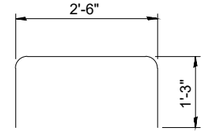
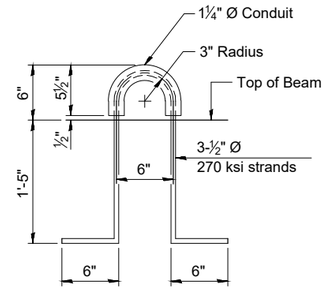


BAR U1(E)



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f 'c, shall be 6000 psi.

Compressive strength of prestressed concrete at release, f 'ci, shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	1216

PDD-2136-0 5-15-2023

SHEET 15 OF 32 "CONTRACT NO. 87852

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CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

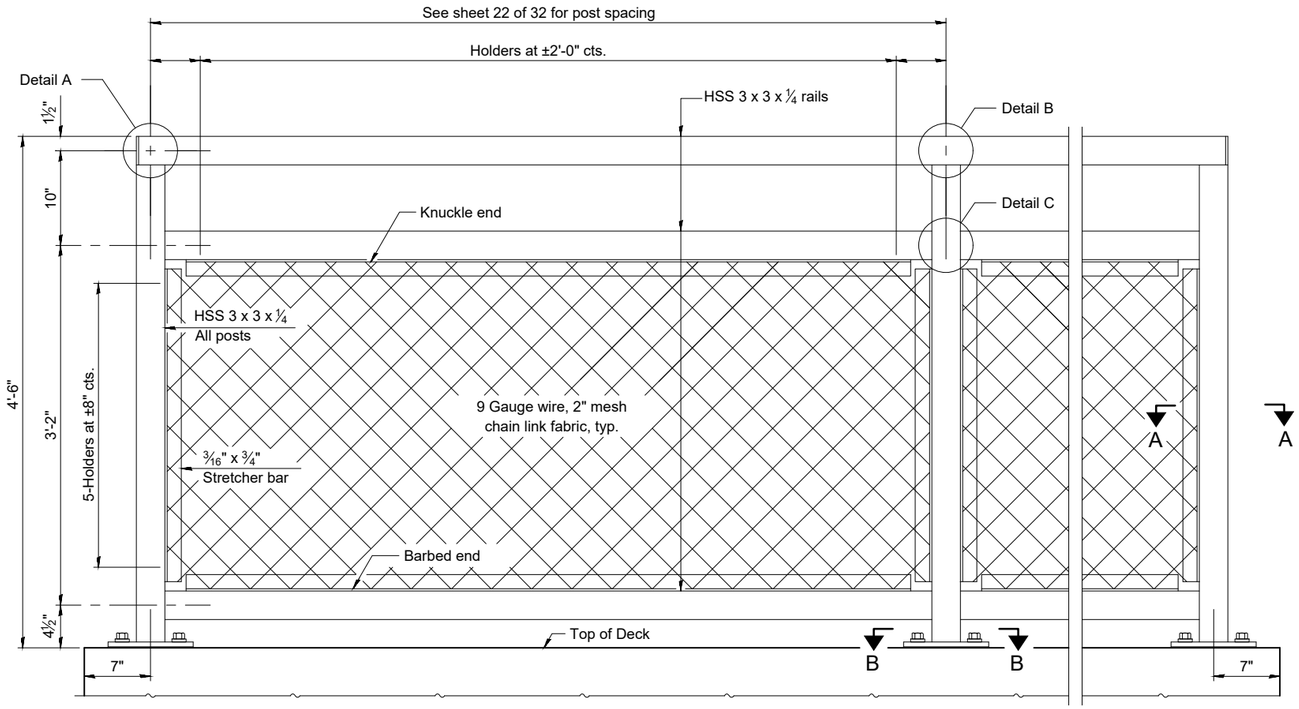
Chamlin & Associates
PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

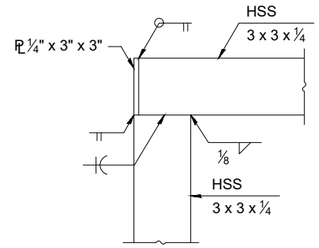
21" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 050-7301 SPAN 3

CONSTRUCTION PLANS

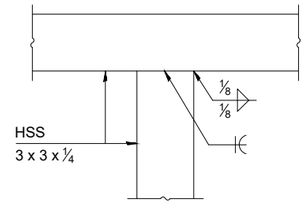
CURRENT AS OF: 10/21/2024	
SCALE: AS NOTED	SHEET 25
FILE NO.: 111489.00 Y–	OF 43



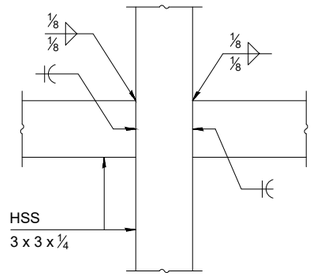
ELEVATION BICYCLE RAILING
(Inside face)



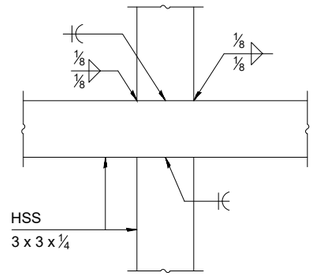
DETAIL A



DETAIL B



DETAIL C



DETAIL D

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

R-29 5-15-2023

(SHEET 1 OF 2) SHEET 16 OF 32 "CONTRACT NO. 87852

DRAWN BY: JKC
CHECKED BY: JKC
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REVISIONS

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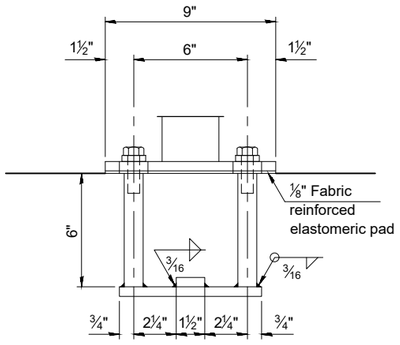
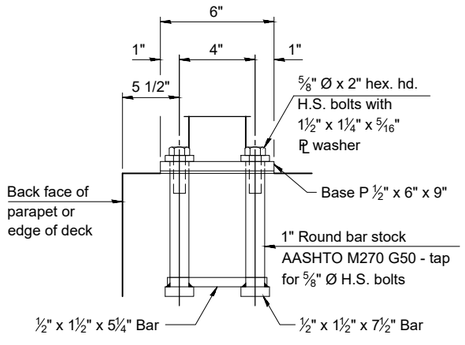
WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

BICYCLE RAILING
STRUCTURE NO. 050-7301

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED | SHEET 26
FILE NO.: 111489.00 Y– | OF 43

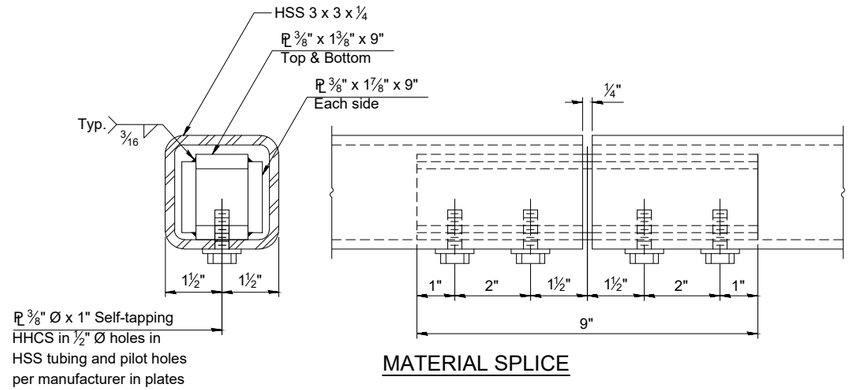




ANCHORAGE ASSEMBLY

The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

CVN testing is not required for the HSS tubing used in the Bicycle Railing.

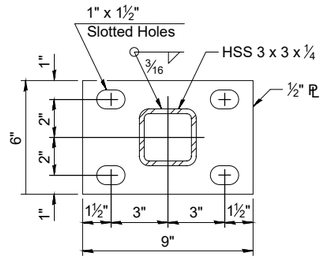
All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

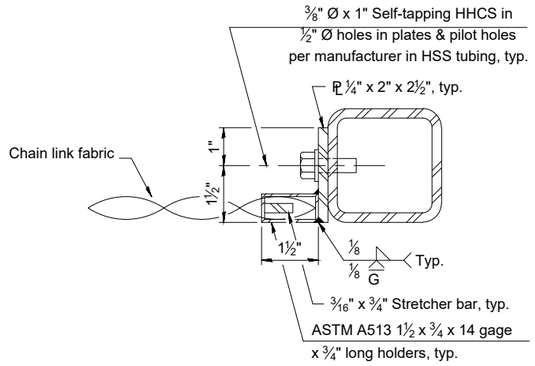
The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

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



SECTION B-B



SECTION A-A

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	109

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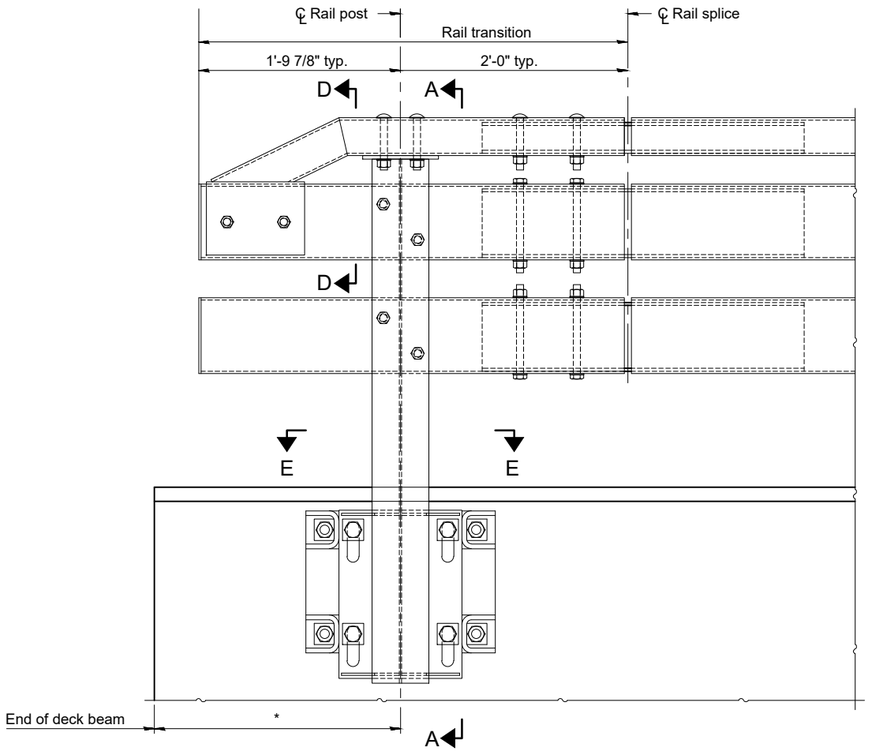
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION					SCALE: AS NOTED	SHEET 27
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43

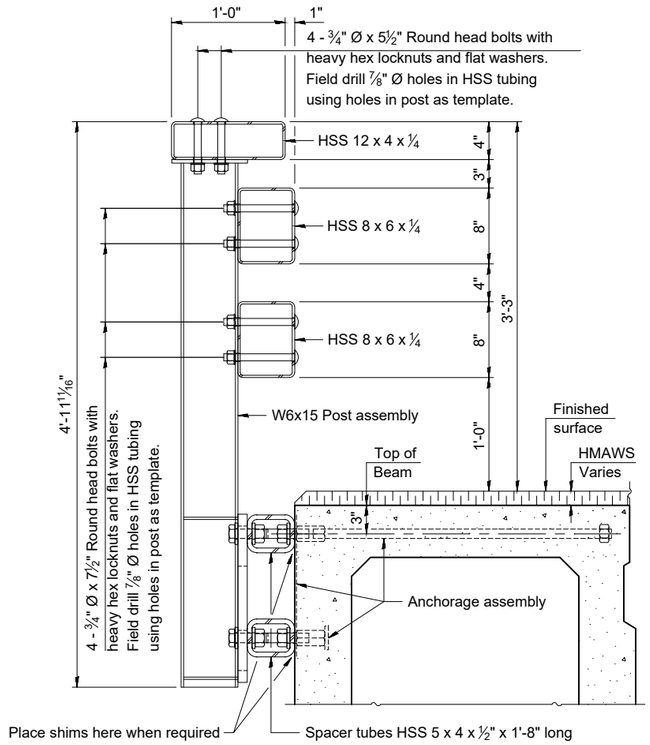
Chamlin & Associates

Drawing Name: G:\Users\V1\111489-00-Walnut Street Bridge Superstructure Replacement\CAD\026-031-RAILING DETAILS.dwg Last Modified: Wednesday, October 16, 2024 4:23:32 PM Plotted On: Monday, October 21, 2024 1:05:50 PM by Jim Cinard

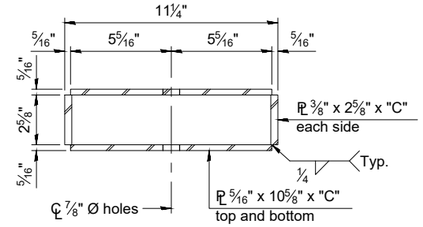


OUTSIDE ELEVATION OF RAIL

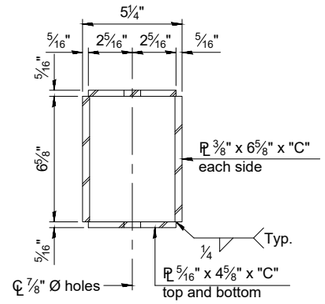
* 3'-0" at abutments; 3'-0" min. at piers



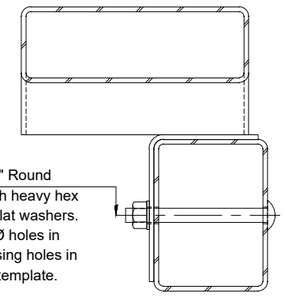
SECTION A-A



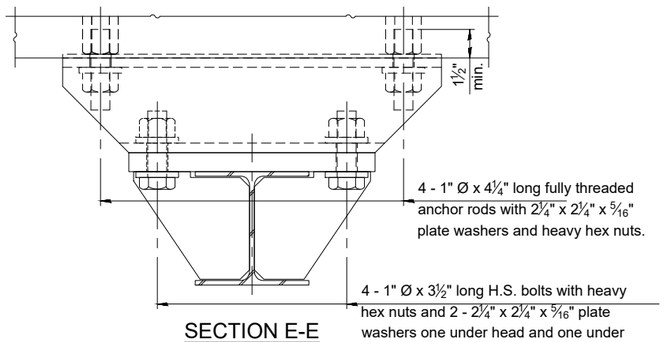
SECTION B-B



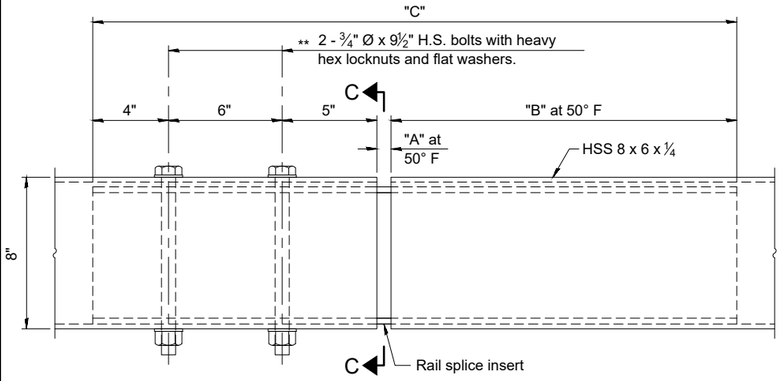
SECTION C-C



SECTION D-D

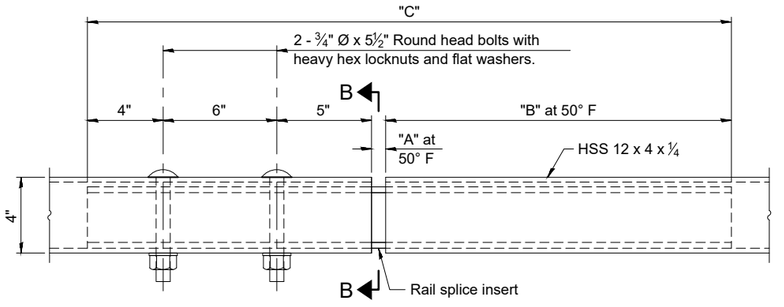


SECTION E-E

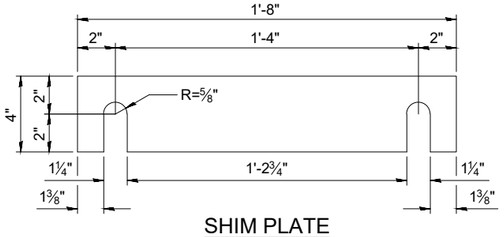


MIDDLE & BOTTOM RAIL SPLICE ELEVATION

** Bolt orientation shown for middle rail. Flip for bottom rail.



TOP RAIL SPLICE ELEVATION



SHIM PLATE

SPLICE DIMENSIONS

Location	T	A	B	C
All locs. not over exp. jts.	0	½"	1'-6"	2'-9½"
Over Strip Seal Jt.	≤4"	2½"	1'-8"	3'-1½"

T = ; total movement along centerline of roadway at expansion joint.

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DATE: 01/2024

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WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

STEEL RAILING, TYPE IL-OH
STRUCTURE NO. 050-7301

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
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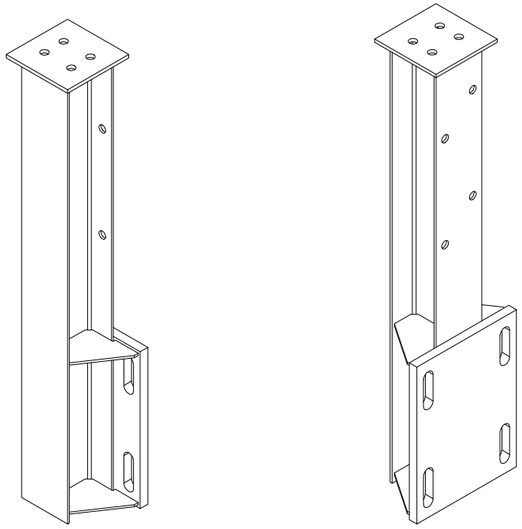
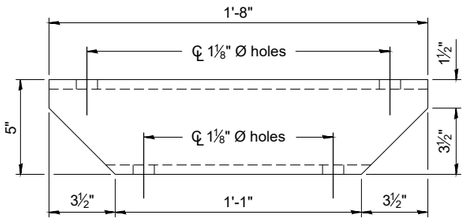
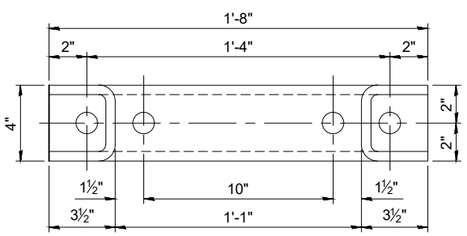
OF 43



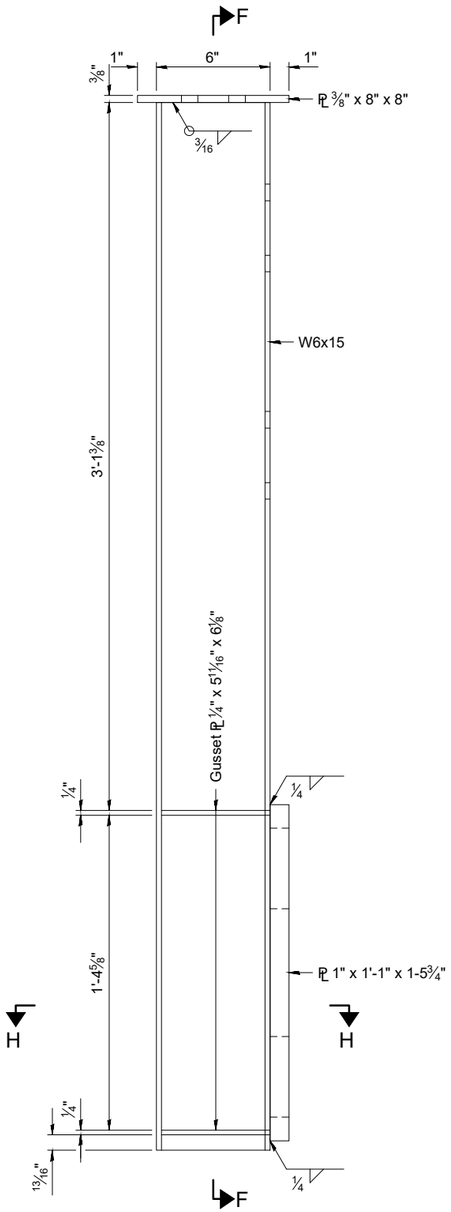
ISOMETRIC VIEWS POST ASSEMBLY



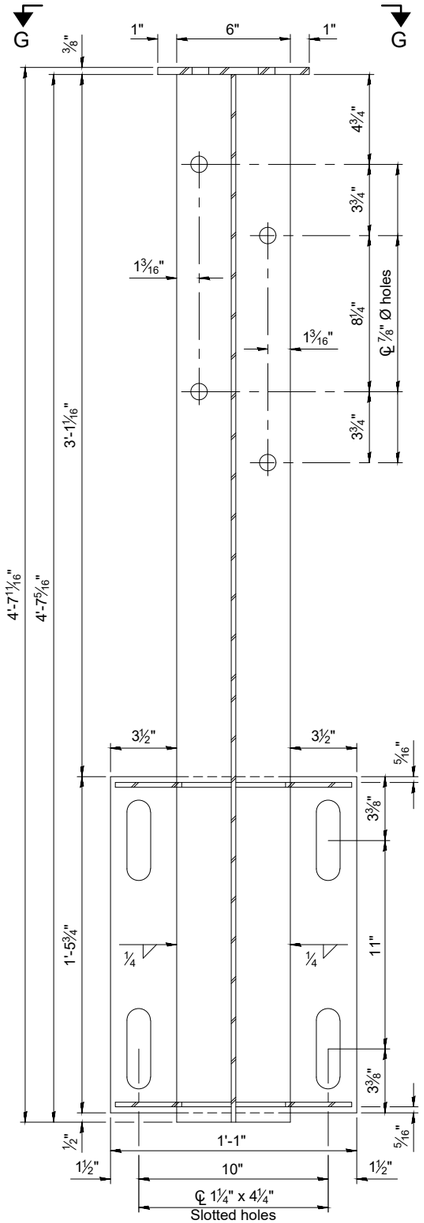
SPACER TUBE PLAN



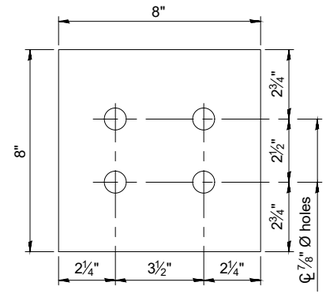
SPACER TUBE ELEVATION



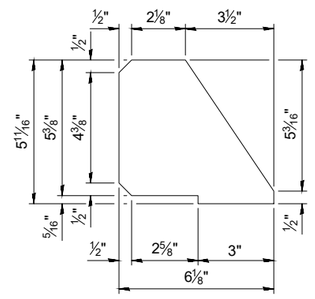
SIDE ELEVATION POST ASSEMBLY



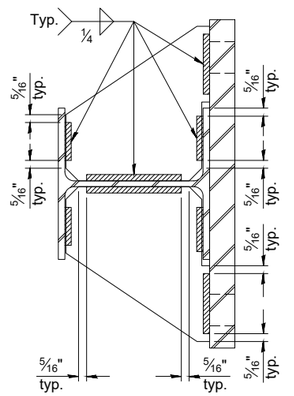
SECTION F-F



VIEW G-G
(Showing top plate)



GUSSET PLATE



SECTION H-H
(Showing gusset plate welds)

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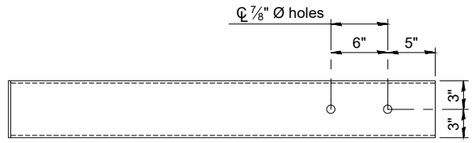
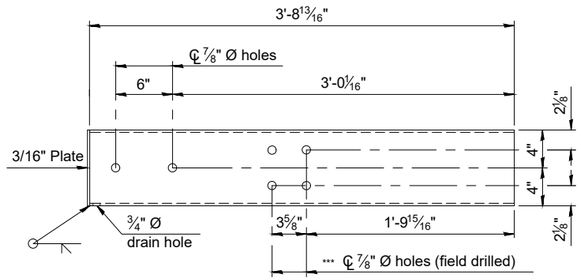
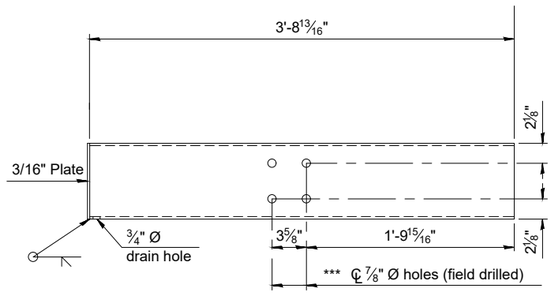
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates				SCALE: AS NOTED	SHEET 29
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43



PLAN OF MIDDLE AND BOTTOM RAIL TRANSITION

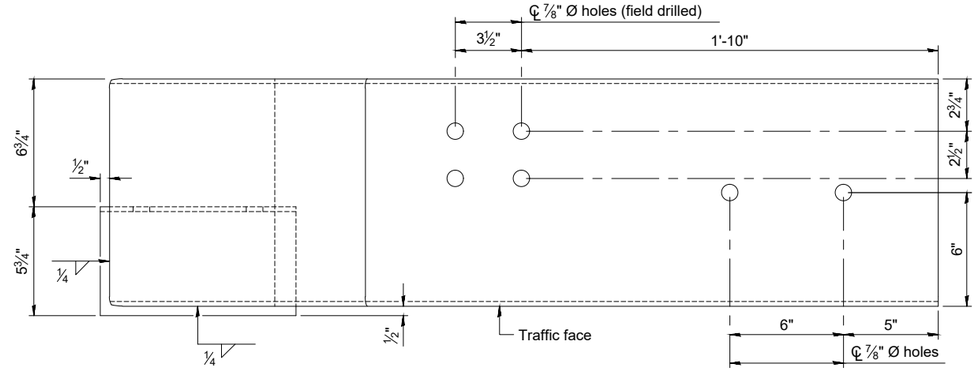


INSIDE ELEVATION OF LEFT MIDDLE RAIL TRANSITION

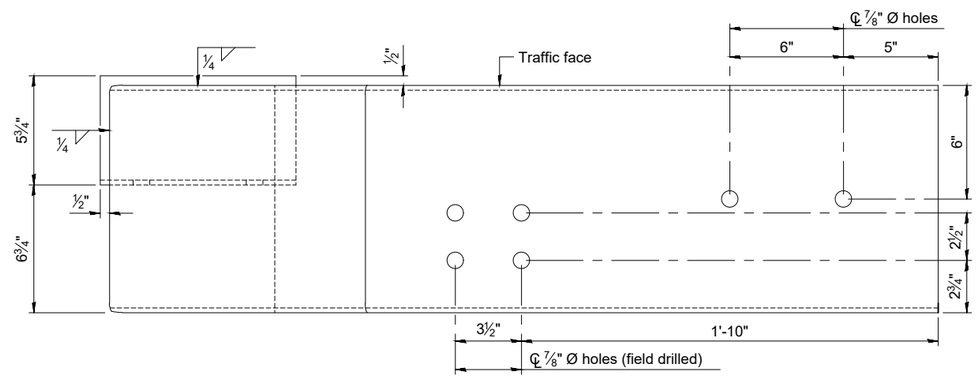


INSIDE ELEVATION OF LEFT BOTTOM RAIL TRANSITION

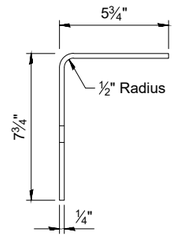
*** Hole orientation is flipped as shown with the dashed holes for the right side piece.



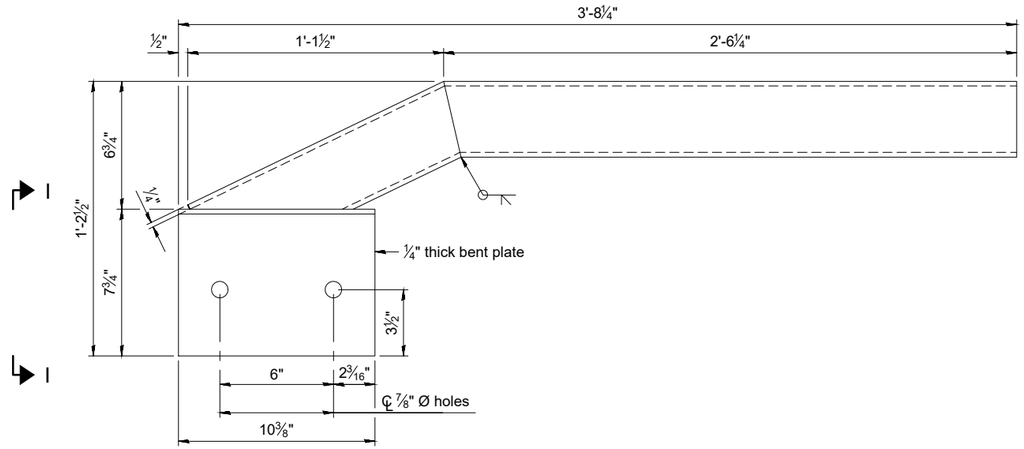
PLAN OF LEFT TOP RAIL TERMINATION ASSEMBLY



PLAN OF RIGHT TOP RAIL TERMINATION ASSEMBLY



VIEW I-I



INSIDE ELEVATION OF LEFT TOP RAIL TERMINATION ASSEMBLY
(Right Similar)

(SHEET 3 OF 4) SHEET 20 OF 32 "CONTRACT NO. 87852

R-40HMAWS

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DATE: 01/2024					

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WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

STEEL RAILING, TYPE IL-OH
STRUCTURE NO. 050-7301

CONSTRUCTION PLANS

CURRENT AS OF: 10/21/2024		
SCALE: AS NOTED	SHEET	30
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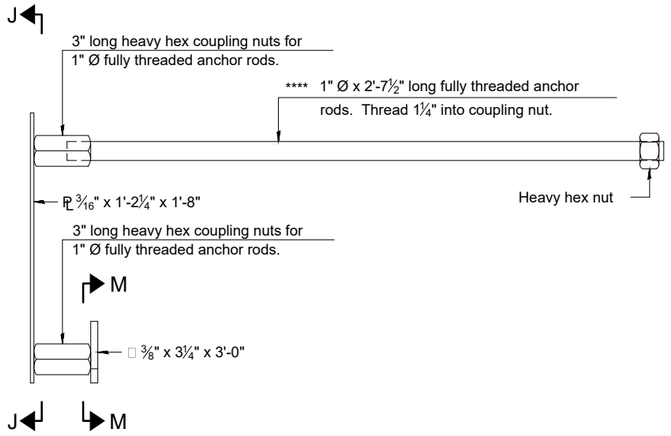
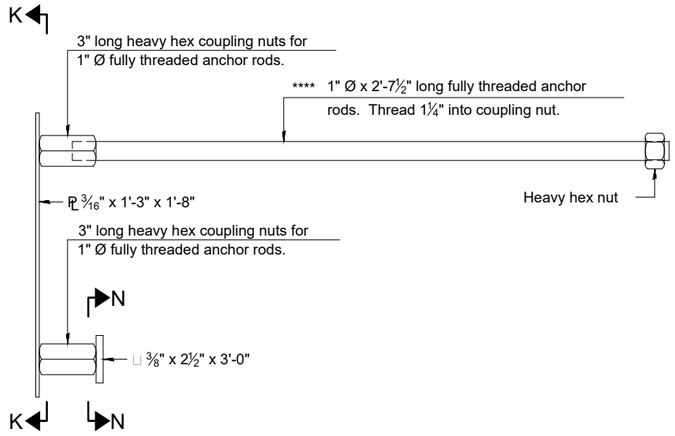
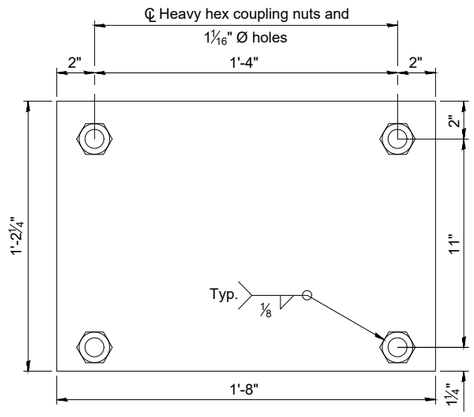




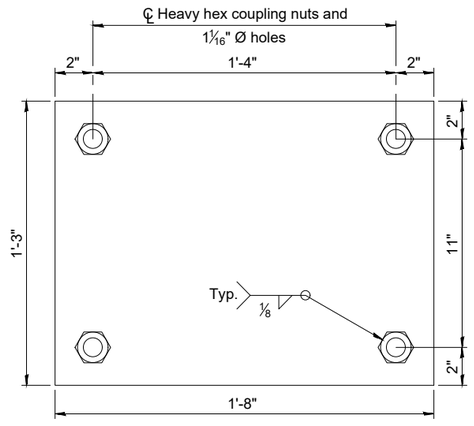
**** For skewed deck beams use 1" Ø x 1'-3" long fully threaded anchor rods at acute corners of beam ends.

ANCHORAGE ASSEMBLY
(for 17" deck beams)

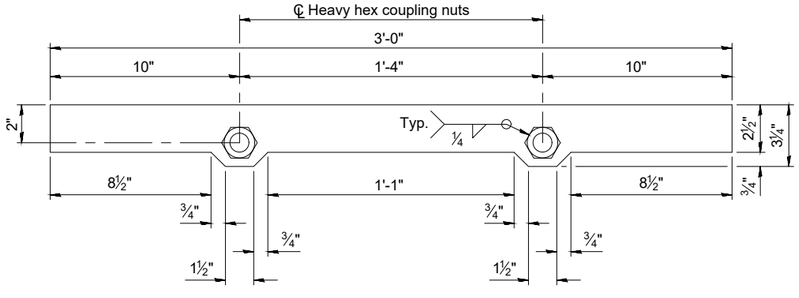


SECTION J-J

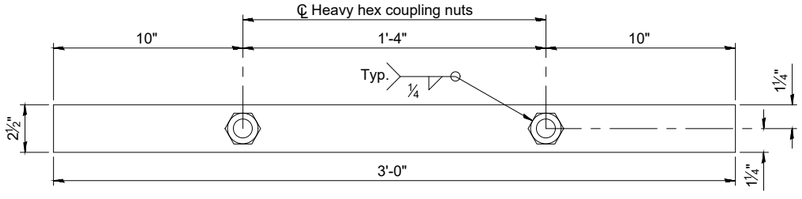
ANCHORAGE ASSEMBLY
(for 21" thru 42" deck beams)



SECTION K-K

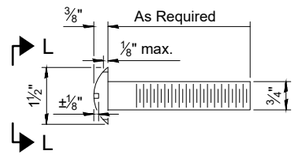


SECTION M-M

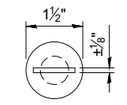


SECTION N-N

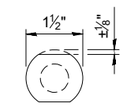
Notes:
All plates shall be AASHTO M270 grade 50.
All HSS tubing shall be ASTM A500 grade C.
All heavy hex nuts including heavy hex coupling nuts shall be according to ASTM A563 grade DH.
All fully threaded anchor rods shall be ASTM F1554 grade 105.
All round head bolts shall be ASTM A449.
All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.
Rail splice inserts may be built out of 2 – ⅜" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.
One 3/16" thick shim per post and a sufficient number of shims of various thicknesses, built to the dimensions shown in the shim plate detail, shall be provided to adjust posts for plumbness and horizontal alignment. Cost included with Steel Railing, Type IL-OH.
The spacer tubes shall be fastened to the deck beams snug tight and given an additional ⅓ turn. The 1" diameter high strength bolts used to connect the spacer tubes to the post assemblies shall be tightened according to Article 505.04(f)(2) of the Standard Specifications.
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.



ROUND HEAD BOLT DETAIL



With Slot (shown) or Approved Recess



Without Slot or Recess

VIEW L-L

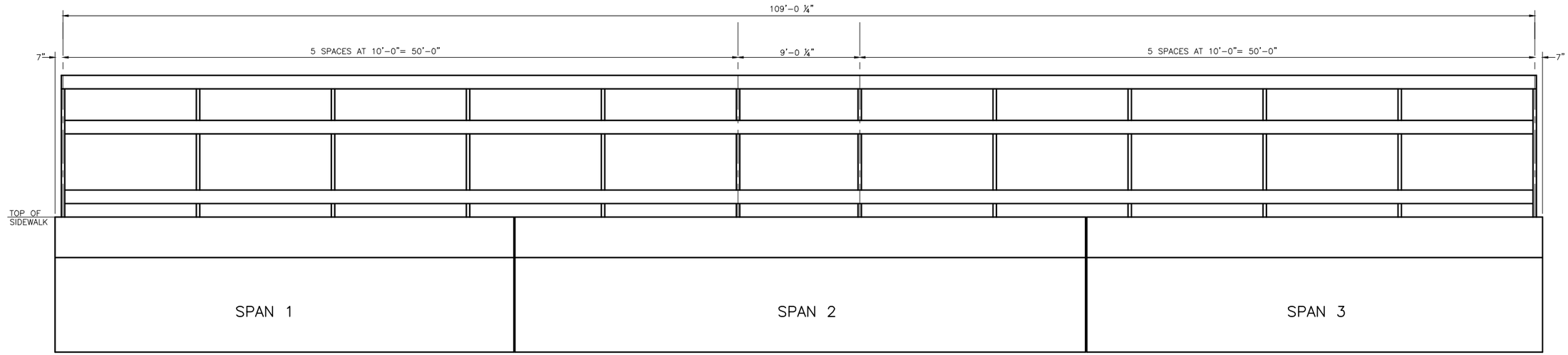
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, (Special)	Foot	108

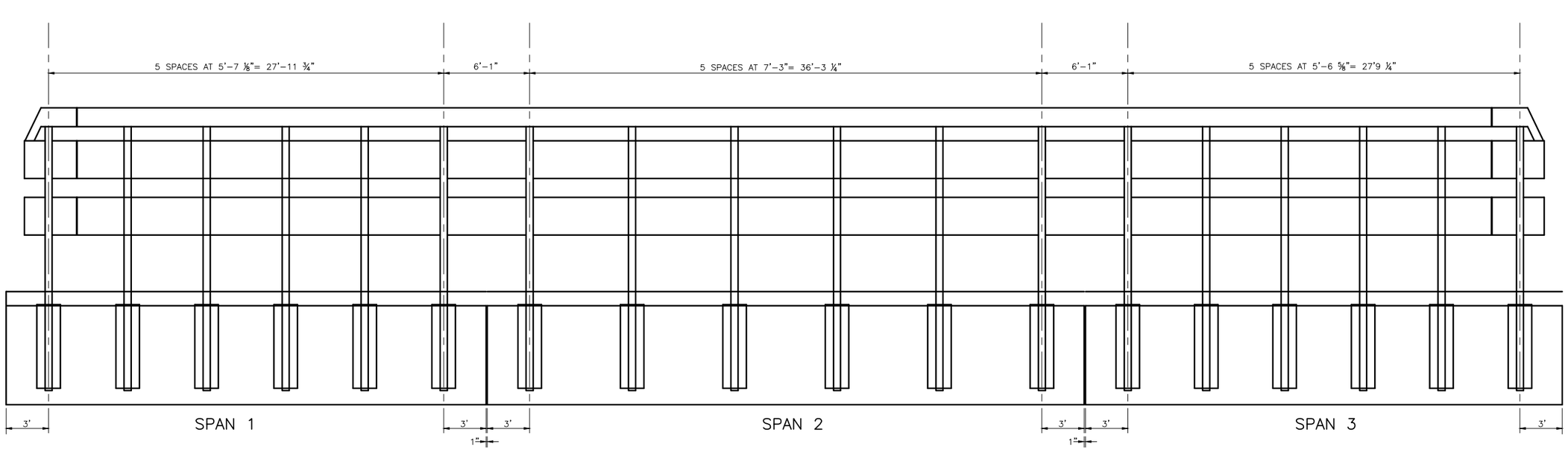
(SHEET 4 OF 4) SHEET 21 OF 32 "CONTRACT NO. 87852

DRAWN BY: JKC	REVISIONS			PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	STEEL RAILING, SPECIAL STRUCTURE NO. 050-7301	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION				SCALE: AS NOTED	SHEET 31
DATE: 01/2024								FILE NO.: 111489.00 Y–	OF 43

Chamlin & Associates



BICYCLE RAILING POST SPACING
(LOOKING NORTH)



STEEL RAILING POST SPACING
(LOOKING NORTH)

SHEET 22 OF 32 "CONTRACT NO. 87852

DRAWN BY: DS	REVISIONS			PERU MORRIS OTTAWA MORTON ILLINOIS	**WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY**	**RAIL POST SPACING STRUCURE NO. 050-7301**	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION				SCALE: AS NOTED	SHEET 32
DATE: 01/2024								FILE NO.: 111489.00 Y-	OF 43

Chamlin & Associates

FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LaSALLE	19	6

*83-00026-00-GS

PROPOSED IMPROVEMENT BEGINS STA 2+30

SCALE: 1"=20' FEET

CATCH BASIN TO BE ADJUSTED W/NEW TY. 3 FR. & GR.

CATCH BASIN SPECIAL W/ SPECIAL FR. & GR. E OUT 596.51

CATCH BASIN SPECIAL W/SPECIAL FR. & GR. E OUT 596.65

AGG. PARKING

TO BE ADJUSTED BY OTHERS

25 L.F. STORM SEWER, TY. 1, 12", @1.00%

E.P. 599.41

STA. 5+00 LT. 41'

TO BE ADJUSTED BY CITY OF OGLESBY

STA. 4+50 LT. 0'

25' SIDEWALK TRANSITION

RAILROAD R.O.W.

STA. 5+50 LT. 49.5'

STA. 5+85 LT. 71.5'

P.E.

15' ROADWAY TRANSITION

TOE OF SLOPE

PROPOSED GRADE SEPARATION STRUCTURE

6' SIDEWALK

℄ PROPOSED IMPROVEMENT

LEVELING BINDER

AGG. BASE COURSE

STREET

(BIT. CONC. SURF.)

WALNUT (CONC. SURF.)

CONC. SWK.

CONC. PSWK.

R.O.W.

T.C. 604.27

T.C. 601.88

T.C. 602.98

T.C. 603.61

T.C. 603.23

T.C. 602.48

T.C. 602.21

20.5' RAD. TO FACE

LIMIT OF IMPROVEMENT RT. 42'

SIDEWALK RAMPS TY. A

TO BE ADJUSTED BY OTHERS

TO BE ADJUSTED BY CITY OF OGLESBY

WATSON

23'x4' WINDOW WELL

BUILDING ENTRANCE

CURVE 1
P.I. STA. 3+00
Δ = 2°-34'-36"
D = 2°-34'-38"
T = 50.00'
L = 99.98'
CHD = 99.97'
E = 0.56'
R = 2223.26'
P.C. STA. 2+50
P.R.C. STA. 3+50

CURVE 2
P.I. STA. 4+00
Δ = 2°-34'-36"
D = 2°-34'-38"
T = 50.00'
L = 99.98'
CHD = 99.97
E = 0.56'
R = 2223.26'
P.R.C. STA. 3+50
P.T. STA. 4+50

32 L.F. STORM SEWER, TY. 1, 12"@1.00%

STA. 4+61 - STA. 5+26 INCIDENTAL BITUMINOUS SURFACING

CURB CURVE 1
P.I. STA. 5+30.75
Δ = 139°-29'-45"
D = 366°-09'-21"
T = 18.75'
L = 31.33'
CHD = 31.24'
E = 1.11'
R = 15.5' TO FACE
P.C. STA. 5+12
P.R.C. STA. 5+49.5

STA. 5+50 RT. 38'
200.00'
TOE OF SLOPE

CURB CURVE 2
P.I. STA. 5+68.25
Δ = 139°-29'-45"
D = 366°-09'-21"
T = 18.75'
L = 31.33'
CHD = 31.24'
E = 1.11'
R = 15.5' TO FACE
P.R.C. STA. 5+49.5
P.T. STA. 5+87

P.E. STA. 5+85 RT. 69'

B.M. "A", ELEV. 604.31, TOP S/8" NUT OF FIRE HYDRANT AT THE S.W. END OF BRIDGE OVER ILL. CENTRAL RAILROAD ON WALNUT STREET

EXISTING ℄ PROFILE

PROPOSED ℄ PROFILE

50' V.C. P.V.I. STA. 3+00 EL. 601.62 e=0.10'

100' V.C. P.V.I. STA. 4+00 EL. 599.10 e=0.66'

50' V.C. P.V.I. STA. 4+80 EL. 601.28 e=0.24'

50' V.C. P.V.I. STA. 5+38 EL. 604.90 e=0.03'

200' V.C. P.V.I. STA. 6+63 EL. 611.15 e=2.50'

-4.22%

-2.51%

+2.38%

+6.48%

+3.00%

615 610 605 600

0 +25 +50 +75 1 +25 +50 +75 2 +25 +50 +75 3 +25 +50 +75 4 +25 +50 +55 +75 +80 5 +05 +13 +25 +38 +50 +63 +75 6

PLATE 1—PLAN PROFILE B. P. R. STANDARD TELEDYNE POST, CHICAGO

SHEET 23 OF 32 "CONTRACT NO. 87852

DRAWN BY: DRAWN	REVISIONS			
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED | SHEET 33
FILE NO.: 111489.00 Y– | OF 43

FEDERAL AID BRIDGE NO.	DISTRICT	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LASALLE	19	7

* 85-00026-00-BR

STA. 6+18.50 LT. 72'
STA. 6+78 LT. 56'
P.E.
STA. 7+50 LT. 59'
STA. 5+85 LT. 71.5'
PROPOSED GRADE SEPARATION STRUCTURE
STA. 7+41 LT. 58.5' TOE OF SLOPE
29 L.F. STORM SEWER TY. 1, 12" @ 0.50%
37 L.F. STORM SEWER TY. 1, 12" @ 0.50%
LIMIT OF IMPROVEMENT LT. 43'
CATCH BASIN TY.C W/TY.3 FR. & GR. E OUT 595.06
CATCH BASIN TY.C W/TY.3 FR. & GR. E IN 594.92 E OUT 594.82
CITY OF OGLESBY PROPERTY
6' SIDEWALK
STA. 8+00 LT. 35.5'
T.C. 598.31
20.5' RAD. TO FACE
FRASER BIT. CONC. AVE.
SIDEWALK RAMPS, TY.A
T.C. 598.21
T.C. 602.03
T.C. 599.60
MANHOLE, TY.A 4' DIA. W/TY.1 FR&C.L. E OUT 581.06
CATCH BASIN SPECIAL W/SPECIAL FR.&GR. E IN 595.99 E OUT 595.89
30.5' RAD. TO FACE
AGG. BASE COURSE
P.I. STA. 7+64
T.C. 599.56
T.C. 599.40
CATCH BASIN TY.C W/TY.3 FR. & GR. E OUT 596.37
10 L.F. STORM SEWER TY. 1, 12" @ 1.00%
MANHOLE, TY. A, 4' DIA. W/TY. 1 FR. & C.L. E OUT 590.70
SCALE: 1"=20' FEET
IVALNUT BIT. CONC. SURF.
T.C. 600.12
16 L.F. STORM SEWER TY. 1, 12", @ 0.50%
PROPOSED IMPROVEMENT ENDS STA. 10+90
℄ PROPOSED IMPROVEMENT 200.00'
STA. 8+50 RT. 33'
STA. 6+30 RT. 33 TOE OF SLOPE
STA. 6+80 RT. 33'
TOE OF SLOPE P.E.
28 L.F. STORM SEWER TY. 1, 12", @ 0.50%
LEVELING BINDER
18 L.F. STORM SEWER TY. 1, 12" @ 1.00%
STA. 8+85 RT. 69'
STA. 6+31 RT. 68'
STA. 7+00 RT. 70'
STA. 6+80 RT. 70'
RAILROAD R.O.W.
T.C. 599.38
T.C. 599.54
T.C. 600.23
CATCH BASIN SPECIAL W/SPECIAL FR.&GR. E OUT 596.13
20.5' RAD. TO FACE
T.C. 599.32
STREET
INCIDENTAL BITUMINOUS SURFACING STA. 8+88 - STA. 9+51
T.C. 600.28
T.C. 600.95
20.5' RAD TO FACE 7' RAD.
50' TRANSITION
CATCH BASIN TY.C W/TY.3 FR.&GR. E OUT 596.07
T.C. 600.49
LIMIT OF IMPROVEMENT RT. 43'
SIDEWALK RAMPS, TY.A
END PROPOSED GRADE SEPARATION STRUCTURE STA. 6+98.52
BEGIN PROPOSED GRADE SEPARATION STRUCTURE STA. 5+87.00

EXISTING
CURVE No. 3
P.I. STA. 7+64
Δ = 14°-33'-45"
D = 12°-09'-45"
T = 60.19'
L = 119.73'
CHD = 119.41'
E = 3.83'
R = 471.09'
P.C. STA. 7+03.81
P.T. STA. 8+24.19

PROPOSED
CURVE No. 3
P.I. STA. 7+75.35
Δ = 14°-33'-45"
D = 12°-09'-45"
T = 60.19'
L = 119.41'
E = 3.83'
R = 471.09'
P.C. STA. 7+15.16
P.T. STA. 8+85.54

BM "B", ELEV 604.94, TOP 5/8" NUT ON FIRE HYDRANT ON NORTH SIDE OF WALNUT STREET AT PORTLAND AVE.

B.M. "C", ELEV. 605.58, TOP 5/8" NUT ON FIRE HYDRANT AT SOUTH EAST CORNER OF WALNUT STREET & KORTER STREET

200' V.C. EL. 611.15
P.V.I. STA. 6+63 E = 2.50'
50' V.C. P.V.I. STA. 7+38 EL 609.90 E = 0.04'
100' V.C. EL. 599.90
P.V.I. STA. 8+85 E = 0.64'
+5.00%
-5.00%
-5.51%
-0.49%
+0.30%
-0.30%
PROPOSED ℄ PROFILE
NO V.C. P.I. STA. 9+50 EL. 595.21
NO V.C. P.I. STA. 10+40 ELEV. 599.40
EXISTING ℄ PROFILE
PROPOSED BRIDGE DECK
TOP OF EXISTING RETAINING WALL
BOT. DECK 605.26
BOT. DECK 605.58
615
610
605
600
595
590

PLATE 1—PLAN PROFILE D. P. R. STANDARD TELEDYNE POST, CHICAGO

SHEET 24 OF 32 "CONTRACT NO. 87852

DRAWN BY: DRAWN	REVISIONS		
CHECKED BY: CHECKED	LEVEL / BY / DATE / DESCRIPTION		
DATE: 01/2024			

Chamlin & Associates
PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
SHEET 34
FILE NO.: 111489.00 Y–
OF 43

Bench Mark - "A" Elev. 604.31
Top ⅝" nut of F.H. at S.W. end of bridge

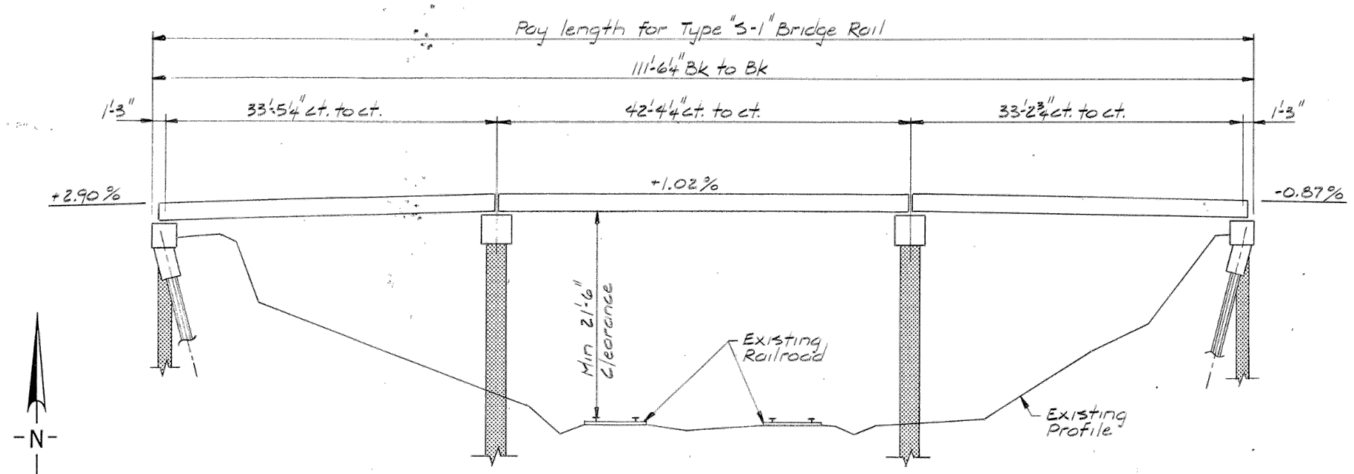
Bench Mark - "B" Elev. 601.94
Top ⅝" nut of F.H. on North side of Walnut St at Portland Ave.

Bench Mark - "C" Elev. 605.58
Top ⅝" nut of F.H. at S.E. corner of Walnut and Korter Streets.

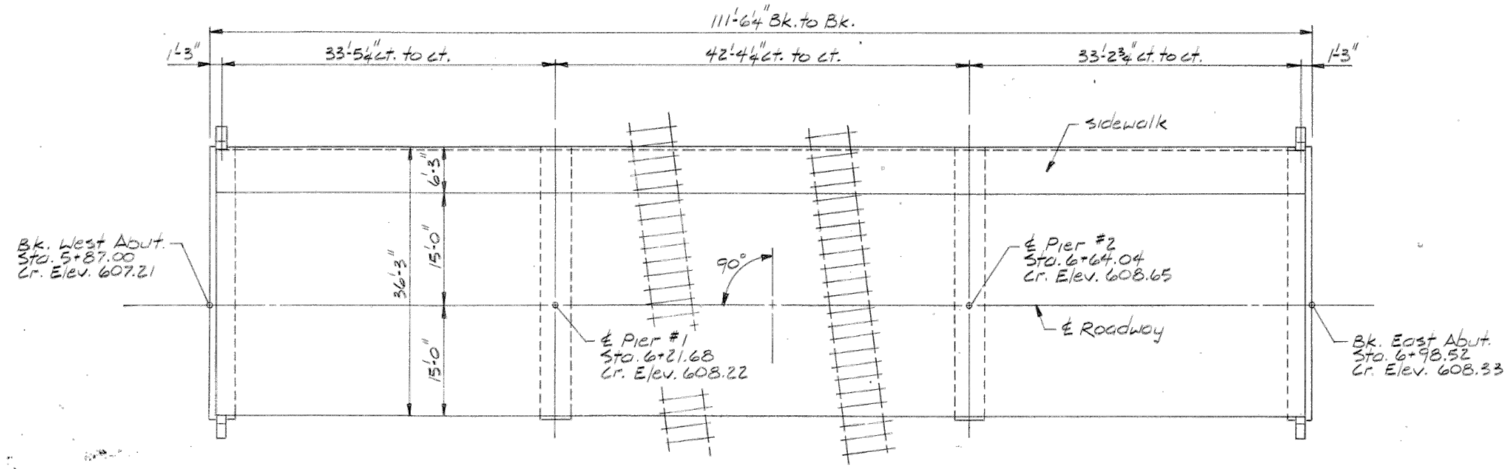
SHEET 1 OF 8

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	La Salle	19	8
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

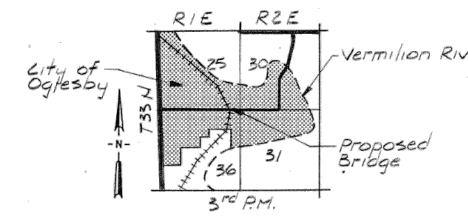
* 83-00026-00-GS



ELEVATION



PLAN



LOCATION SKETCH

GENERAL NOTES

All work shall comply with the "Standard Specifications for Road and Bridge Construction", adopted October 1, 1983.

Reinforcement bars shall conform to the requirements of AASHTO M31 or M53, Grade 60.

Class X Concrete shall be used throughout except in the Deck Beams.

The Contractor shall drive one (1) test pile in a permanent location at the West Abutment prior to ordering the remaining piles.

** The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specification except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of Keys shall be rounded or chamfered a minimum of ¼".

Plan dimensions and details relative to existing structure have been taken from existing plans and from as built surveys furnished by Chamlin & Associates and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

** This surface treatment is for use with the Class I overlay with Waterproofing Membrane System. See Special Provisions for surface treatment with optional overlay systems.

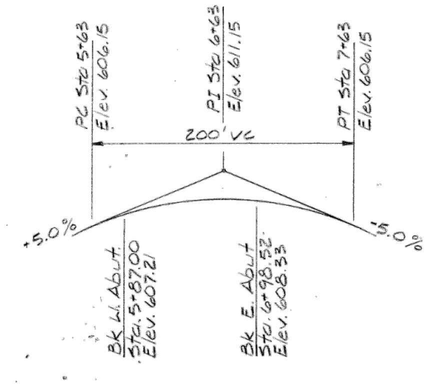
Structural No. 3865
Sept. 28, 1984

I certify that to the best of my knowledge, information, and belief, this bridge is structurally adequate for the design loadings shown on the plans. The design is economical for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.

STATION 6+42.76
BUILT 198_ BY
CITY OF OGLESBY
SECTION 83-00026-00-GS
FAU RT 6093 PROJ. BH-M-5036(10)
STR. NO. 050-7301 LOADING HS 20

LETTERING FOR NAME PLATE

Locate Name Plate at Northeast corner of Bridge (See Std 2113-2)



PROFILE

DESIGN STRESSES

Superstructure:
f'_c = 5000 psi
f_y = 60000 psi
f'_{ci} = 4000 psi
f'_s = 270000 psi (½" φ strand)
f_{si} = 189000 psi (½" φ strand)

Substructure:
f'_c = 3500 psi
f_y = 60000 psi

Designed using 1983 AASHTO Specifications

HS 20-44 Loading plus 25 psf allowance for future wearing surface

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub		Total
			Piers	Abuts	
Concrete Removal	Cu.Yds				217
Class X Concrete	Cu.Yds	51	17	30	98
Reinforcement Bars	lbs	1293	1976	2154	5423
P.P.C. Deck Beams 21" Depth	Sq.Ft.	3925			3925
Furnishing Steel Piles HP8×36	Lin.Ft.			189	189
Driving Steel Piles	Lin.Ft.			189	189
Test Pile Steel HP8×36	Each			1	1
Steel Railing Type 'S-1'	Lin.Ft.	223			223
* Bituminous Concrete Sur Cl I	Ton	62			62
* Waterproofing Membrane System	Sq.Yds	364			364
* P.C. Mortar Fairing Course	Lin.Ft.	981			981
Furn & Erect Struct Steel	lbs	2412			2412
Name Plate	Each	1			1

* See Special Provisions for Optional overlay systems

GENERAL PLAN & ELEVATION
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED LAL
CHECKED DWF
DRAWN KMS
CHECKED DWF

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P1008
DATE

SHEET 25 OF 32 "CONTRACT NO. 87852

DRAWN BY: DRAWN	REVISIONS			
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

Chamlin & Associates
PERU MORRIS
OTTAWA MORTON
ILLINOIS

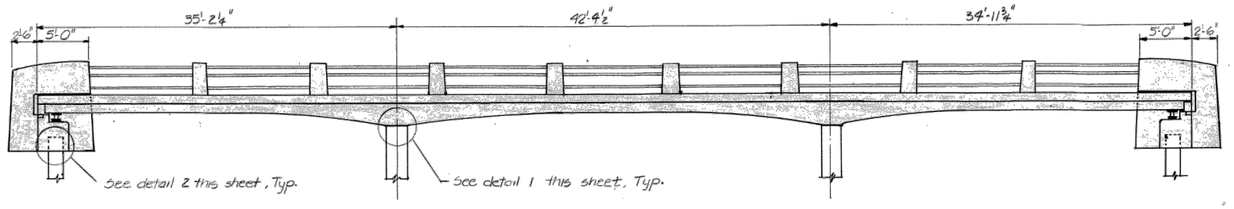
WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED
FILE NO.: 111489.00 Y–

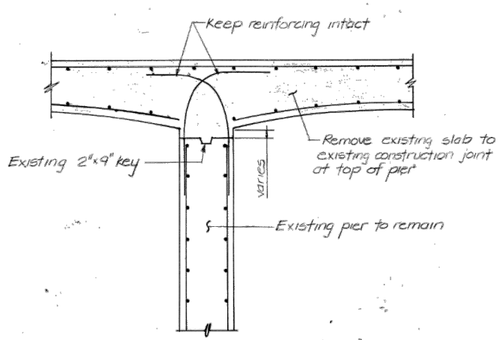
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LaSalle	19	9
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT.		

* 83-00026-00-GS

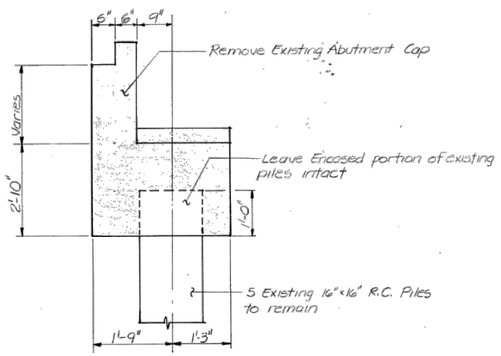


Note: Piers must be stabilized with respect to horizontal forces prior to deck removal.

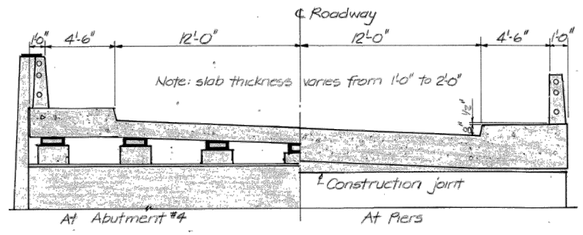
EXISTING ELEVATION



DETAIL 1
(DETAIL AT SLAB/PIER)



DETAIL 2
(DETAIL AT ABUTMENT)



TYPICAL CROSS SECTION

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	217.0

NOTES

1. Cost for concrete removal shall include removal of: specified concrete, handrail, rollers, blast plates, misc. structural steel, reinforcing steel, cleaning of rebars that are to remain, and all other related items.
2. Contractor is responsible for the design and implementation of a bracing/shoring system that will stabilize the existing piers from all anticipated horizontal forces, during removal and replacement of deck.
3. ▨ Indicates portion of existing structure that is to be removed.

SUPERSTRUCTURE
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED LAL
CHECKED DJF
DRAWN LAL
CHECKED DJF

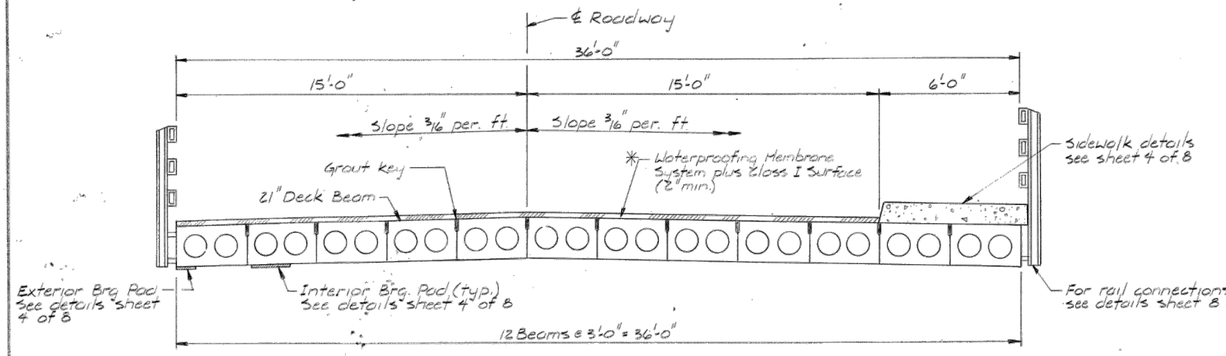
HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P1008
DATE

DRAWN BY: DRAWN	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	EXISTING BRIDGE PLANS STRUCTURE NO. 050-7301		CURRENT AS OF: 10/21/2024	
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates				SCALE: AS NOTED	SHEET 36
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43

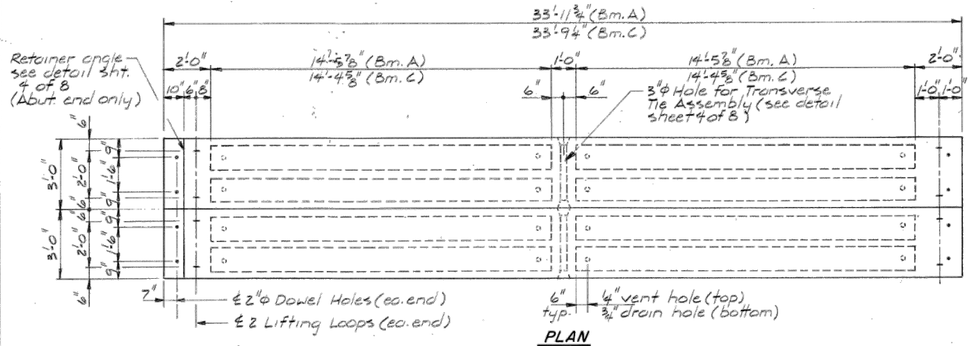
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LaSalle	19	10
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT.		

* 83-00026-00-GS

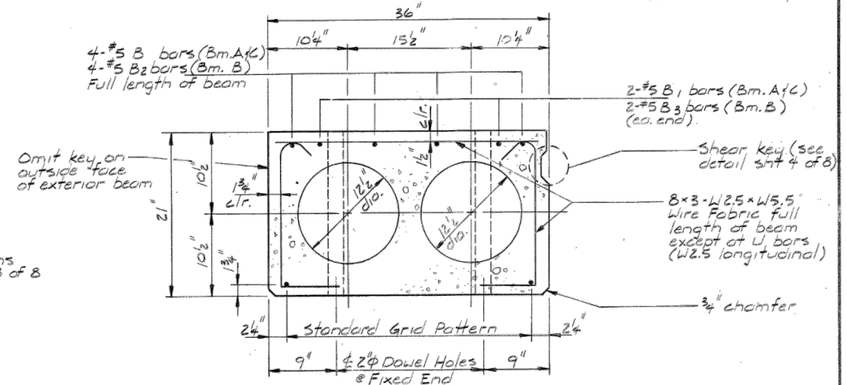


* See Special Provisions for optional overlays

CROSS SECTION



PLAN
(BEAM A & C)

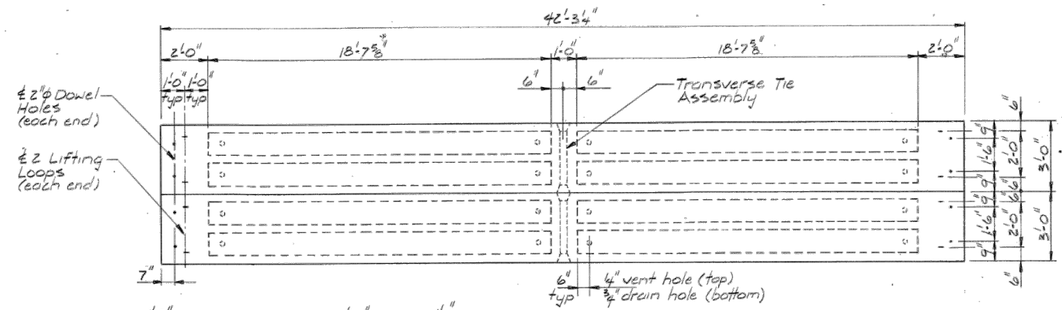


TYPICAL SECTION
(BEAM A, B & C)

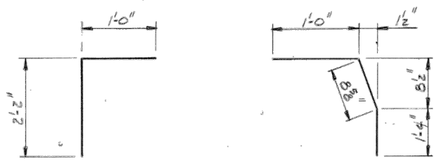
Each strand stressed to 28,900 lbs.

(Beam A & C) 7-½"φ strands @ 1 3/8" up

(Beam B) 7-½"φ strands @ 1 3/4" up
4-½"φ strands @ 3 1/4" up

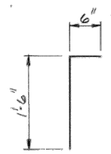


PLAN
(BEAM B)

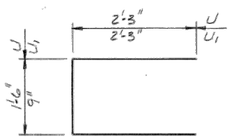


BAR D

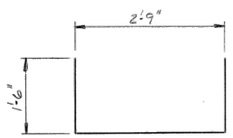
BAR D1



BAR E



BAR U & U1



BAR U2

PRECAST NOTES

The 1"φ rod in the transverse tie assembly shall be tightened to a snug fit and the treads set pockets that receive transverse tie rods on outside shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to AASHTO - M31 or M53, Grade 60.

The bearing seat surface shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.

Prestressing steel shall be non-galvanized, extra strength, stress relieved 7 wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

Lifting loops shall consist of 2 - ½"φ 270 ksi, 7 wire stress-relieved strands. Cut or burn off flush with deck beam surface after beams are in place.

After beams have been erected and prior to grouting shear keys, holes for the dowel anchors shall be drilled into the substructor and the anchor dowels shall be grouted in place.

Cost of reinforcement and accessories cast into the beams, of bearing pads, and of grouting longitudinal shear key is included in the unit price for "Precast Prestressed Concrete Deck Beams".

Steel for the Retainer angle shall be structural steel AASHTO - M183 and shall be paid for at the contract unit price per pound for "Furnishing and Erecting Structural Steel".

After fabrication the transverse tie assembly (tie rods, nuts, washers and sleeves) shall be hot dipped galvanized in accordance with AASHTO - M232.

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered a minimum of ¼". (Note: This is applicable for Class I overlay with Waterproofing Membrane System. See Special Provisions for surface treatment with optional overlays.)

SUPERSTRUCTURE
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED	LAL
CHECKED	DJF
DRAWN	KMS
CHECKED	DJF

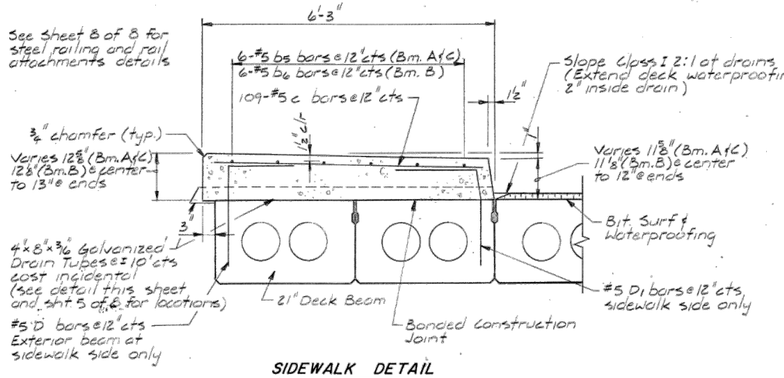
HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P1008
DATE

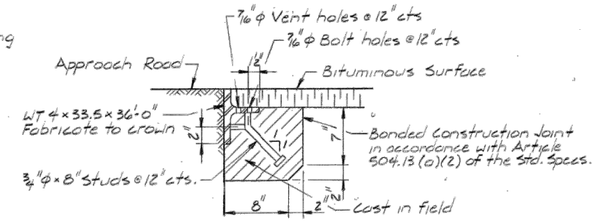
DRAWN BY: DRAWN	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	EXISTING BRIDGE PLANS STRUCTURE NO. 050-7301		CURRENT AS OF: 10/21/2024	
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates				SCALE: AS NOTED	SHEET 37
DATE: 01/2024									FILE NO.: 111489.00 Y-	OF 43

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6058	*	LaSalle	19	11
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT.		

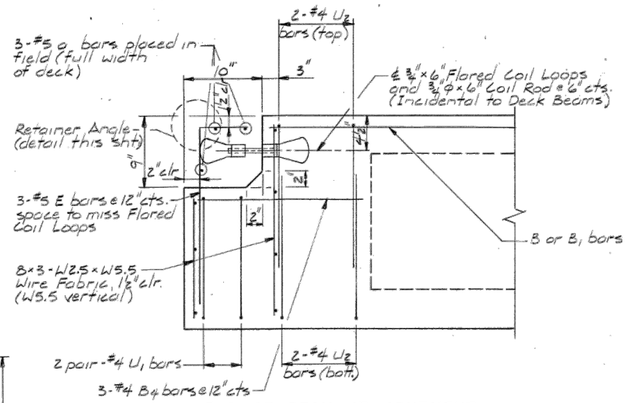
*83-00026-00-GS



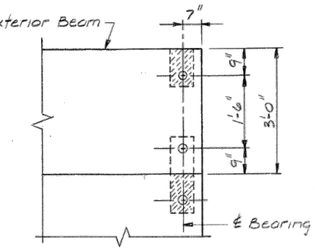
SIDEWALK DETAIL



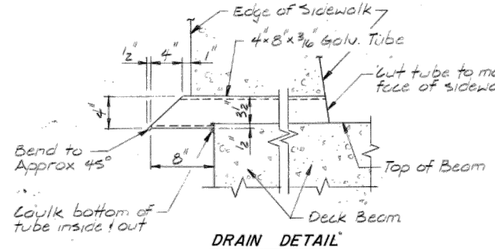
RETAINER ANGLE
(BEAM A & C)



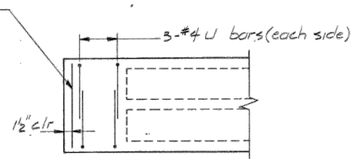
END OF BEAM AT ABUTMENT
(BEAM A & C)



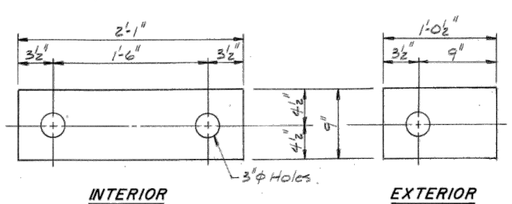
Provide two (2) ⅛" fabric shim pads as required for all bearings



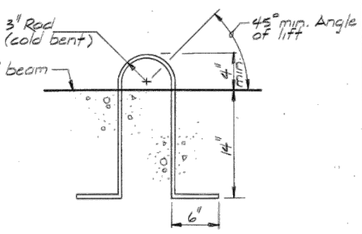
DRAIN DETAIL



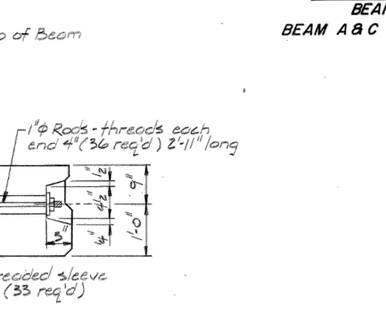
END REINFORCEMENT
BEAM B
BEAM A & C (EXCEPT AT ABUT.)



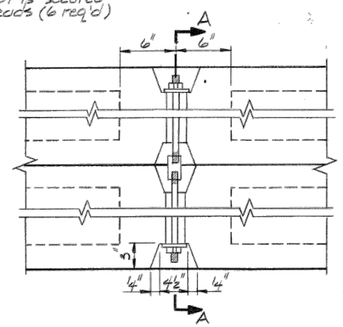
FABRIC BEARING PADS



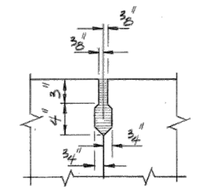
LIFTING LOOP DETAIL



SECTION A-A



TRANSVERSE TIE ASSEMBLY



KEY DETAIL

BEAM A & C
BILL OF MATERIAL (1 BEAM)

Bar	No.	Size	Length	Shape
B	4	#5	32'-9"	—
B1	4	#5	7'-0"	—
B4	3	#4	1'-9"	—
* D	33	#5	3'-2"	⌐
** D1	33	#5	3'-1"	⌐
E	3	#5	2'-0"	⌐
U	6	#4	6'-0"	⊏⊐
U1	4	#4	5'-3"	⊏⊐
U2	4	#4	7'-0"	⊏⊐

* Exterior beam at sidewalk only
** 1st interior beam at sidewalk only

BEAM B
BILL OF MATERIAL (1 BEAM)

Bar	No.	Size	Length	Shape
B2	4	#5	41'-11"	—
B3	4	#5	8'-6"	—
* D	43	#5	3'-2"	⌐
** D1	43	#5	3'-1"	⌐
U	12	#4	6'-0"	⊏⊐

TOTAL BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	6	#5	35'-8"	—
b3	12	#5	33'-6"	—
b4	6	#5	42'-0"	—
c	109	#5	5'-9"	—
Reinforcement Bars			lbs	12193
P.P.C. Deck Beams 21"			Sq. Ft.	3,925
F & E Structural Steel			lbs	2,412
Waterpf Membrane Sys			Sq. Yds	364
Class X Concrete			Cu. Yds	51

SUPERSTRUCTURE
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED LAL
CHECKED DNF
DRAWN KMS
CHECKED DNF

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P1008
DATE.

DRAWN BY: DRAWN	REVISIONS			
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

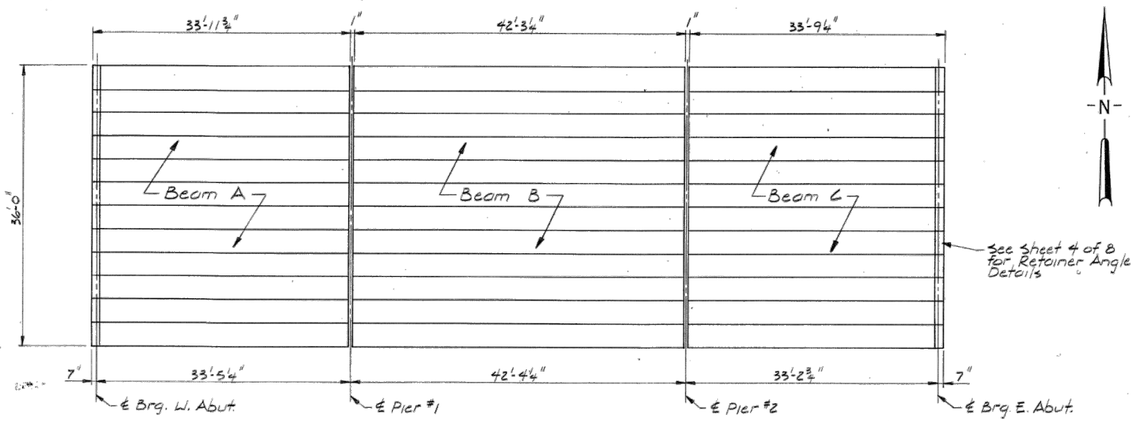
WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024
SCALE: AS NOTED | SHEET 38
FILE NO.: 111489.00 Y– | OF 43

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LaSalle	19	12
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT.		

* 83-00026-00-GS

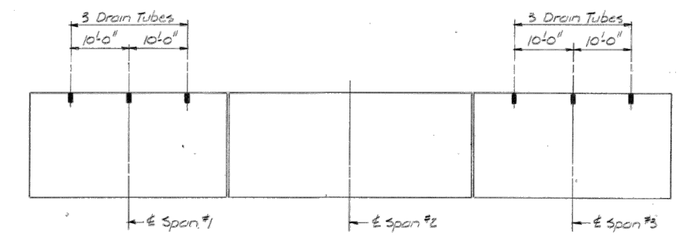


SPAN #1 +2.90% Grade

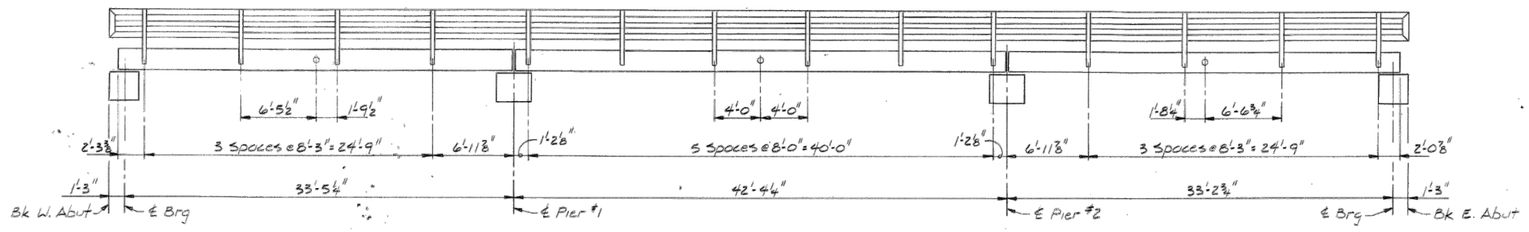
SPAN #2 +1.02% Grade

SPAN #3 -0.87% Grade

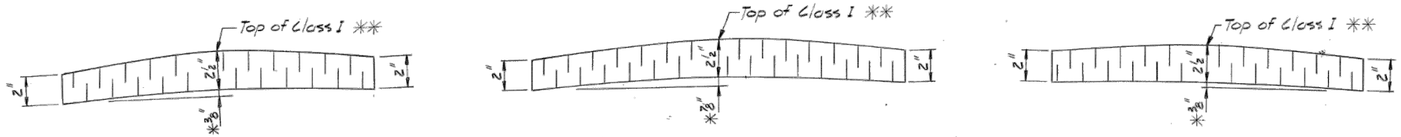
PLAN - BRIDGE DECK



DRAIN TUBE SPACING



ELEVATION - RAIL POST SPACING



SPAN #1

* Expected chamber ℄ of span

SPAN #2

** See Special Provisions for optional overlay systems

SPAN #3

CLASS I PROFILE

SUPERSTRUCTURE
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED	LAL
CHECKED	DNF
DRAWN	KMS
CHECKED	LAL

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P1008
DATE

DRAWN BY: DRAWN	REVISIONS			
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

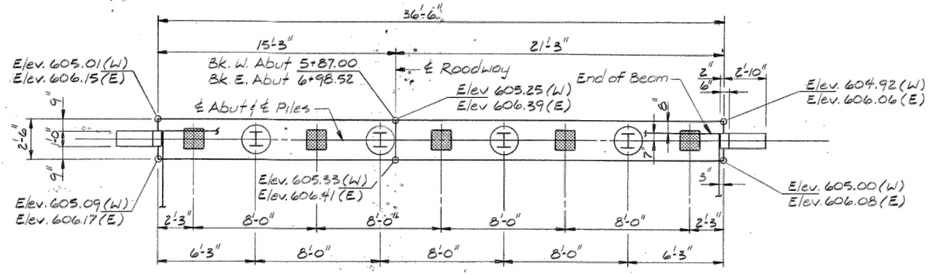
WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024		
SCALE: AS NOTED	SHEET	39
FILE NO.: 111489.00 Y-	OF	43

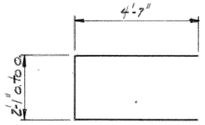
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LaSalle	19	13
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT.		

* 83-00026-00-GS

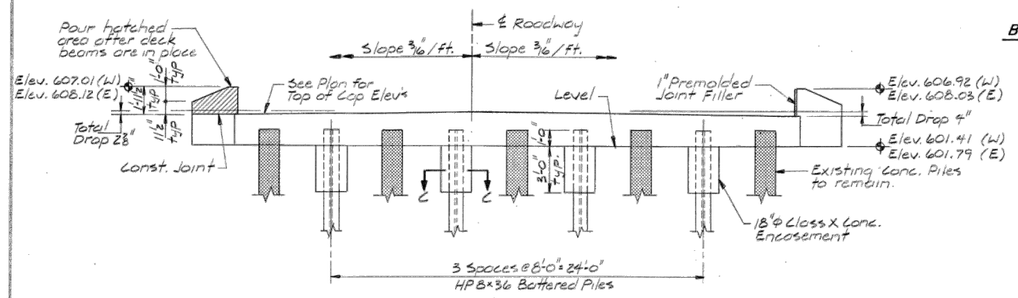


PLAN

Note:
(W) Denotes West Abut.
(E) Denotes East Abut.
Indicates Existing Piles to remain

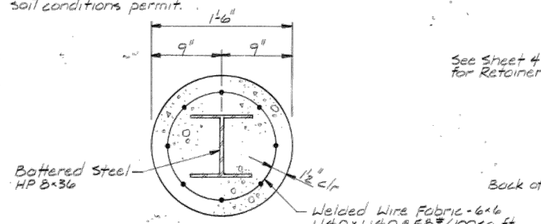


BAR u

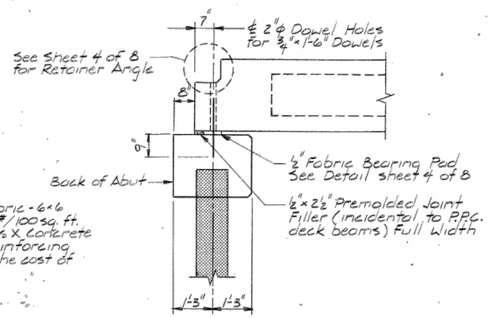


ELEVATION

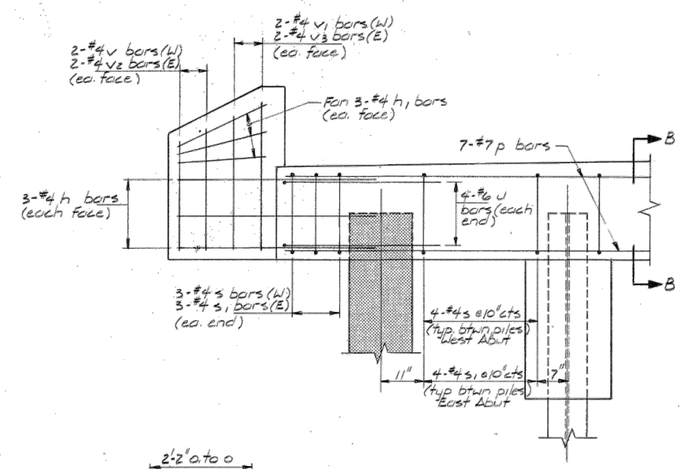
Note:
Forms for encasement may be omitted when soil conditions permit.



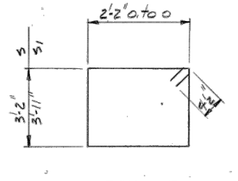
SECTION C-C



BEARING DETAIL



REINFORCING DETAIL



BAR s & s1

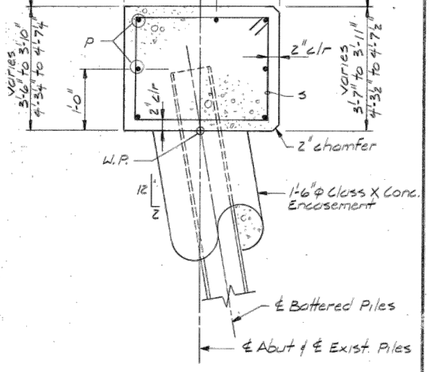
PILE DATA

Type	Steel HP8x36
No. Req'd	8 (4 each abut.)
Capacity	Refusal
Est. Length	27' ft.

* Includes one (1) test pile at the West Abutment

BILL OF MATERIAL (2 ABUT)

Bar	No	Size	Length	Shape
h	24	#4	5'-4"	
h1	24	#4	2'-8"	
p	14	#7	36'-2"	
s	38	#4	11'-5"	
s1	38	#4	12'-11"	
u	16	#6	11'-3"	
v	8	#4	4'-2"	
v1	8	#4	4'-8"	
v2	8	#4	4'-10"	
v3	8	#4	5'-4"	
Furn Steel Piles HP8x36			Lin. Ft.	189
Drive Steel Piles			Lin. Ft.	189
Test Pile Steel HP8x36			Each	1
Class X Concrete			Cu. Yds	30
Reinforcement Bars			lbs.	2,154



SECTION B-B

ABUTMENT DETAIL
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED LAL
CHECKED DNF
DRAWN KMS
CHECKED DNF

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P1008
DATE

DRAWN BY: DRAWN	REVISIONS				
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION	
DATE: 01/2024					

Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

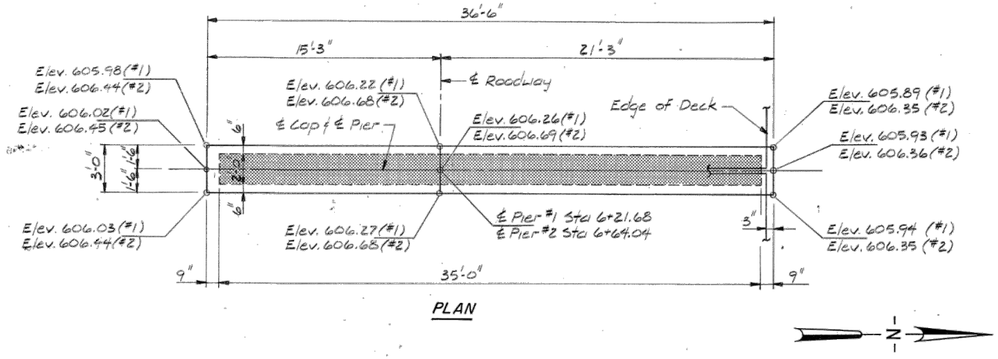
EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024	
SCALE: AS NOTED	SHEET 40
FILE NO.: 111489.00 Y–	OF 43

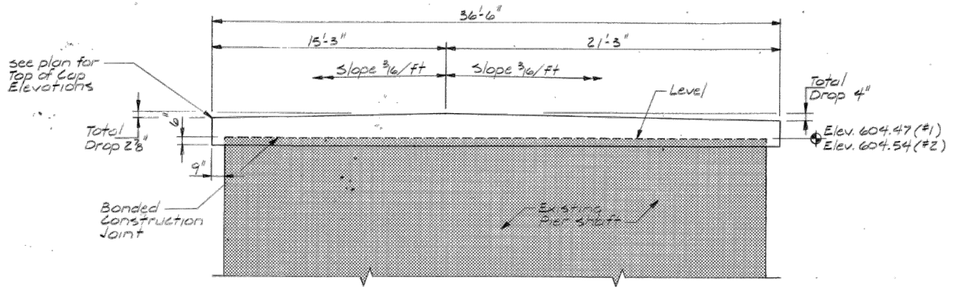
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 6095	*	LaSalle	19	14
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT.		

* 83-00026-00-GS

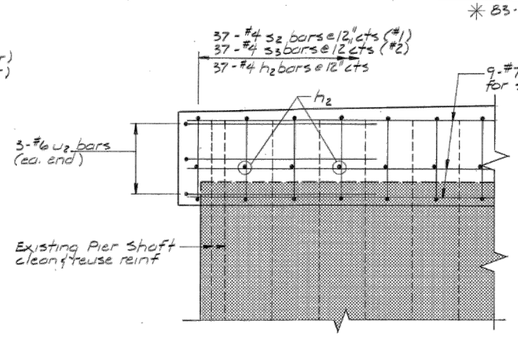
Note:
(#1) Denotes Pier #1 (West Pier)
(#2) Denotes Pier #2 (East Pier)
Indicates Existing Pier Shaft to remain



PLAN

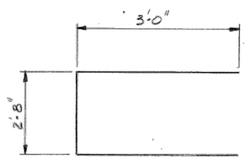


ELEVATION

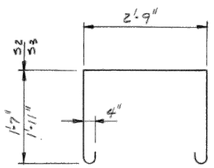


REINFORCING DETAIL

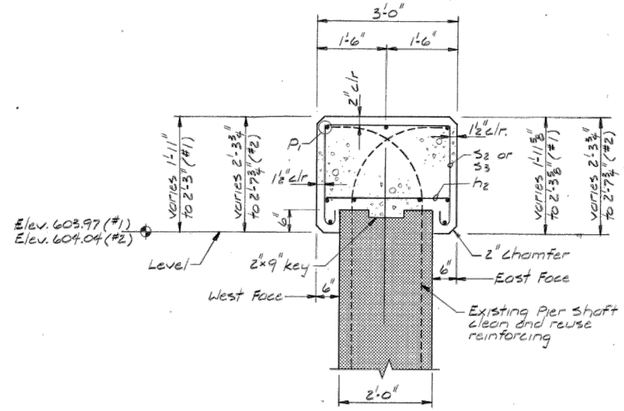
BEARING DETAIL



BAR u2



BAR S2 & S3



SECTION D-D

BILL OF MATERIAL (2 PIERS)

Bar	No	Size	Length	Shape
h2	74	#4	2'-8"	—
p1	18	#7	36'-2"	—
S2	37	#4	6'-11"	⊓
S3	37	#4	7'-7"	⊓
u2	12	#6	8'-8"	▭
Class X Concrete			6.4 Yds	17
Reinforcement Bars			lbs	1976

PIER DETAILS
WALNUT ST. GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED L.A.L
CHECKED D.N.F
DRAWN K.M.S
CHECKED D.N.F

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

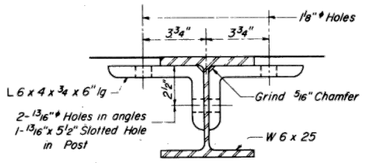
FILE NO. 84P1008
DATE

DRAWN BY: DRAWN	REVISIONS				PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	EXISTING BRIDGE PLANS STRUCTURE NO. 050-7301		CURRENT AS OF: 10/21/2024	
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION	Chamlin & Associates				SCALE: AS NOTED	SHEET 41
DATE: 01/2024									FILE NO.: 111489.00 Y–	OF 43

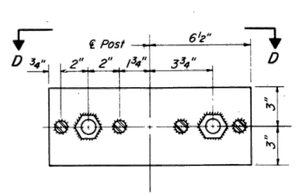
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6093	*	LASALLE	19	15
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		

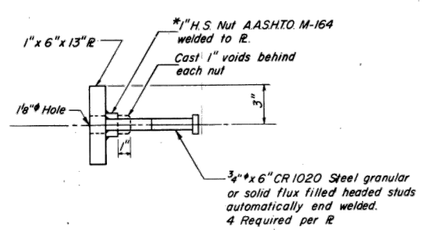
* 83-00026-00-GS

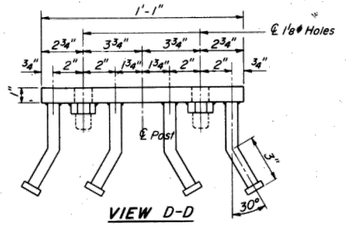
SHEET 8 OF 8



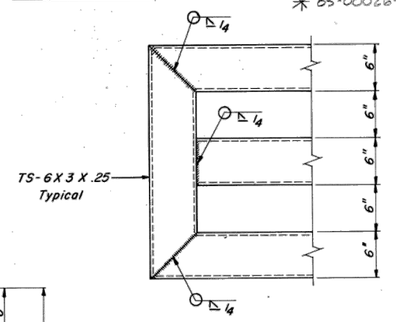
SECTION F-F





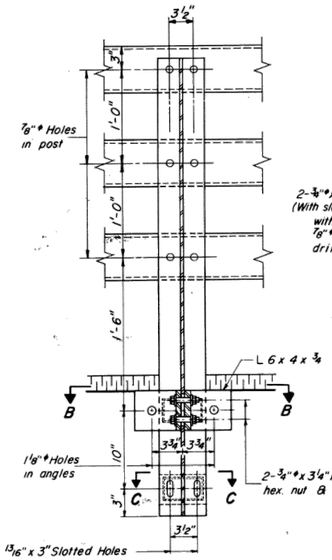


VIEW D-D

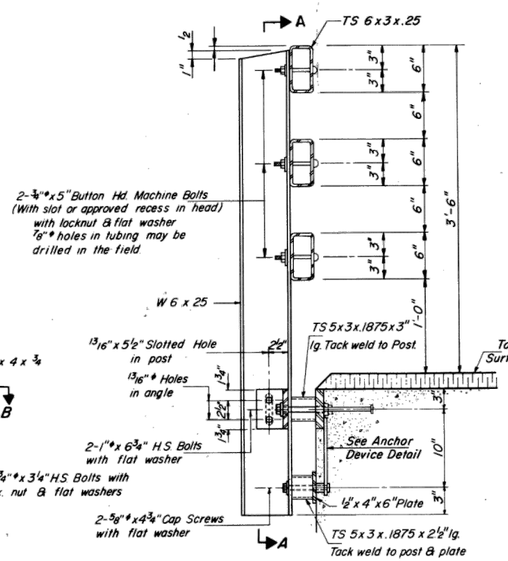


END OF RAIL DETAIL

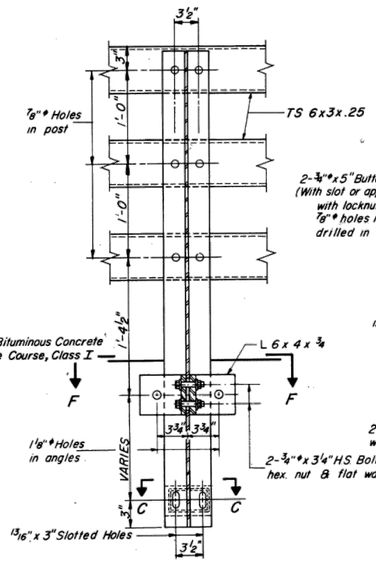
TOP ANCHOR DEVICE



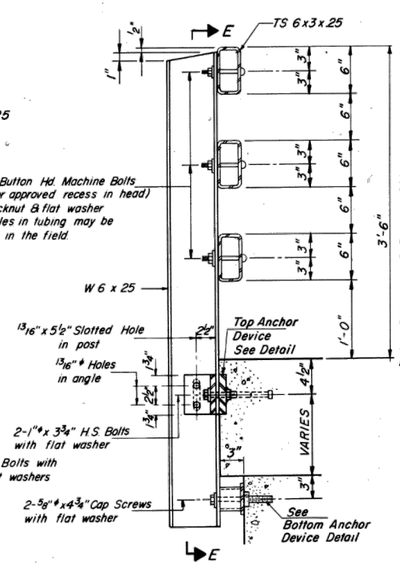
SECTION A-A



SECTION AT RAIL POST
AT DECK BEAM



SECTION E-E



SECTION AT RAIL POST
AT SIDEWALK

NOTES

Hollow structural steel tubing shall conform to the requirements of A.S.T.M. designation A-500 Grade B or A-501 Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of A.A.S.H.T.O. M-183 except posts and angles shall conform to A.A.S.H.T.O. M-223, Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of A.S.T.M. designation A-307 except for high strength bolts, nuts and washers noted which shall conform to A.A.S.H.T.O. M-164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with A.A.S.H.T.O. M-232.

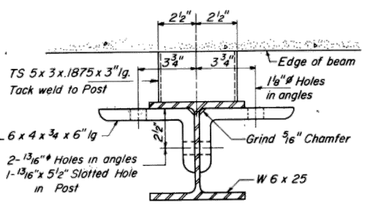
All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication in accordance with A.A.S.H.T.O. M-111 and A.S.T.M. A-385. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING.

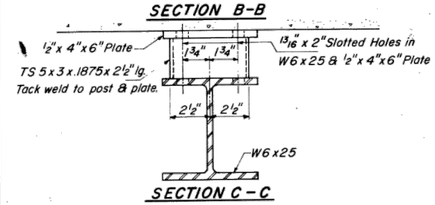
All field drilled holes shall be coated with an approved zinc rich paint before erection.

The ¾"ø high strength bolts used to connect the 6 x 4 x ¾ angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1"ø high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional ⅛ turn. The ⅝"ø cap screws in bottom of posts shall be tightened to a snug fit only.

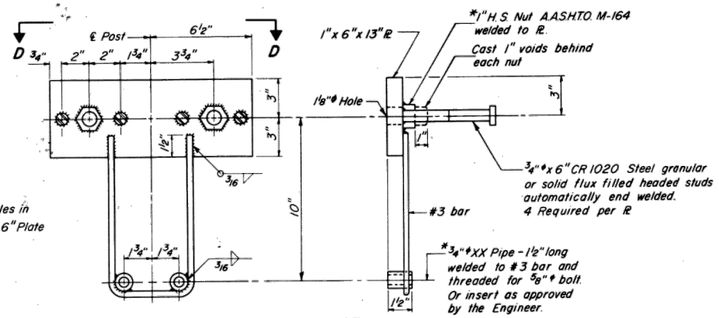
The lower portion of the post flange and the ½"x4"x6" plate in contact with concrete shall receive two coats of asphalt paint conforming to section 714.08 type B or place ⅛" fabric bearing pad between the post, plate and concrete.



SECTION B-B

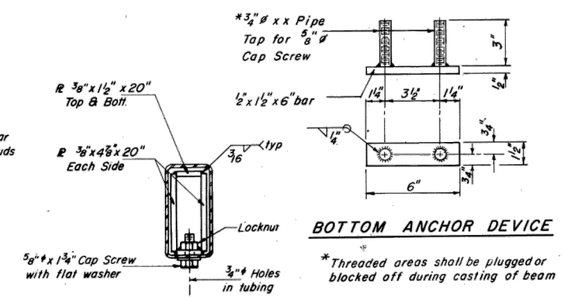


SECTION C-C



ANCHOR DEVICE

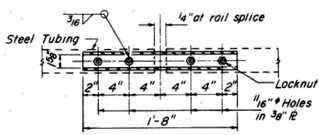
*Threaded areas shall be plugged or blocked off during casting of beam.



SECTION AT RAIL SPLICE

BOTTOM ANCHOR DEVICE

*Threaded areas shall be plugged or blocked off during casting of beam



PLAN - BOTT. SPLICE PL. TYPICAL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
STEEL RAILING	LIN. FT.	223

RAILING DETAIL
WALNUT ST GRADE SEPARATION
SECTION 83-00026-00-GS
LASALLE COUNTY
STATION 6+42.76

DESIGNED JPC
CHECKED DJF
DRAWN KMS
CHECKED DNF

HANSON ENGINEERS INCORPORATED
SPRINGFIELD, PEORIA & ROCKFORD, ILLINOIS

FILE NO. 84P.1008
DATE

SHEET 32 OF 32 "CONTRACT NO. 87852

DRAWN BY: DRAWN	REVISIONS			
CHECKED BY: CHECKED	LEVEL	BY	DATE	DESCRIPTION
DATE: 01/2024				

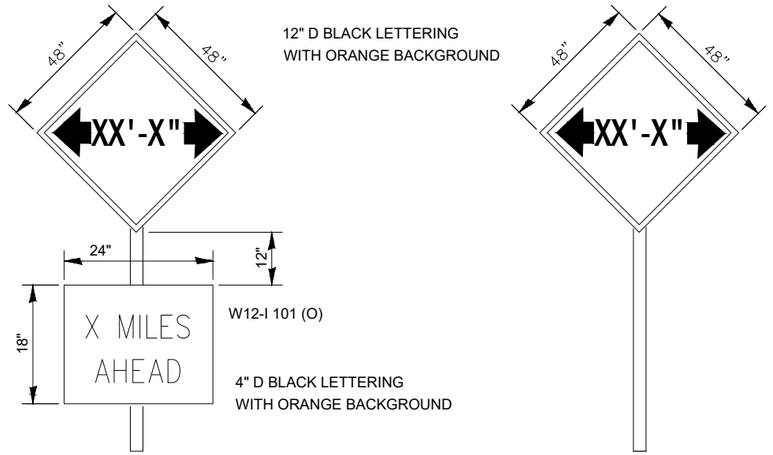
Chamlin & Associates

PERU MORRIS
OTTAWA MORTON
ILLINOIS

WALNUT STREET BRIDGE
SECTION 20-00821-00-BR
LASALLE COUNTY

EXISTING BRIDGE PLANS
STRUCTURE NO. 050-7301

CURRENT AS OF: 10/21/2024			
SCALE: AS NOTED	SHEET	42	
FILE NO.: 111489.00 Y-	OF	43	



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS 701-6

DRAWN BY: DS	REVISIONS				Chamlin & Associates	PERU MORRIS OTTAWA MORTON ILLINOIS	WALNUT STREET BRIDGE SECTION 20-00821-00-BR LASALLE COUNTY	SIGNING DETAILS STRUCTURE NO. 050-7301	CONSTRUCTION PLANS	CURRENT AS OF: 10/21/2024	
CHECKED BY: JKC	LEVEL	BY	DATE	DESCRIPTION						SCALE: AS NOTED	SHEET 43
DATE: 01/2024										FILE NO.: 111489.00 Y–	OF 43