GENERAL NOTES

- 1. Reinforcement bars designated (E) shall be epoxy coated.
- 2. Prior to pouring the new concrete deck for Expansion Joints Reconstruction and Bridge Deck repairs, all heavy or loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the Concrete Removal pay item. As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding ¼" deep shall be identified and reported to the Bureau of Bridges and Structures for further dispositions. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- 3. Plan dimensions and details relative to the 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 furnished at the unit price bid for the work.
- 4. Cleaning and field painting of structural steel shall be done under a separate painting contract.
- 5. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 6. Existing reinforcement extended into the removal of area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be replaced using an approved bar splicer or anchorage system. The cost of cleaning shall be included in the cost of Concrete Removal.
- 7. Bars indicated thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bar per line.
- 8. All exposed concrete edges shall have a $\frac{3}{4}$ " x45° chamfer, except where shown otherwise.
- 9. For SMA overlay on Approach Slab, see Roadway Plans.
- 10. Protective Coat shall be applied to the top of reconstructed transverse joint areas, top and inside face of the parapets, and top of Latex Concrete overlay.
- 11. Joint openings shall be adjusted according to Article 520.04 of the Standard Specification when the deck is poured at an ambient temperature other than 50°F.
- 12. Adjacent I-90/94 reversible bridge is not shown throughout the plans for clarity.
- 13. The Contractor shall take the necessary precautions for the protection of passing vehicles, bicycles and pedestrians from falling objects and/or materials until completion of work.
- 14. The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work. See special provision "Protection and Maintenance of Existing Underpass Luminaires".
- 15. The Contractor shall exercise caution during Concrete Removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.
- 16. The Contractor is responsible to protect the existing conduit and junction box embedded in the parapet during concrete removal and construction. Any damage to the existing conduit and junction box shall be repaired by the Contractor at no additional cost to the Department.
- 17. Where underpass lighting is present on the structure, the Contractor shall adjust the Protective Shielding to be placed above the existing lighting fixtures in order to maintain the existing level of lighting on the roadway underneath. Details shall be approved by the Engineer before installation.
- 18. Any adjustment done to the Protective Shield System must not change the system's load carrying capacity (or containment specifications) as indicated in the Standard Specifications. Cost of adjusting shielding is including in the cost of Protective Shield.
- 19. The Contractor shall contact Chandra Libby, the Director of City of Chicago Department of Family Support Services (DFSS) at 312-746-5443 or Chandra.Libby@cityofchicago.org to coordinate the relocation of persons and their personal belongings under the bridges within the areas bounded by the temporary chain-link-fence.
- 20. Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutment seats. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. The debris shall be disposed of according to Art 202.03 of the Std Specs. The cost of cleaning shall be included in the cost of Concrete Sealer.

SCOPE OF WORK

General Plan & Elevation

Construction Staging and

Bridge Deck Repair Plan

Deck & Beam Replacement Details I thru XVIII

Drainage Scupper Type A

Preformed Joint Strip Seal

Framing Plans I thru VII

PPC I-Beam Schedule

South Abutment Repairs

North Abutment Repairs

Bar Splicer Assembly Details

Slope Wall Repairs

Superstructure Details I & II

Expansion Joint Details I thru XL

PPC Beam Repair Sections I, II & III

PPC Beam Repair Tables I thru XII

and Details I thru V

Adjustment Details

S08-100-S08-101 36" PPC I-Beam Details I & II

508-102-508-103 48" PPC I-Beam Details I & II

S08-108-S08-112 Existing Bearing Details I thru V

S08-105-S08-107 Bearing Details I. II & III

S08-115-S08-136 Pier Repairs I thru XXII

Temporary Concrete Barrier

I thru V

General Data

Removal I thru IV

INDEX OF SHEETS

508-01-508-05

S08-07-S08-10

508-12-508-16

508-19-508-33

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508-37-508-76

508-78-508-84

S08-85-S08-87

S08-88-S08-99

508-06

S08-11

508-36

508-77

508-104

508-113

508-114

508-137

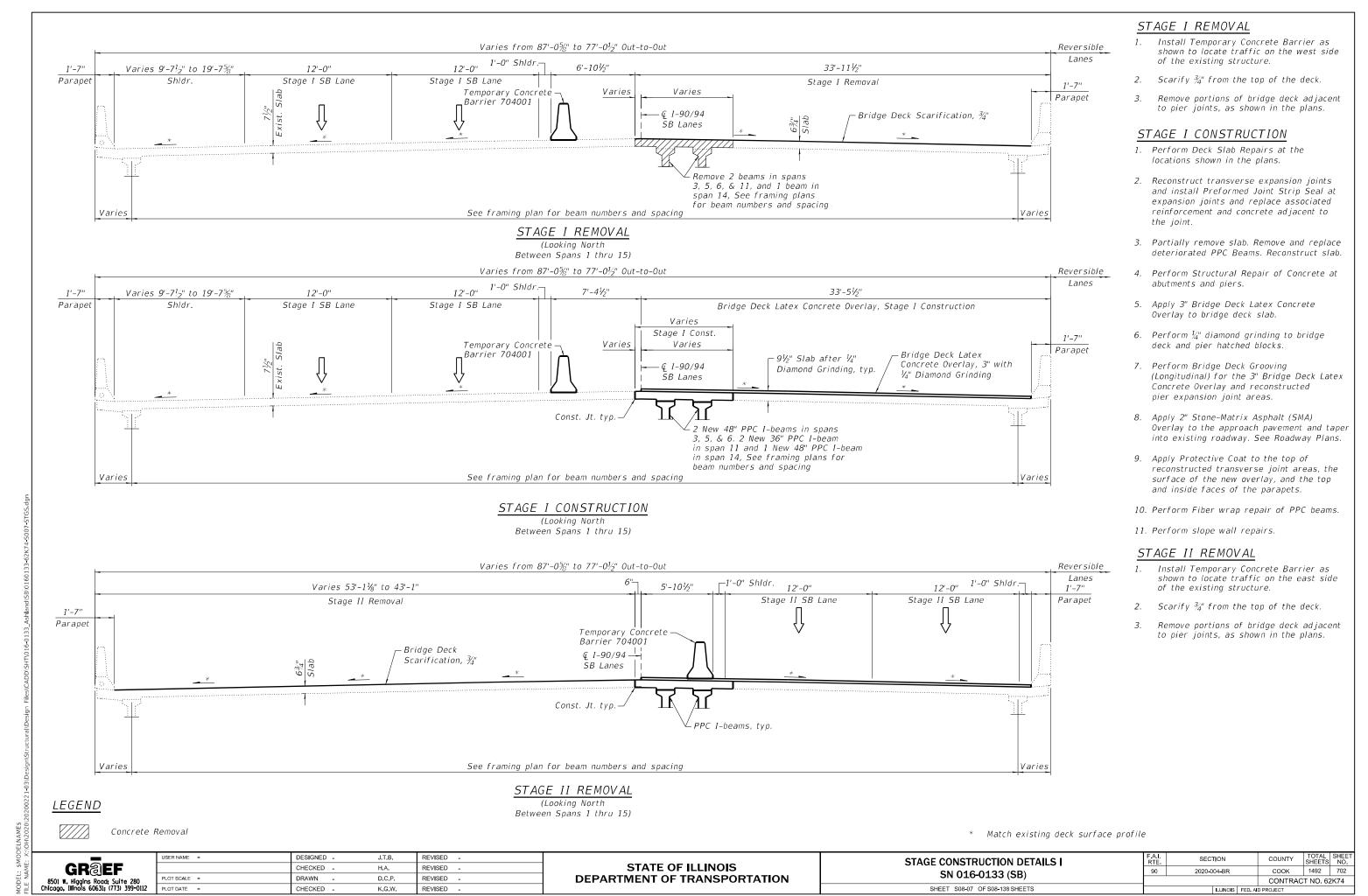
508-138

- 1. Provide Protective Shield within limits indicated on the plans.
- 2. Scarify $\frac{3}{4}$ " from the bridge deck slab.
- Perform deck repairs and adjust existing scuppers and inlets as required.
- 4. Repair existing closed drainage system
- 5. Remove and Replace Existing PPC
- Remove and reconstruct expansion joints at at piers as shown in the plans and install new Preformed Joint Strip Seals.
- Apply a 3" Bridge Deck Latex Concrete Overlay on Bridge Deck. Apply a 2" Stone-Matrix Asphalt (SMA) Overlay on the Approach Slabs, see Roadway Plans.

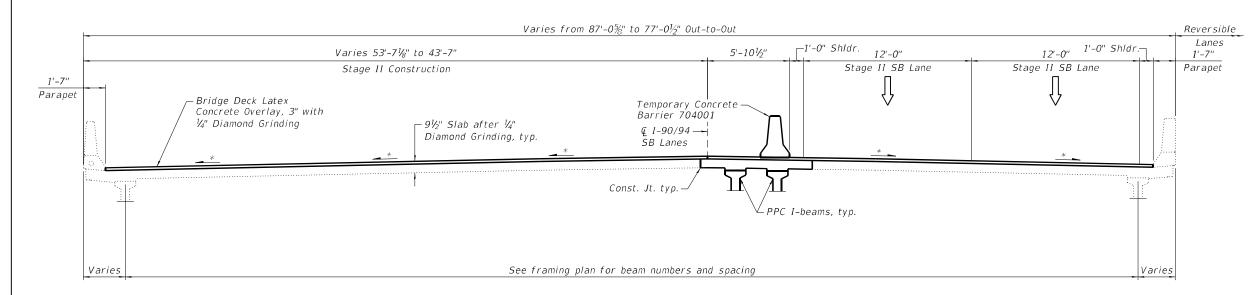
- Perform ¼" Diamond Grinding to top of bridge deck and abutment hatched block.
- 9. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
- Fiber wrap repair of all spalling, delamination, or failed existing beam repairs beyond the front face of the bearing of PPC Beams.
- Apply Protective Coat to the top and inside faces of parapets, reconstructed transverse expansion joints and to the surface of the new overlay.
- 12. Perform Structural Repair of Concrete to the Abutments and Piers as noted in the plans.
- 13. Perform slope wall repairs.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu Yd		6	6
Concrete Removal	Cu Yd	343.1		343.1
Slope Wall Removal	Sq Yd		6	6
Protective Shield	Sq Yd	3,070		3,070
Concrete Superstructure	Cu Yd	360		360
Protective Coat	Sq Yd	16,380		16,380
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36 In.	Foot	113		113
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48 In.	Foot	1,778		1,778
Reinforcement Bars, Epoxy Coated	Pound	68,420		68,420
Bar Splicers	Each	76		76
Mechanical Splicers	Each	6,252		6,252
Slope Wall 4 Inch	Sq Yd		6	6
Preformed Joint Seal 1"	Foot	125		125
Preformed Joint Strip Seal	Foot	1,465		1,465
Elastomeric Bearing Assembly, Type I	Each	30		30
Anchor Bolts, 1"	Each	120		120
Concrete Sealer	Sq Ft		6,259	6,259
Epoxy Crack Injection	Foot		230	230
Slope Wall Crack Sealing	Foot		81	81
Acrylic Coating	Sq Yd	1,283		1,283
Fiber Wrap	Sq Ft	11,458		11,458
Protect and Maintain Existing Underpass Luminaire	L Sum		0.076	0.076
Bridge Drainage System Repair	Foot		45	45
Bridge Deck Grooving (Longitudinal)	Sa Yd	10,394		10,394
Removal of Existing Concrete I-Beam	Each	30		30
Removal of Existing Bearings	Each	60		60
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	14,282		14,282
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L Sum	0.5		0.5
Cleaning and Painting Steel Bridge No. 1	L Sum	0.5		0.5
Cleaning Drainage System	L Sum		0.25	0.25
Bridge Deck Scarification 3/4"	Sq Yd	14,282		14,282
Structural Repair of Concrete (Depth Equal to	Sq Ft		2,490	2,490
or less than 5 Inches)	- 7			
Structural Repair of Concrete (Depth Greater	Sq Ft		140	140
Than 5 Inches)	29,10		1.0	1.0
Debris Removal	L Sum		0.5	0.5
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1.0		1.0
Deck Slab Repair (Full Depth, Type II)	Sq Yd	8.8		8.8
Drainage Scuppers to be Adjusted	Each	20		20
Diamond Grinding (Bridge Section)	Sq Yd	14,510		14,510
Maintenance of Lighting System	Cal Mo	6		6
Precast Prestressed Concrete I-Beam Repair	Sq Ft	136		136
Temporary Shoring and Cribbing	Each	12		12

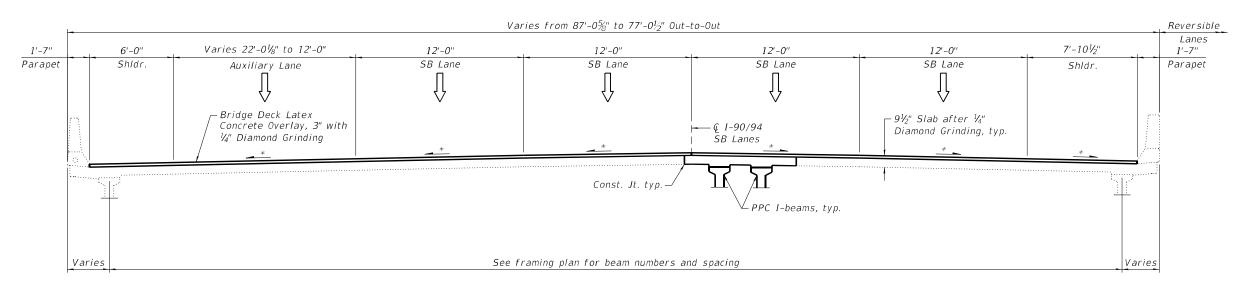


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STAGE II CONSTRUCTION

(Looking North Between Spans 1 thru 15)



STAGE II CONSTRUCTION

- 1. Perform Deck Slab Repairs at the locations shown in the plans.
- Reconstruct transverse expansion joints and install Preformed Joint Strip Seal at expansion joints and replace associated reinforcement and concrete adjacent to the joint.
- 3. Perform Structural Repair of Concrete at abutments and piers.
- 4. Apply 3" Bridge Deck Latex Concrete Overlay to bridge deck slab.
- 5. Perform ¼" diamond grinding to bridge deck and pier hatched blocks.
- 6. Perform Bridge Deck Grooving (Longitudinal) for the 3" Bridge Deck Latex Concrete Overlay and reconstructed pier expansion joint areas.
- Apply 2" Stone-Matrix Asphalt (SMA)
 Overlay to the approach pavement and taper
 into existing roadway. See Roadway Plans.
- 8. Apply Protective Coat to the top of reconstructed transverse joint areas, the surface of the new overlay, and the top and inside faces of the parapets.
- 9. Perform Fiber wrap repair of PPC beams.
- 10. Perform slope wall repairs.

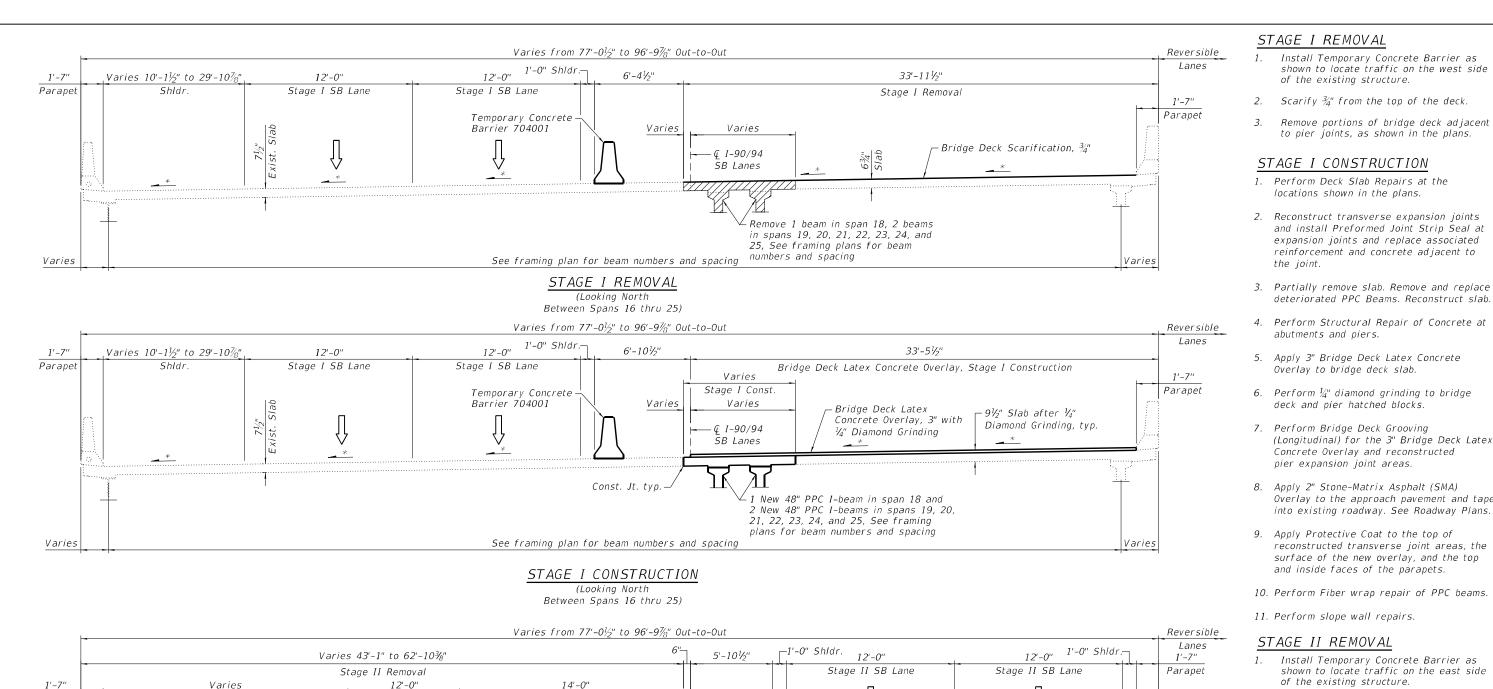
FINAL CROSS SECTION

(Looking North Between Spans 1 thru 15)

Match existing deck surface profile



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PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
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1'-7" 12'-0" 14'-0" Varies Parapet Temporary Concrete -Barrier 704001 -Bridge Deck € I-90/94 Scarification, 3/4" SB Lanes Const. Jt. typ.

> See framing plan for beam numbers and spacing STAGE II REMOVAL

> > (Looking North Between Spans 16 thru 25)

Remove 2 beams in spans

21, 22, & 23, See framing plans for beam numbers and spacing

Concrete Removal

* Match existing deck surface profile

Varies

Varies

LEGEND

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∠PPC I-beams, typ.

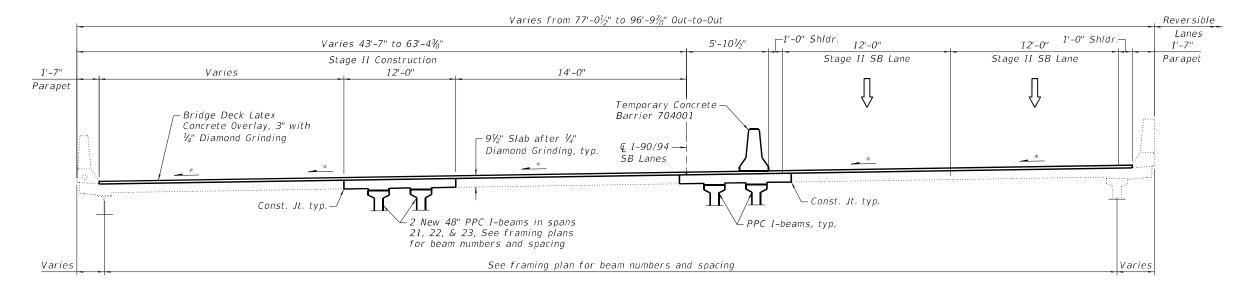
STAGE CONSTRUCTION DETAILS III SN 016-0133 (SB) SHEET S08-09 OF S08-138 SHEETS

SECTION COUNTY 2020-004-BR COOK 1492 704 CONTRACT NO. 62K74

expansion joints and replace associated reinforcement and concrete adjacent to

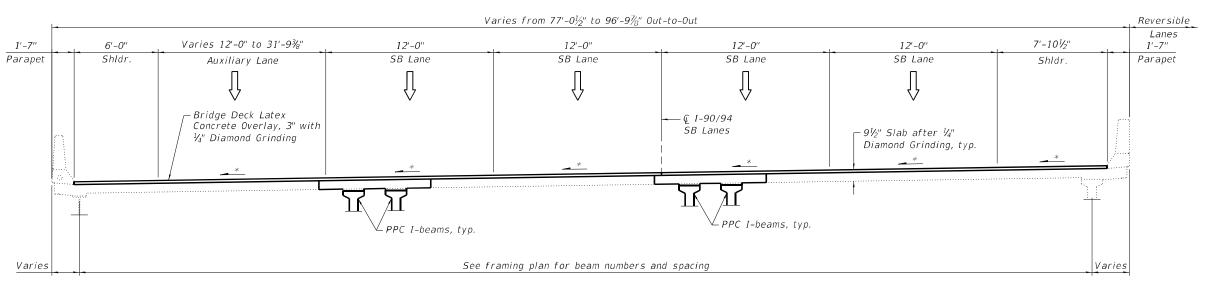
- deteriorated PPC Beams. Reconstruct slab.
- 4. Perform Structural Repair of Concrete at abutments and piers.
- 5. Apply 3" Bridge Deck Latex Concrete Overlay to bridge deck slab.
- 6. Perform ¼" diamond grinding to bridge deck and pier hatched blocks.
- 7. Perform Bridge Deck Grooving (Longitudinal) for the 3" Bridge Deck Latex Concrete Overlay and reconstructed pier expansion joint areas.
- 8. Apply 2" Stone-Matrix Asphalt (SMA) Overlay to the approach pavement and taper into existing roadway. See Roadway Plans.
- 9. Apply Protective Coat to the top of reconstructed transverse joint areas, the surface of the new overlay, and the top and inside faces of the parapets.

- Install Temporary Concrete Barrier as shown to locate traffic on the east side of the existing structure.
- Scarify $\frac{3}{4}$ " from the top of the deck.
- Remove portions of bridge deck adjacent to pier joints, as shown in the plans.



STAGE II CONSTRUCTION

(Looking North Between Spans 16 thru 25)



STAGE II CONSTRUCTION

- 1. Perform Deck Slab Repairs at the locations shown in the plans.
- 2. Reconstruct transverse expansion joints and install Preformed Joint Strip Seal at expansion joints and replace associated reinforcement and concrete adjacent to the joint.
- 3. Partially remove slab. Remove and replace deteriorated PPC Beams. Reconstruct slab.
- 4. Perform Structural Repair of Concrete at abutments and piers.
- 5. Apply 3" Bridge Deck Latex Concrete Overlay to bridge deck slab.
- 6. Perform ¼" diamond grinding to bridge deck and pier hatched blocks.
- 7. Perform Bridge Deck Grooving (Longitudinal) for the 3" Bridge Deck Latex Concrete Overlay and reconstructed pier expansion joint areas.
- 8. Apply 2" Stone-Matrix Asphalt (SMA) Overlay to the approach pavement and taper into existing roadway. See Roadway Plans.
- Apply Protective Coat to the top of reconstructed transverse joint areas, the surface of the new overlay, and the top and inside faces of the parapets.
- 10. Perform Fiber wrap repair of PPC beams.
- 11. Perform slope wall repairs.

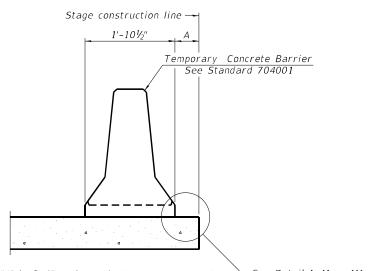
FINAL CROSS SECTION

(Looking North Between Spans 16 thru 25)

Match existing deck surface profile



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∽ See Detail I, II or III 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

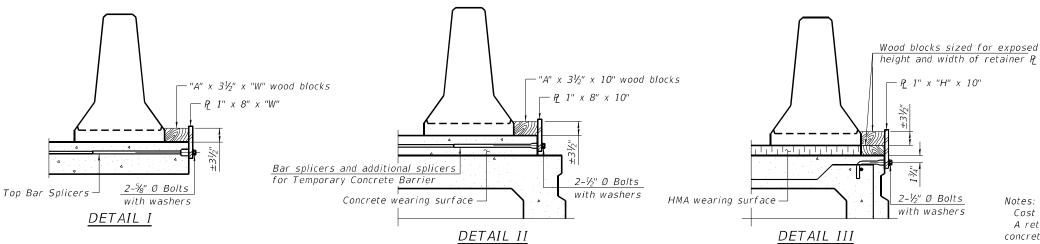
- Stage removal line ← Stage removal line 1'-101/2" 1'-101/2" Temporary Concrete Barrier See Standard 704001 6" min. min. Drill 3-11/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

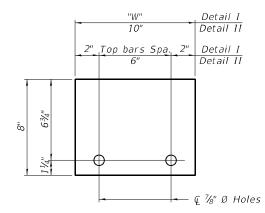
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

SECTIONS THRU SLAB OR DECK BEAM

EXISTING SLAB





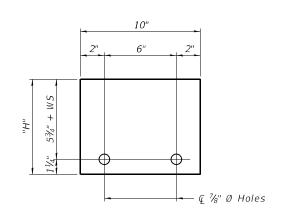
STEEL RETAINER P 1" x 8" x "W"

(Detail I and II)

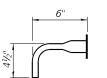
RAILING CRITERIA

NCHRP 350 Test Level Railing Weight (plf)

R-2710-12-2021



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



RESTRAINING PIN

BAR SPLICER FOR #4 BAR - DETAIL III

Cost of retainer assembly is included with Temporary Concrete Barrier. A retainer assembly shall be located at the approximate Q of each temporary concrete barrier.

1x8 UNC

1" Ø pin

US Std. 11/16" I.D. x 21/2" O.D. x approx. 8 gauge thick washer

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 $1\frac{1}{2}$ ", 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.

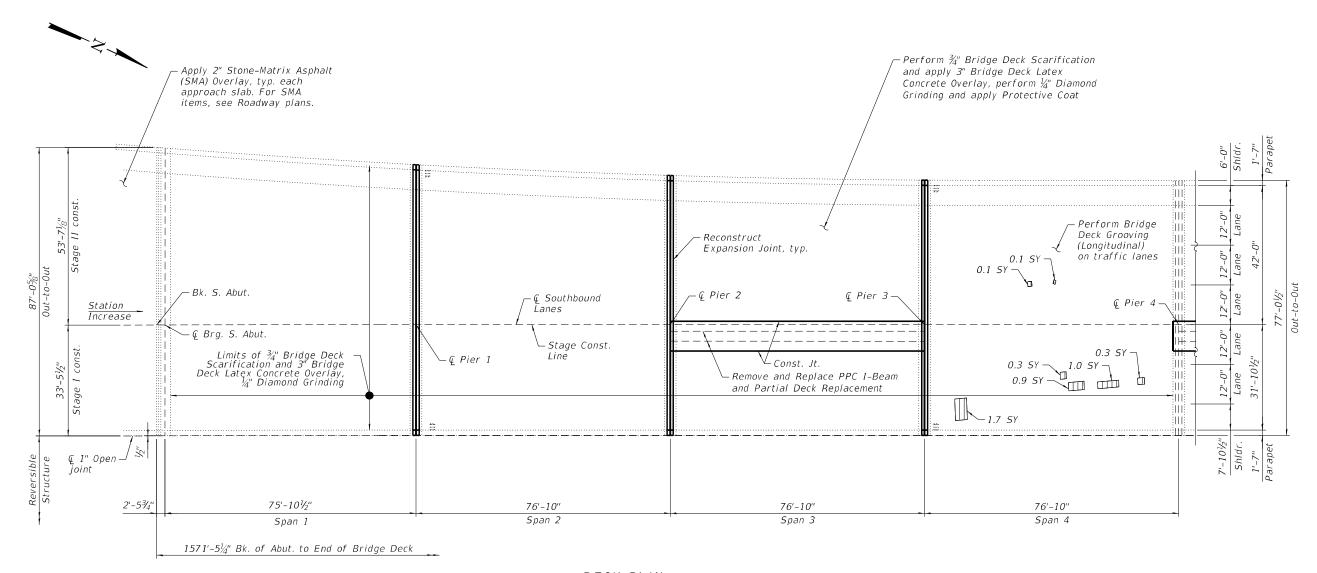
- Detail I Installation for a new bridge deck or bridge slab.
- Detail II Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate 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.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTION COUNTY **TEMPORARY CONCRETE BARRIER** 2020-004-BR COOK 1492 706 SN 016-0133 (SB) CONTRACT NO. 62K74 SHEET S08-11 OF S08-138 SHEETS



DECK PLAN

NOTES:

- 1. In Spans with partial deck removal and replacement, replacement deck shall cure and reach design strength prior to Scarification.
- Areas of deck repair shown are estimated. The Engineer shall show actual locations of deck repairs at the time of construction.
- 3. For bridge deck final cross section, see Sheet S08-08 & S08-10.
- 4. For transverse joint removal and reconstruction details, see Sheet S08-37 thru S08-76.
- 5. Perform Bridge Deck Grooving (Longitudinal) on traffic
- 6. Perform $\frac{1}{4}$ " Diamond Grinding to top of bridge deck and abutment hatched block.
- 7. Protective Coat shall be applied to the top of reconstructed transverse joints, top and inside face of parapets and top of latex concrete overlay.

- 8. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to Concrete Removal.
- The Contractor shall exercise extreme caution during concrete removal to avoid damaging the steel beams and diaphragms to remain. Any damage to the existing steel beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer at no cost to the Department.
- 10. For PPC I-Beam and diaphragm designations for removal and replacement, see sheets S08-78 thru S08-84.

LEGEND

*

* Deck Slab Repair (Partial Depth)

SY

Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

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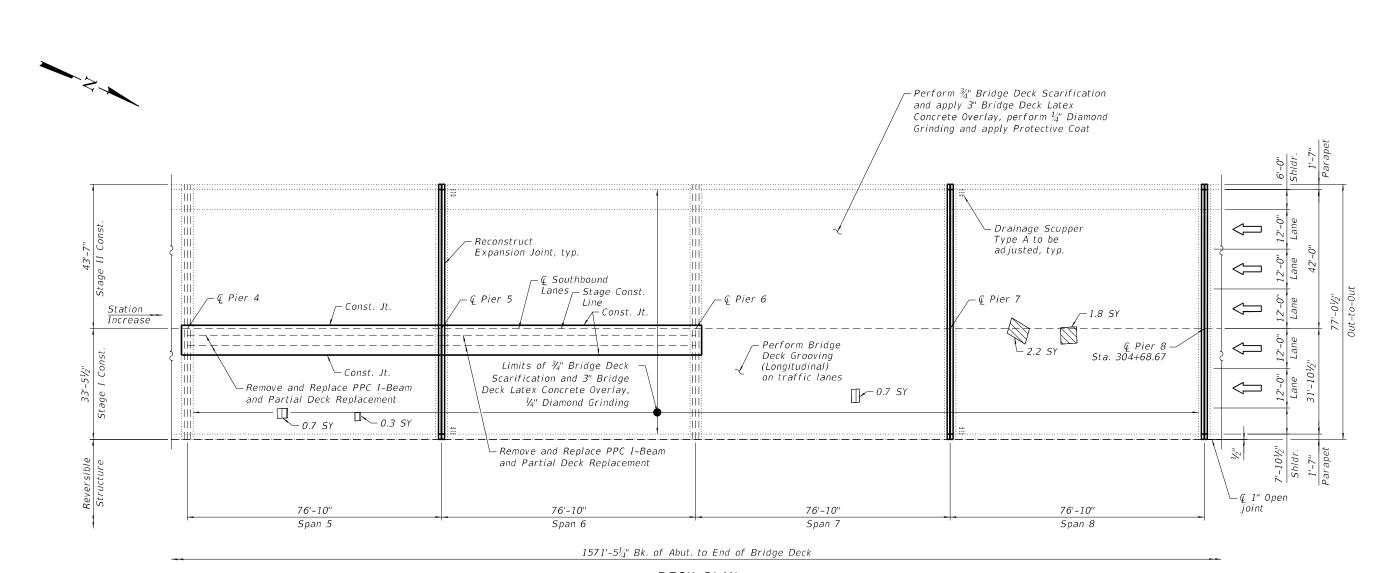
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK REPAIR PLAN AND DETAILS I SN 016-0133 (SB)
 F.A.I. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEETS NO.

 90
 2020-004-BR
 COOK
 1492
 707

 CONTRACT NO. 62K74



DECK PLAN

NOTES:

1. For Notes, see Sheet S08-12.

LEGEND

*Deck Slab Repair (Partial Depth)

Deck Slab Repair (Full Depth, Type I)

Deck Slab Repair (Full Depth, Type II) SY Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided

for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

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Perform ¾" Bridge Deck Scarification Reconstruct and apply 3" Bridge Deck Latex Expansion Joint, typ. Concrete Overlay, perform ¼" Diamond Grinding and apply Protective Coat 0.5 SY -Perform Bridge Limits of ¾" Bridge Deck Scarification and 3" Bridge Deck Latex Concrete Overlay, Deck Grooving Remove and Replace (Longitudinal) PPC I-Beam and on traffic lanes V_4 " Diamond Grinding Partial Deck Replacement -0.9 SY @ Pier 10 -- @ Pier 13 − @ Pier 8 - @ Pier 14 Southbound -Preformed Jt. Seal 1" See Detail Station . Lanes Const. Jt Increase - *Ç* Pier 11 └─ Stage Const. -0.2 SY Line └─ Const. Jt. - Const. Jt. _ 0.2 SY \triangleleft Remove and Replace PPC I-Beam 0.1 SY and Partial Deck Replacement 7'-10½" ShIdr. € 1" Open

DECK PLAN

57'-5½"

Span 11

41'-9<u>%</u>"

Span 13

1571'-51/4" Bk. of Abut. to End of Bridge Deck

68'-0%"

Span 14

Field applied silicone corner beads and silicone band forced down along side as shown. (Both Sides) ***Pactory applied and cured traffic grade silicone facing. ***Pactory applied and cured traffic grade silicone facing grade silicone facing grade silicone facing grade silico

56'-3⁷/8''

Span 10

38'-31/4"

Span 9

**Before ¼" diamond grinding

PERFORMED JOINT SEAL 1"

(Span 14 Longitudinal Joint)

<u>NOTES:</u>

68'-3<u>%</u>"

Span 15

- Cost of removal of existing silicone joint sealer at Span 14 longitudinal joint included with Preformed Joint Seal 1".
- 2. For Additional notes, see Sheet S08-12.

LEGEND

*Deck Slab Repair (Partial Depth)

Deck Slab Repair (Full Depth, Type I)

Deck Slab Repair (Full Depth, Type II)

Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

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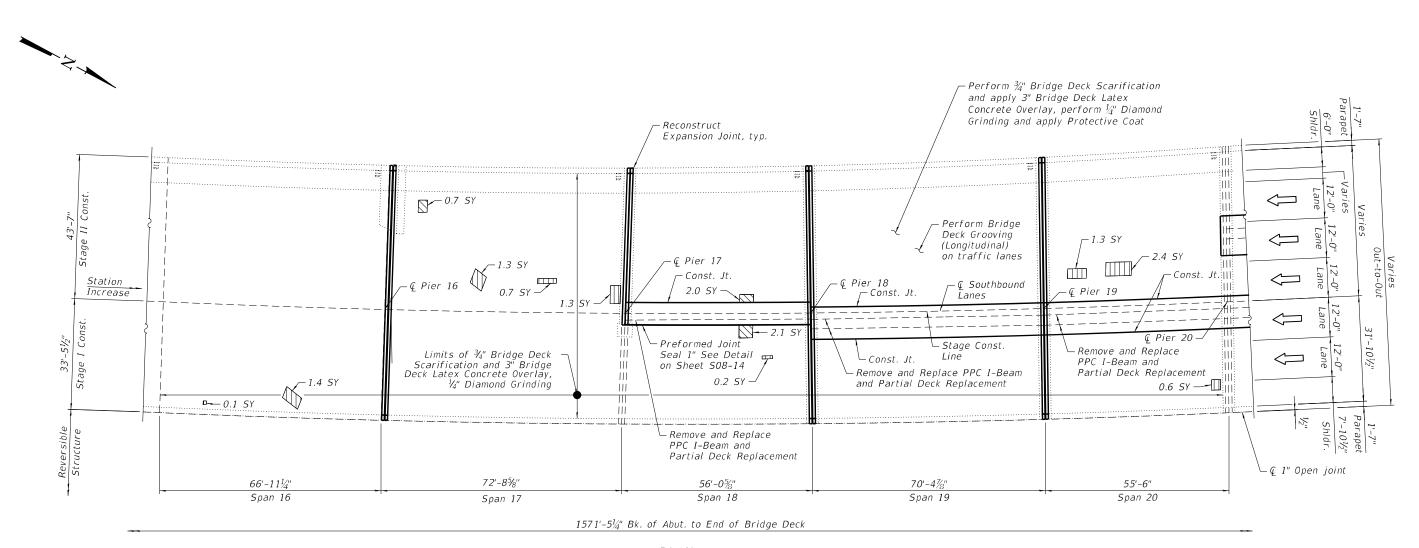
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK REPAIR PLAN AND DETAILS III
SN 016-0133 (SB)
SHEET S08-14 OF S08-138 SHEETS



<u>PLAN</u>

NOTES:

1. For Notes, see Sheet S08-12.

LEGEND

*Deck Slab Repair (Partial Depth)

Deck Slab Repair (Full Depth, Type II)

SY

Square Yard

* Areas of Deck Slab Repair (Partial Depth) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 3 Inches

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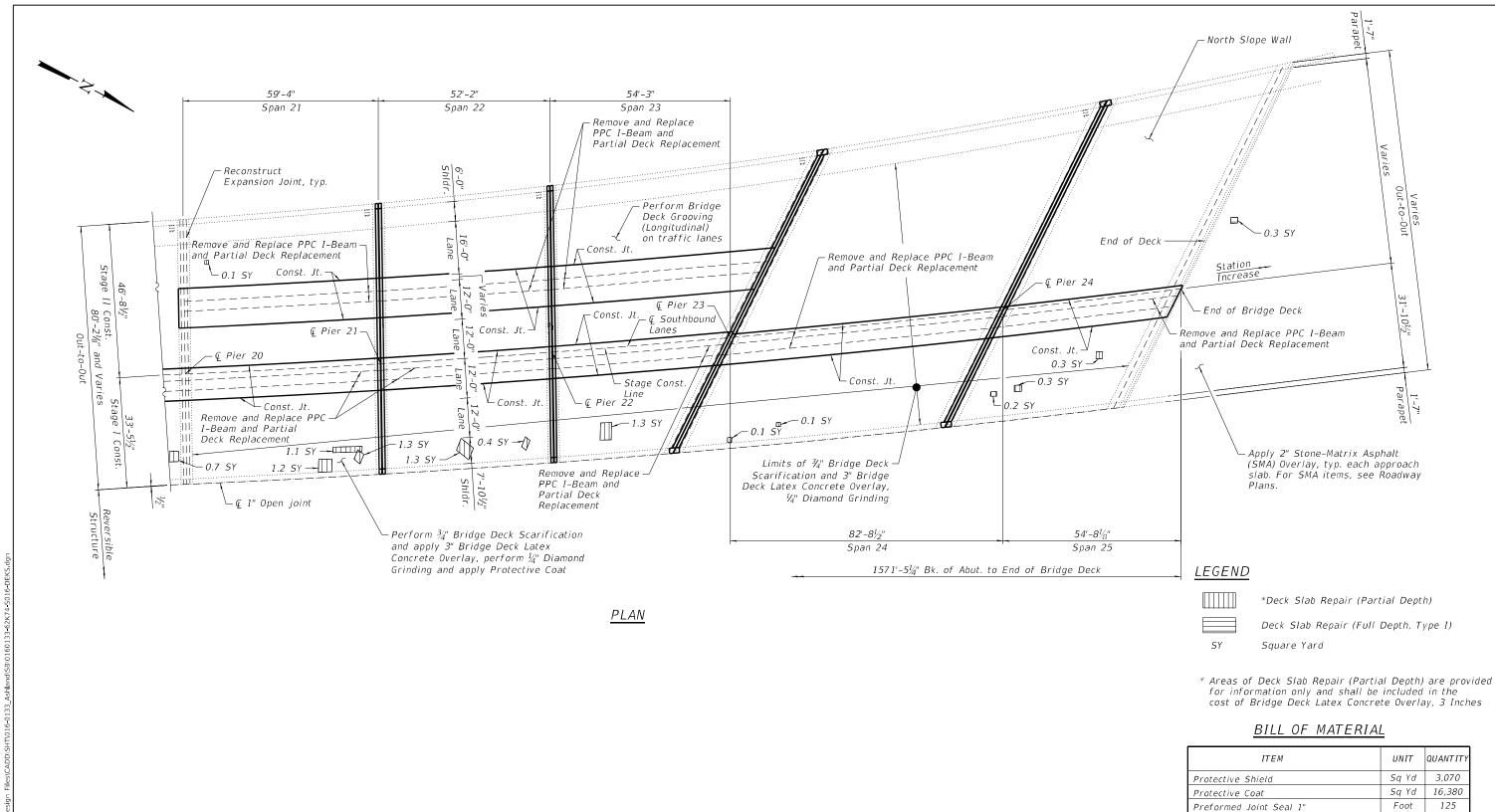
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK REPAIR PLAN AND DETAILS IV SN 016-0133 (SB)
 F.A.I. RTE.
 SECTION
 COUNTY
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 SHEET NO.

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 2020-004-BR
 COOK
 1492
 710

 CONTRACT NO. 62K74



NOTES:

1. For Notes, see Sheet S08-12.

ITEM	UNIT	QUANTITY
Protective Shield	Sq Yd	3,070
Protective Coat	Sq Yd	16,380
Preformed Joint Seal 1"	Foot	125
Protect and Maintain Existing Underpass Luminaire	L Sum	0.076
Bridge Deck Grooving (Longitudinal)	Sq Yd	10,394
Bridge Deck Latex Concrete Overlay, 3 Inches	Sq Yd	14,282
Bridge Deck Scarification 3/4"	Sq Yd	14,282
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1.0
Deck Slab Repair (Full Depth, Type II)	Sq Yd	8.8
Diamond Grinding (Bridge Section)	Sq Yd	14,510
Maintenance of Lighting System	Cal Mo	6

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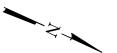
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

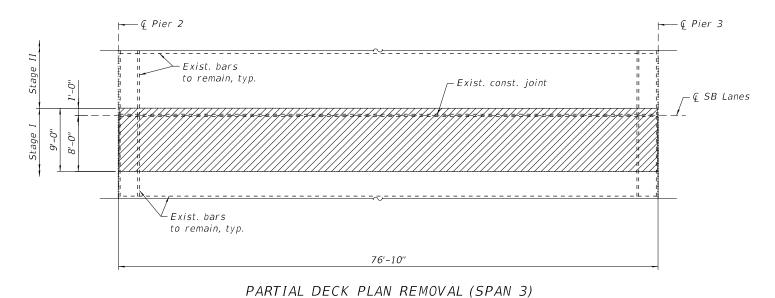
BRIDGE DECK REPAIR PLAN AND DETAILS V SN 016-0133 (SB)
 F.A.I. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL NO.
 SHEE'S NO.

 90
 2020-004-BR
 COOK
 1492
 711

 CONTRACT NO. 62K74





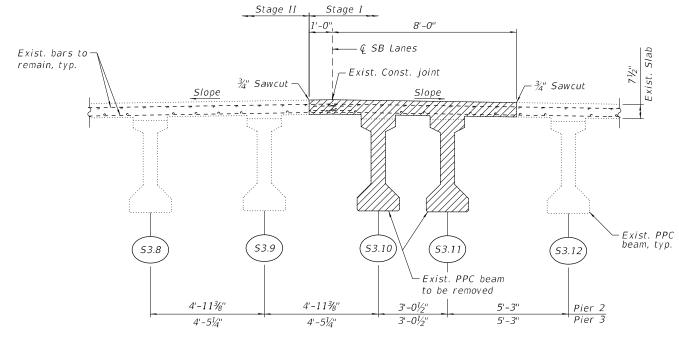


Exist. bars and shall be cleaned, straightened to remain, typ. and incorporated into the new – Const. joint construction, typ. 8x3-#5 b200(E) bars, spaced as shown in cross section below Bott. 10x3-#5 b200(E) bars 99-#5 a200(E) bars @ 9" cts. Top @ 12" cts. Top 82-#5 a200(E) bars @ 11" cts. Bott. - Mechanical Splicer typ. See Sheet 508-138 Const. joint -Const. joint *4-#7 a201(E) bars @ 6" cts. Top *4-#7 a201(E) bars @ 6" cts. Top 5-#6 a202(E) bars @ 6" cts. Bott 5-#6 a202(E) bars @ 6" cts. Bott. 76'-10" PARTIAL DECK RECONSTRUCTION PLAN (SPAN 3)

Stage II

* For additional reinforcement, see Sheet S08-39 & S08-41.

** Alternates with #5 b200(E) bars



PARTIAL CROSS SECTION REMOVAL (SPAN 3)

Exist. bars to remain, cut as needed -8'-0" and shall be cleaned, straightened 1'-0" min. and incorporated into the new -Ç SB Lanes typ. construction, typ. - Mechanical Splicer typ. Const. a200(E) – Const. joint joint b200(E) Exist. bars to remain, typ. Exist. PPC beam, typ. 53.9 (53.10 53.8 53.11 (53.12) New 48" PPC I-beam 4'-113%" 4'-113/8" 5'-3" Pier 2 3'-01/2" 4'-51/4" 4'-51/4"

Stage I

NOTES:

PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 3) *** Match existing slope

1. For section L-L, K-K, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.

Expansion joint removals and replacements not shown for clarity.

LEGEND

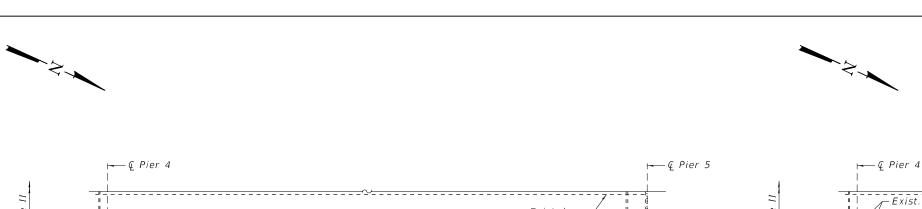
Concrete Removal and Removal of Existing Concrete I-Beam

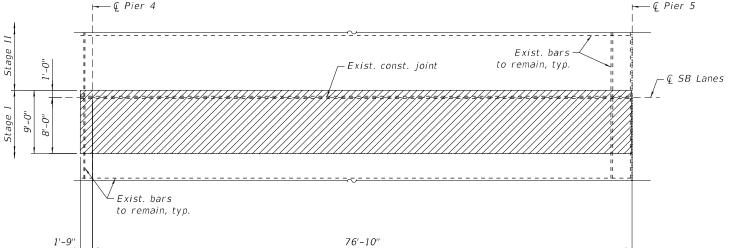
Each End

	USER NAME =	DESIGNED	-	J.T.B.	REVISED	-
		CHECKED	-	H.A.	REVISED	-
	PLOT SCALE =	DRAWN	-	D.C.P.	REVISED	-
2	PLOT DATE =	CHECKED	-	K.G.W.	REVISED	-

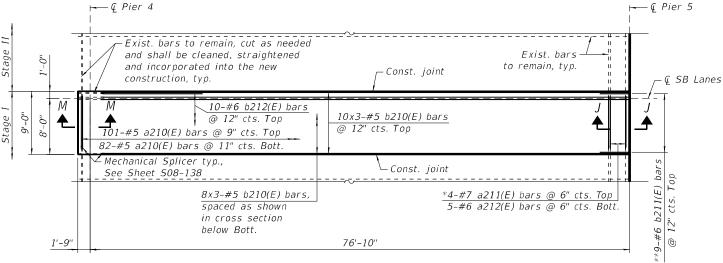
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK & BEAM REPLACEMENT DETAILS (SPAN 3) SN 016-0133 (SB)		SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
		2020-004-BR			соок	1492	712
					CONTRAC	T NO. 62	2K74
SHEET S08-17 OF S08-138 SHEETS			ILLINOIS	FED. All	D PROJECT		



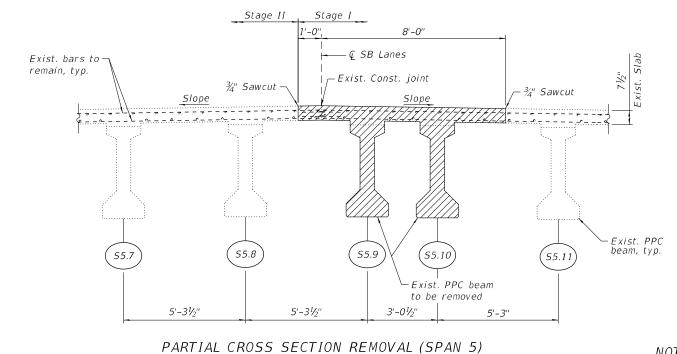


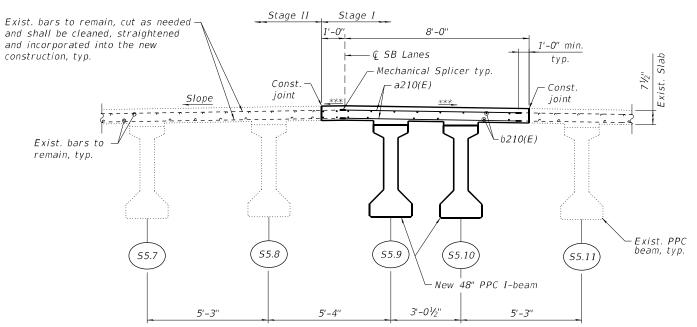
PARTIAL DECK PLAN REMOVAL (SPAN 5)



PARTIAL DECK RECONSTRUCTION PLAN (SPAN 5)

- * For additional reinforcement, see Sheet S08-43.
- ** Alternates with #5 b210(E) bars





NOTES:

- PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 5) *** Match existing slope
- 1. For section J-J, M-M, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet 508-33 to 508-35.
- Expansion joint removals and replacements not shown for clarity.

GR@EF

Concrete Removal and Removal of Existing Concrete I-Beam

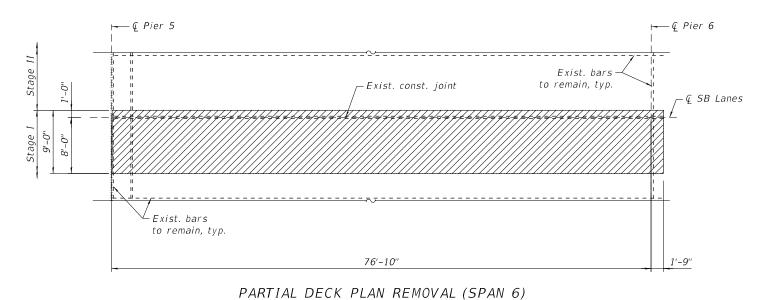
LEGEND

	USER NAME =	DESIGNED	-	J.T.B.	REVISED	-
		CHECKED	-	H.A.	REVISED	-
	PLOT SCALE =	DRAWN	-	D.C.P.	REVISED	-
2	PLOT DATE =	CHECKED	-	K.G.W.	REVISED	-

DECK & BEAM REPLACEMENT DETAILS (SPAN 5) SN 016-0133 (SB)		SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
		2020-004-BR			соок	1492	713
					CONTRAC	T NO. 62	2K74
SHEET S08-18 OF S08-138 SHEETS			ILLINOIS	FED. All	D PROJECT		



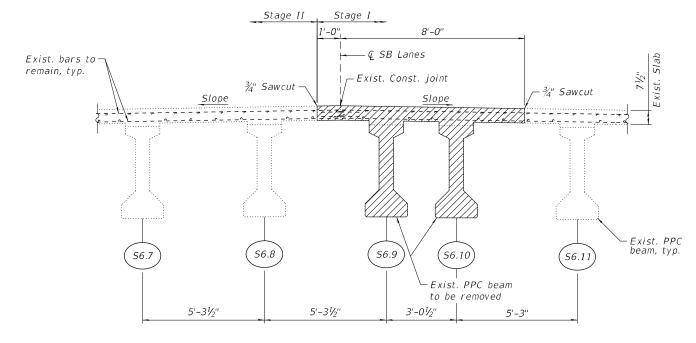




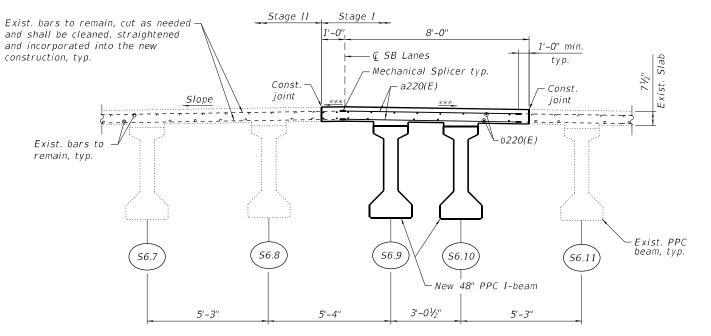
--- € Pier 5 Exist. bars to remain, cut as needed and shall be cleaned, straightened to remain, typ. and incorporated into the new — Const. joint € SB Lanes construction, typ. 10-#6 b222(E) bars 10x3-#5 b220(E) bars @ 12" cts. Top @ 12" cts. Top 101-#5 a220(E) bars @ 9" cts. Top - Mechanical Splicer typ. See Sheet S08-138 └─ Const. joint *4-#7 a221(E) bars @ 6" cts. Top 5-#6 a222(E) bars @ 6" cts. Bott. 8x3-#5 b220(E) bars, spaced as shown in cross section below Bott. 1'-9"

PARTIAL DECK RECONSTRUCTION PLAN (SPAN 6)

- * For additional reinforcement, see Sheet S08-43.
- ** Alternates with #5 b220(E) bars



PARTIAL CROSS SECTION REMOVAL (SPAN 6)



NOTES:

- 1. For section J-J, M-M, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet 508-33 to 508-35.
- Expansion joint removals and replacements not shown for clarity.

PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 6)

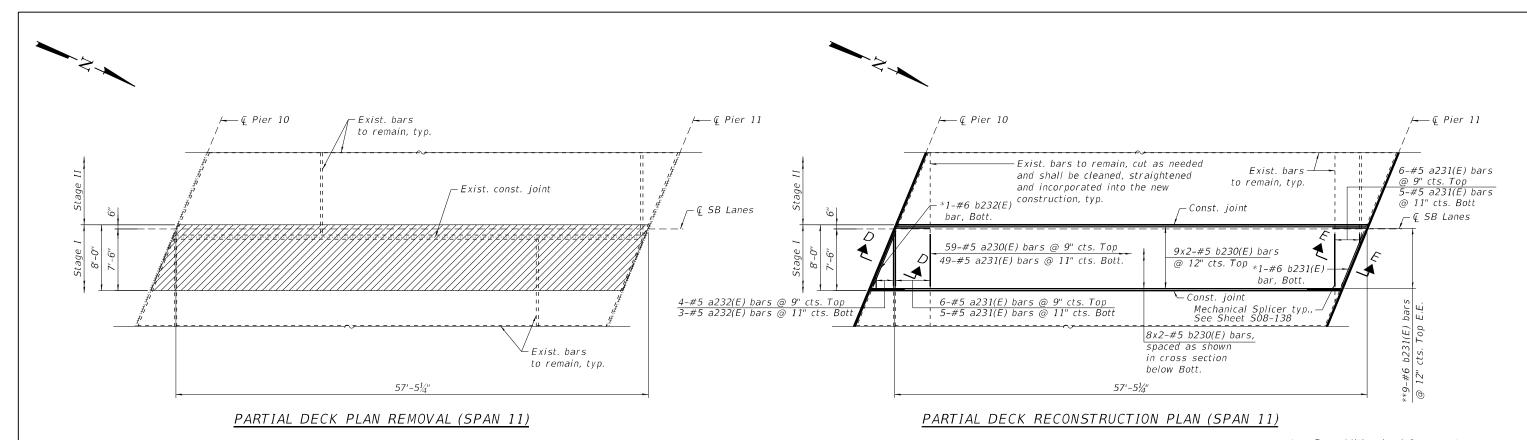
*** Match existing slope

LEGEND

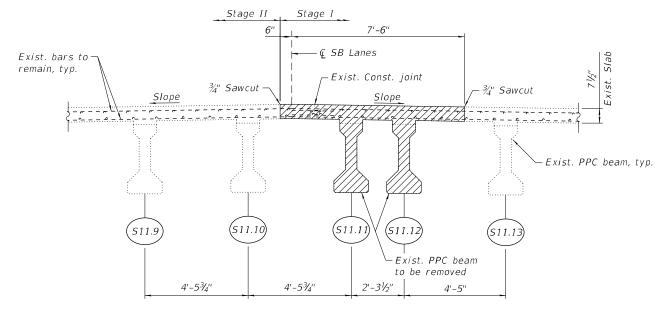
Concrete Removal and Removal of Existing Concrete I-Beam

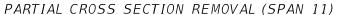
	USER NAME =	DESIGNED -	J.T.B.	REVISED -
		CHECKED -	H.A.	REVISED -
	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
112	PLOT DATE =	CHECKED -	K.G.W.	REVISED -

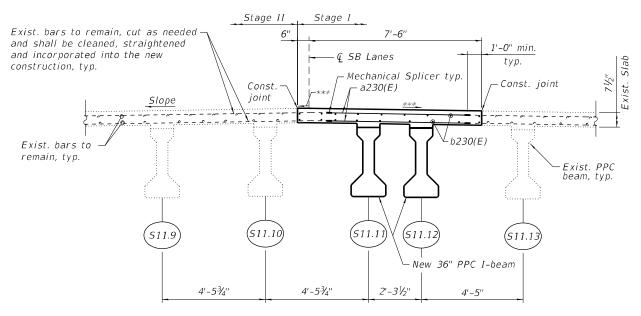
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DECK & BEAM REPLACEMENT DETAILS (SPAN 6)** SECTION 2020-004-BR COOK 1492 714 SN 016-0133 (SB) CONTRACT NO. 62K74 SHEET S08-19 OF S08-138 SHEETS



- For additional reinforcement, see Sheet S08-51 & S08-53.
- ** Alternates with #5 b230(E) bars







PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 11)

*** Match existing slope

NOTES:

- 1. For section D-D, E-E, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet 508-33 to 508-35.
- Cut #5 a231(E) and a232(E) bars to fit skew.
- Expansion joint removals and replacements not shown for clarity.



Concrete Removal and

Removal of Existing Concrete I-Beam

Each End

1	DESIGNED -	J.T.B.	REVISED -
	CHECKED -	H.A.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

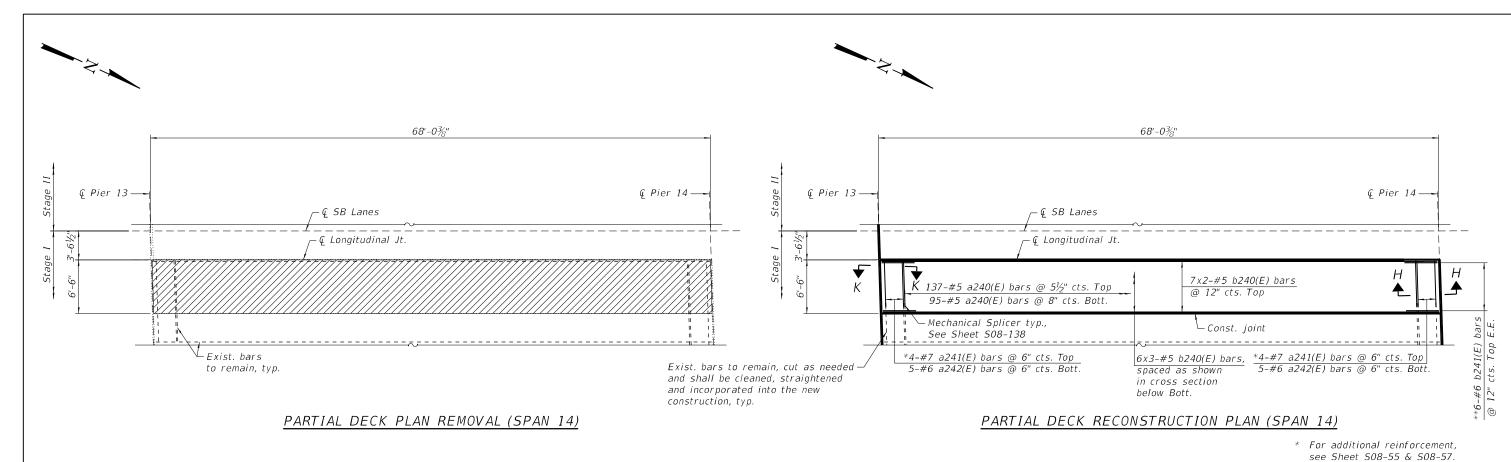
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

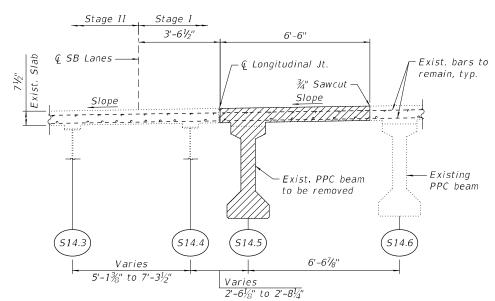
DECK & BEAM REPLACEMENT DETAILS (SPAN 11) SN 016-0133 (SB)	
SHEET S08-20 OF S08-138 SHEETS	

F.A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHE
90	2020-004-BR		соок	1492	715
			CONTRAC	T NO. 62	2K74
	ILLINOIS	FED. A	D PROJECT		

LEGEND

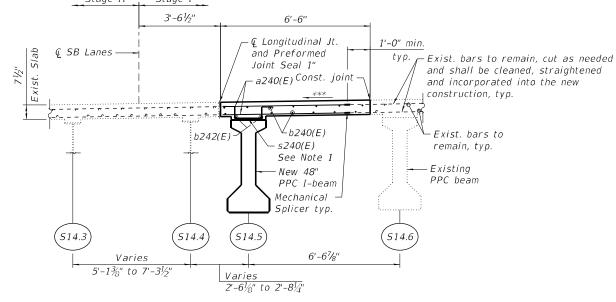
E.E.







** Alternates with #5 b240(E) bars Stage I Stage II



PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 14)

*** Match existing slope

NOTES:

- 1. For section H-H, K-K, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.
- 2. Expansion joint removals and replacements not shown for clarity.



Concrete Removal and

Removal of Existing Concrete I-Beam

Each End

LEGEND

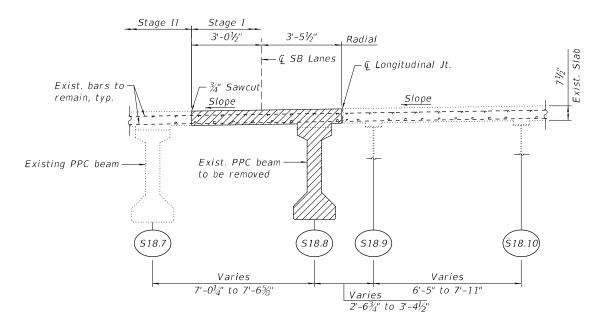
E.E.

USER NAME =	DESIGNED	-	J.T.B.	REVISED	-
	CHECKED	-	H.A.	REVISED	-
PLOT SCALE =	DRAWN	-	D.C.P.	REVISED	-
PLOT DATE =	CHECKED	-	K.G.W.	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DECK & BEAM REPLACEMENT DETAILS (SPAN 14)** SN 016-0133 (SB) SHEET S08-21 OF S08-138 SHEETS

SECTION COUNTY 2020-004-BR COOK 1492 716 CONTRACT NO. 62K74

PARTIAL DECK PLAN REMOVAL (SPAN 18)



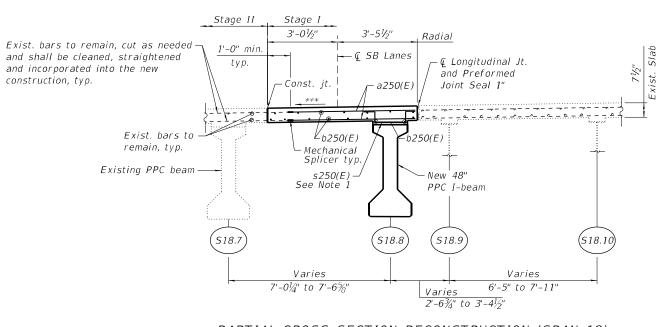
PARTIAL CROSS SECTION REMOVAL (SPAN 18)

56'-05%" Exist. bars to remain, cut as needed and shall be cleaned, straightened 7x3-#5 b250(E) bars, and incorporated into the new @ Pier 17 spaced as shown @ Pier 18 construction, typ. in cross section below Bott. - Mechanical Splicer typ., See Sheet S08–138 — Const. joint − **Q** SB Lanes 7x3-#5 b250(E) bars @ 12" cts. Top 7111-#5 a250(E) bars @ 5½" cts. Top 77-#5 a250(E) bars @ 8" cts. Bott. – Ç Longitudinal Jt. *4-#7 a251(E) bars @ 6" cts. Top *4-#7 a251(E) bars @ 6" cts. Top 5-#6 a252(E) bars @ 6" cts. Bott. 5-#6 a252(E) bars @ 6" cts. Bott.

PARTIAL DECK RECONSTRUCTION PLAN (SPAN 18)

* For additional reinforcement, see Sheet S08-61 & S08-63.

** Alternates with #5 b250(E) bars



PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 18)

*** Match existing slope

NOTES:

- For section H-H, J-J, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.
- Expansion joint removals and replacements not shown for clarity.

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Concrete Removal and

Removal of Existing Concrete I-Beam

Each End

LEGEND

 USER NAME
 =
 DESIGNED
 J.T.B.
 REVISED

 CHECKED
 H.A.
 REVISED

 PLOT SCALE
 =
 DRAWN
 D.C.P.
 REVISED

 PLOT DATE
 =
 CHECKED
 K.G.W.
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK & BEAM REPLACEMENT DETAILS (SPAN 18)

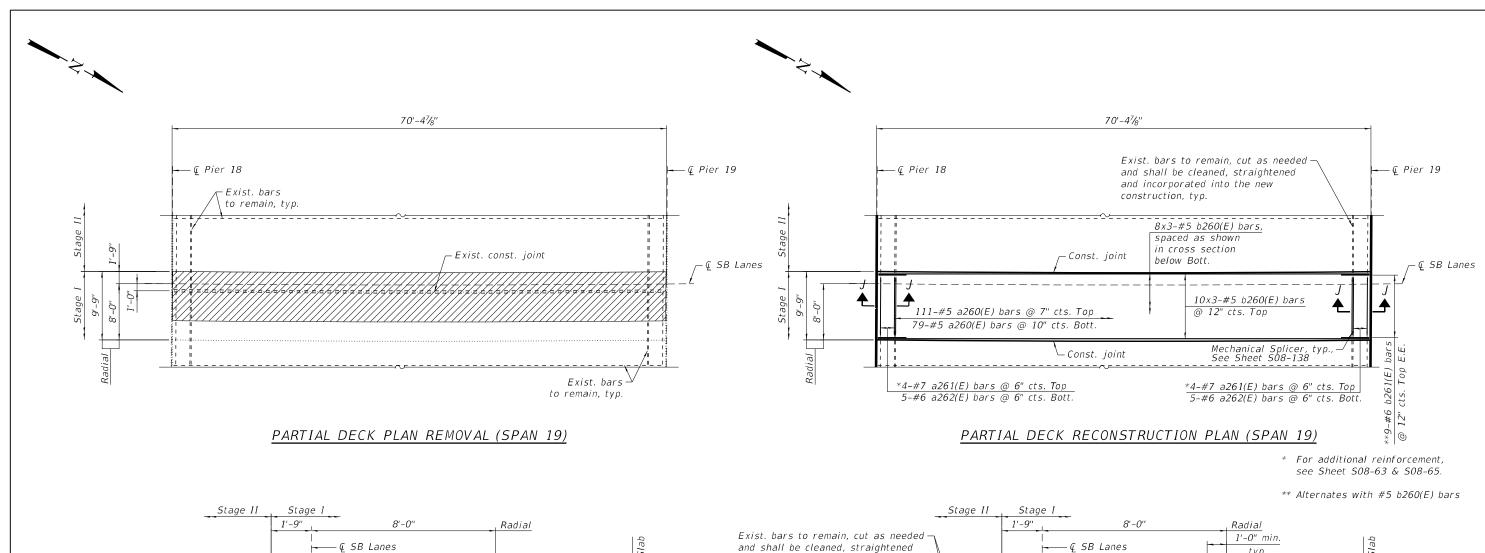
SN 016-0133 (SB)

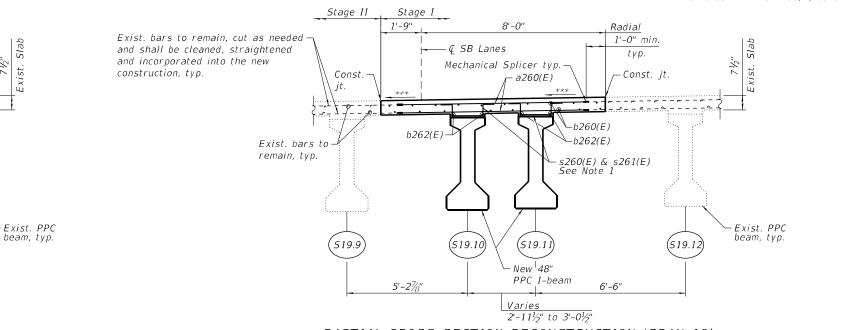
SHEET S08-22 OF S08-138 SHEETS

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:L: \$MODELNAME\$ JAME: X:\OH\2020\202





PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 19)

*** Match existing slope

NOTES:

- 1. For section J-J, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.
- Expansion joint removals and replacements not shown for clarity.



DESIGNED REVISED . J.T.B. CHECKED H.A. REVISED -DRAWN D.C.P. REVISED CHECKED -K.G.W. REVISED

(519.10

5'-2%"

- Exist. Const. joint

(519.11)

Varies

PARTIAL CROSS SECTION REMOVAL (SPAN 19)

Exist. PPC beam

to be removed

2'-11½" to 3'-0½"

¾" Sawcut -

519.9

Exist. bars to

remain, typ.

−¾" Sawcut

(519.12)

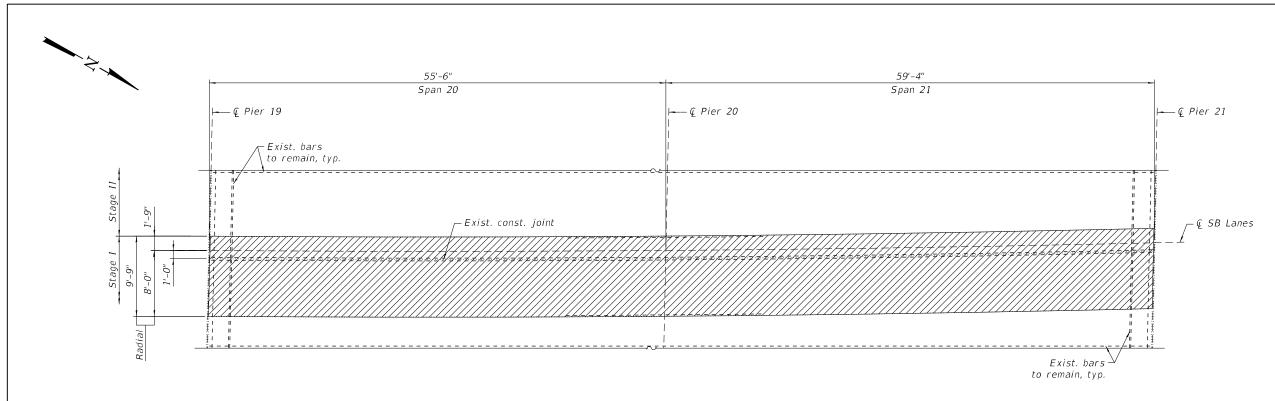
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DECK & BEAM REPLACEMENT DETAILS (SPAN 19)** SN 016-0133 (SB) SHEET S08-23 OF S08-138 SHEETS

2020-004-BR COOK 1492 718 CONTRACT NO. 62K74

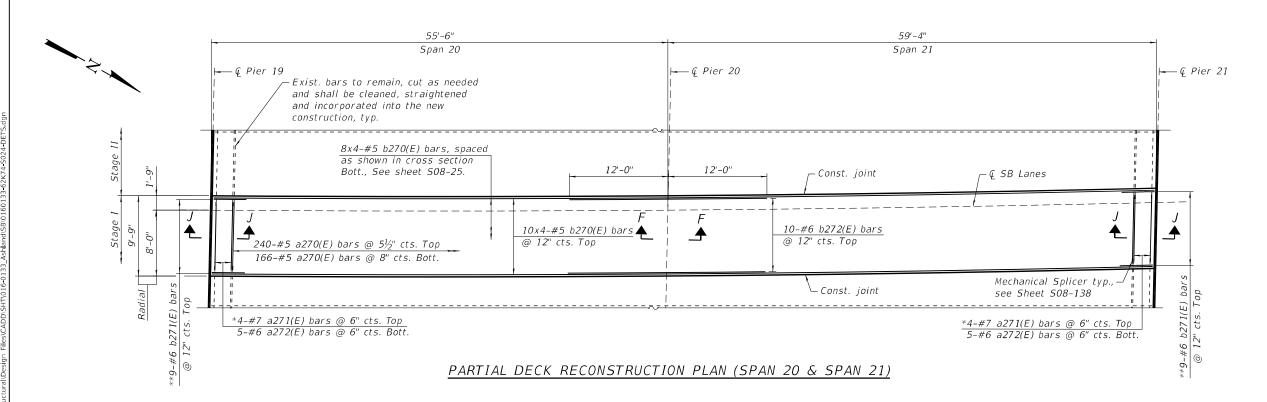
LEGEND

Concrete Removal and Removal of Existing Concrete I-Beam

Each End



PARTIAL DECK PLAN REMOVAL (SPAN 20 & SPAN 21)



- * For additional reinforcement, see Sheet S08-65 & S08-67.
- ** Alternates with #5 b270(E) bars

LEGEND

Concrete Removal and Removal of Existing Concrete I-Beam

NOTES:

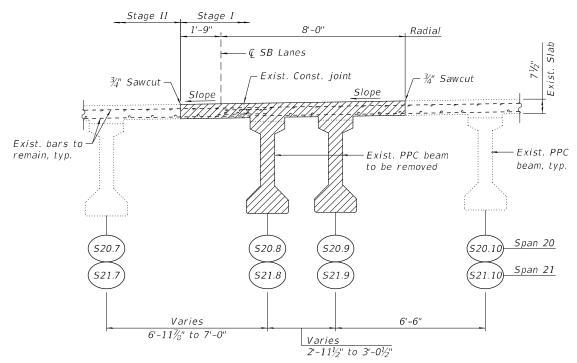
- 1. For section F-F, J-J, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.
- 2. Expansion joint removals and replacements not shown for clarity.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK & BEAM REPLACEMENT DETAILS I (SPAN 20 & SPAN 21)
SN 016-0133 (SB)
SHEET S08-24 OF S08-138 SHEETS

| FA.I. | SECTION | COUNTY | TOTAL | SHEET | NO. |
| 90 | 2020-004-BR | COOK | 1492 | 719 |
| CONTRACT NO. 62K74



PARTIAL CROSS SECTION REMOVAL (SPAN 20 & SPAN 21)

Stage II Stage I 1'-9" 8'-0" Exist. bars to remain, cut as needed — <u>1'-0"</u> min. and shall be cleaned, straightened – ⊊ SB Lanes typ. and incorporated into the new Mechanical Splicer, typ. construction, typ. Const. jt. – Const. jt – a270(E) b273(E), b274(E) or b275(E), typ. Exist. PPC New 48" s270(E) & -s271(E) beam, typ. PPC I-beam ∟Exist. bars to remain, typ. Span 20 (520.9 (520.10) Span 21 (521.10) Varies 6'-6" 6'-11½" to 7'-0" Varies 2'-11½" to 3'-0½"

PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 20 & SPAN 21)

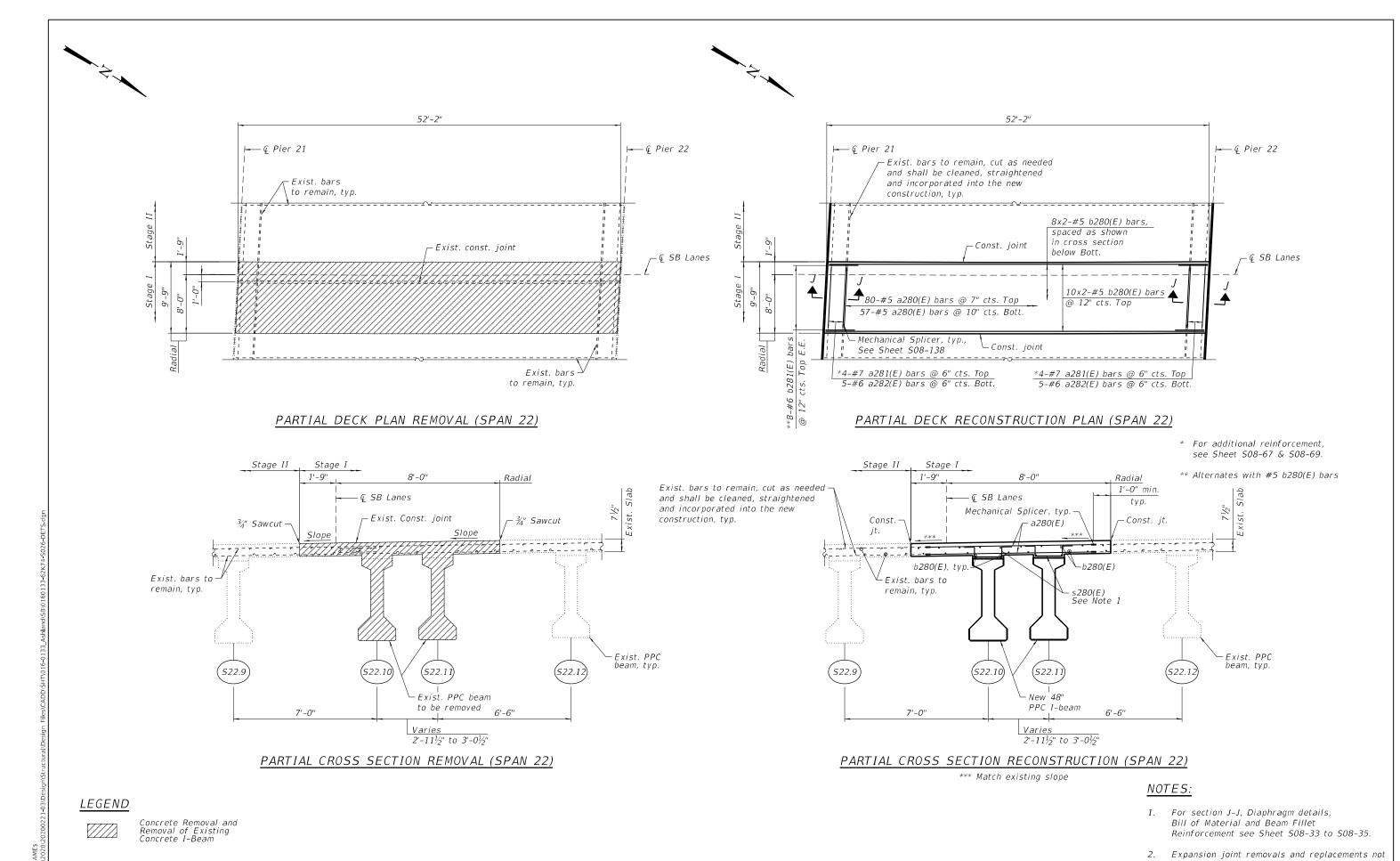
*** Match existing slope

LEGEND

Concrete Removal and Removal of Existing Concrete I-Beam

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8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112	H
	_

USER NAME =	DESIGNED -	J.T.B.	REVISED -
	CHECKED -	H.A.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -



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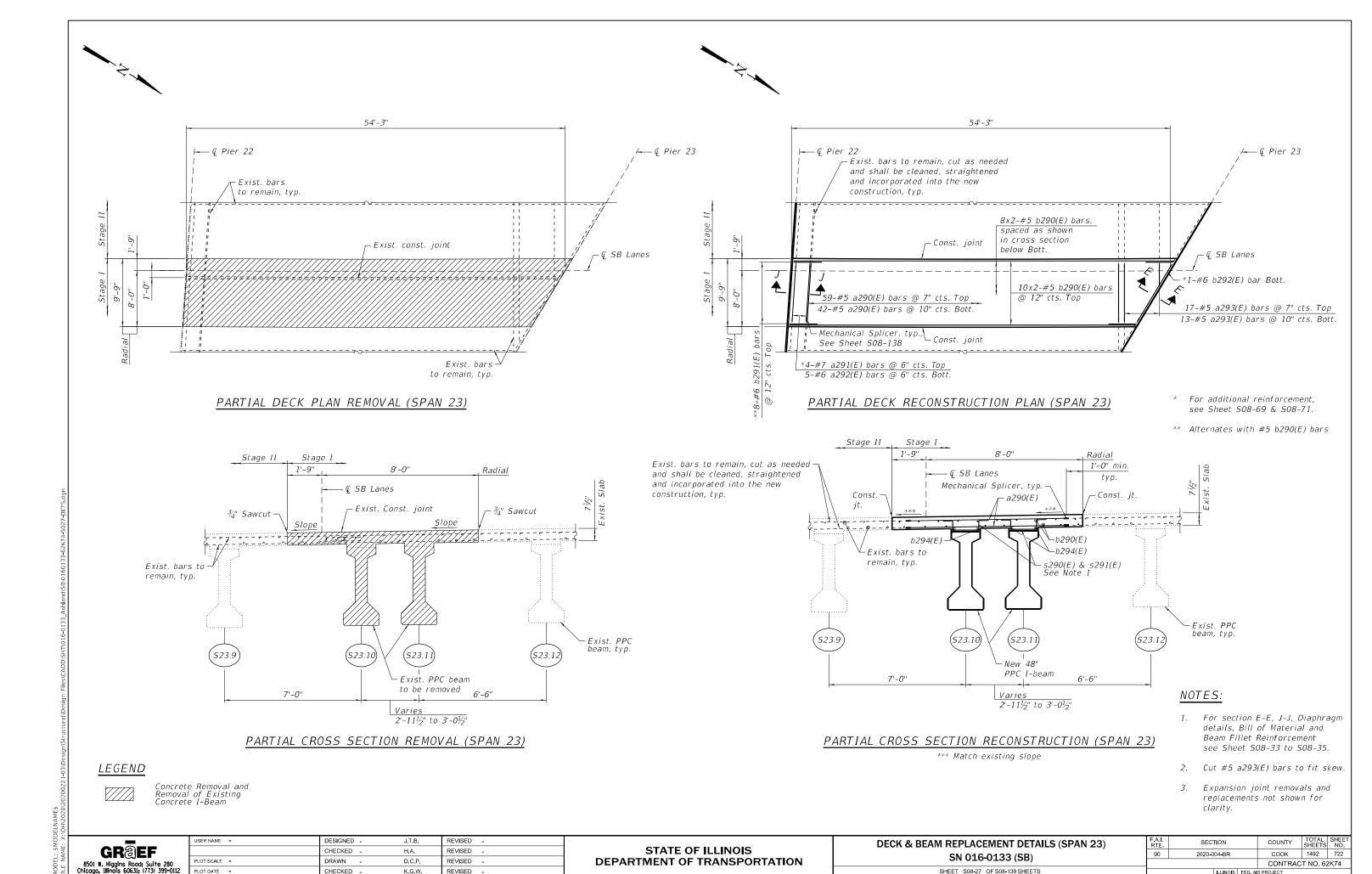
DESIGNED -REVISED J.T.B. CHECKED H.A. REVISED -DRAWN D.C.P. REVISED CHECKED -K.G.W. REVISED

DECK & BEAM REPLACEMENT DETAILS (SPAN 22) SN 016-0133 (SB) SHEET S08-26 OF S08-138 SHEETS

shown for clarity. COUNTY 2020-004-BR

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

COOK 1492 721 CONTRACT NO. 62K74

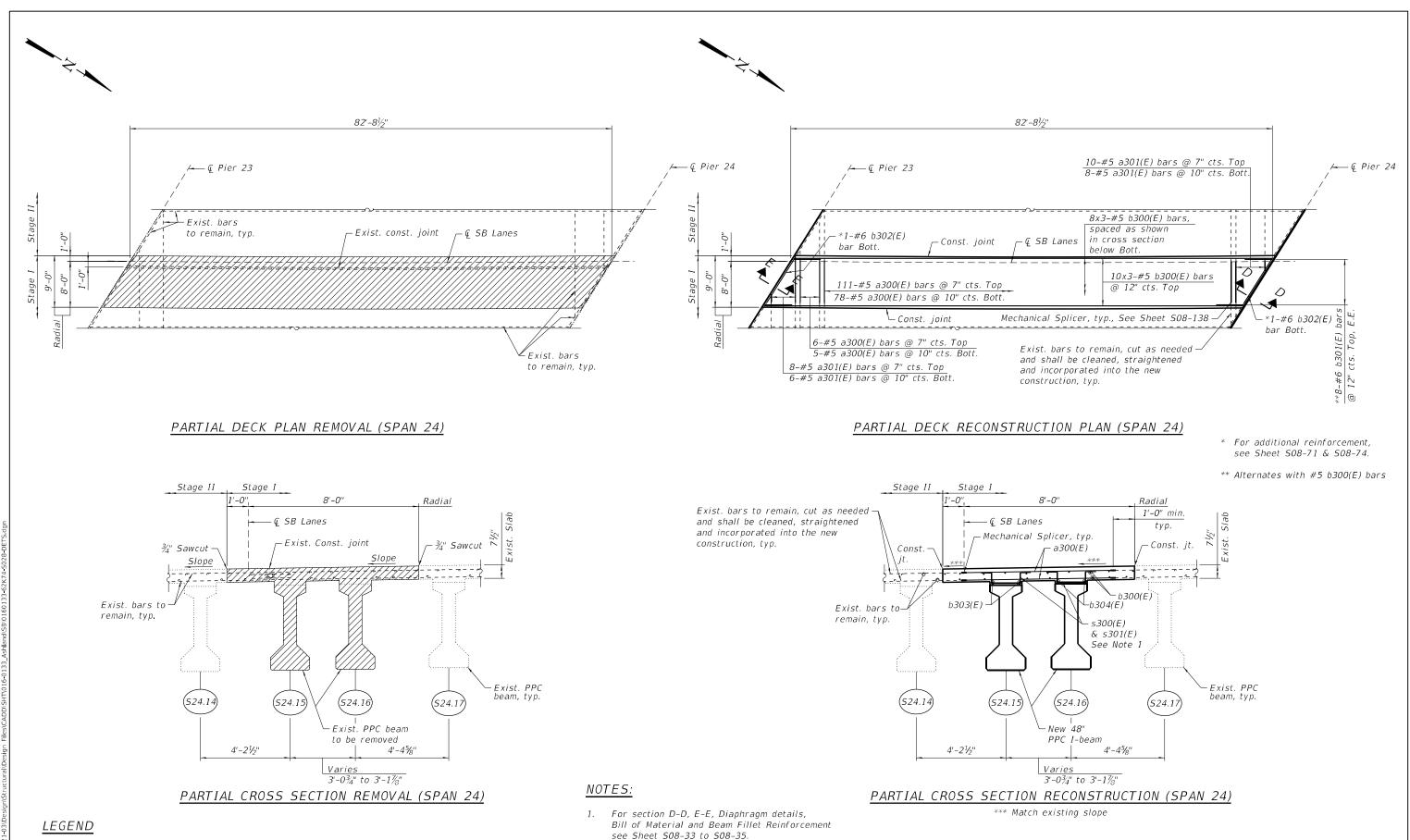


SHEET S08-27 OF S08-138 SHEETS

CHECKED -

K.G.W.

REVISED



MODEL: \$MODELNAME\$

GR8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

Concrete Removal and Removal of Existing Concrete I-Beam

Each End

 USER NAME
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 DESIGNED
 J.T.B.
 REVISED

 PLOT SCALE
 =
 DRAWN
 D.C.P.
 REVISED

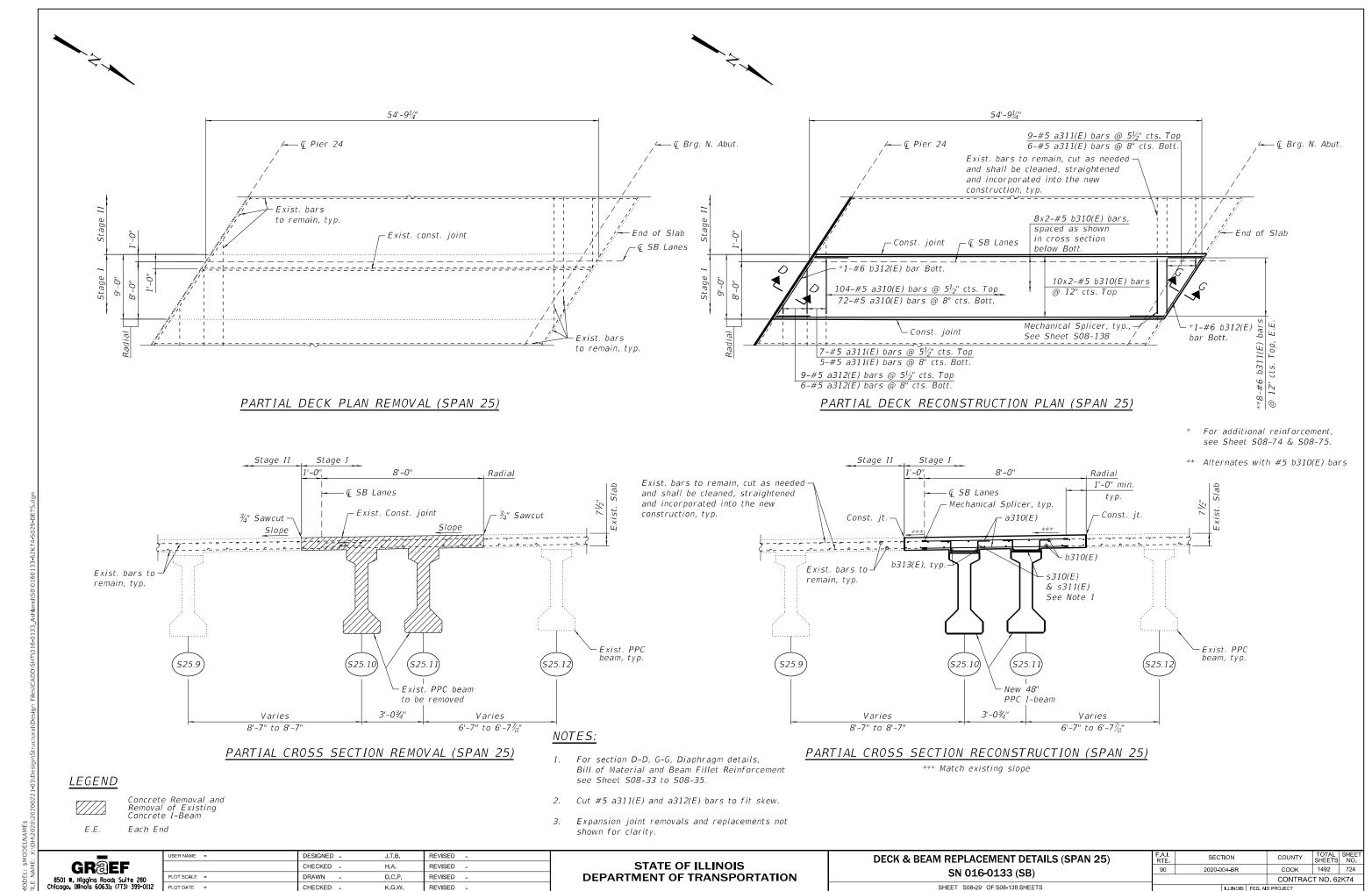
 PLOT DATE
 =
 CHECKED
 K.G.W.
 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

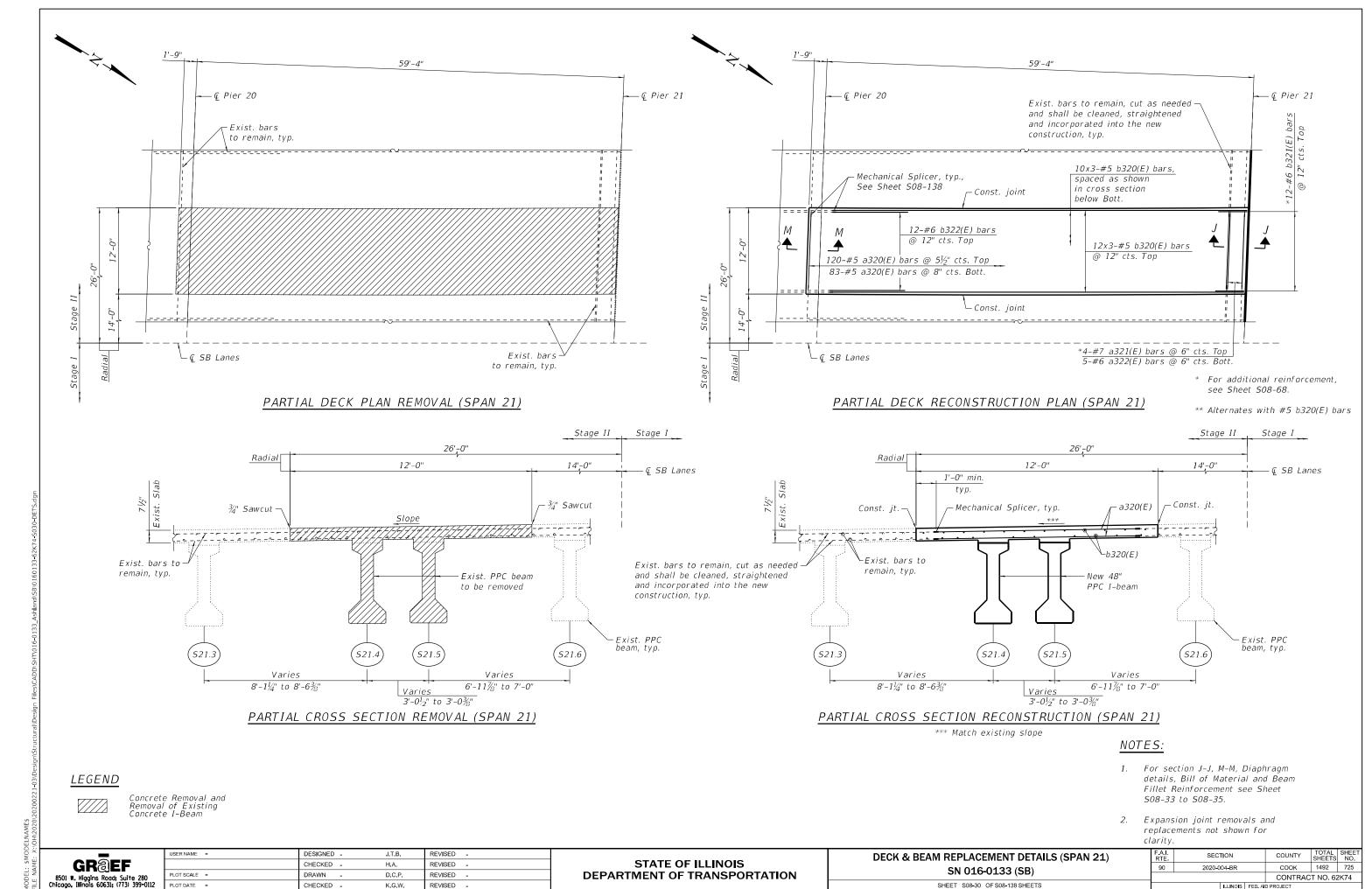
3. Expansion joint removals and replacements

2. Cut #5 a301(E) bars to fit skew.

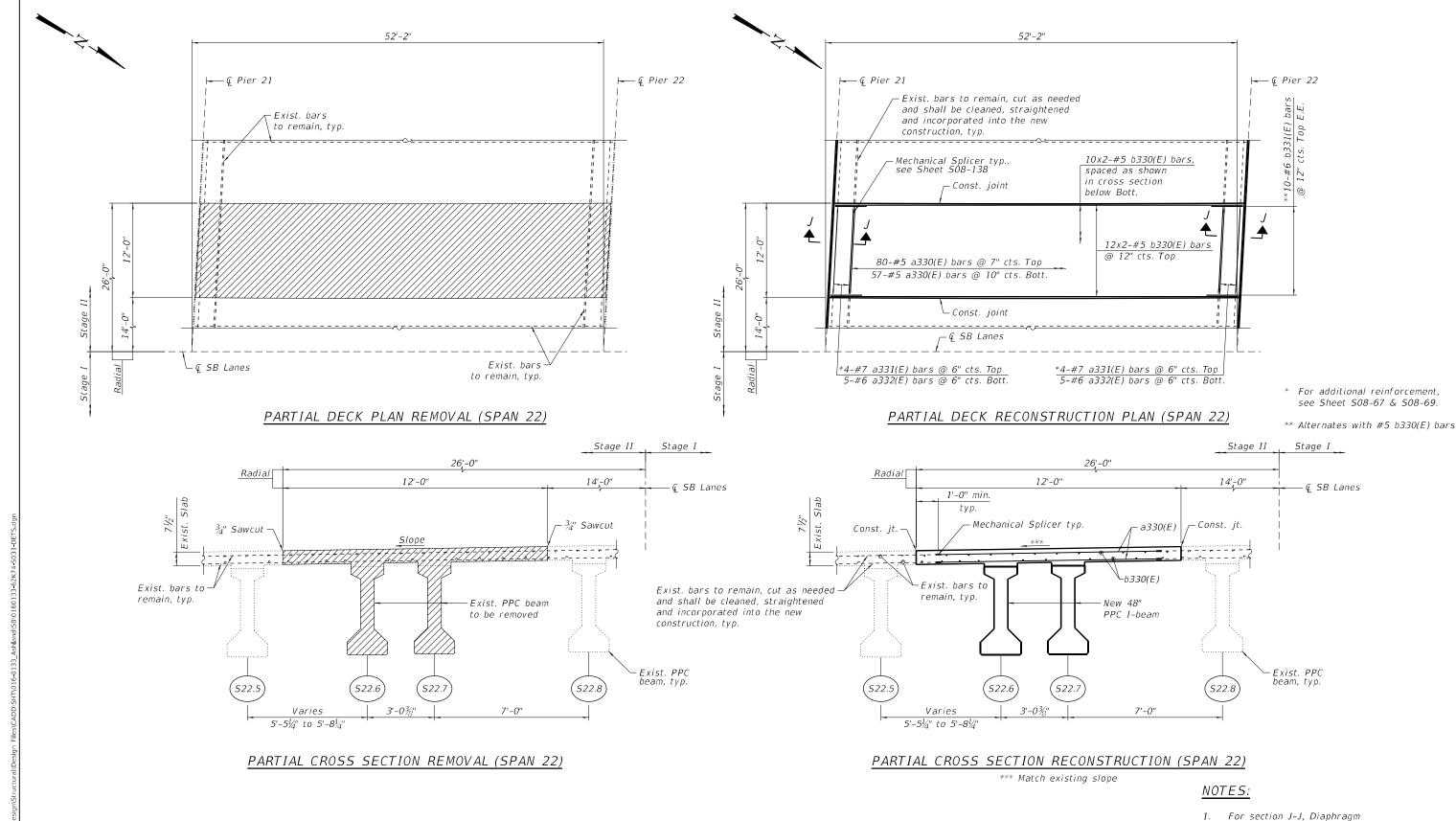
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<u>LEGEND</u>

Concrete Removal and Removal of Existing Concrete I-Beam

E.E. Each End

details, Bill of Material and Beam Fillet Reinforcement see Sheet 508–33 to 508–35.

 Expansion joint removals and replacements not shown for clarity.

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 USER NAME
 =
 DESIGNED
 J.T.B.
 REVISED

 CHECKED
 H.A.
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 K.G.W.
 REVISED

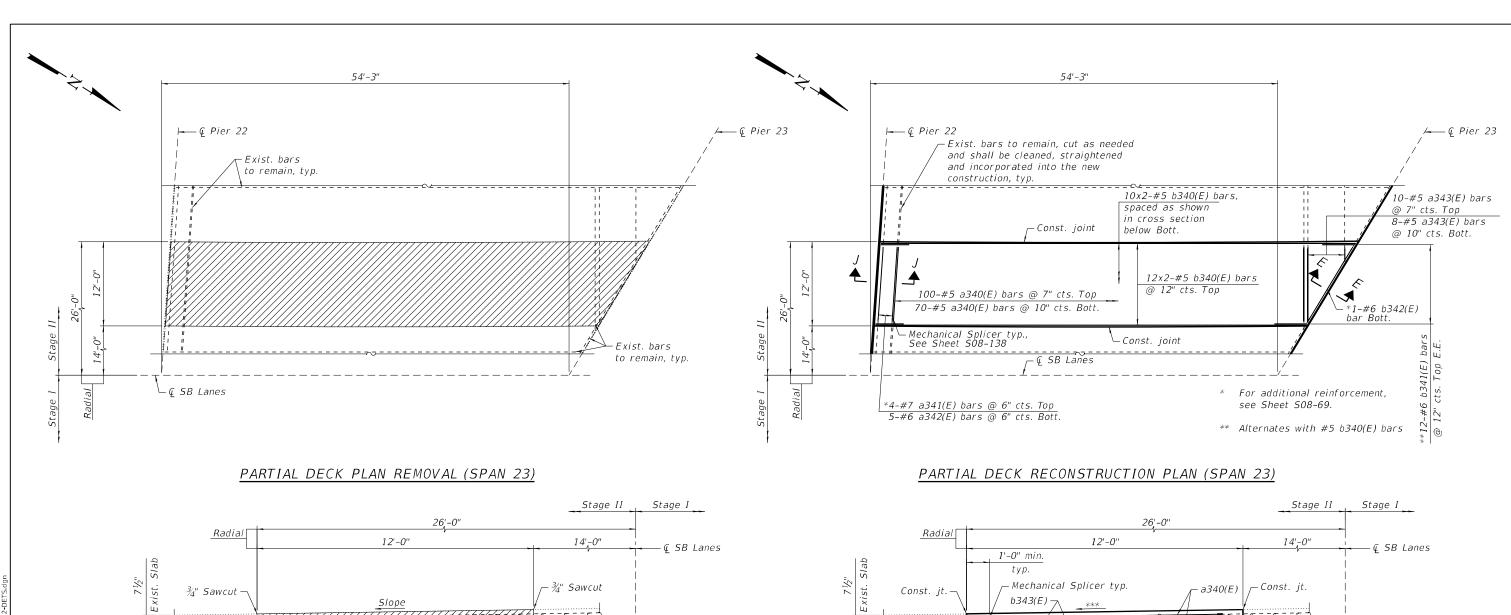
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

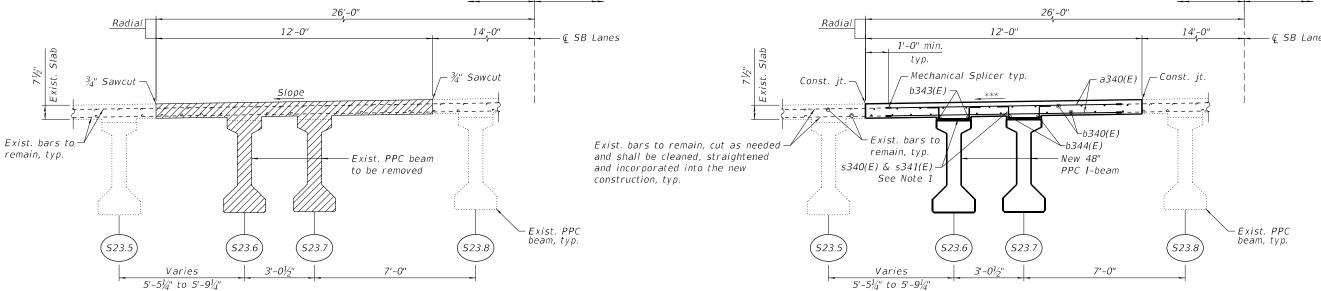
DECK & BEAM REPLACEMENT DETAILS (SPAN 22)
SN 016-0133 (SB)
SHEET S08-31 OF S08-138 SHEETS

 F.A.I. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS
 SHEE NO.

 90
 2020-004-BR
 COOK
 1492
 726

 CONTRACT NO. 62K74





PARTIAL CROSS SECTION REMOVAL (SPAN 23)

PARTIAL CROSS SECTION RECONSTRUCTION (SPAN 23)

*** Match existing slope

NOTES:

- 1. For section E-E, J-J, Diaphragm details, Bill of Material and Beam Fillet Reinforcement see Sheet S08-33 to S08-35.
- 2. Cut #5 a343(E) bars to fit skew.
- Expansion joint removals and replacements not shown for clarity.

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Chicago, Illinois 60631; (773) 399-0112

LEGEND

E.E.

Concrete Removal and Removal of Existing Concrete I-Beam

Each End

 USER NAME
 =
 DESIGNED
 J.T.B.
 REVISED

 CHECKED
 H.A.
 REVISED

 PLOT SCALE
 =
 DRAWN
 D.C.P.
 REVISED

 PLOT DATE
 =
 CHECKED
 K.G.W.
 REVISED

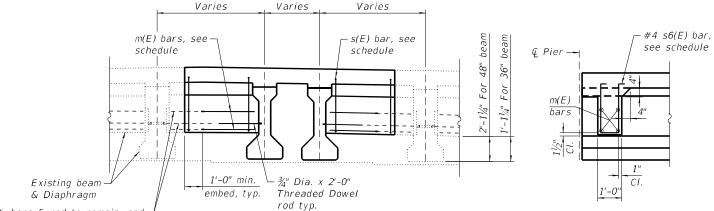
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK & BEAM REPLACEMENT DETAILS (SPAN 23)
SN 016-0133 (SB)
SHEET S08-32 OF S08-138 SHEETS

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DIAPHRAGM SCHEDULE

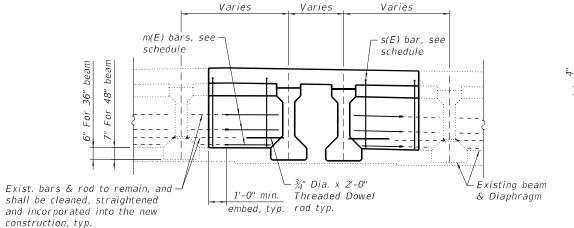
							Span								Number of	Bars per Dia	phragm
Mark	3	5	6	11	14	18	19	20	21	22	23	24	25	Mark	Stirrups	Bottom Bars	Side Bars
D4A													1	D4A	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D7A													1	D7A	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D9B												1		D9B	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D10A	1	2	2											D10A	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D10B							1							D10B	3-#4s6(E)	2-#6m30(E)	2-#4m29(E)
D10C												1		D10C	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D13A	1													D13A	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D14C									1					D14C	3-#4s6(E)	2-#6m32(E)	2-#4m31(E)
D17A								1	1	1	1			D17A	3-#4s6(E)	2-#6m30(E)	2-#4m29(E)
D17B									1	1	1			D17B	4-#4s6(E)	2-#6m36(E)	2-#4m35(E)
D18A										1	1			D18A	3-#4s6(E)	2-#6m32(E)	2-#4m31(E)
D19A				2										D19A	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D21A					1									D21A	4-#4s6(E)	2-#6m36(E)	2-#4m35(E)
D21B							1	1	1	1	1			D21B	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D22A						1								D22A	5-#4s6(E)	2-#6m36(E)	2-#4m35(E)
D24A													1	D24A	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D29A	1													D29A	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D29B												1		D29B	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D29C							1							D29C	3-#4s6(E)	2-#6m30(E)	2-#4m29(E)
D29D										1				D29D	3-#4s6(E)	2-#6m32(E)	2-#4m31(E)
D31A	1													D31A	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D31B												1		D31B	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D33A					1									D33A	4-#4s6(E)	2-#6m36(E)	2-#4m35(E)
D33B							1			1				D33B	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D33C											1			D33C	4-#4s6(E)	2-#6m34(E)	2-#4m33(E)
D35A				2										D35A	2-#4s6(E)	2-#6m25(E)	2-#4m24(E)
D41A										1				D41A	4-#4s6(E)	2-#6m36(E)	2-#4m35(E)
D41B										1				D41B	3-#456(E)	2-#6m30(E)	2-#4m29(E)
D41C						1								D41C	5-#4s6(E)	2-#6m38(E)	2-#4m37(E)
D43A											1			D43A	3-#4s6(E)	2-#6m27(E)	2-#4m26(E)
D45A											1			D45A	5-#4s6(E)	2-#6m40(E)	2-#4m39(E)
D45B											1			D45B	4-#4s6(E)	2-#6m34(E)	2-#4m33(E)
D50	2	4	4											D50	2-#4s7(E)	2-#4m24(E)	4-#4m24(E)
D50A												2		D50A	3-#4s7(E)	2-#4m26(E)	4-#4m26(E)
D51	1													D51	2-#4s7(E)	2-#4m24(E)	4-#4m24(E)
D51A							2					2		D51A	3-#4s7(E)	2-#4m26(E)	4-#4m26(E)
D53	1													D53	2-#4s7(E)	2-#4m24(E)	4-#4m24(E)
D54									2					D54	3-#4s7(E)	2-#4m31(E)	4-#4m31(E)
D55					2									D55	4-#4s7(E)	2-#4m35(E)	4-#4m35(E)
D55A							2	2	2	1	1			D55A	2-#4s7(E)	2-#4m24(E)	4-#4m24(E)
D56				2										D56	2-#4s7(E)	2-#4m24(E)	4-#4m24(E)
D57						1								D57	5-#4s7(E)	2-#4m35(E)	4-#4m35(E)
D57A								2						D57A	3-#4s7(E)	2-#4m29(E)	4-#4m29(E)
D57B									2	1	1			D57B	4-#4s7(E)	2-#4m35(E)	4-#4m35(E)
D57C									2	1	1			D57C	3-#4s7(E)	2-#4m29(E)	4-#4m29(E)
D58						1								D58	5-#4s7(E)	2-#4m35(E)	4-#4m35(E)
D60													1	D60	3-#4s7(E)	2-#4m26(E)	4-#4m26(E)
D61										1	2			D61	3-#4s7(E)	2-#4m31(E)	4-#4m31(E)
D62													1	D62	3-#4s7(E)	2-#4m26(E)	4-#4m26(E)
D66A													1	D66A	3-#4s6(E)	2-#4m27(E)	2-#6m26(E)
D80A		1	1											D80A	8-#4s(E)	4-#6m42(E)	8-#4m41(E)
D81A									1					D81A	3-#4s(E)	2-#6m44(E)	4-#4m43(E)
D82A									1					D82A	3-#4s(E)	2-#6m48(E)	4-#4m47(E)
D81B									1					D81B	4-#4s(E)	2-#6m46(E)	4-#4m45(E)
D82B									1					D82B	2-#4s(E)	2-#6m42(E)	4-#4m41(E)

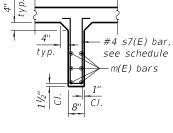


Exist. bars & rod to remain, and shall be cleaned, straightened and incorporated into the new construction, typ.

DIAPHRAGM ELEVATION AT PIERS

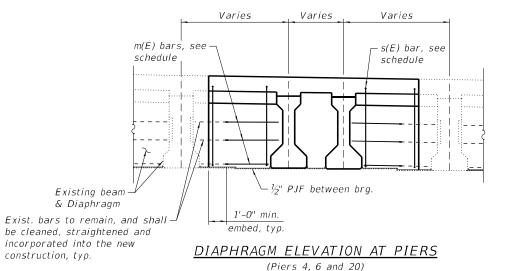
DIAPHRAGM SECTION AT PIERS

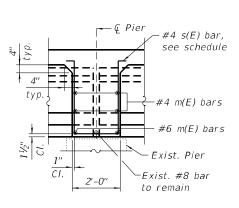




INTERMEDIATE DIAPHRAGM ELEVATION

INTERMEDIATE DIAPHRAGM SECTION





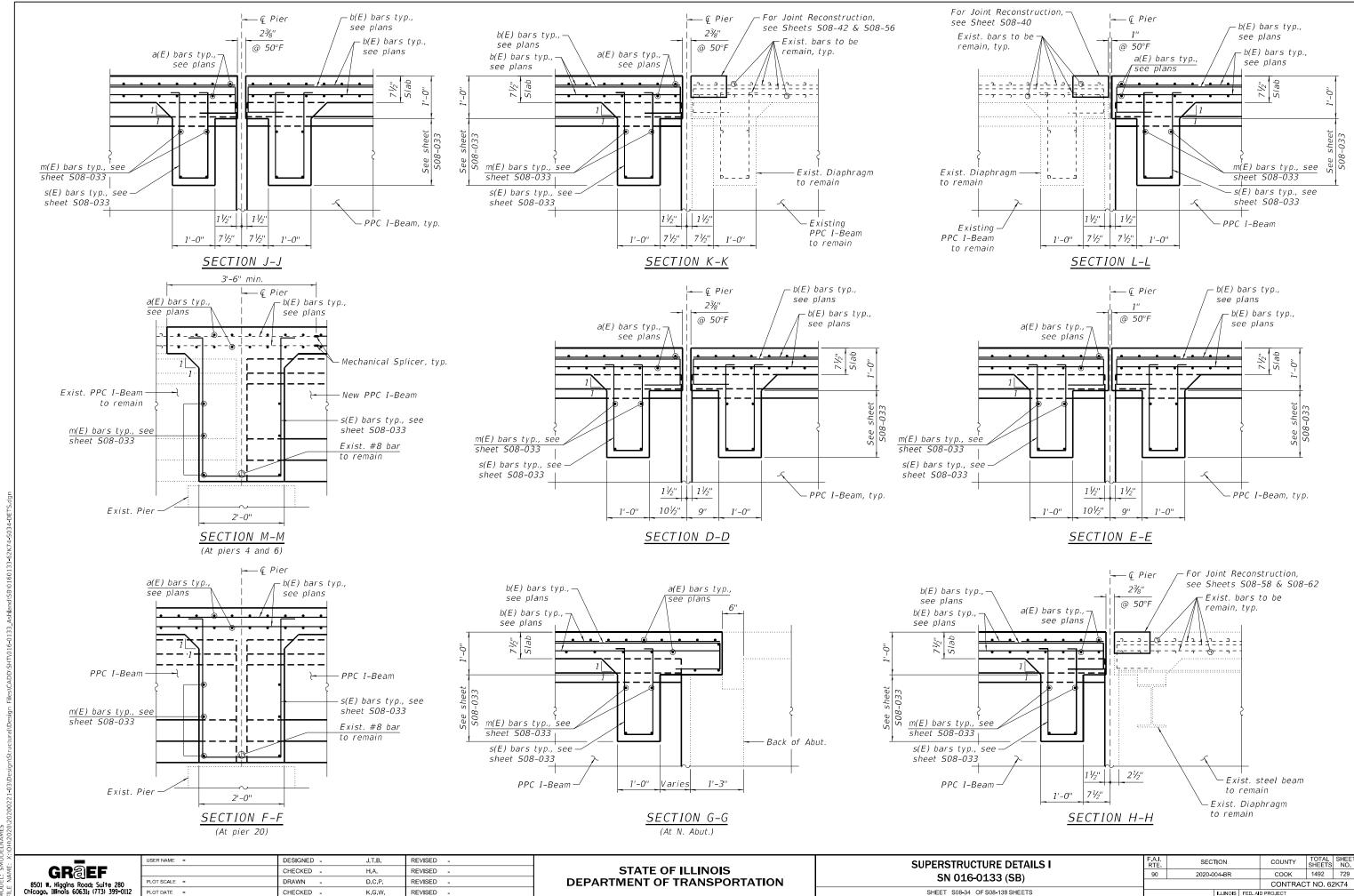
DIAPHRAGM SECTION AT PIERS (Piers 4, 6 and 20)

8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112

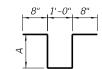
USER NAME =	DESIGNED -	V.G.	REVISED -
	CHECKED -	H.A.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

DIAPHRAGM SCHEDULE	F.A.I. RTE.	SEC.	ПОИ		COUNTY	TOTAL SHEETS	SHEET NO.
SN 016-0133 (SB)	90	2020-0	04 - BR		соок	1492	728
3N 010-0133 (3D)					CONTRAC	T NO. 62	2K74
SHEET S08-33 OF S08-138 SHEETS			ILL INOIS	FED ΔΙΙ	PROJECT		

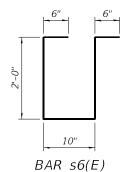


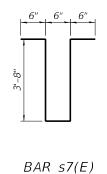
BARS b201(E), b211(E), b221(E), b231(E), b241(E), b251(E), b261(E), b271(E), b281(E), b291(E), b301(E), b311(E), b321(E), 331(E), & b341(E)

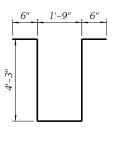


BARS s240(E), s250(E), s260(E), s261(E), s270(E), s271(E), s280(E), s290(E), s291(E), s300(E), s301(E), s310(E), s311(E) & s340(E)

Bar	Α
s240(E)	7"
s250(E)	4"
5260(E)	31/2"
5261(E)	4"
5270(E)	4"
5271(E)	4"
5280(E)	4½"
5290(E)	4½"
s291(E)	7"
s300(E)	31/2"
s301(E)	7"
s310(E)	31/2"
s311(E)	7"
s340(E)	3"



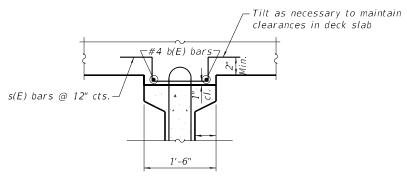




BAR s(E)

BEAM FILLET REINFORCEMENT TABLE

Beam	Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
514.5	s240(E)	66	#4	3'-6"	U	b242(E)	6	#4	24'-1"	
518.8	s250(E)	54	#4	3'-0"	U	b252(E)	4	#4	29'-2"	
519.10	s260(E)	68	#4	2'-11"	U	b262(E)	6	#4	24'-11'	
519.11	s261(E)	68	#4	3'-0"	U	b262(E)	6	#4	24'-11'	
520.8	s270(E)	53	#4	2'-11"	U	b273(E)	4	#4	28'-10'	
520.9	s271(E)	53	#4	3'-0"	U	b274(E)	4	#4	27'-9"	
521.8	5271(E)	57	#4	3'-0"	U	b275(E)	4	#4	30'-9"	
521.9	s271(E)	57	#4	3'-0"	U	b275(E)	4	#4	30'-9"	
522.10	5280(E)	50	#4	3'-1"	U	b282(E)	4	#4	27'-2"	
522.11	s280(E)	50	#4	3'-1"	U	b282(E)	6	#4	27'-2"	
523.6	s340(E)	63	#4	2'-10"	U	b343(E)	6	#4	23'-1"	
<i>S23.7</i>	s341(E)	61	#4	3'-0"	U	b344(E)	4	#4	22'-7"	
523.10	5290(E)	50	#4	3'-1"	U	b293(E)	4	#4	26'-1"	
S23.11	5291(E)	48	#4	3'-6"	U	b294(E)	6	#4	26'-4"	
S24.15	s300(E)	80	#4	3'-0"	U	b303(E)	6	#4	27'-10"	
S24.16	s301(E)	80	#4	3'-6"	U	b304(E)	4	#4	28'-11"	
S25.10	s310(E)	51	#4	2'-11"	U	b313(E)	4	#4	27'-5"	
S25.11	s311(E)	51	#4	3'-6"	U	b313(E)	4	#4	27'-5"	
Reinforcement Bars, Epoxy Coated						Pound	3,740			



FILLET REINFORCING DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a200(E)	181	#5	7'-0"	
a201(E)	8	#7	7'-0"	
a202(E)	10	#6	7'-0"	
			7'-0"	
a210(E)	183	#5		
a211(E)	4	#7	7'-0"	
a212(E)	5	#6	7'-0"	
a220(E)	183	#5	7'-0"	
a221(E)	4	#7	7'-0"	
a222(E)	5	#6	7'-0"	
a230(E)	108	#5	6'-0"	
a231(E)	11	#5	6'-10"	
a232(E)	16	#5	5'-9"	
a240(E)	232	#5	5'-9"	
a241(E)	8	#7	5'-5"	
a242(E)	10	#6	5'-5"	
a250(E)	188	#5	5'-8"	
a251(E)	8	#7	5'-8"	
a252(E)	10	#6	5'-8"	
a260(E)	190	#5	7'-9"	
a261(E)	8	#7	7'-9"	
a262(E)	10	#6	7'-9"	
a270(E)	406	#5	7'-9"	
a271(E)	8	#7	7'-9"	
a272(E)	10	#6	7'-9"	
a280(E)	137	#5	7'-9"	
a281(E)	8	#7	7'-9"	
a282(E)	10	#6	7'-9"	
a290(E)	131	#5	7'-9"	
a291(E)	4	#7	7'-9"	
a292(E)	5	#6	7'-9"	
a293(E)	5	#6	7'-6"	
a300(E)	200	#5	7'-0"	
a301(E)	32	#5	7'-0"	
a310(E)	176	#5	7'-0"	
a311(E)	27	#5	7'-10"	
a312(E)	15	#5	6'-0"	
a320(E)	203	#5	10'-0"	
a321(E)	4	#7	10'-0"	
a322(E)	5	#6	10'-0"	
a330(E)	137	#5	10'-0"	
a331(E)	8	#7	10'-0"	
a332(E)	10	#6	10'-0"	
a340(E)	170	#5	10'-0"	
a340(E)	4	#7	10'-0"	
	5	#6	10'-0"	
a341(E)				
a343(E)	18	#5	10'-10"	
h200/51	F 4	41 -	201 2"	
b200(E)	54	#5	28'-3"	
b201(E)	20	#6	5'-5"	
b210(E)	54	#5	27'-8"	
b211(E)	9	#6	5'-5"	Ц
b212(E)	10	#6	14'-3"	
b220(E)	54	#5	27'-8"	
b221(E)	9	#6	5'-5"	Ы
b222(E)	10	#6	14'-3"	
b230(E)	34	#5	30'-9"	
b231(E)	9	#6	5'-5"	
b232(E)	2	#6	6'-9"	
b232(E)	39	#5	25'-4"	
b241(E)	12	#6	5'-5"	
b250(E)	42	#5	21'-4"	
NZJU(E)	4∠	#J	21-4	

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b251(E)	12	#6	5'-5"	
b260(E)	54	#5	26'-2"	
b261(E)	18	#6	5'-5"	
b270(E)	72	#5	31'-9"	
b271(E)	18	#6	5'-5"	
b272(E)	10	#6	24'-0"	
b280(E)	44	#5	28'-1"	
b281(E)	16	#6	5'-5"	
	36		20'-9"	
b290(E)		#5		
b291(E)	8	#6	5'-5"	
b292(E)	1	#6	9'-5"	
b300(E)	54	#5	30'-3"	
b301(E)	16	#6	5'-5"	
b302(E)	2	#6	8'-8"	
b310(E)	36	#5	20'-11"	
b311(E)	16	#6	5'-5"	
			8'-10"	
b312(E)	2	#6		
b320(E)	66	#5	23'-0"	
b321(E)	12	#6	5'-5"	
b322(E)	12	#6	10'-3"	
b330(E)	44	#5	28'-1"	
b331(E)	20	#6	5'-5"	
b340(E)	44	#5	29'-1"	
. ,				
b341(E)	24	#6	5'-5"	
b342(E)	1	#6	12'-1"	
m24(E)	170	#4	1'-2"	
m25(E)	38	#6	1'-7"	
m26(E)	66	#4	1'-8"	
	18	#6	2'-1"	
m27(E)				
m29(E)	50	#4	1'-11"	
m30(E)	14	#6	2'-4"	
m31(E)	38	#4	2'-2"	
m32(E)	8	#6	2'-7"	
m33(E)	4	#4	2'-7"	
m34(E)	4	#6	3'-0"	
m35(E)	62	#4	3'-2"	
m36(E)	14	#6	3'-7"	
m37(E)	2	#4	3'-7"	
m38(E)	2	#6	4'-0"	
m39(E)	2	#4	4'-1"	
m40(E)	2	#6	4'-6"	
m41(E)	20	#4	1'-7"	
m42(E)	10	#6	1'-0"	
m43(E)	4	#4	2'-7"	
m44(E)	2	#6	2'-0"	
m45(E)	4	#4	2'-4"	
m46(E)	2	#6	1'-9"	
m47(E)	4	#4	3'-7"	
m48(E)	2	#6	3'-0"	
s(E)	28	#4	11'-3"	U
56(E)	145	#4	5'-10"	
s7(E)	135	#4	8'-10"	
Concrete	Remov	al	Cu. Yd.	287.1
Reinforce	ment	Bars,	Bound	E0.010
Ероху Со			Pound	50,910
Concrete				
Superstru	ucturo		Cu. Yd.	287.1
Juperser	accui C			

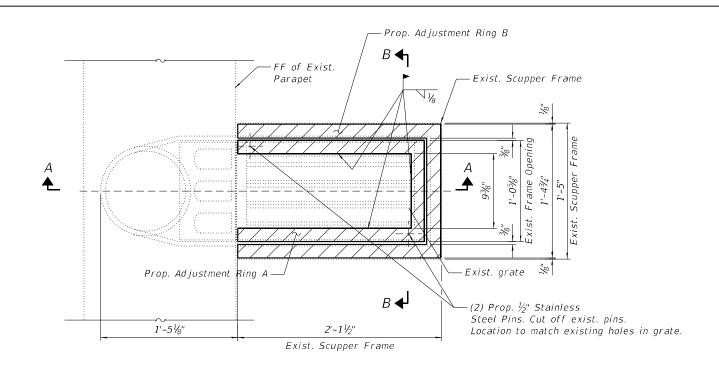
NOTES:

1. The Contractor shall field verify existing beam fillet dimensions and make necessary approved adjustments prior to construction or ordering additional fillet reinforcement.

GRAEF8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED -	V.G., J.T.B.	REVISED -
	CHECKED -	H.A.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

SUPERSTRUCTURE DETAILS II		SEC.	ПОИ		COUNTY	TOTAL SHEETS	SHEET NO.
SN 016-0133 (SB)	90	2020-0	04 - BR		соок	1492	730
3N 010-0133 (3B)					CONTRAC	T NO. 62	2K74
SHEET S08-35 OF S08-138 SHEETS			ILLINOIS	FED. All	D PROJECT		

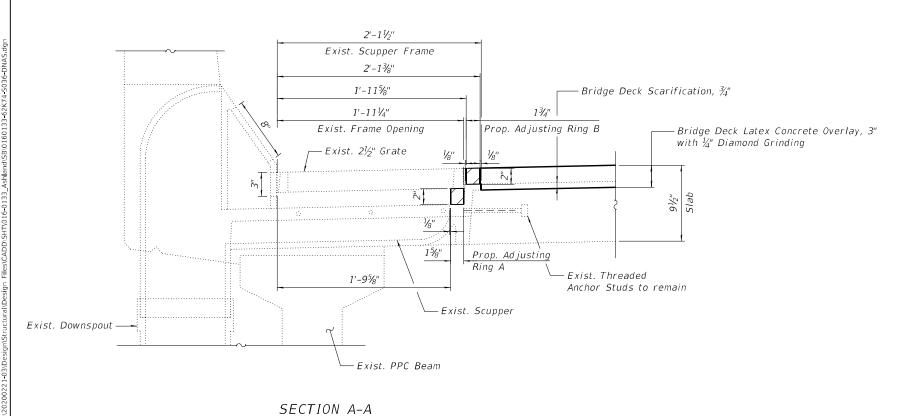


TYPICAL SCUPPER TYPE A PLAN

(24 Locations)

NOTES

- 1. The Contractor shall field verify Existing Dimensions and Details of the Existing Scuppers and make necessary adjustments prior to construction of New Adjusting Ring or ordering of material for Adjusting Drainage Scuppers.
- 2. All Cast Iron Parts shall be Grey Iron conforming to the requirements of AASHTO M 105, Class 35B.
- 3. Cast Iron Parts shall be unfinished.
- 4. The Contractor shall take appropriate measures to ensure that Protective Coat is not applied to the scuppers.
- 5. Adjusting Ring shall be from Neenah or approved equal. Structural steel weldments or equal section and of the same configuration may be submitted in place of Cast Iron. Fillet or full penetration welds may be used for weldments. Details shall be submitted to the Engineer for approval.
- 6. Provide a $\frac{1}{8}$ " Fillet Weld around perimeter of new Adjusting Ring to secure to existing Scupper.
- 7. Cost of all labor and materials necessary to clean all existing floor drains and scuppers, install adjusting scupper rings, remove and reinstall grates is included in the cost for Drainage Scupper to be Adjusted.



BILL OF MATERIAL

SECTION B-B

ITEM UNIT QUANTITY

Cleaning Drainage System L Sum 0.25

Drainage Scuppers To Be Adjusted Each 20

COUNTY

COOK 1492 731

CONTRACT NO. 62K74

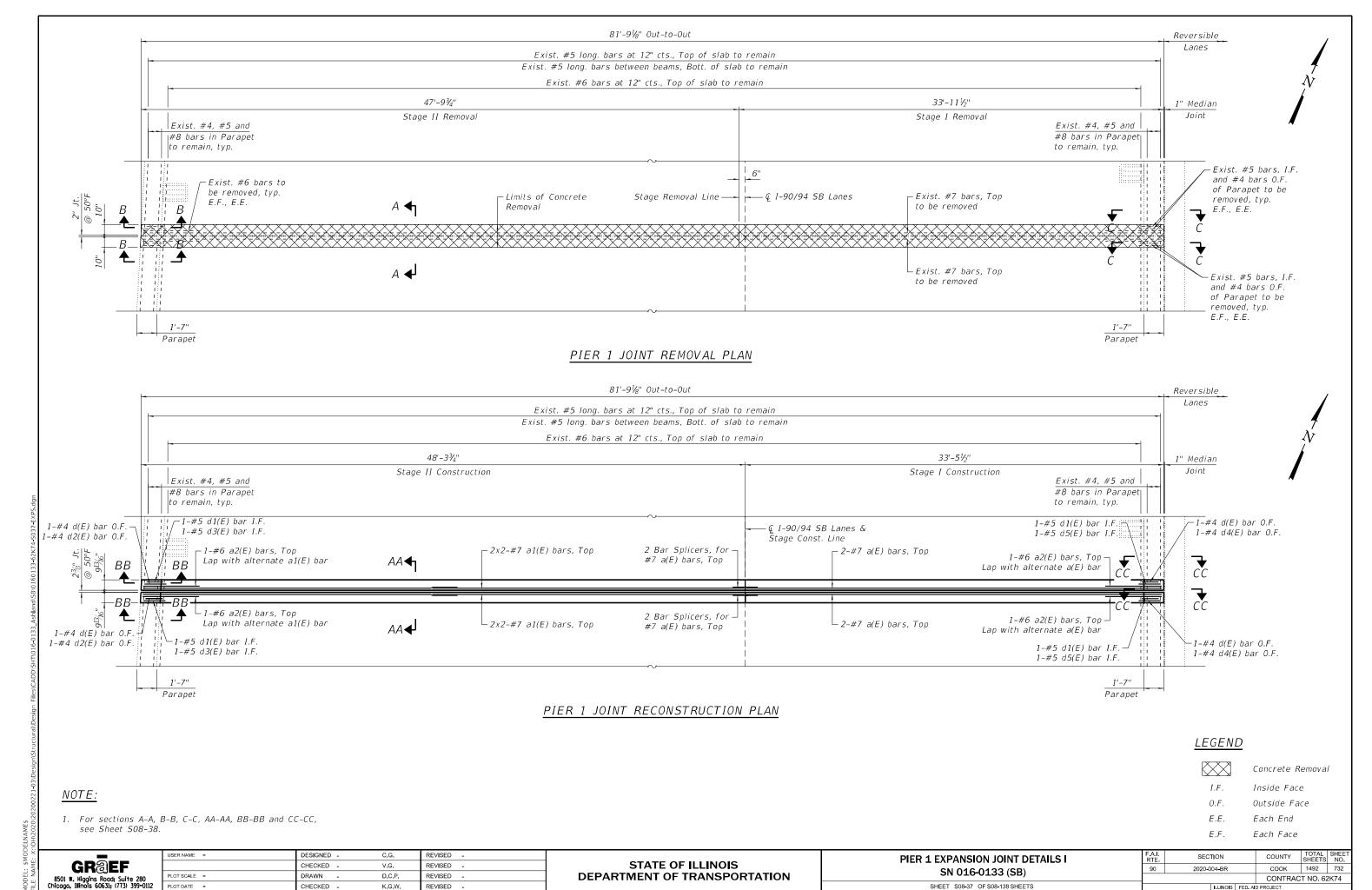
GROEF

	USER NAME =	DESIGNED	-	J.T.B.	REVISED	-
		CHECKED	-	H.A.	REVISED	-
	PLOT SCALE =	DRAWN	-	D.C.P.	REVISED	-
2	PLOT DATE =	CHECKED	-	K.G.W.	REVISED	-

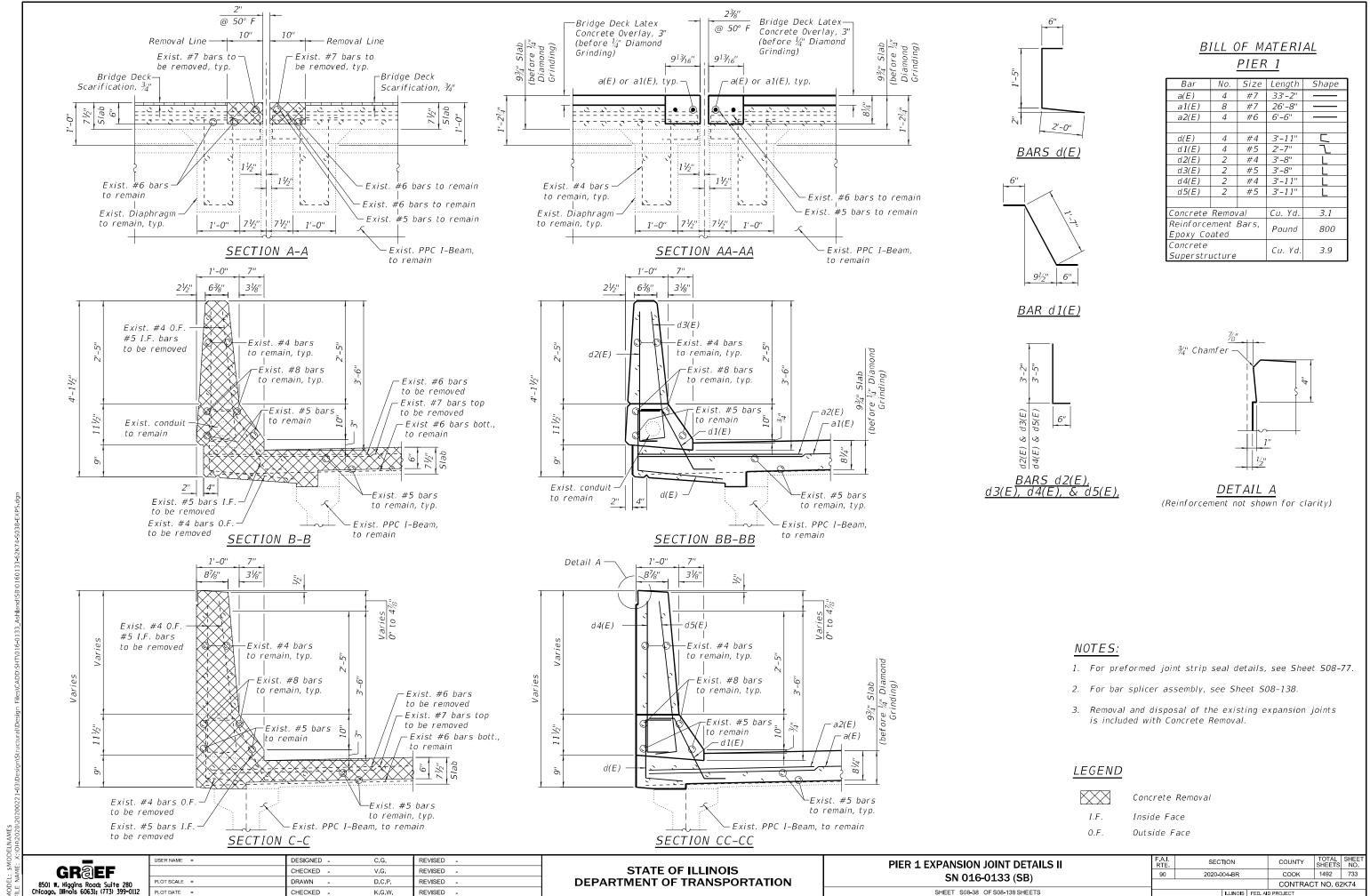
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

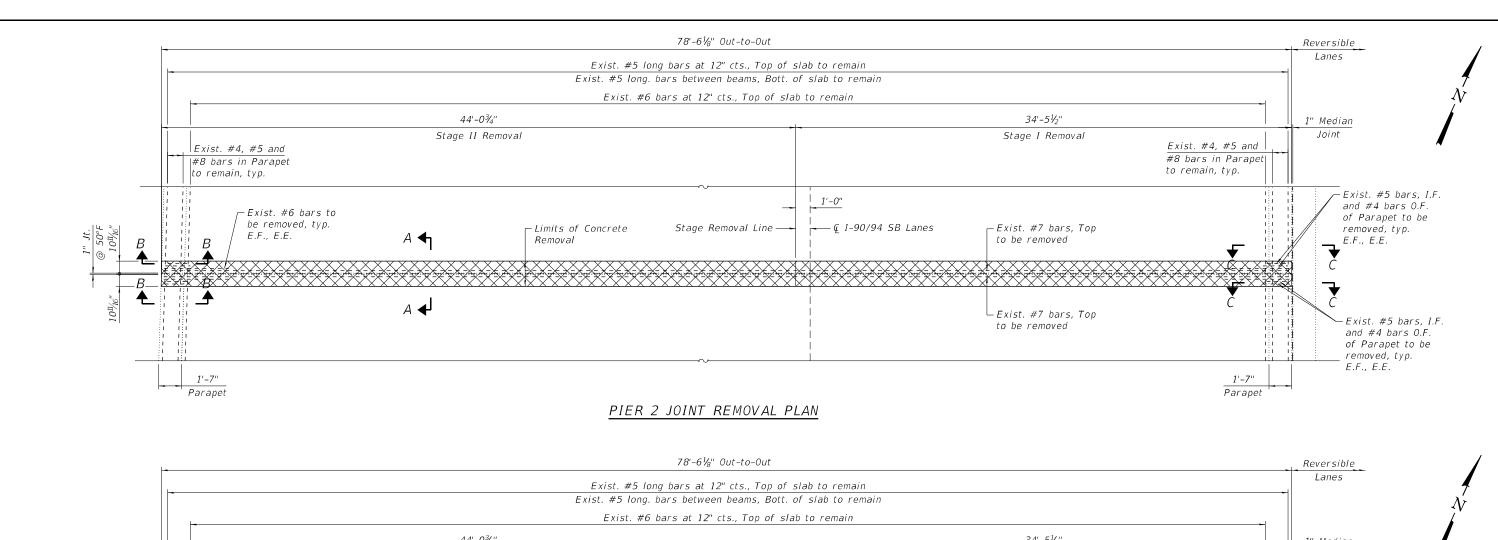
 DRAINAGE SCUPPER TYPE A ADJUSTMENT DETAILS
 F.A.I. RTE.
 SECTION

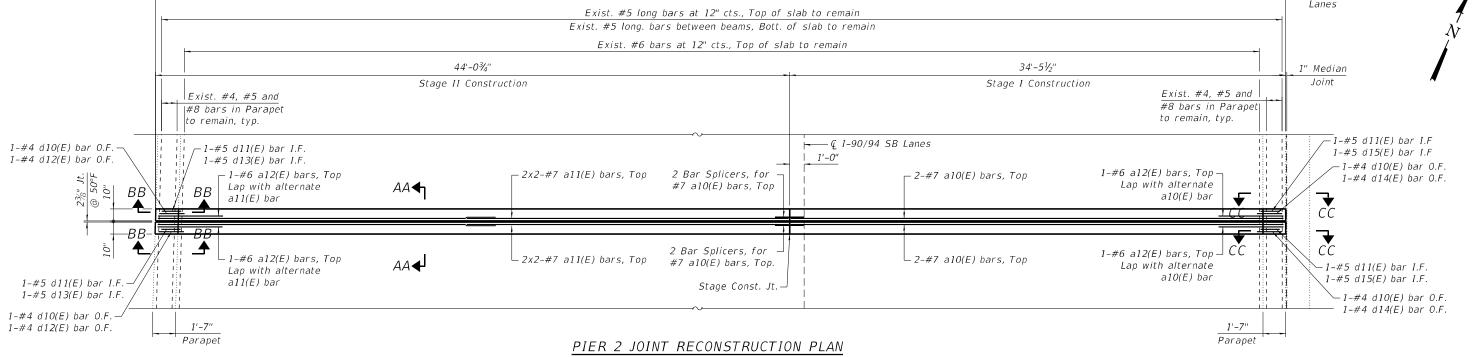
 SN 016-0133 (SB)
 90
 2020-004-BR



12/5/2022 8:32:52 PM







NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-40.

GRØEF

	USER NAME =	DESIGNED -	C.G.	REVISED -
		CHECKED -	V.G.	REVISED -
	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
112	PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 2 EXPANSION JOINT DETAILS I SN 016-0133 (SB)
 E.F.
 Each Face

 SECTION
 COUNTY SHEETS NO.

 2020-004-BR
 COOK 1492 734

 CONTRACT NO. 62K74

Concrete Removal

Inside Face

Outside Face

Each End

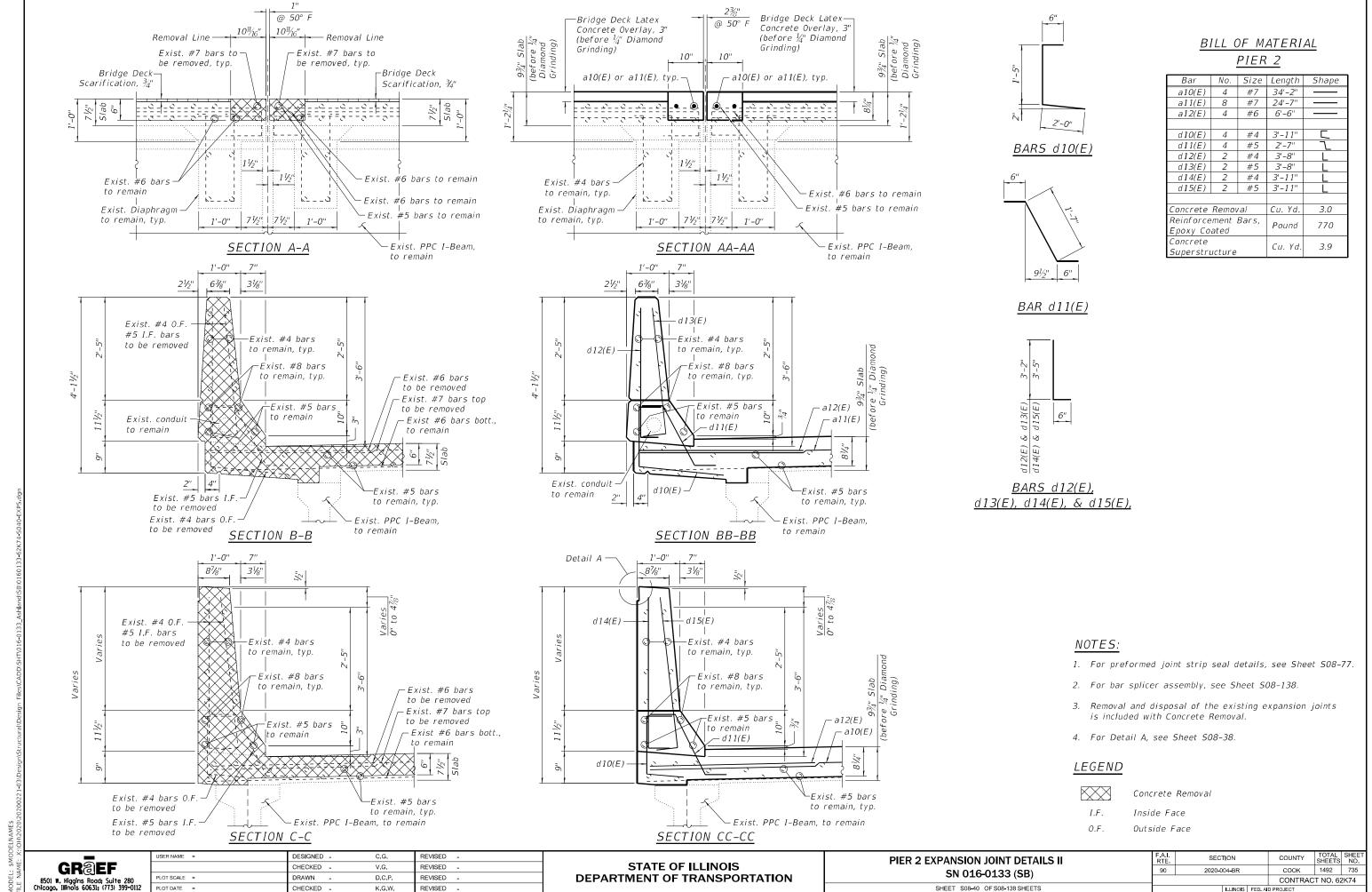
LEGEND

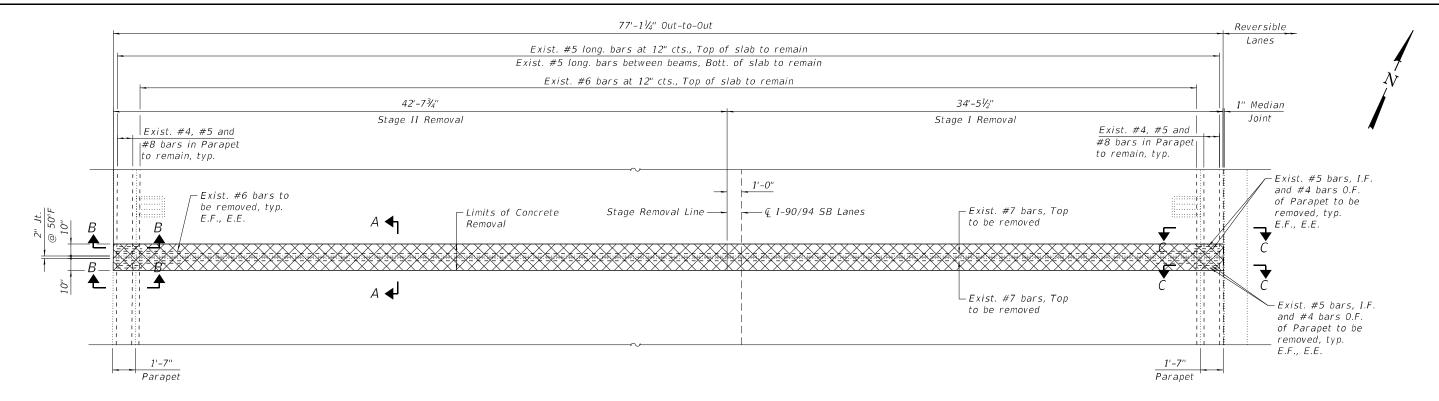
I.F.

0.F.

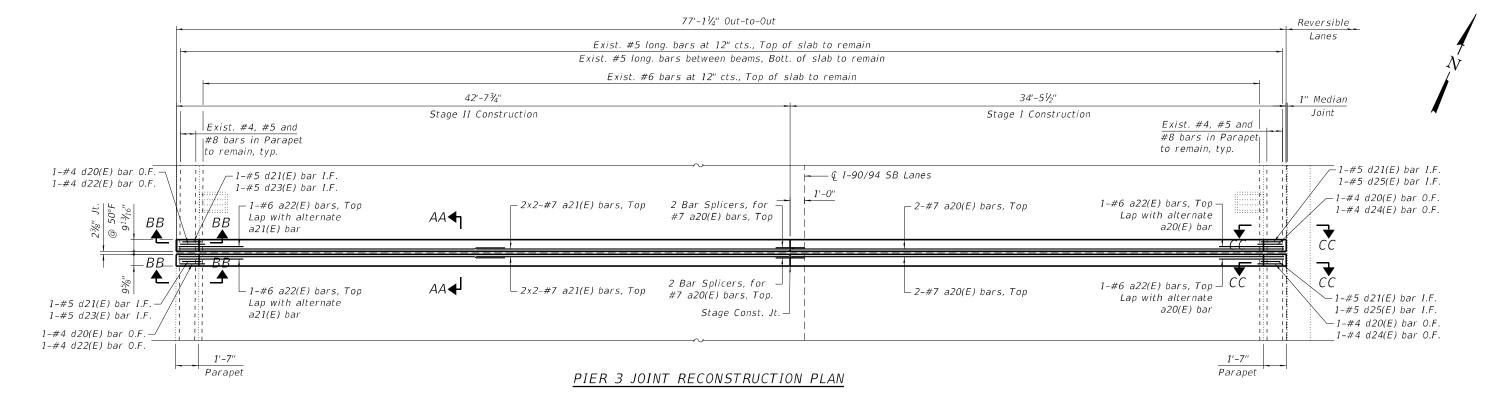
E.E.

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PIER 3 JOINT REMOVAL PLAN



NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-42.

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	GR@EF	Γ
:		Г
П	8501 W. Higgins Road; Suite 280	L
	Chicago, Illinois 60631; (773) 399-0112	ı

	USER NAME =	DESIGNED -	C.G.	REVISED	-
		CHECKED -	V.G.	REVISED	-
	PLOT SCALE =	DRAWN -	D.C.P.	REVISED	-
2	PLOT DATE =	CHECKED -	K.G.W.	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 3 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

E.F. Each Face SECTION COUNTY

Concrete Removal

Inside Face

Outside Face

Each End

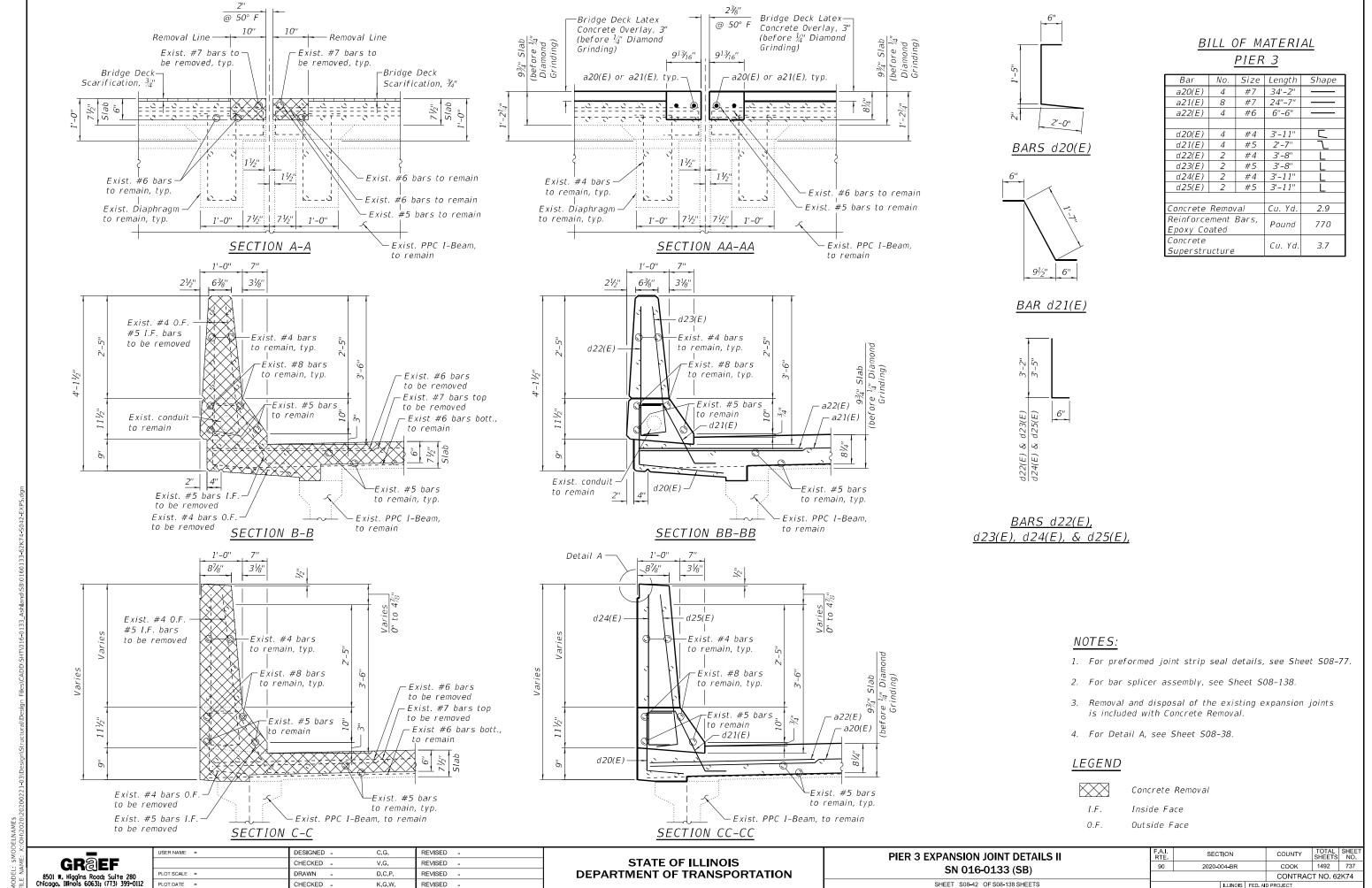
LEGEND

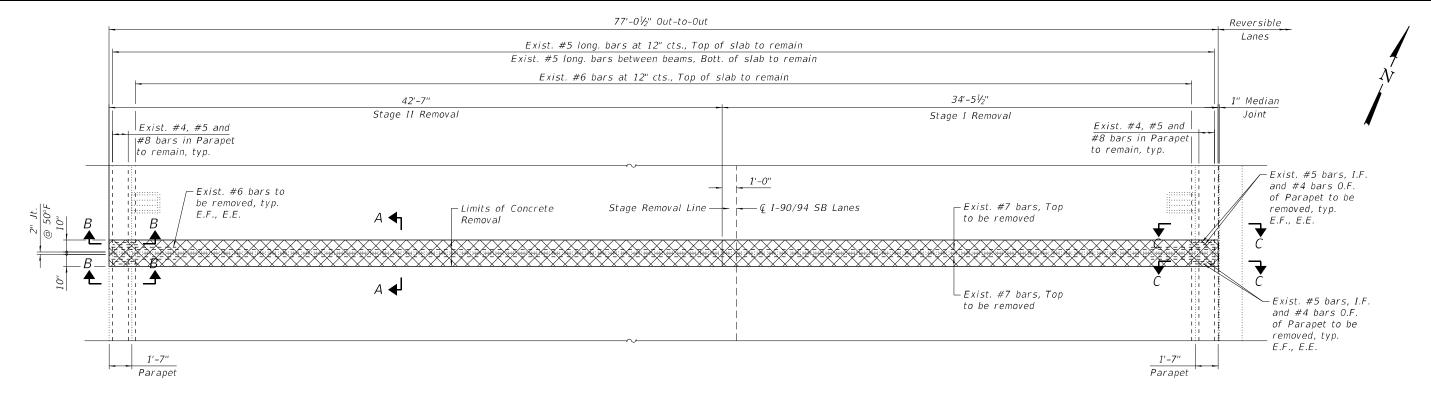
I.F.

0.F.

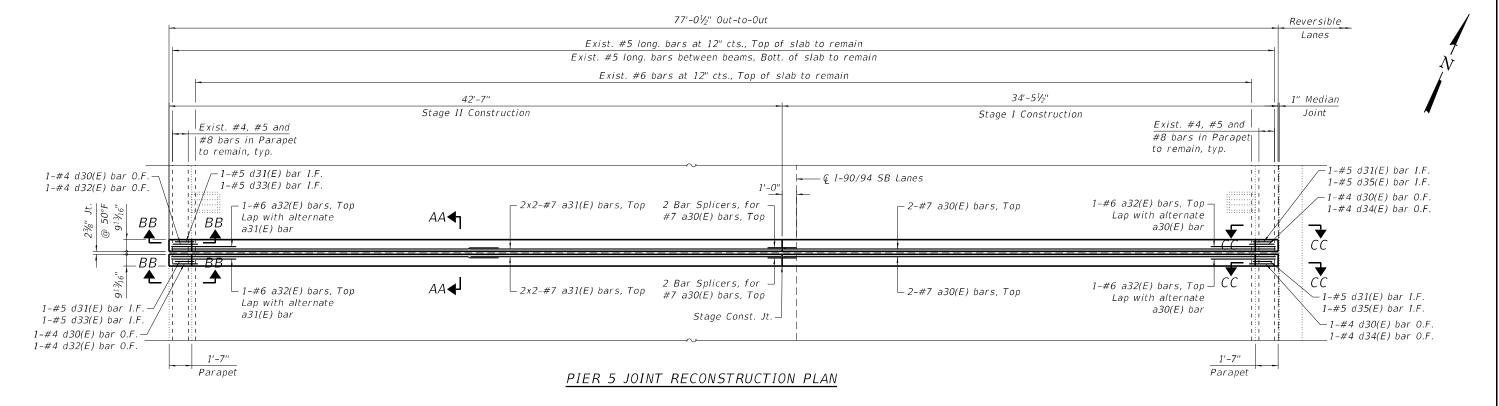
E.E.

2020-004-BR COOK 1492 736 CONTRACT NO. 62K74 SHEET S08-41 OF S08-138 SHEETS





PIER 5 JOINT REMOVAL PLAN



NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-44.

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ANI	GRØEF	
Ż	8501 W. Higgins Road; Suite 280	
i	Chicago, Illinois 60631; (773) 399-0112	Г

	USER NAME =	DESIGNED -	C.G.	REVISED -
		CHECKED -	V.G.	REVISED -
	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
2	PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 5 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

E.F. Each Face SECTION COUNTY

LEGEND

I.F.

0.F.

E.E.

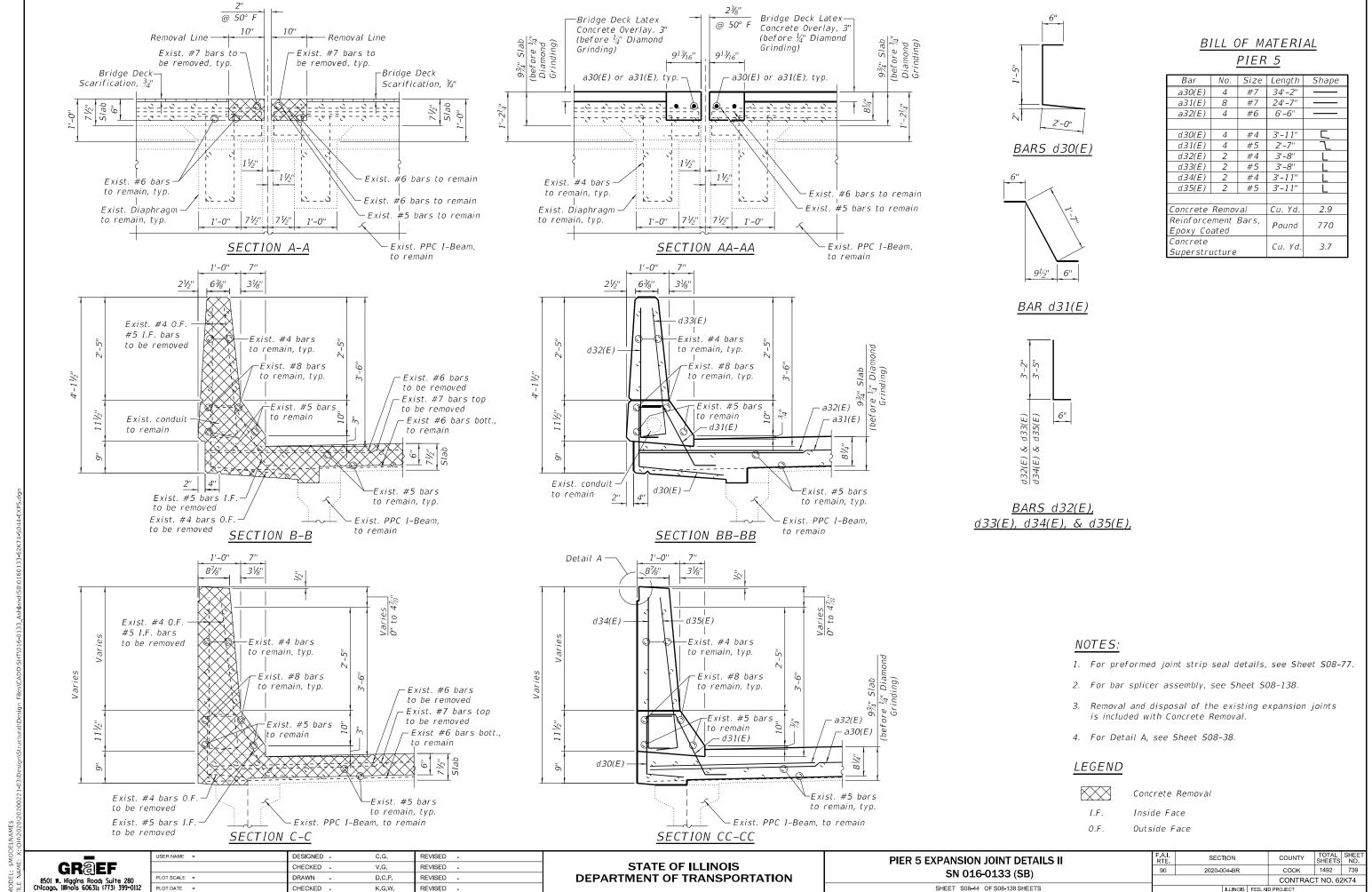
SHEET S08-43 OF S08-138 SHEETS

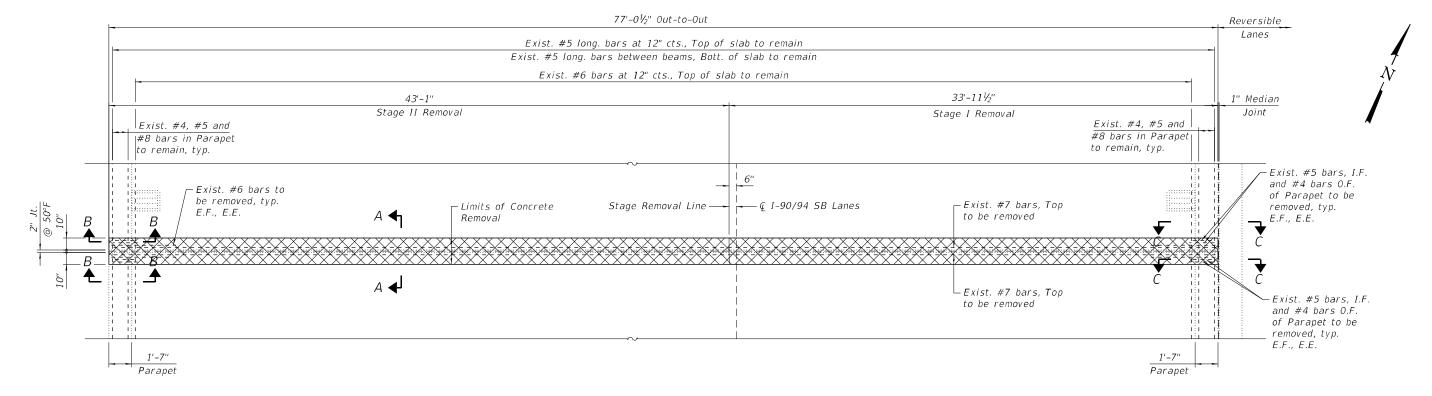
Concrete Removal

Inside Face

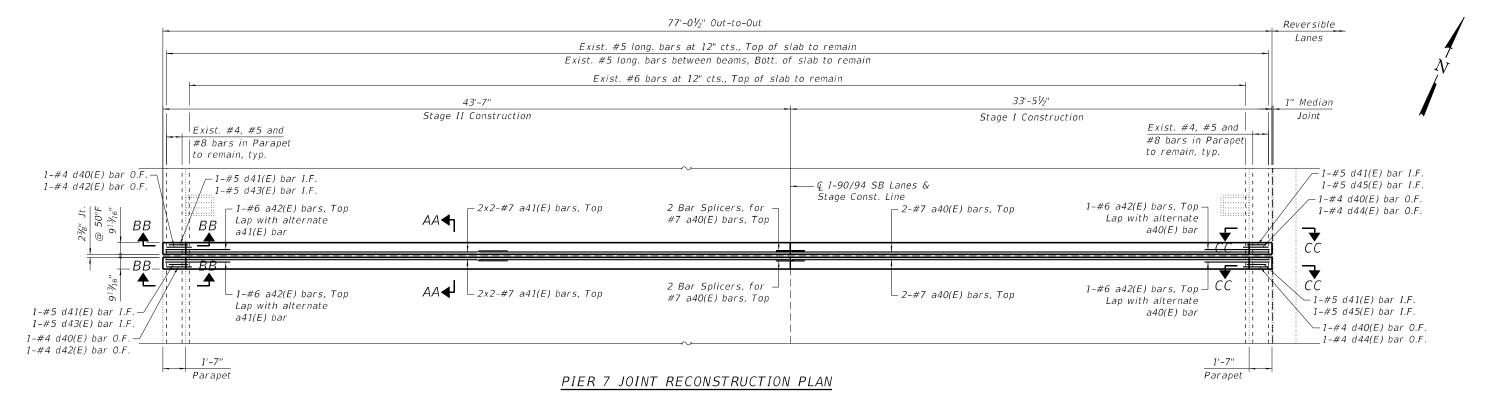
Outside Face

Each End





PIER 7 JOINT REMOVAL PLAN



<u>NOTE:</u>

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-46.

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Δ	8501 W. Higgins Road; Suite 280
0 🗀	Chicago, Illinois 60631; (773) 399-0112
ΣΞ	ormoogot tamiono occost 11 157 555 CITE

	USER NAME =	DESIGNED -	C.G.	REVISED -
		CHECKED -	V.G.	REVISED -
	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
2	PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 7 EXPANSION JOINT DETAILS I SN 016-0133 (SB)
 SECTION
 COUNTY
 TOTAL SHEETS NO.

 2020-004-BR
 COOK
 1492
 740

 CONTRACT NO. 62K74

Concrete Removal

Inside Face

Outside Face

Each End

Each Face

LEGEND

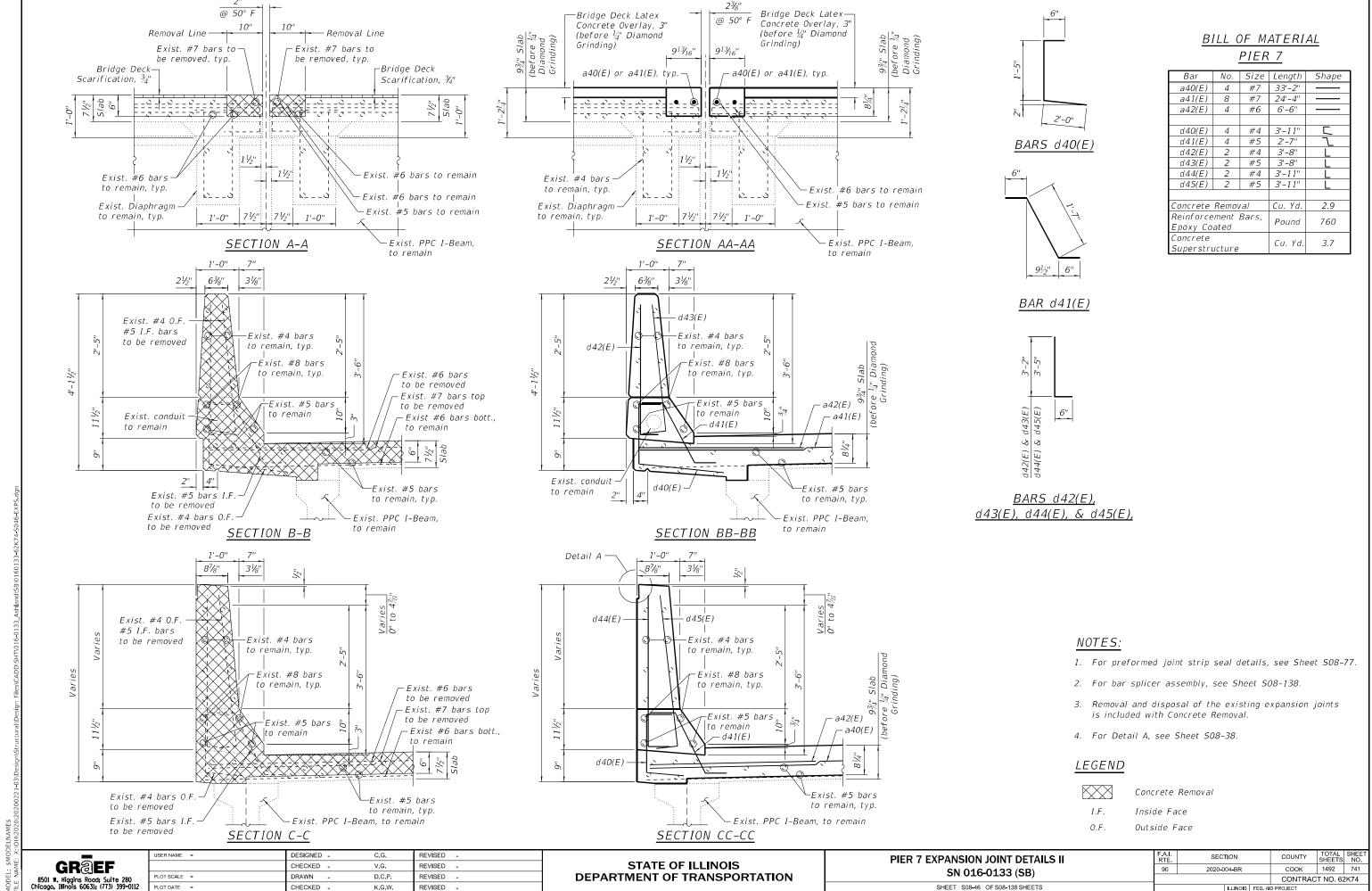
I.F.

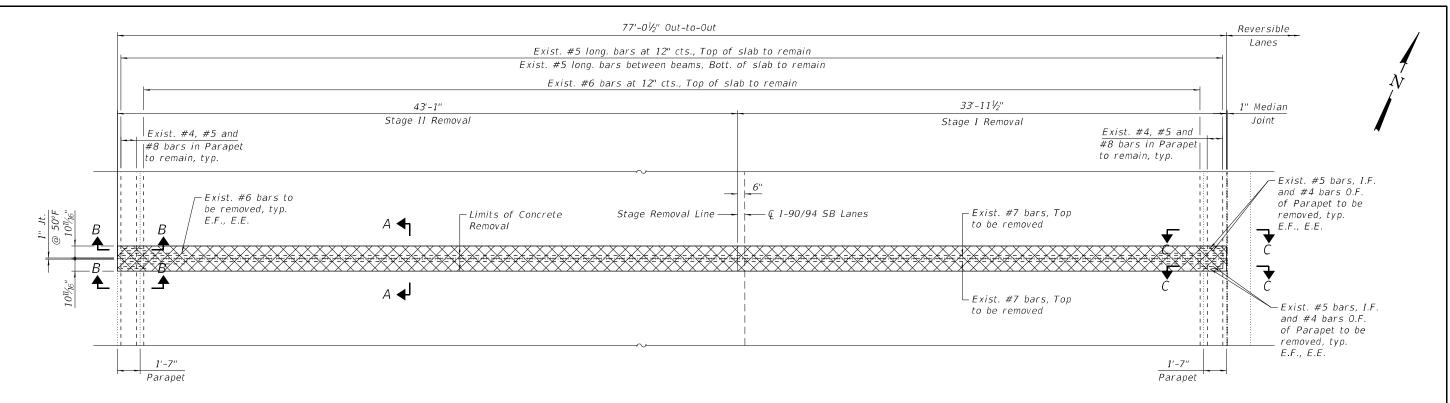
0.F.

E.E.

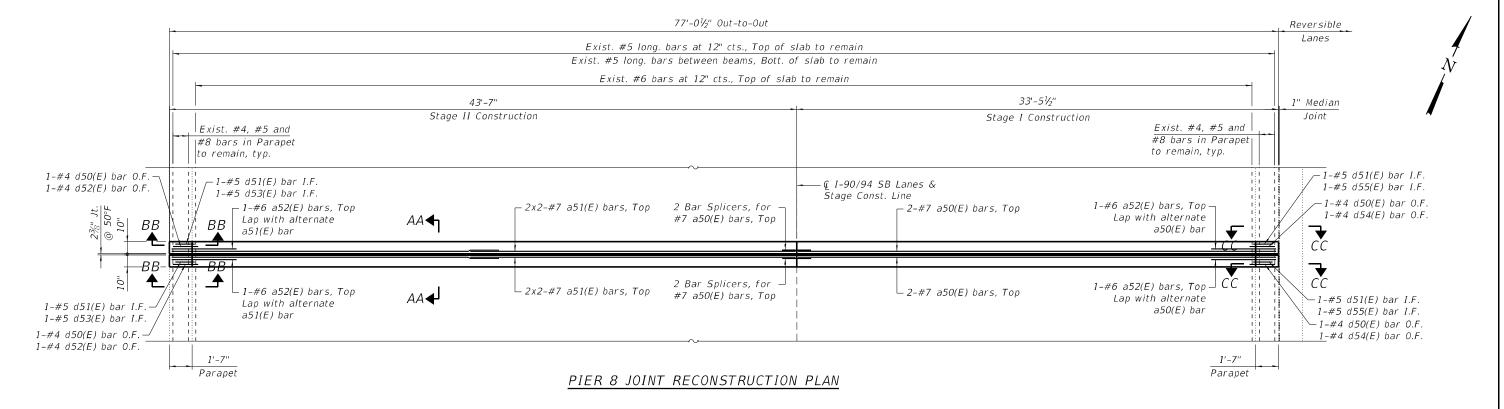
E.F.

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PIER 8 JOINT REMOVAL PLAN



NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-48.

	USER NAME =	DESIGNED -	C.G.	REVISED -
GR@EF		CHECKED -	V.G.	REVISED -
8501 W. Higgins Road; Suite 280	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
Chicago, Illinois 60631; (773) 399-0112	PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 8 EXPANSION JOINT DETAILS I SN 016-0133 (SB)	
SHEET S08-47 OF S08-138 SHEETS	

F.A.I. RTE	SEC.	TION		COUNTY	TOTAL SHEETS	SHE
90	2020-0	2020-004-BR			1492	742
				CONTRAC	T NO. 62	2K74
		ILLINOIS	FED. A	D PROJECT		

I.F.

0.F.

E.E.

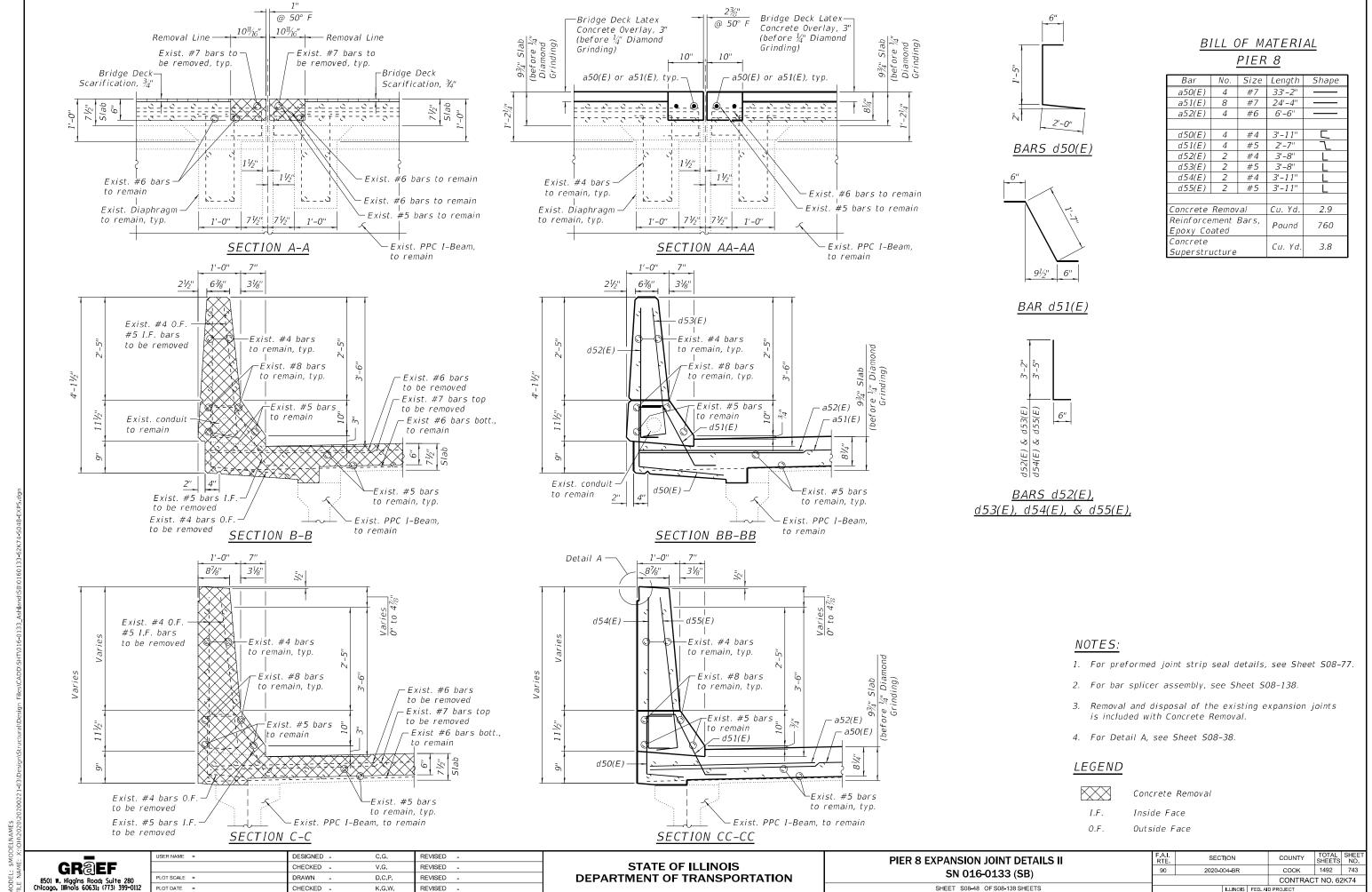
E.F.

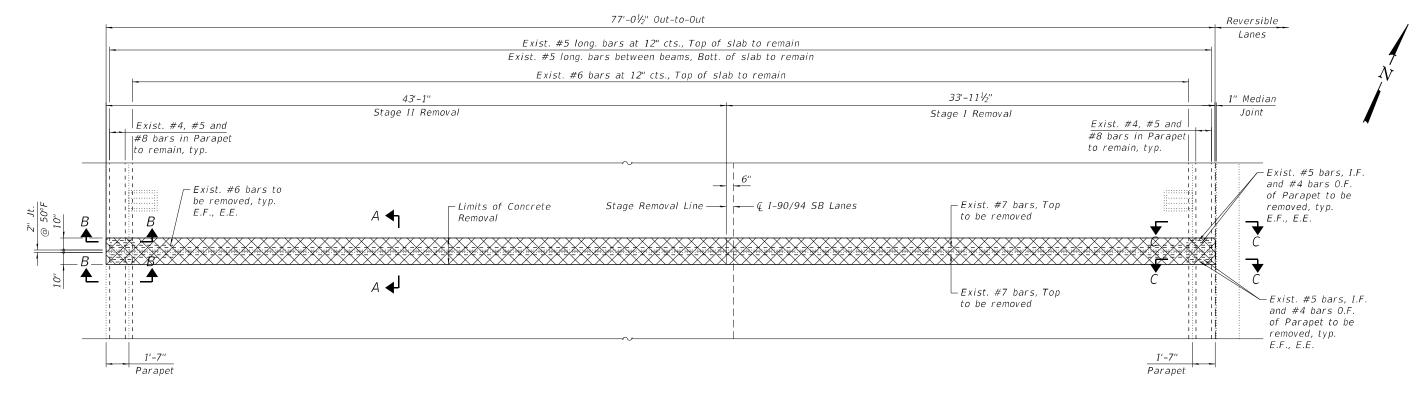
Concrete Removal Inside Face

Outside Face

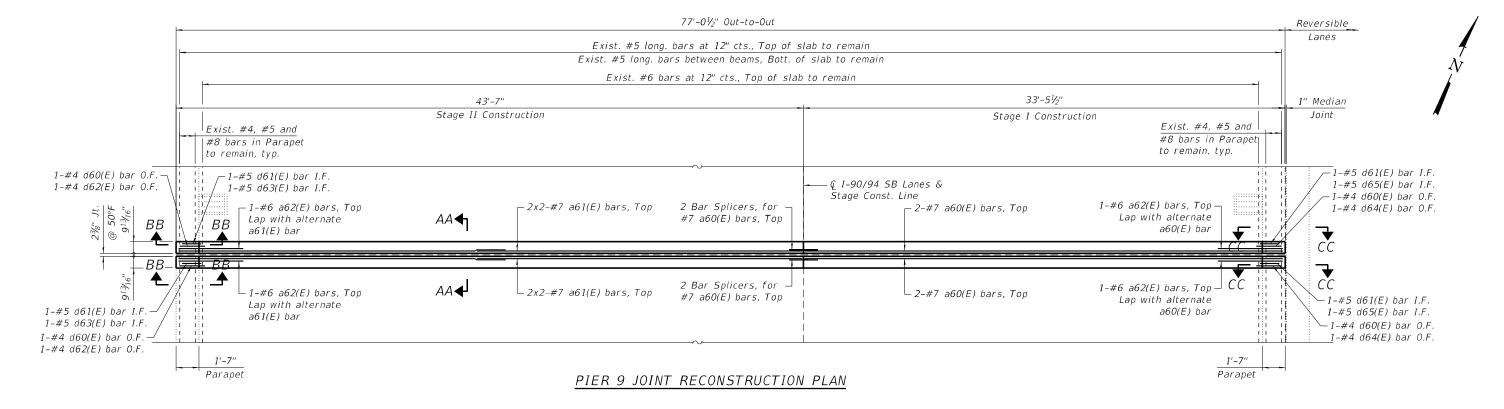
Each End

Each Face





PIER 9 JOINT REMOVAL PLAN



NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-50

_	I
GR@EF	
8501 W. Higgins Road: Suite 280	ı
Chicago, Illinois 60631; (773) 399-0112	ı

12	PLOT DATE =	CHECKED -	K.G.W.	REVISED -	
	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -	
		CHECKED -	V.G.	REVISED -	
	USER NAME =	DESIGNED -	C.G.	REVISED -	1

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 9 EXPANSION JOINT DETAILS I SN 016-0133 (SB) SHEET S08-49 OF S08-138 SHEETS

E.F. Each Face COUNTY

Concrete Removal

Inside Face

Outside Face

Each End

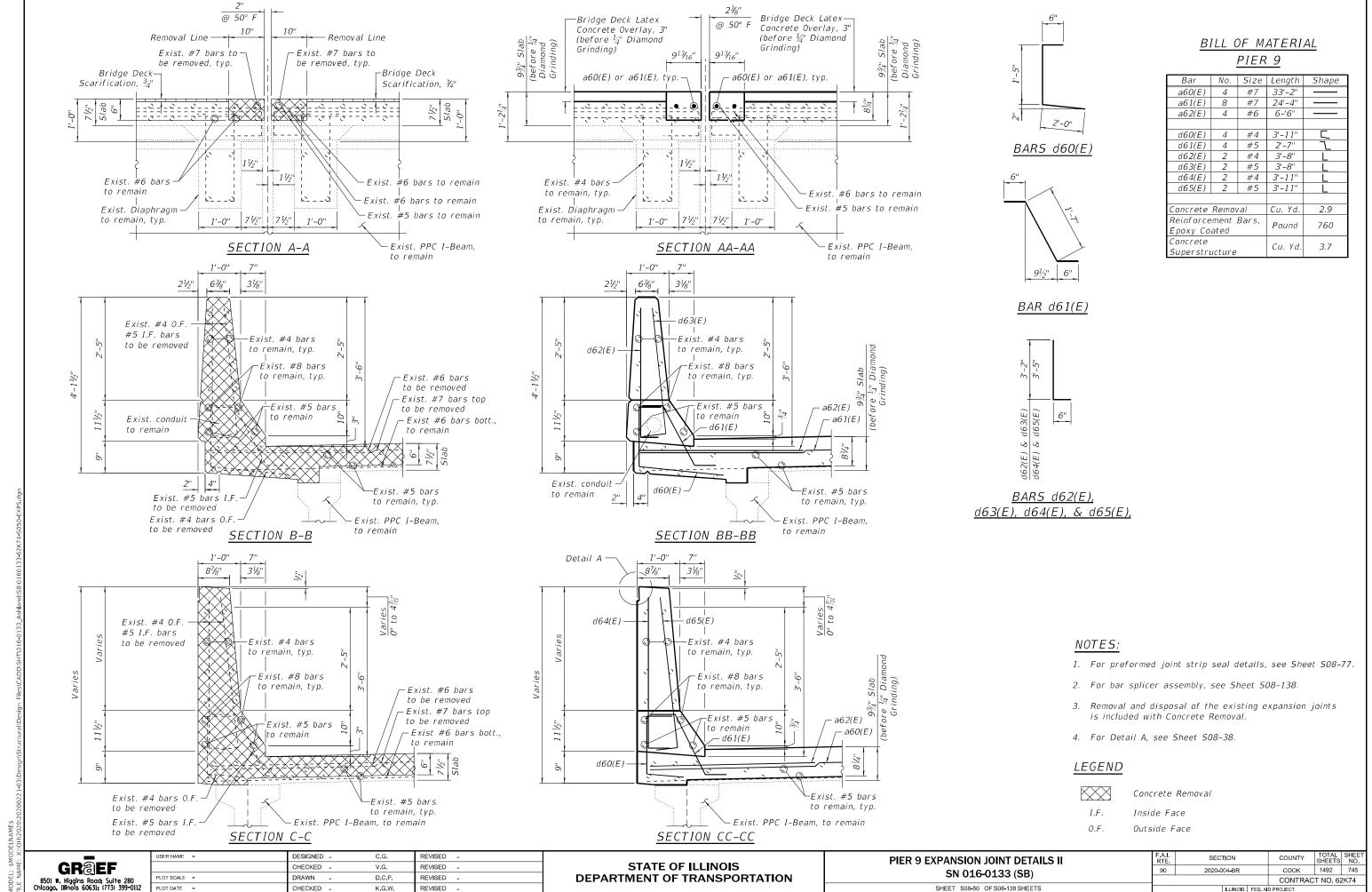
SECTION 2020-004-BR COOK 1492 744 CONTRACT NO. 62K74

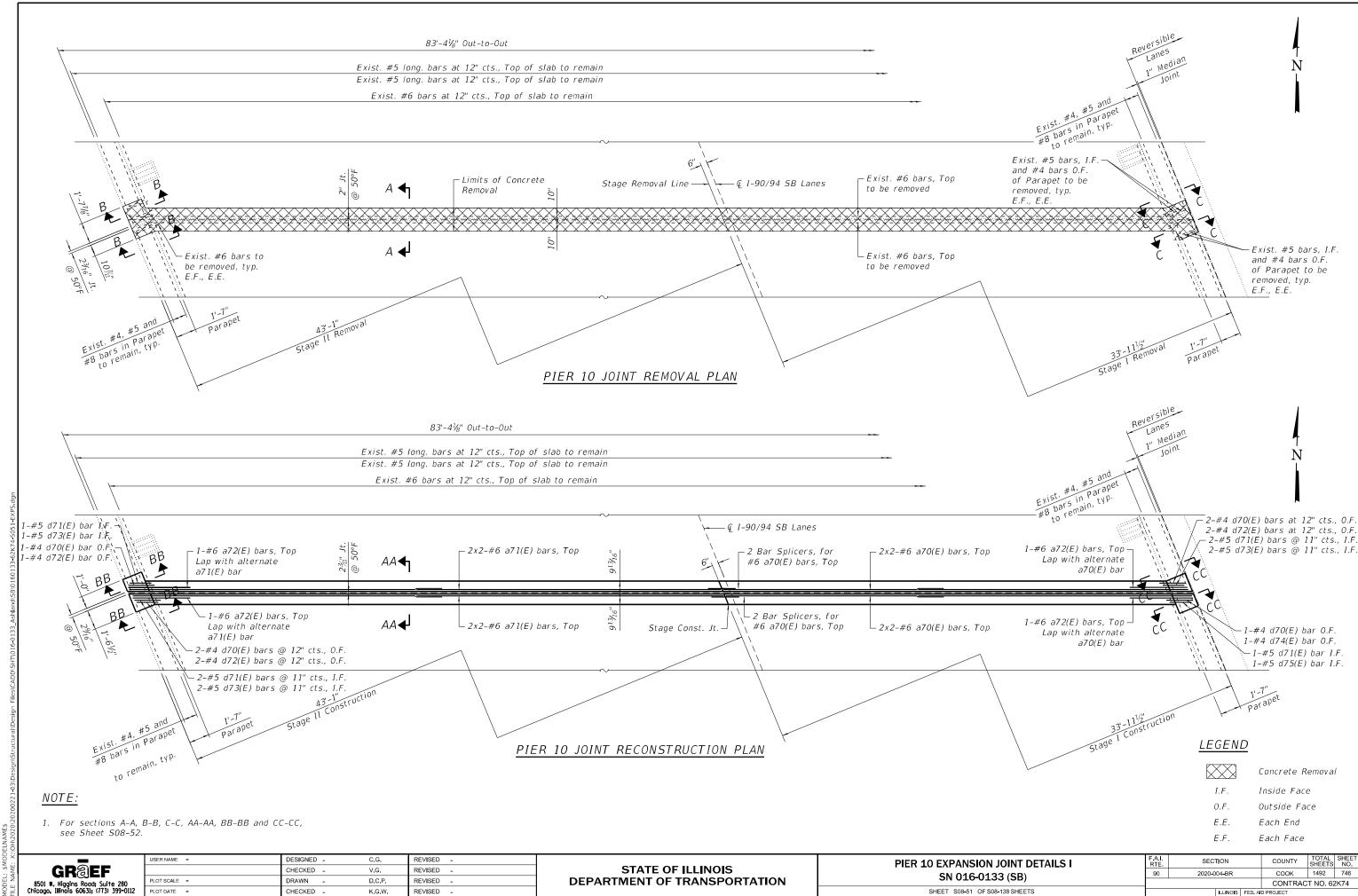
LEGEND

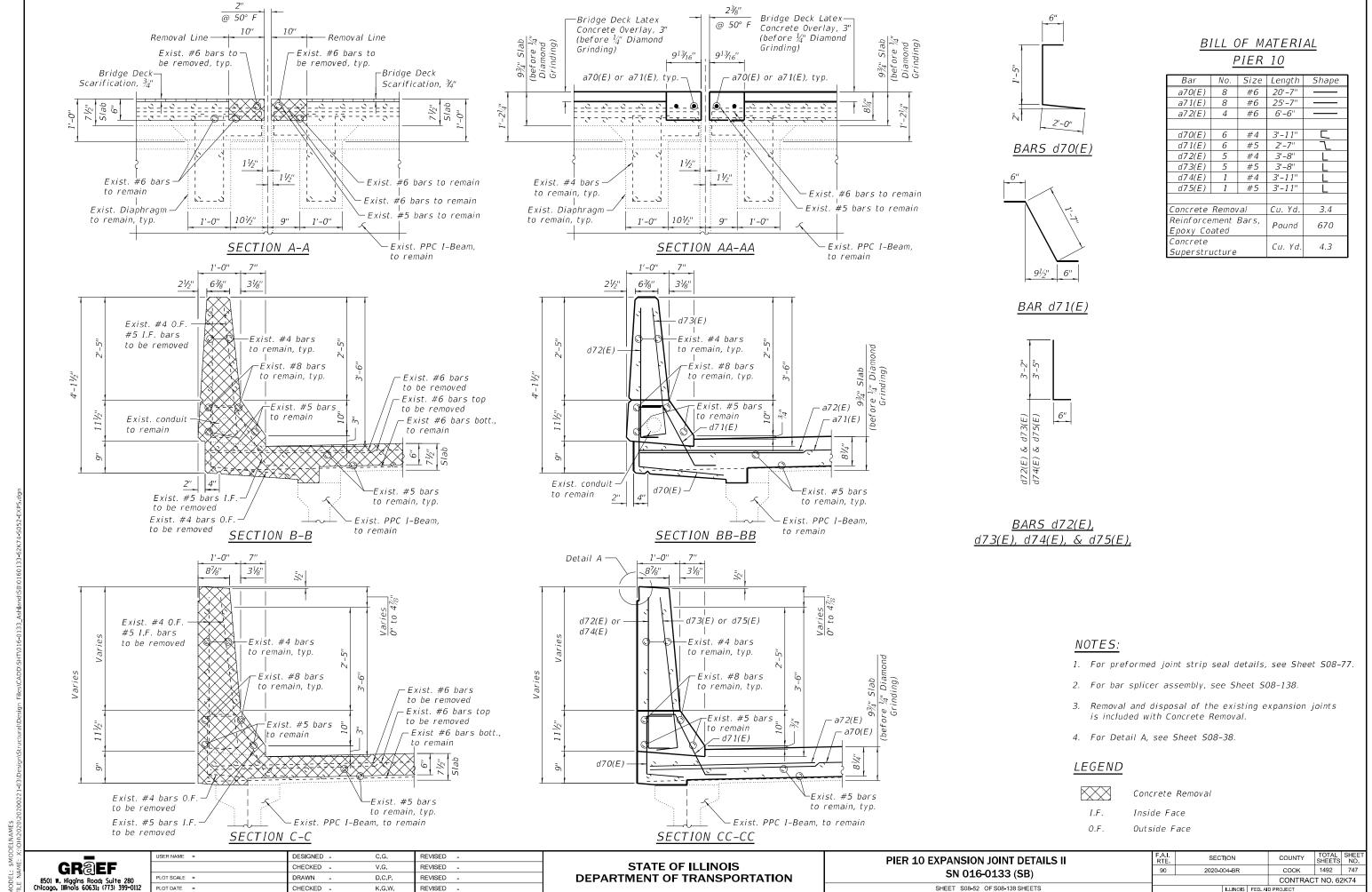
I.F.

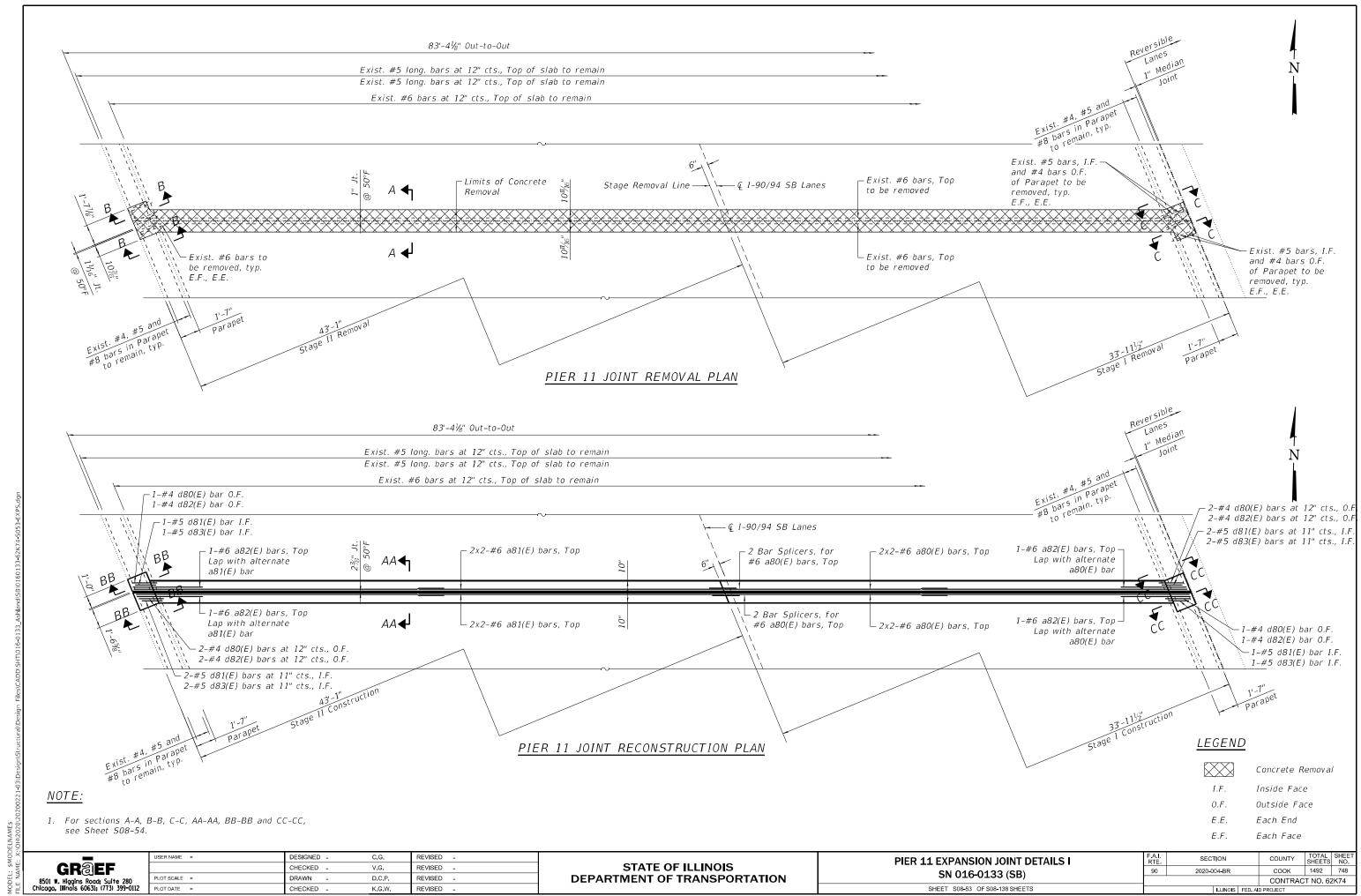
0.F.

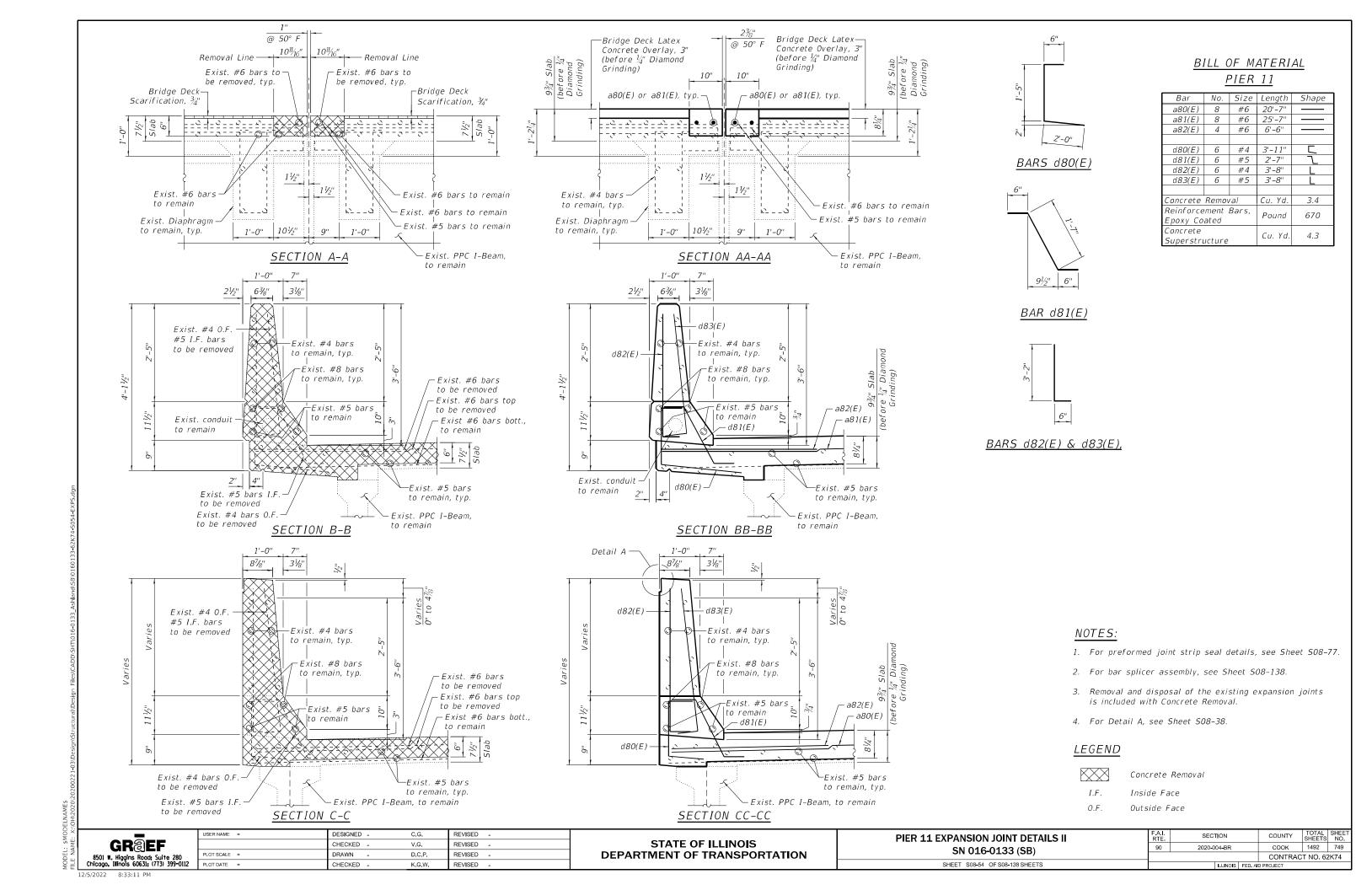
E.E.

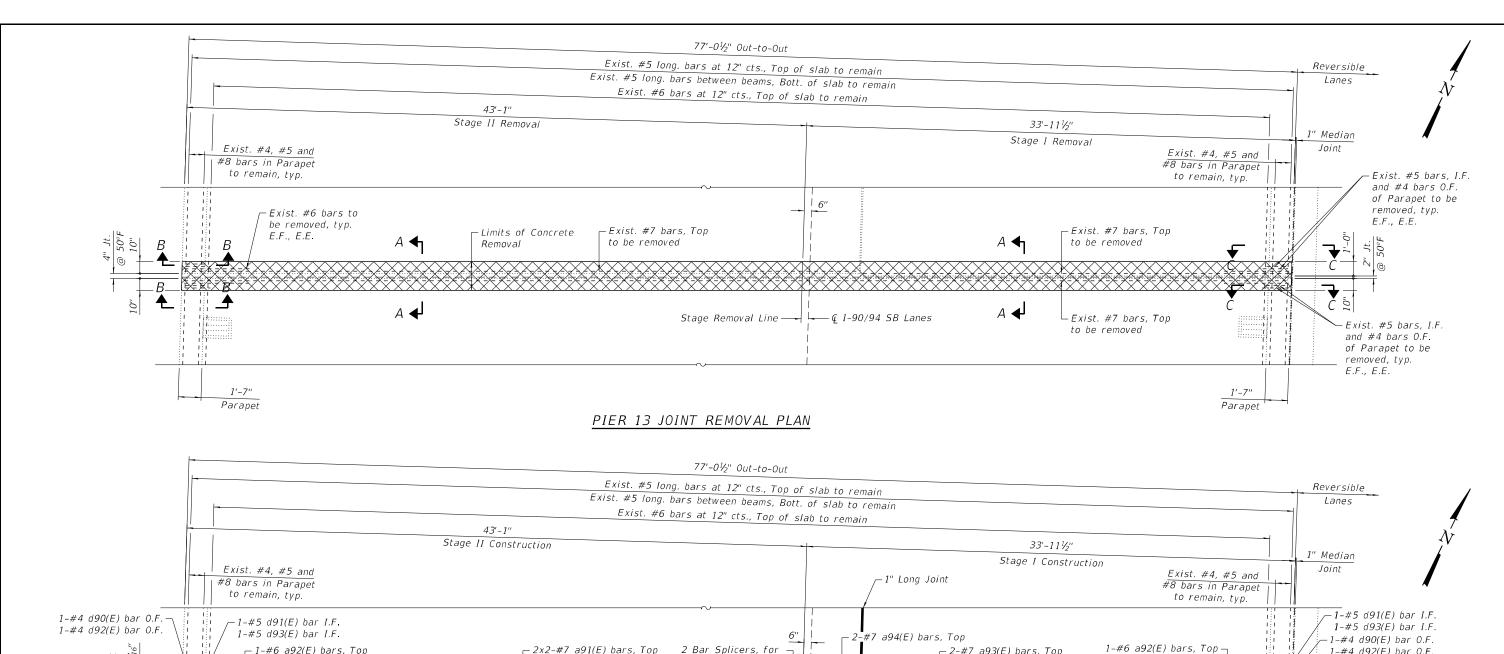


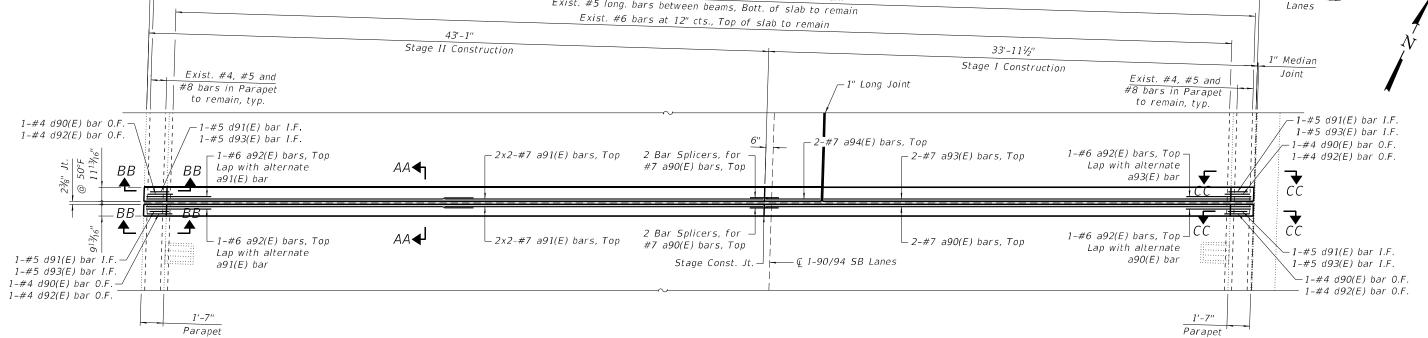












PIER 13 JOINT RECONSTRUCTION PLAN

NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC,

1.	1 01	30000	113 7 7, 0	D, C	C, AA	$\neg \neg$,	טט	DD	and	CC	CC,
	see	Sheet	S08-56.								

	REVISED -	C.G.	DESIGNED -	SER NAME =
STATE OF ILLINOIS	REVISED -	V.G.	CHECKED -	
DEPARTMENT OF TRANSPORTATION	REVISED -	D.C.P.	DRAWN -	OT SCALE =
1	PEVISED	KGW	CHECKED	OT DATE -

PIER 13 EXPANSION JOINT DETAILS I SN 016-0133 (SB)	_
SHEET S08-55 OF S08-138 SHEETS	

F.A.I. RTE	SECTION 2020-004-BR			COUNTY	TOTAL SHEETS	SHEE NO.
90				соок	1492	750
				CONTRAC	T NO. 62	2K74
		ILLINOIS	FED. A	D PROJECT		

Concrete Removal

Inside Face

Outside Face

Each End

Each Face

LEGEND

I.F.

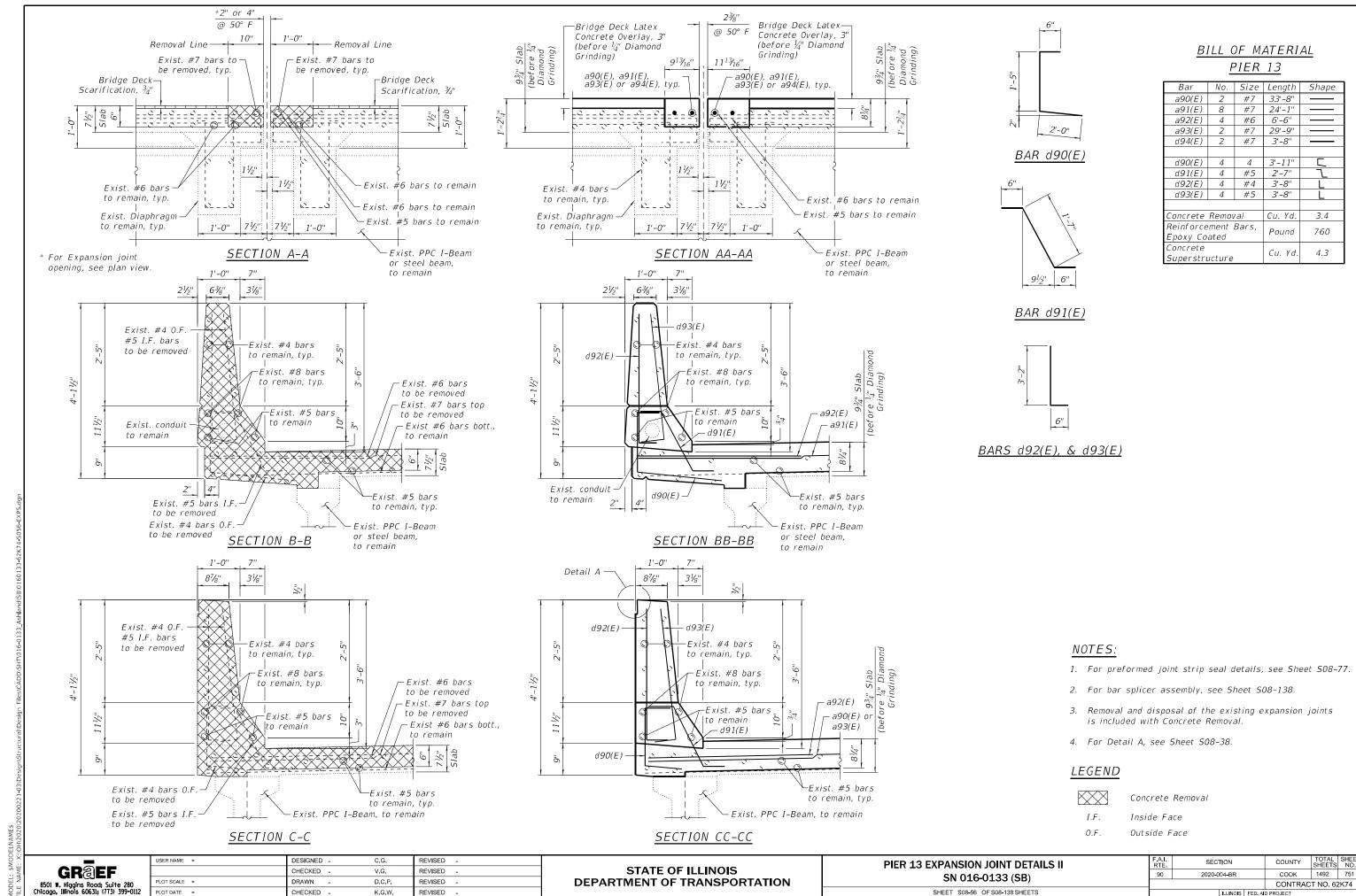
0.F.

E.E.

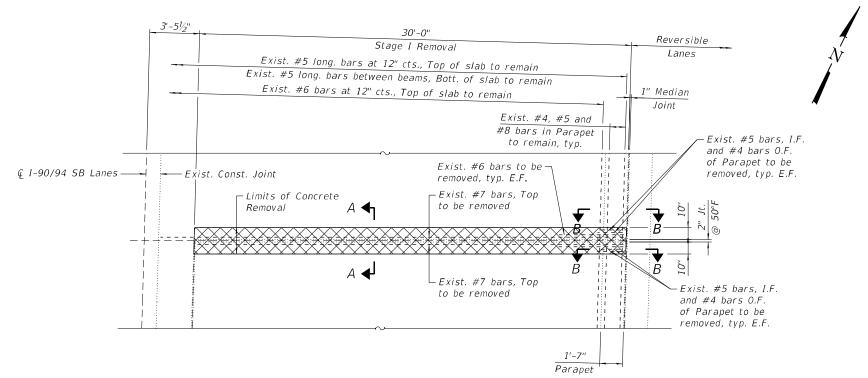
E.F.

GR@EF

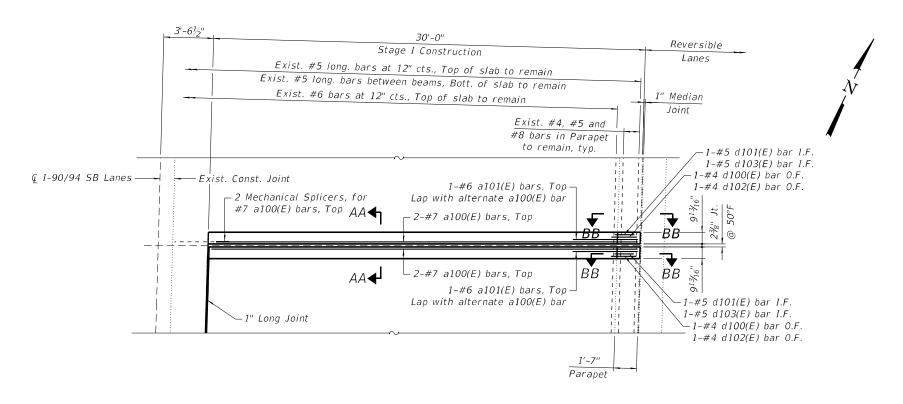
8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112



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PIER 14 JOINT REMOVAL PLAN



PIER 14 JOINT RECONSTRUCTION PLAN

NOTE:

1. For sections A-A, B-B, AA-AA, and BB-BB, see Sheet S08-58.

GR@EF 8501 W. Higgins Road: Suite 280 Chicago, Illinois 60631; (773) 399-0112

CHECKED - V.G. REVISED	-
PLOT SCALE = DRAWN - D.C.P. REVISED	-
PLOT DATE = CHECKED - K.G.W. REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PIER 14 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

SECTION	COUNTY	TOTAL SHEETS	SI		
20-004-BR	COOK	1492	7		
	CONTRACT NO 62K				

90 SHEET S08-57 OF S08-138 SHEETS ILLINOIS FED. AID PROJECT

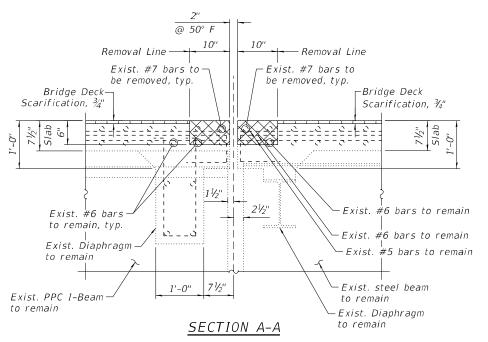
LEGEND

Concrete Removal I.F. Inside Face

0.F. Outside Face

E.E. Each End

E.F. Each Face



1'-0"

Exist. #4 0.F.

#5 I.F. bars

to be removed

Exist. #4 bars O.F.

Exist. #5 bars I.F.

to be removed

to be removed

31/8"

Exist. #4 bars

- E'xist. #8 bars

to remain, typ.

to remain

Exist. #5 bars

Exist. #6 bars

to be removed – Exist. #7 bars top

to be removed

to remain

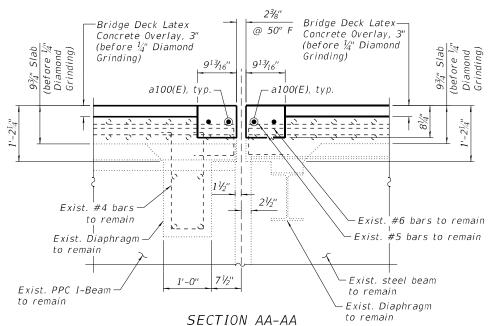
-Exist. #5 bars

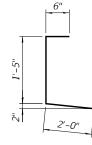
to remain, typ.

— Exist. PPC I-Beam, to remain

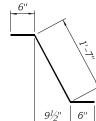
– Exist #6 bars bott.,

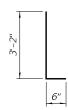
to remain, typ.





BAR d100(E)





BARS d102(E), & d103(E)

Detail A — 31/8" d102(E)d103(E) Exist. #4 bars to remain, typ. -Exist. #8 bars to remain, typ. -Exist. #5 bars _ a101(E) to remain _ a100(E) -d101(E)d100(E) Exist. #5 bars

SECTION B-B

SECTION BB-BB

to remain, typ.

- Exist. PPC I-Beam, to remain

NOTES:

- 1. For preformed joint strip seal details, see Sheet S08-77.
- 2. For bar splicer assembly, see Sheet SO8-138.
- 3. Removal and disposal of the existing expansion joints is included with Concrete Removal.
- 4. For Detail A, see Sheet S08-38.

LEGEND

Concrete Removal

I.F. Inside Face

0.F. Outside Face

GR@EF 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112

DESIGNED -REVISED -C.G. CHECKED V.G. REVISED -DRAWN D.C.P. REVISED -K.G.W. CHECKED -REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 14 EXPANSION JOINT DETAILS II SN 016-0133 (SB) SHEET S08-58 OF S08-138 SHEETS

SECTION COUNTY 90 2020-004-BR COOK 1492 753 CONTRACT NO. 62K74

d101(E) 2 #5 d102(E) 2 #4 d103(E) 2 #5 Concrete Removal Reinforcement Bars,

a101(E)

Epoxy Coated Concrete

Superstructure

BILL OF MATERIAL PIER 14

Bar No. Size Length Shape

6'-6"

2'-7" 3'-8"

3'-8"

Cu. Yd

Pound

Cu. Yd.

1.2

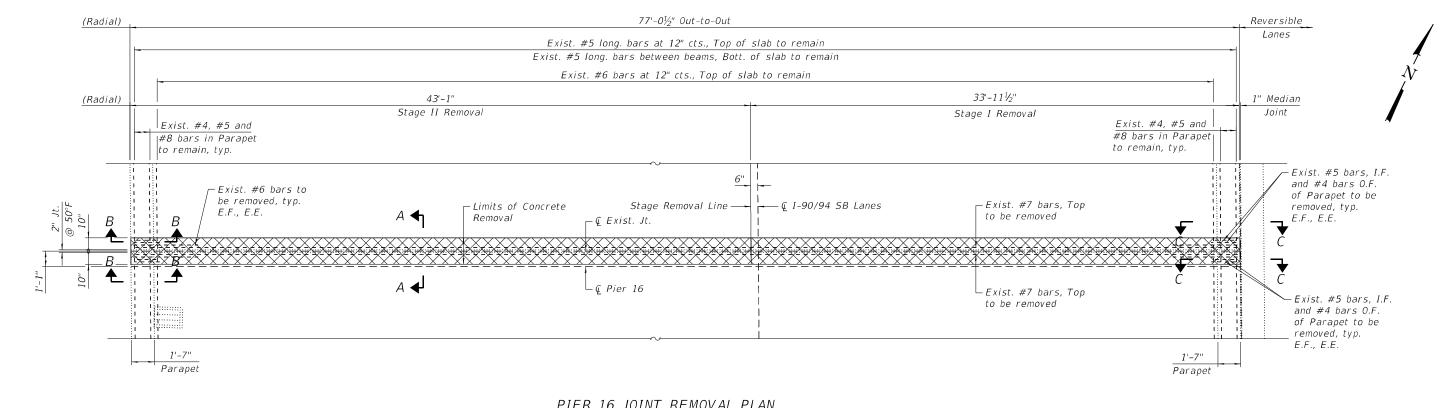
230

1.5

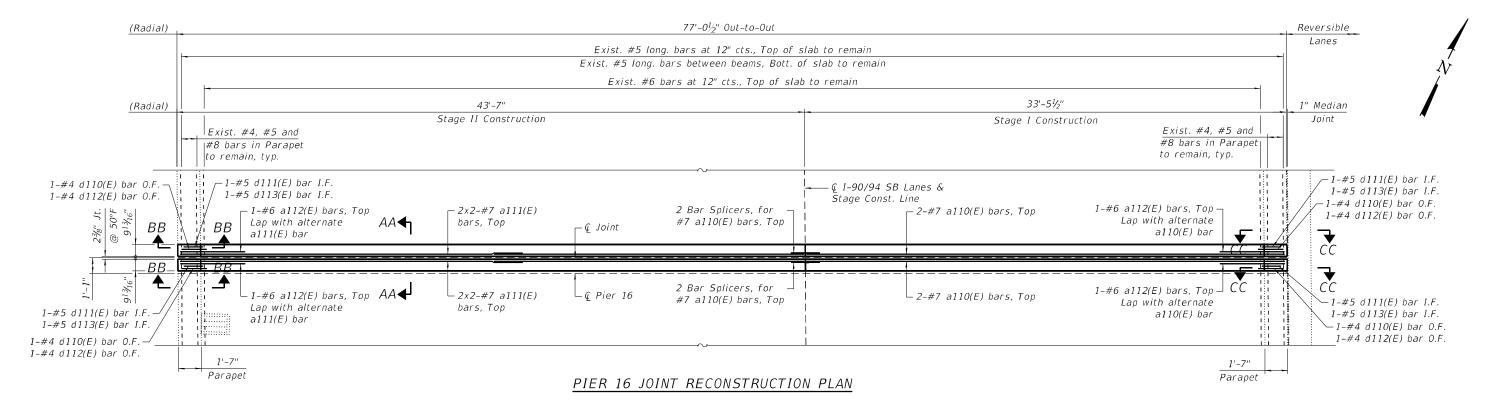
#6

a100(E) 4 #6 29'-9"

BAR d101(E)



PIER 16 JOINT REMOVAL PLAN



NOTE:

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC,

see Sheet S08-60.

	USER NAME =	DESIGNED -	C.G.	REVISED -
GR@EF		CHECKED -	V.G.	REVISED -
8501 W. Higgins Road; Suite 280	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
Chicago, Illinois 60631; (773) 399-0112	PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 16 EXPANSION JOINT DETAILS I SN 016-0133 (SB)	
SHEET S08-59 OF S08-138 SHEETS	

A.I. TE	SECTION	COUNTY	TOTAL SHEETS	SHE	
90	2020-004-BR	соок	1492	75	
			CONTRAC	T NO. 62	2K74
ILLINOIS FED. AID PROJECT					

Concrete Removal

Inside Face

Outside Face

Each End

Each Face

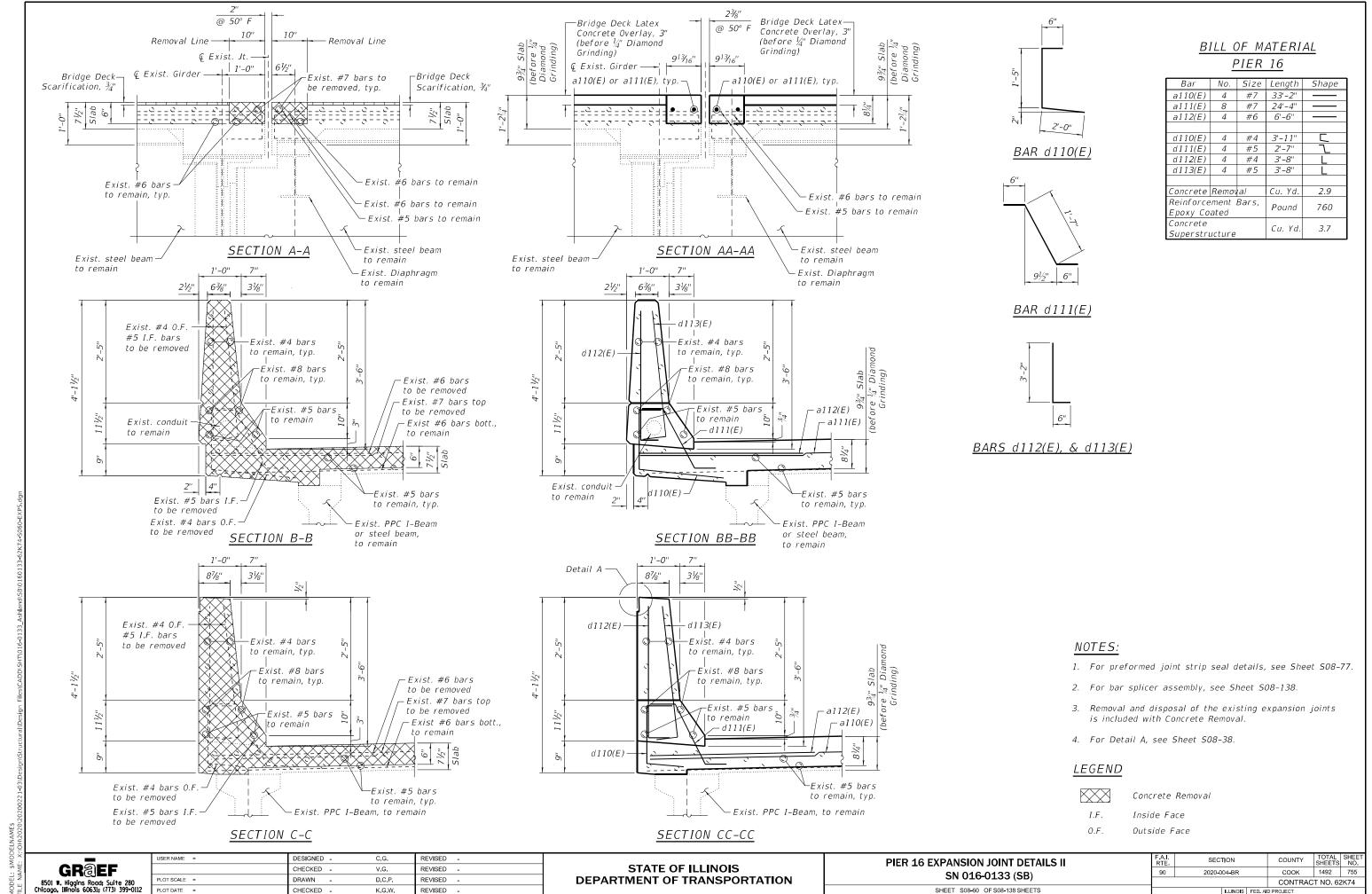
LEGEND

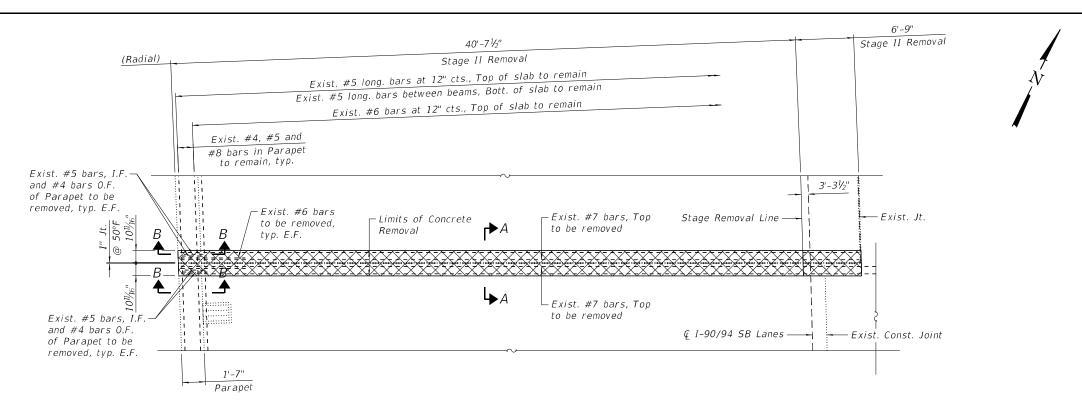
I.F.

0.F.

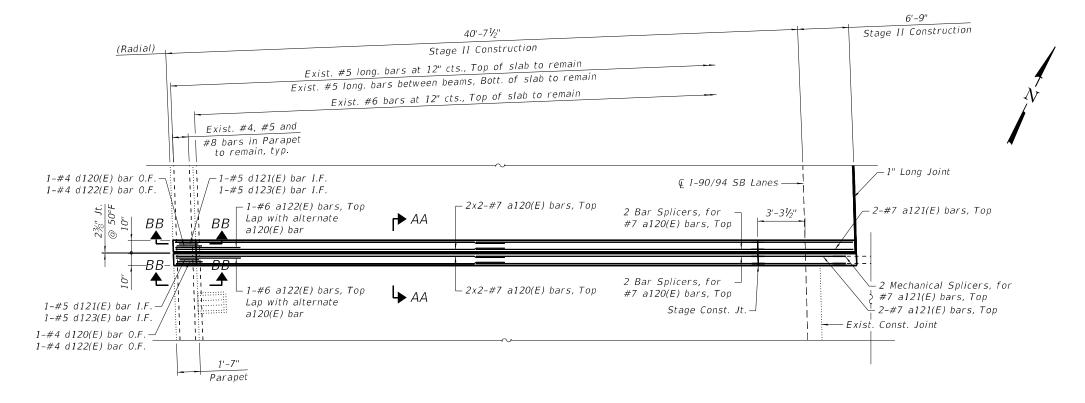
E.E.

E.F.





PIER 17 JOINT REMOVAL PLAN



PIER 17 JOINT RECONSTRUCTION PLAN

NOTE:

ctions A-A. B-B. AA-AA. and BB-BB.

FOF	sectio.	ns A-A,	B-B, .	AA-AA,	ana	BB-BB,	
see	Sheet	508-62.					

	USER NAME =	DESIGNED	-	C.G.	REVISED	-
		CHECKED	-	V.G.	REVISED	-
	PLOT SCALE =	DRAWN	-	D.C.P.	REVISED	-
:	PLOT DATE =	CHECKED	-	K.G.W.	REVISED	-

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** PIER 17 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

E.F. Each Face SECTION COUNTY

Concrete Removal

Inside Face

Outside Face

Each End

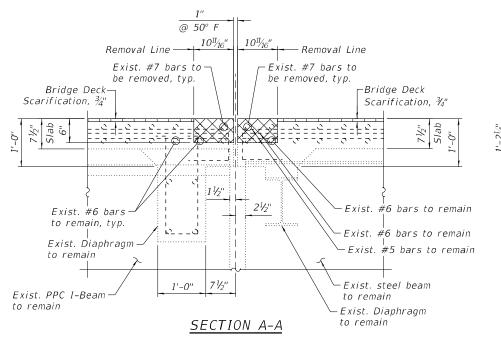
LEGEND

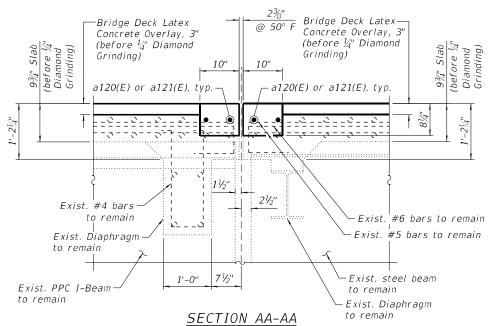
I.F.

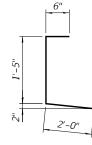
0.F.

E.E.

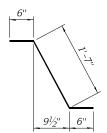
2020-004-BR COOK 1492 756 CONTRACT NO. 62K74 SHEET S08-61 OF S08-138 SHEETS



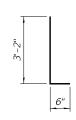




BAR d120(E)



BAR d121(E)



BARS d122(E), & d123(E)

31/8" - d123(E) Exist. #4 0.F. #5 I.F. bars -Exist. #4 bars -Exist. #4 bars to be removed to remain, typ. d122(E)to remain, typ. Exist. #8 bars -Exist. #8 bars to remain, typ. to remain, typ. - Exist. #6 bars to be removed -Exist. #7 bars top Exist. #5 bars to be removed to remain Exist. conduit – Exist #6 bars bott., to remain to remain Exist. conduit -Exist. #5 bars to remain d120(E)Exist. #5 bars I.F. to remain, typ. to be removed Exist. #4 bars O.F. Exist. PPC I-Beam to be removed or steel beam, to remain

NOTES:

1. For preformed joint strip seal details, see Sheet S08-77.

BILL OF MATERIAL PIER 17

Bar No. Size Length Shape

#6

#4

#5

6'-5"

3'-11"

3'-8"

Cu. Yd.

Pound

Cu. Yd.

1.8

470

2.3

a120(E) 8 #7 22'-10"

d122(E) 2 #4 3'-8" d123(E) 2 #5

a121(E) 4 #7

Concrete Removal

Epoxy Coated Concrete

Superstructure

Reinforcement Bars,

a122(E)

d120(E)

d121(E)

- 2. For bar splicer assembly, see Sheet SO8-138.
- 3. Removal and disposal of the existing expansion joints is included with Concrete Removal.
- 4. For Detail A, see Sheet S08-38.

LEGEND

Concrete Removal

I.F. Inside Face

0.F. Outside Face

USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

SECTION B-B

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTION BB-BB

Exist. #5 bars

to remain

— d121(E)

- a122(E)

– a120(E)

Exist. #5 bars

to remain, typ.

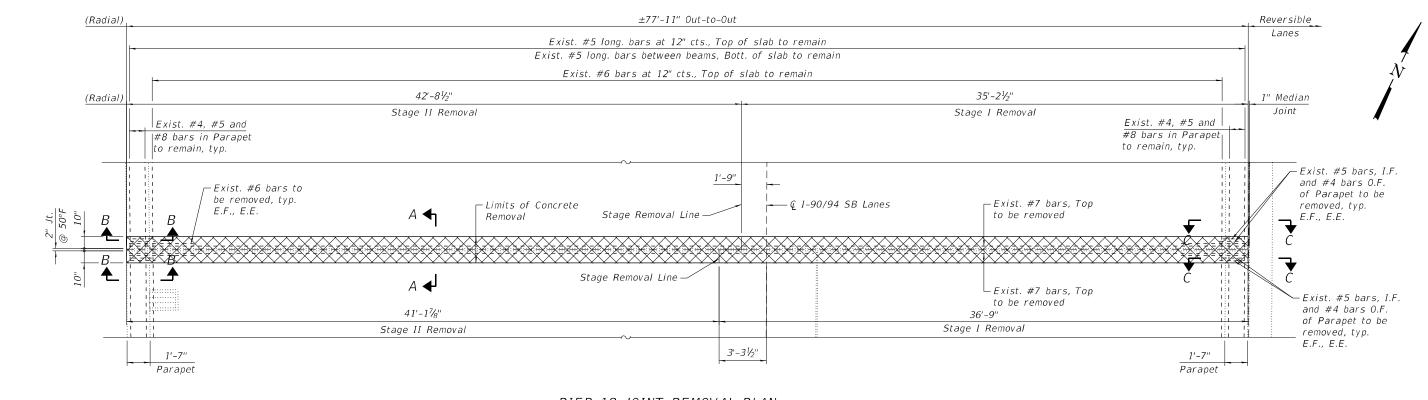
- Exist. PPC I-Beam

or steel beam,

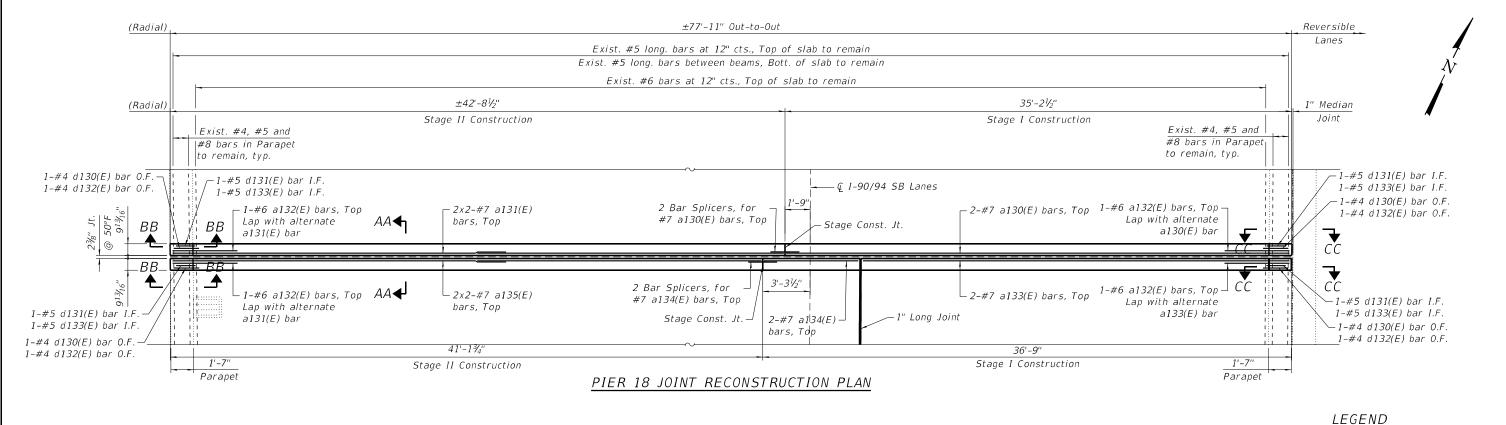
to remain

PIER 17 EXPANSION JOINT DETAILS II SN 016-0133 (SB) SHEET S08-62 OF S08-138 SHEETS

SECTION COUNTY 90 2020-004-BR COOK 1492 757 CONTRACT NO. 62K74



PIER 18 JOINT REMOVAL PLAN



NOTE:

A P. P. C. C. AA AA P.P. P.P. and C.C. C.C.

1.	FOF	sectio.	ns A-A,	В-В,	L-L,	AA-AA,	BB-BB	апа	((-((,	
	see	Sheet	508-64	!.						

	USER NAME =	DESIGNED -	C.G.	REVISED -	
		CHECKED -	V.G.	REVISED -	
2	PLOT SCALE =	DRAWN -	D.C.P.	REVISED -	
1112		OUEOVED	14.0.114	DE: 40ED	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 18 EXPANSION JOINT DETAILS I SN 016-0133 (SB) SHEET S08-63 OF S08-138 SHEETS

E.F. Each Face SECTION COUNTY 2020-004-BR COOK 1492 758 CONTRACT NO. 62K74

I.F.

0.F.

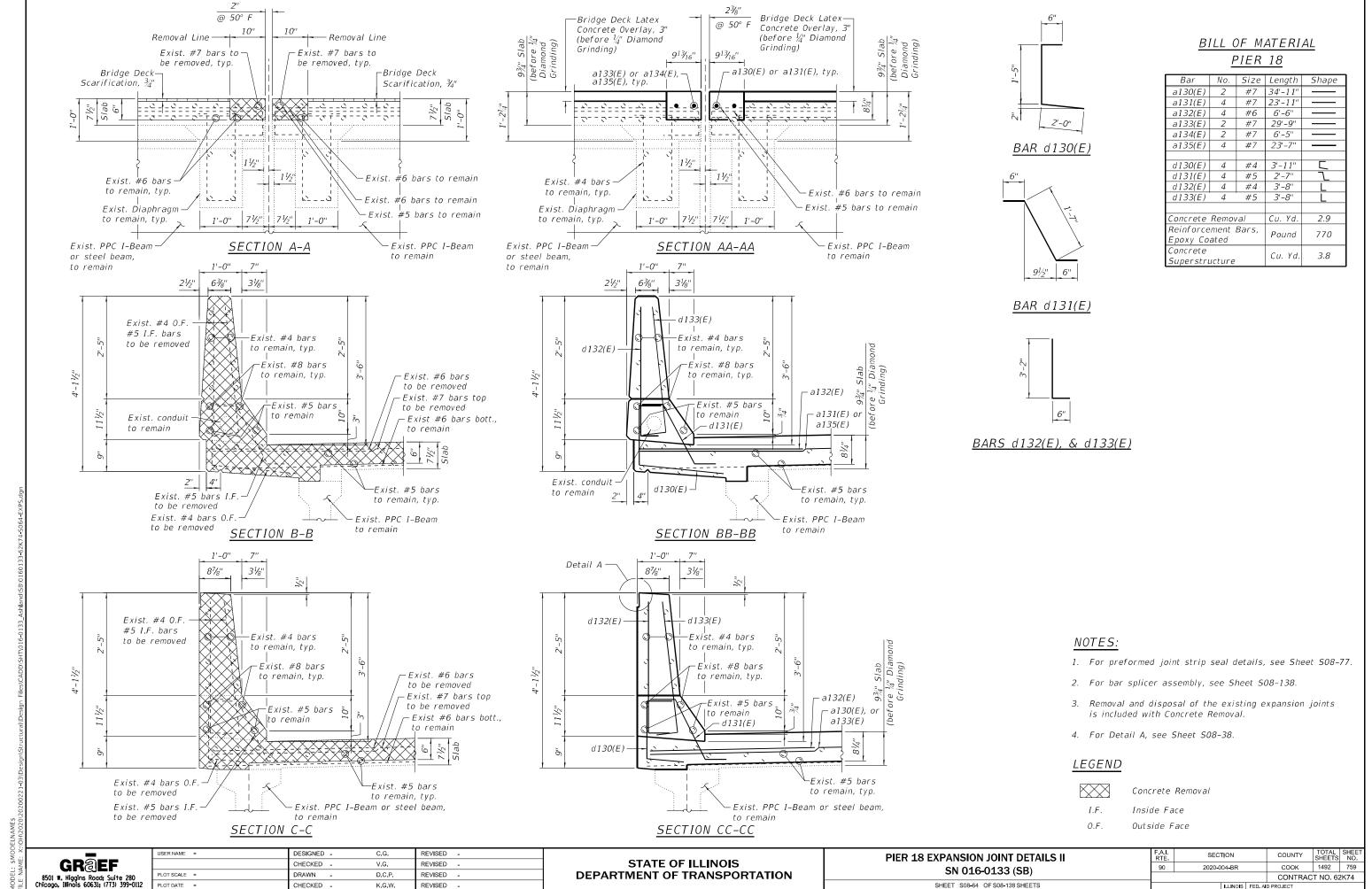
E.E.

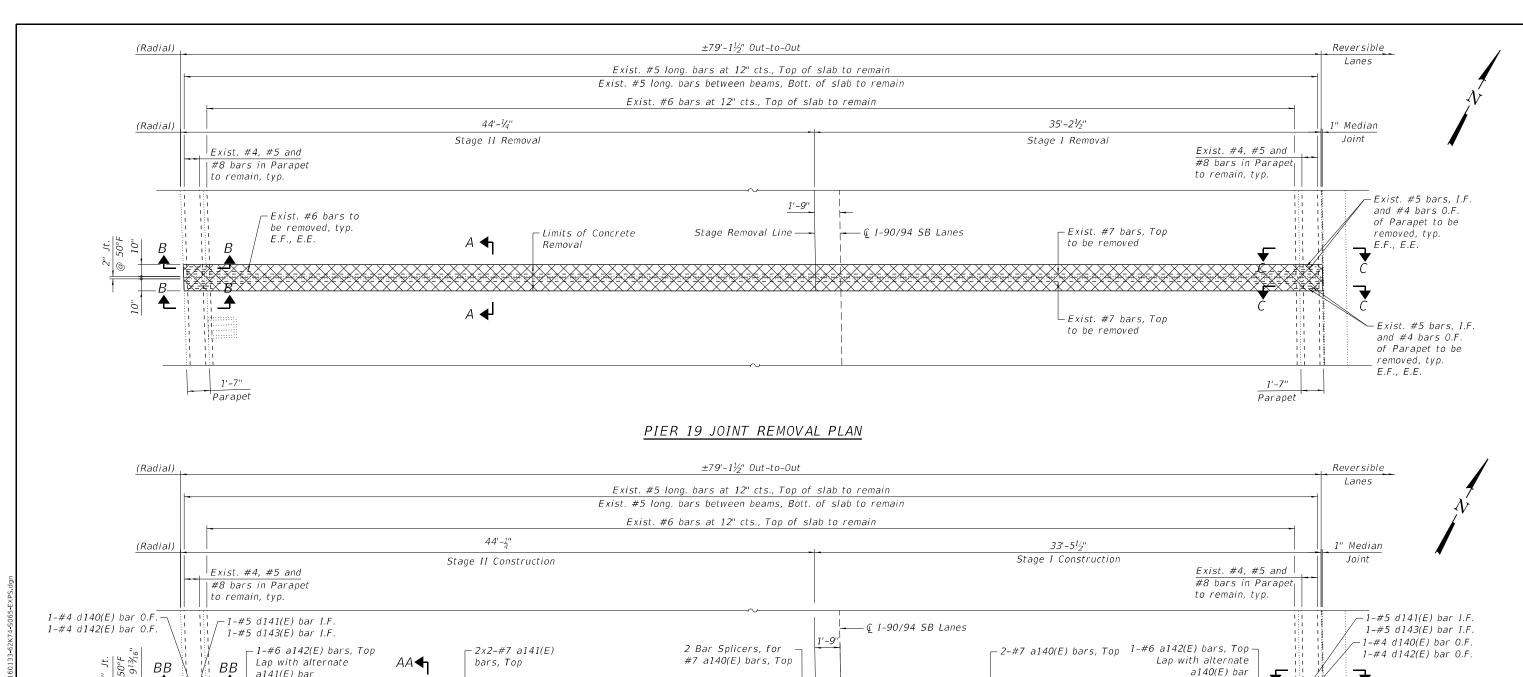
Concrete Removal

Inside Face

Outside Face

Each End





PIER 19 JOINT RECONSTRUCTION PLAN

Stage Const. Jt.-

2 Bar Splicers, for

#7 a140(E) bars, Top

└ 2-#7 a140(E) bars, Top

NOTE:

1-#5 d143(E) bar I.F.

1-#4 d140(E) bar 0.F. <u>-</u> 1-#4 d142(E) bar 0.F.

1. For sections A-A, B-B, C-C, AA-AA, BB-BB and CC-CC, see Sheet S08-66.

Parapet

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 19 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

1-#6 a142(E) bars, Top-

Lap with alternate

a140(E) bar

1'-7" Parapet

1-#5 d141(E) bar I.F.

1-#5 d143(E) bar I.F.

-1-#4 d140(E) bar 0.F.

1-#4 d142(E) bar 0.F

Concrete Removal

Inside Face

Outside Face

Each End

Each Face

CC

LEGEND

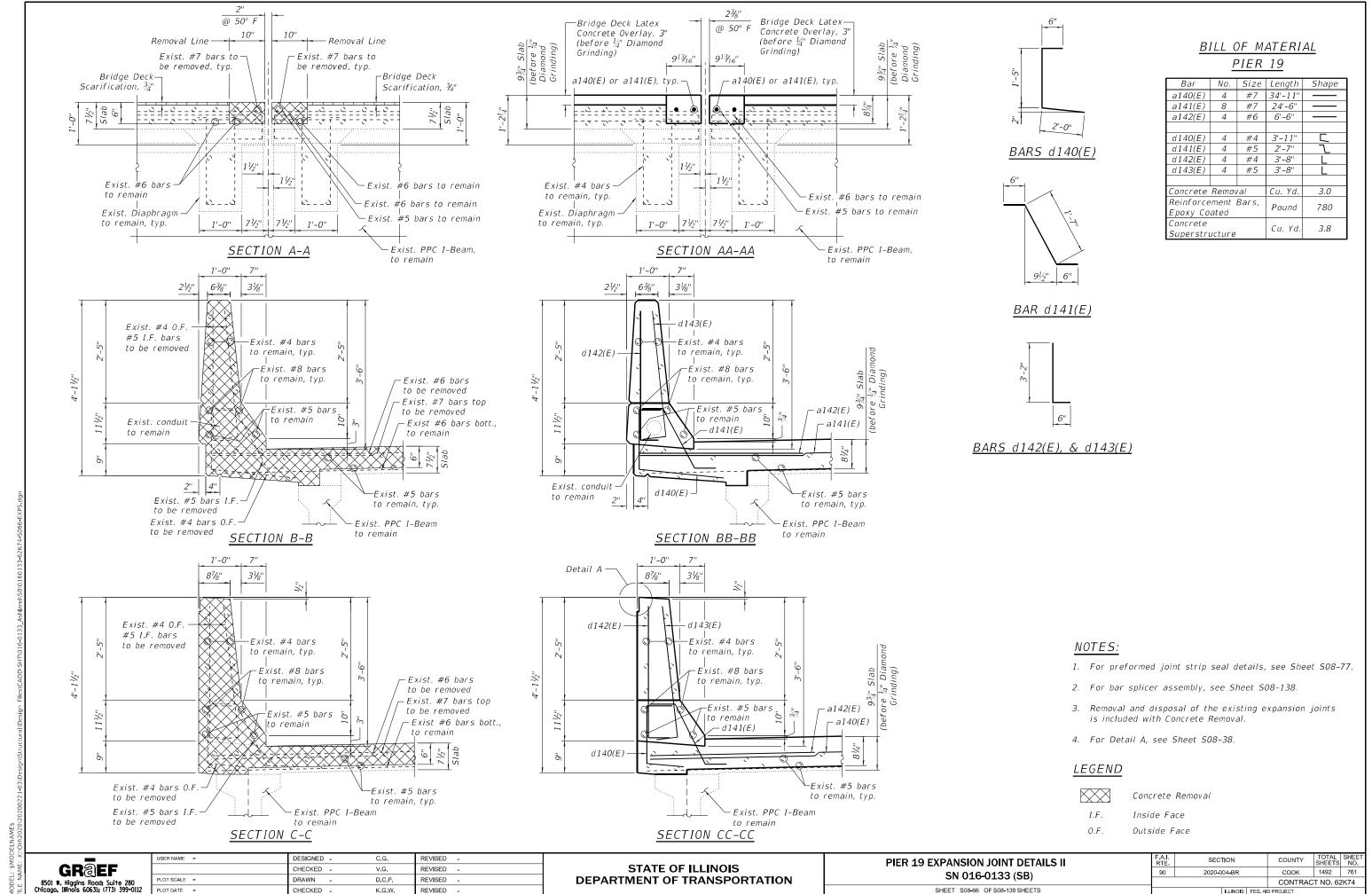
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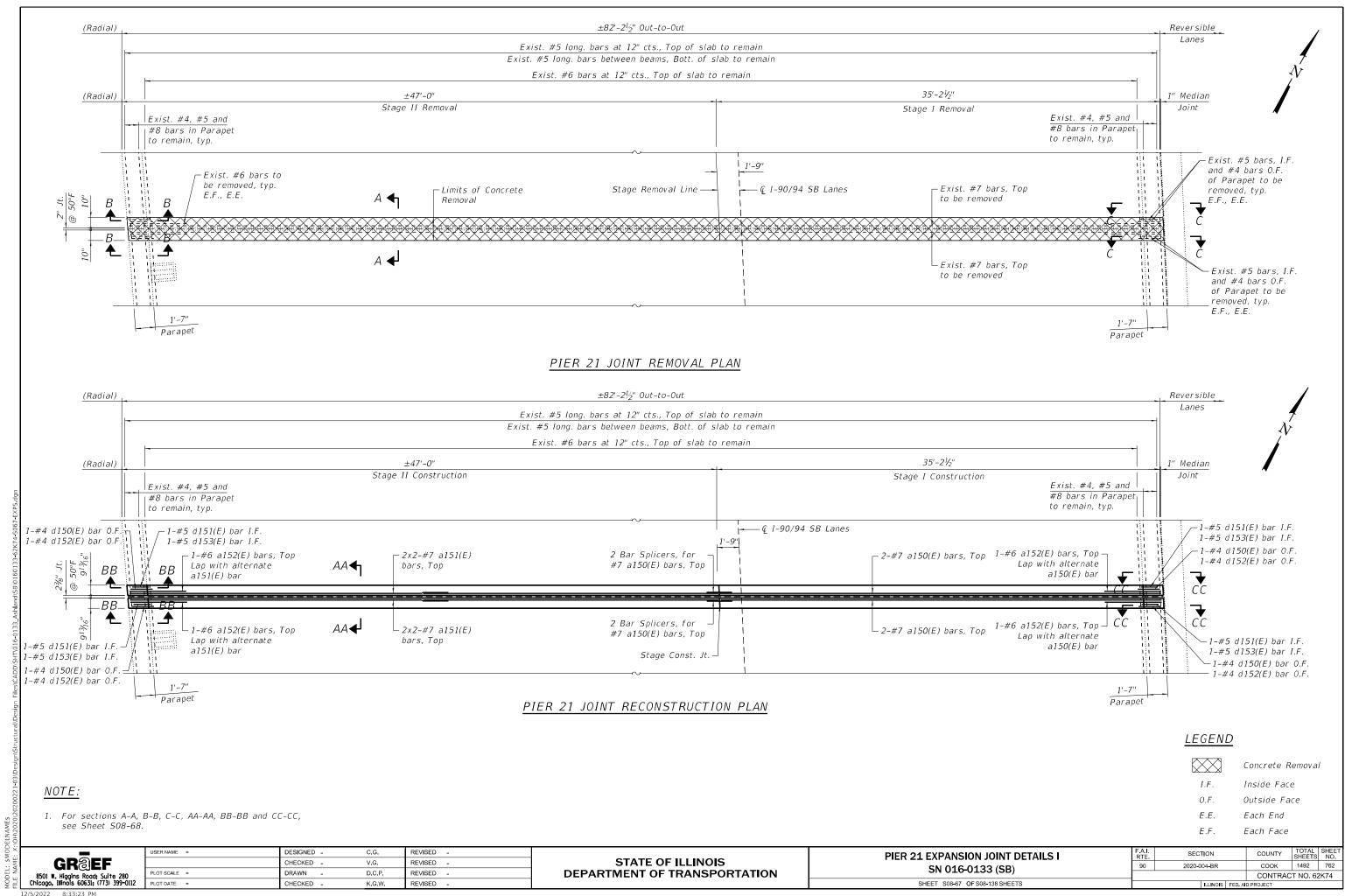
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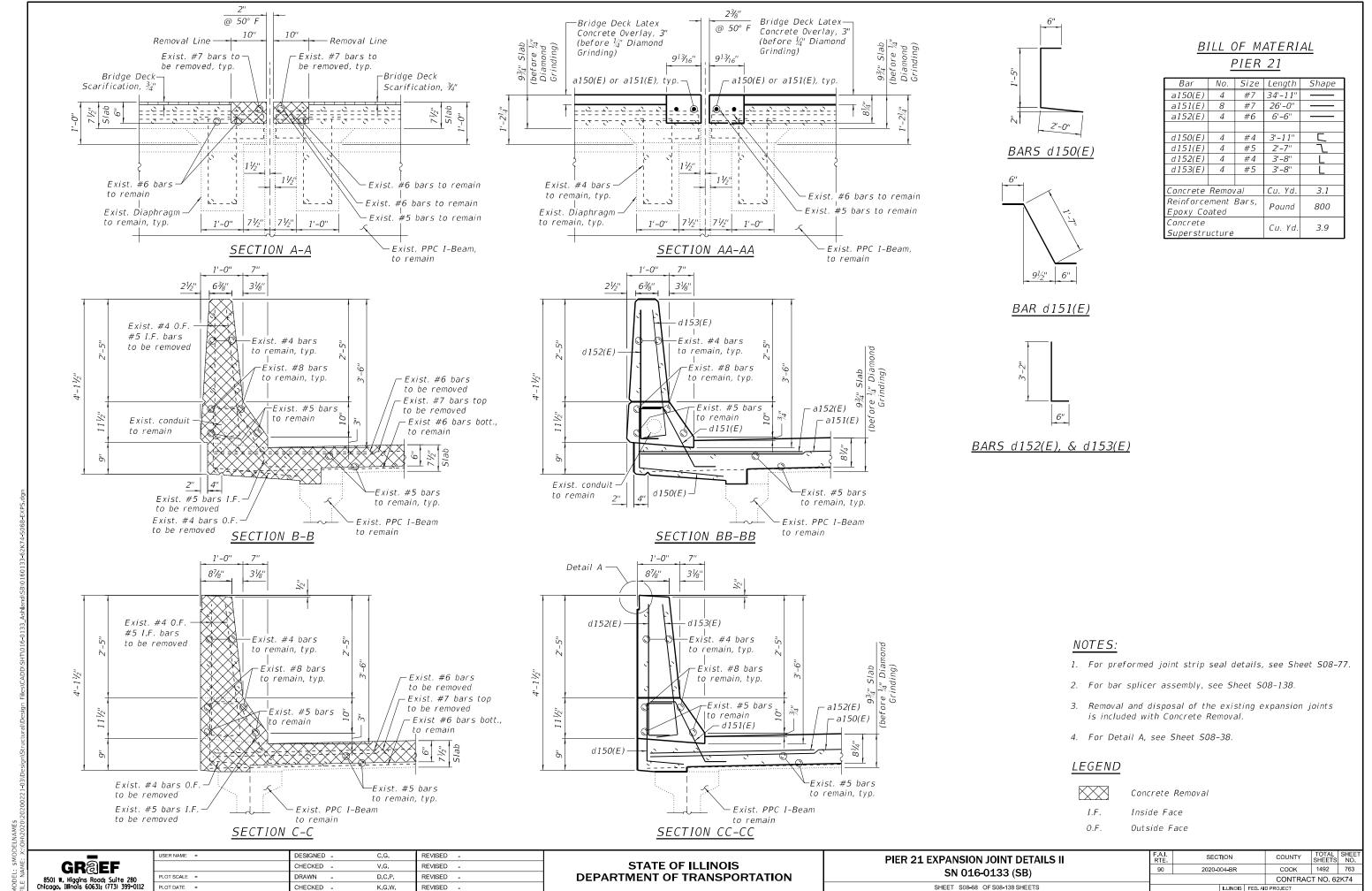
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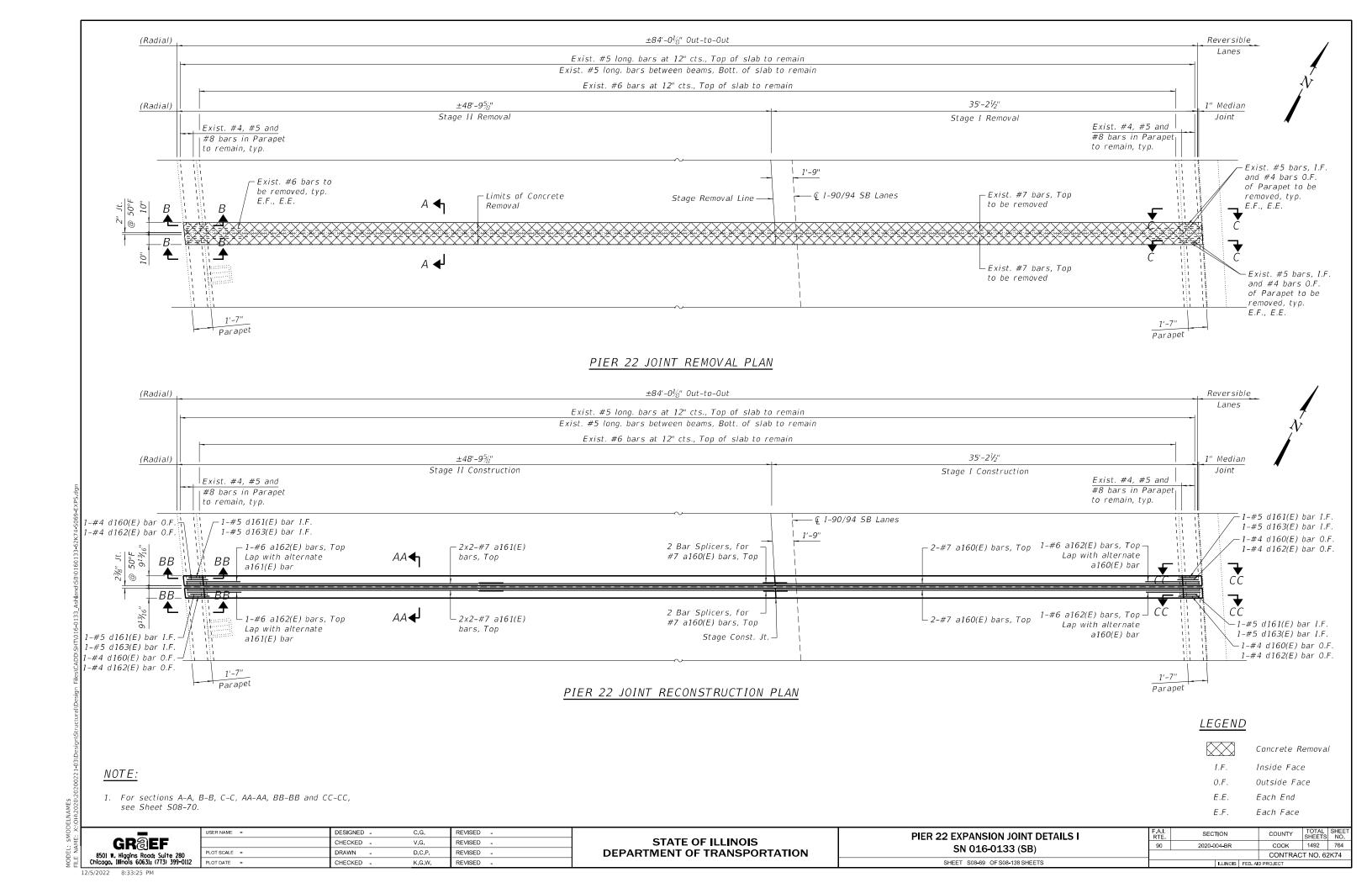
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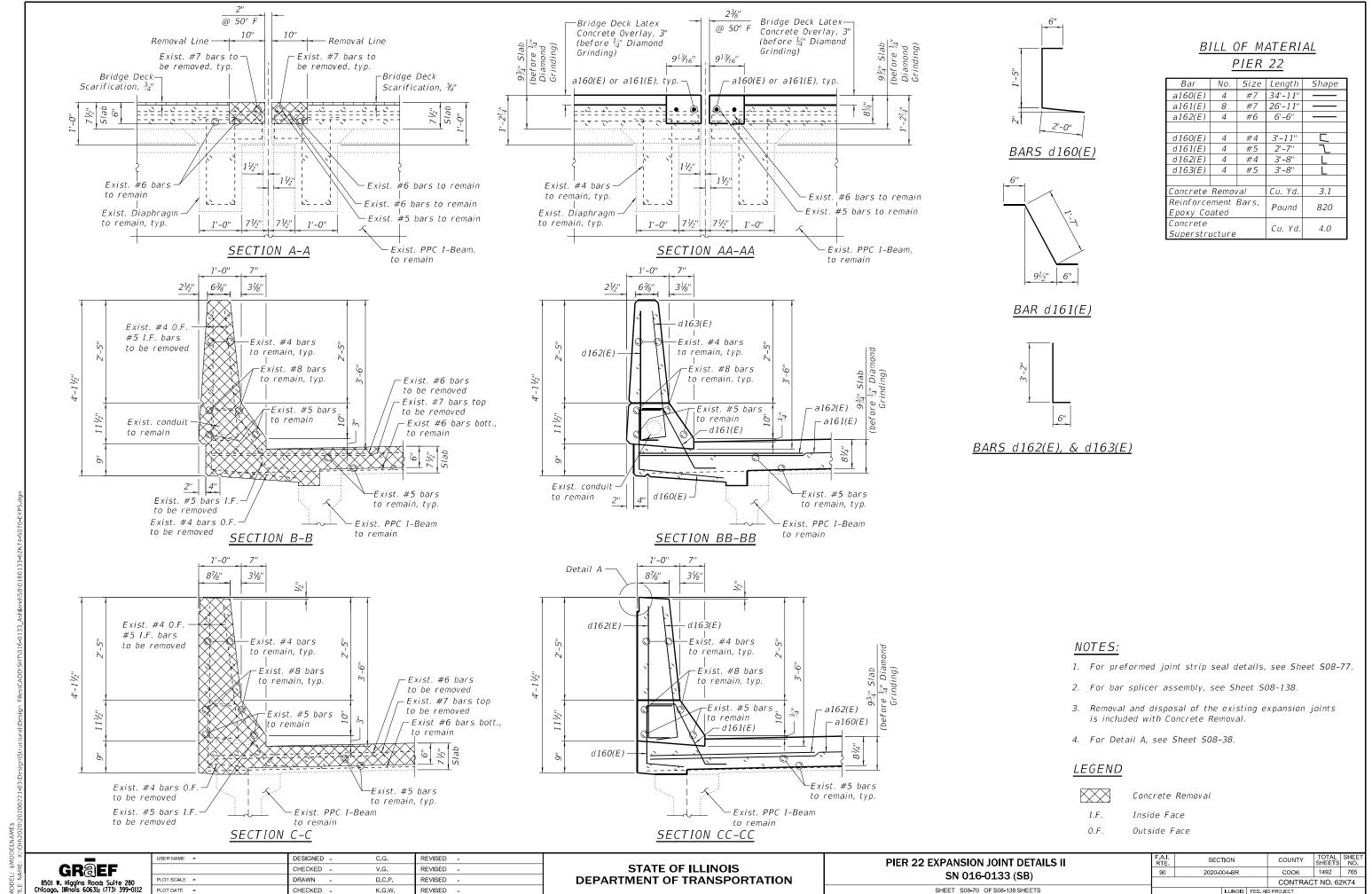
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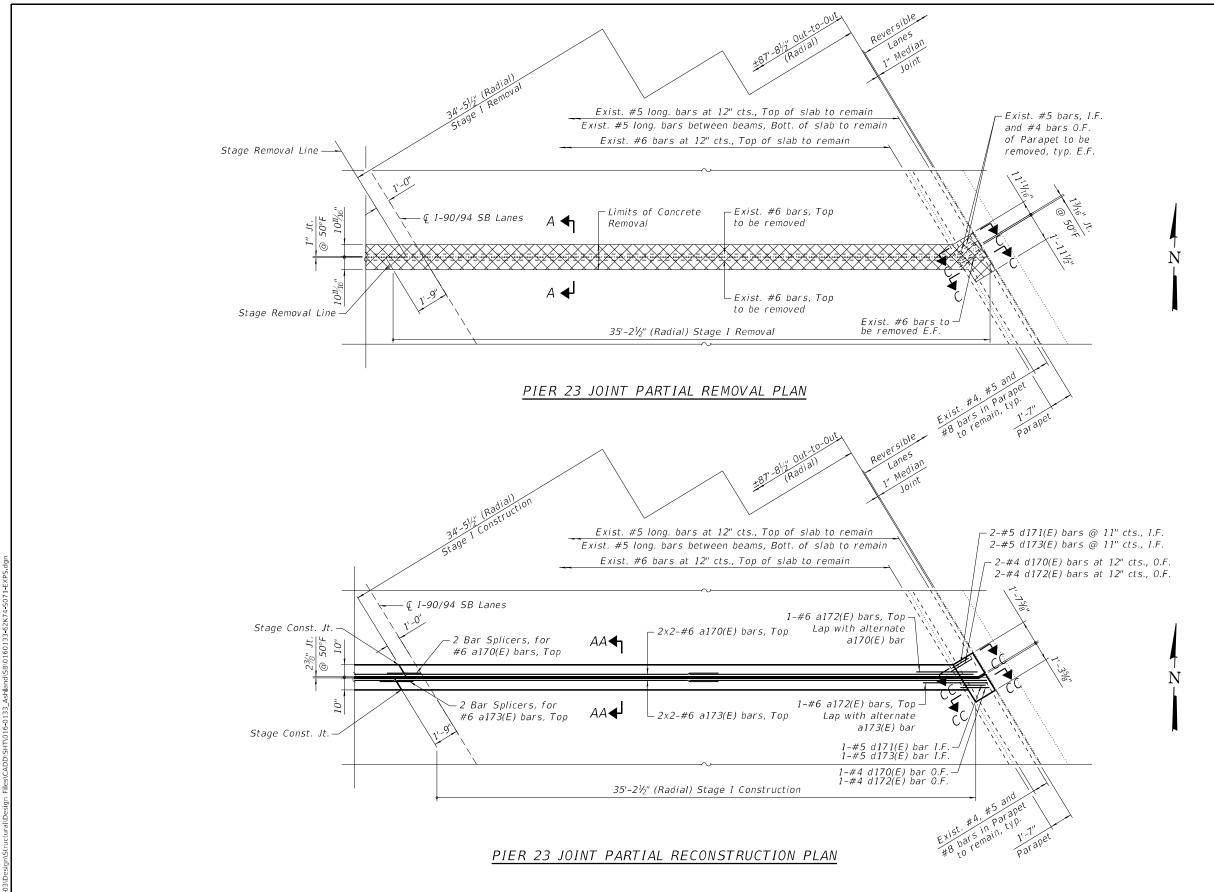












NOTE:

1. For sections A-A, C-C, AA-AA, and CC-CC, see Sheet S08-73.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 23 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

E.F. Each Face SECTION

Concrete Removal

Inside Face

Outside Face

Each End

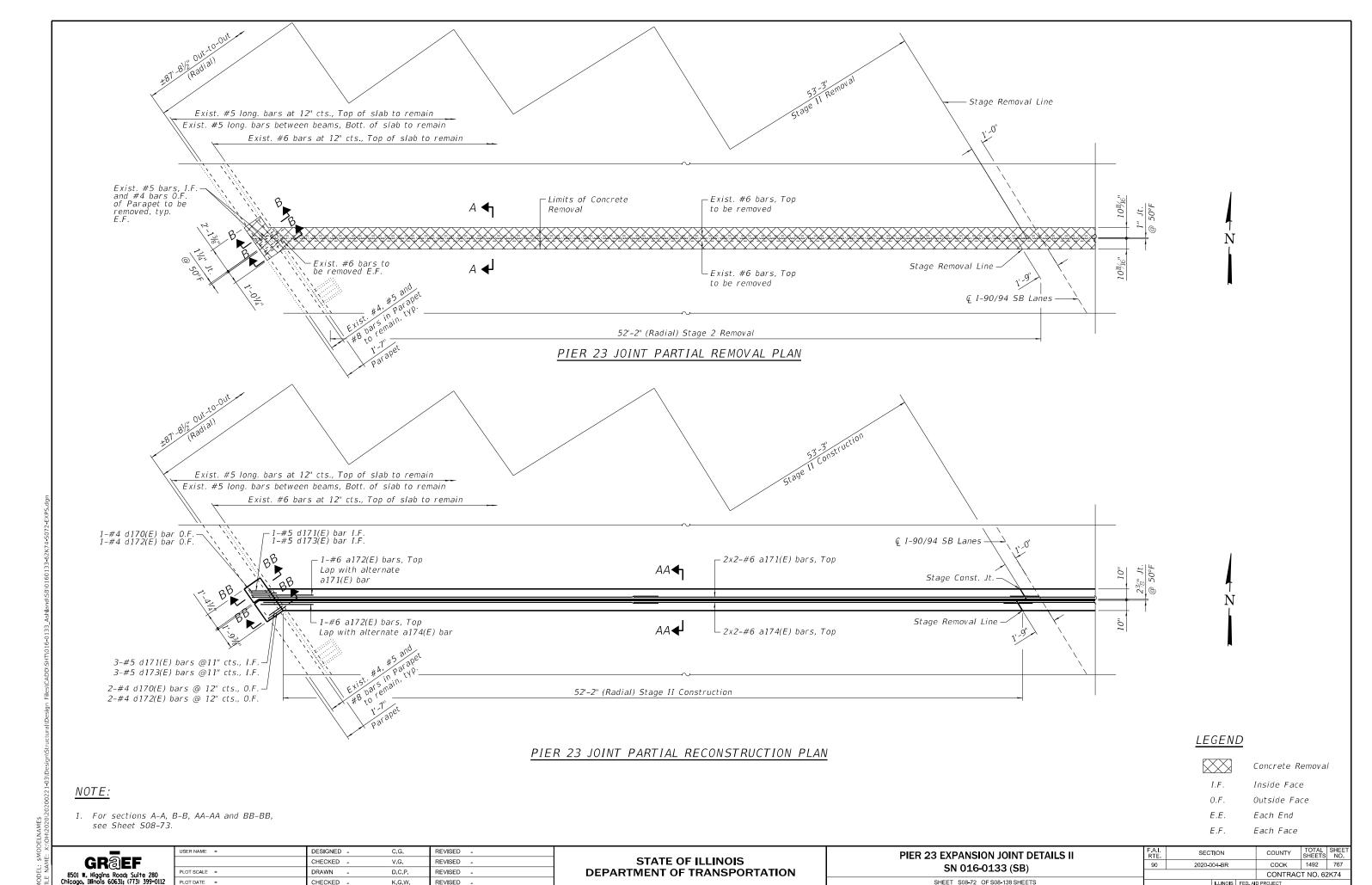
LEGEND

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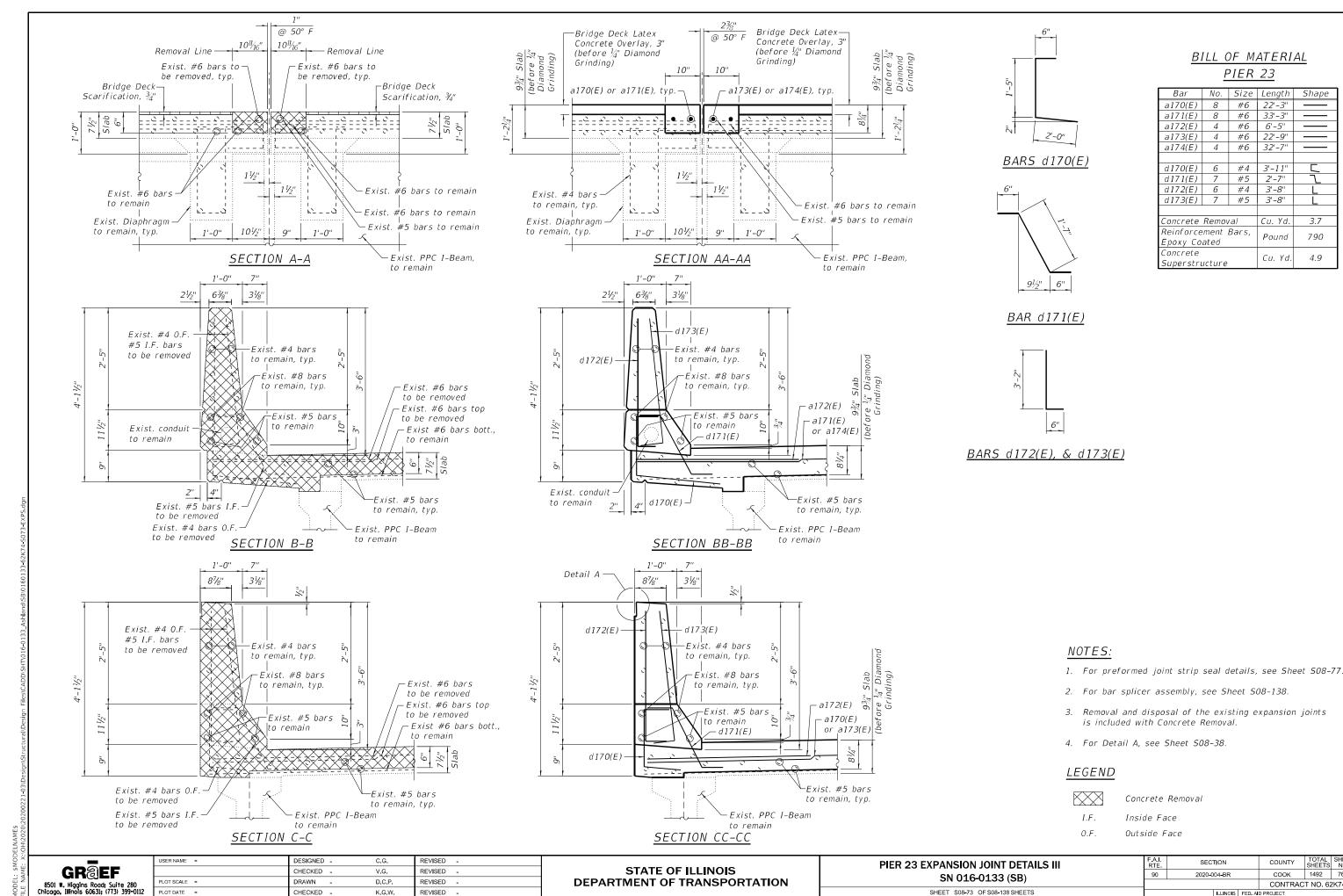
0.F.

E.E.

2020-004-BR COOK 1492 766 CONTRACT NO. 62K74 SHEET S08-71 OF S08-138 SHEETS



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33'-3'

3'-11'

2'-7"

3'-8"

3'-8"

Cu Yd

Pound

Cu. Yd.

COUNTY

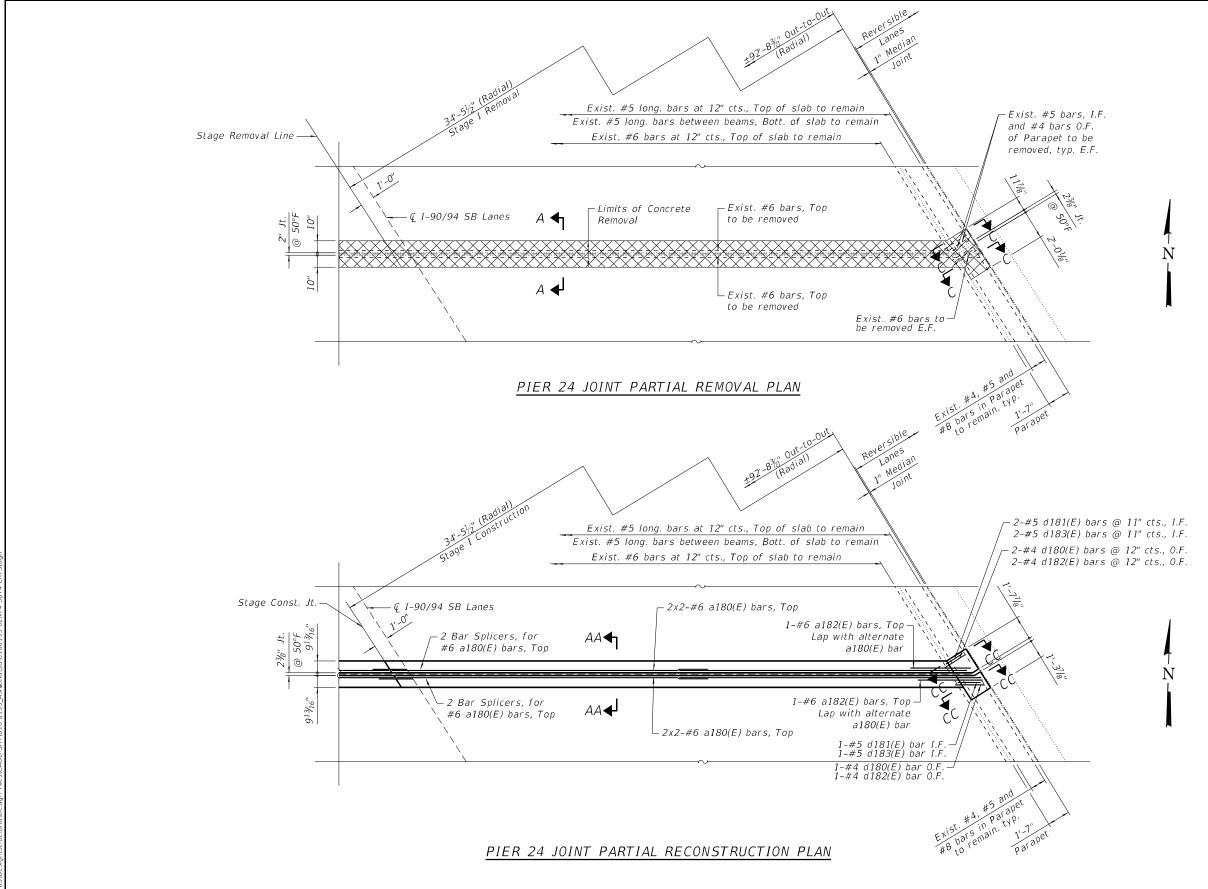
COOK 1492 768

CONTRACT NO. 62K74

3.7

790

4.9



NOTE:

1. For sections A-A, C-C, AA-AA, and CC-CC, see Sheet S08-76.

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Chicago, Illinois 60631; (773) 399-0112	PLOT DATE =

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PIER 24 EXPANSION JOINT DETAILS I SN 016-0133 (SB)

E.F. Each Face SECTION COUNTY COOK 1492 769

Concrete Removal

Inside Face

Outside Face

Each End

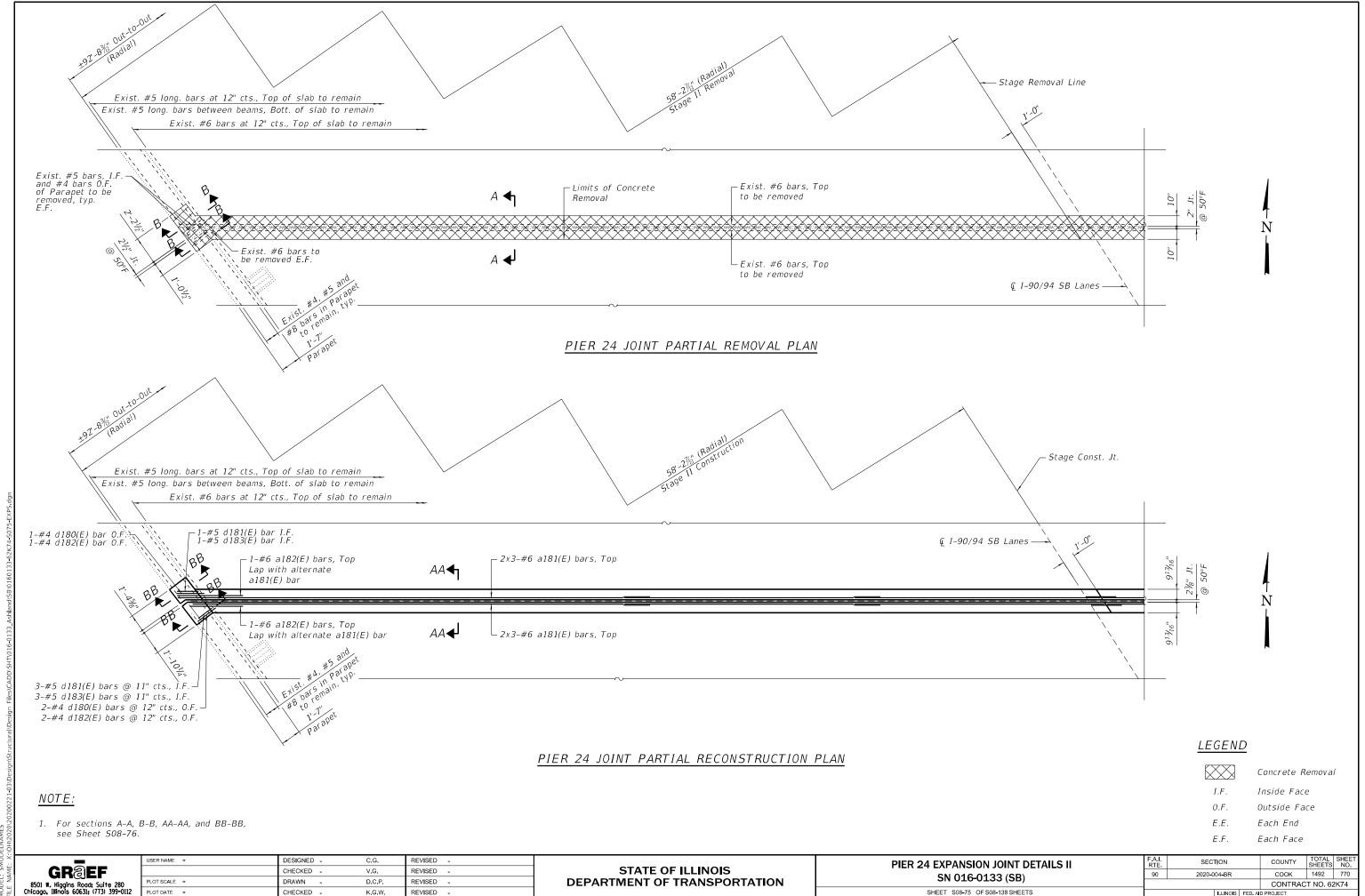
LEGEND

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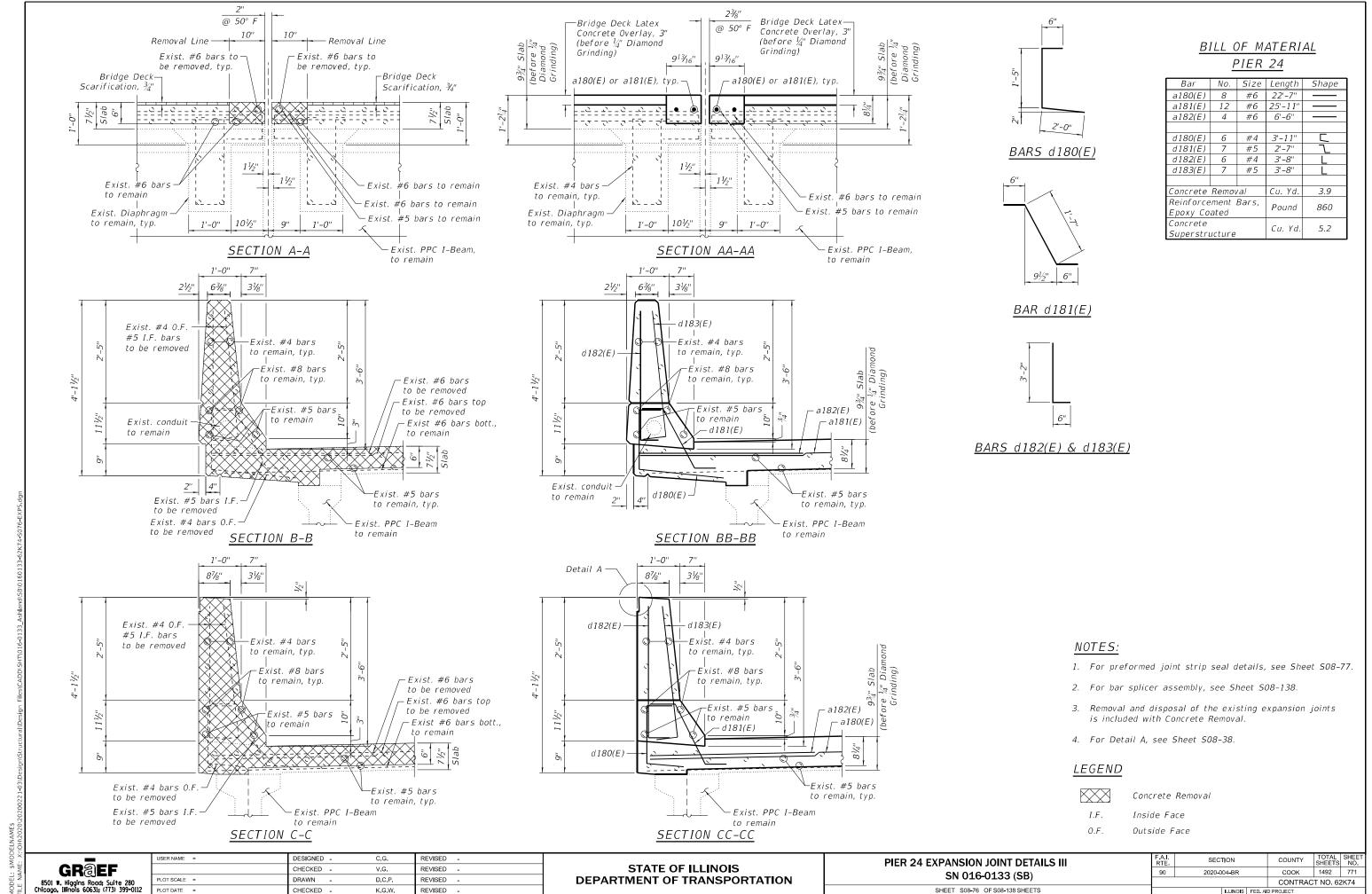
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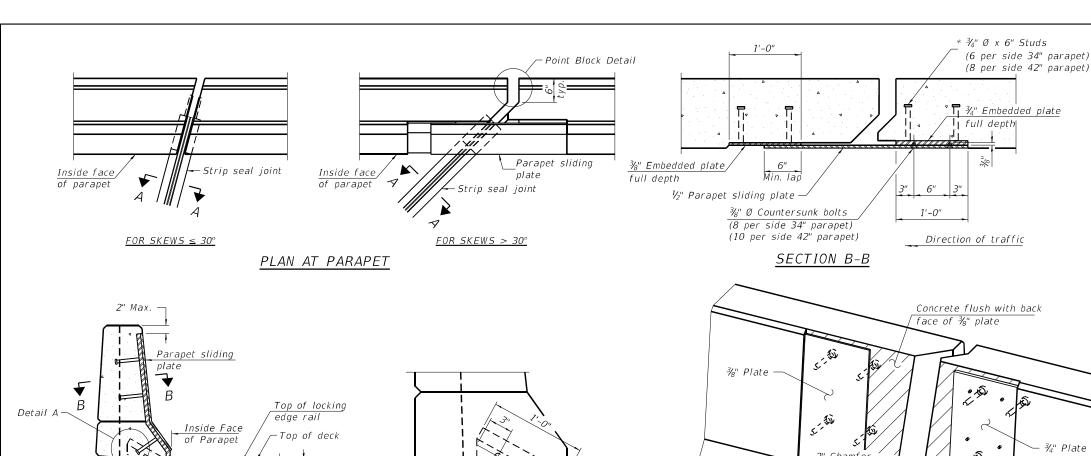
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2020-004-BR CONTRACT NO. 62K74 SHEET S08-74 OF S08-138 SHEETS



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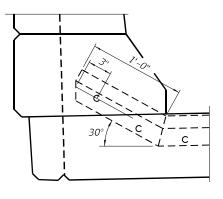




ELEVATION AT PARAPET

<u>6" cts.,</u> typ.

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)



DETAIL A

Concrete flush with back , // M 3. D Concrete flush with back face of 3/4" plate

TRIMETRIC VIEW (Showing embedded plates only)

Locking edge railat 50° F Top of concrete -Strip seal at 50° F

SHOWING ROLLED RAIL JOINT

Locking edge railat 50° F Top of concrete — Strip seal * $\frac{1}{8}$ " Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs) at 50° F

 $\frac{3}{6}$ " ϕ threaded rods in $\frac{1}{16}$ " ϕ holes at ± 4 '-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SHOWING WELDED RAIL JOINT

7/16" <u>ROLLED</u> WELDED RAIL (EXTRUDED) RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". The configuration of the strip

The locking edge rails depicted are configured for typical

applications and are conceptual only. The actual configuration

of the locking edge rails and matching strip seal may vary from

manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails,

however, will not be allowed. Locking edge rails may exceed the

 $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. The Maximum space between locking edge rail segments

shall be $\frac{3}{16}$ " and sealed with a suitable sealant; however, any

Cost of parapet sliding plates, embedded plates, and

anchorage studs included with Preformed Joint Strip Seal. 34" F-shape barrier shown, 42" F-shape similar as noted. The concrete opening below the strip seal will vary based

on the locking edge rail chosen by the Contractor. Deck and

parapet lengths shown elsewhere in the plans are dimensioned

to the concrete opening, not the joint opening, and are based

a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the

length of the bridge approach slab.

on the rolled locking edge rail. If the Contractor elects to use

rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge

The manufacturer's recommended installation methods

according to the manufacturer's recommendation.

seal shall match the configuration of the locking edge

rated movement of 4 inches.

shall be followed.

rail splice detail.

rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum

LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	1,465

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

*** Before 1/4" Diamond Grinding.

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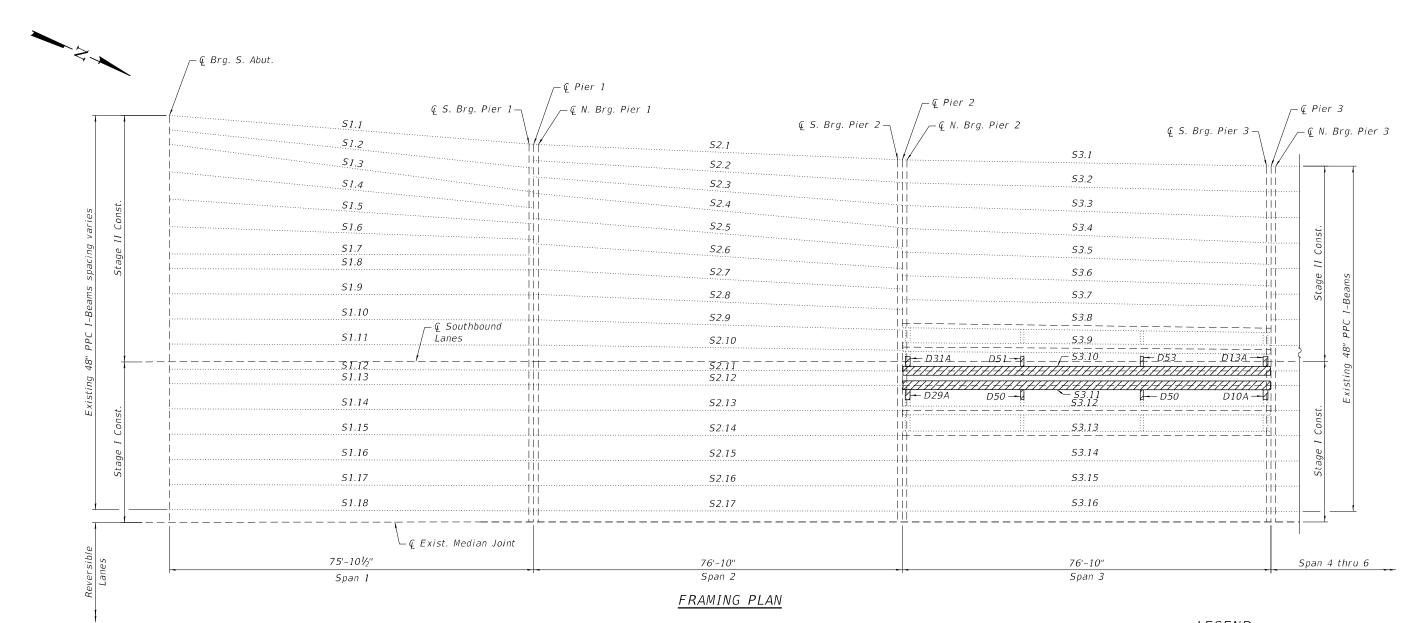
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRE	PREFORMED JOINT STRIP SEAL SN 016-0133 (SB)							
	Siv	010	-OT33 (3D)					
	SHEET	S08-77	OF S08-138 SHEETS					

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%" Ø x 6" Studs



NOTES:

- 1. Repairs shown are based on field inspection. Conditions in field may have changed. Verify all dimensions in the field prior to ordering any material or commencement of any work.
- 2. It is the Contractor's responsibility to work around existing utilities in the Fiber Wrap Repair Area.
- 3. It is the Contractor's responsibility to remove any protrusions in the concrete in the Fiber Wrap Repair Area.
- 4. Repair method for delamination and/or spall shall require Precast Prestressed Concrete I-Beam Repair prior to Fiber Wrap Repair.
- 5. Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, impregnations, waxes, foreign articles, disintegrated materials, and other bond inhibiting materials from the surface.
- 6. Existing uneven surfaces must be filled with an appropriate polymer concrete.
- 7. Cracks with greater than 0.012 inch must be stabilized using epoxy injection methods. Use Manufacturer's data sheets for information on mixing epoxy resin.
- 8. Prior to placing the fiber wrap material, the concrete surface is to be sandblasted and cleaned.
- 9. Beam corners shall be rounded to at least $\frac{3}{4}$ " radius and smoothed to a surface finish prior to application of fibers.
- 10. System is vapor barrier. Don't encapsulate concrete if any surface moisture is present.

- 11. Carbon Fabric is non-reactive. However, caution must be used when handling since a fine "Carbon Dust" may be present on the surface. Gloves and protective face masks must, therefore, be worn to protect against any respiratory problems and skin irritation. Wrap the identified girders with the specified number of wraps as indicated on sheets 508-88 thru 508-99.
- 12. For Beam Repair Details, see sheets S08-85 thru S08-87.
- 13. For General Notes and Total Bill of Material, see sheet S08-06.
- 14. The Contractor is responsible to remove and relocate existing utilities interfering with the work.
- 15. For Typical Fiber Wrap Repair Type Details, see Sheet S08-85 thru S08-87.
- 16. For Bearing Painting Notes, see Sheet S08-79.

<u>LEGEND</u>

Remove and Replace beam and diaphragm

Span Number — 5X.

Beam mark, see sheets 508-17 thru 508-32 ─Beam Number

DXX(X) Diaphragm mark, see schedule sheet S08-33

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Acrylic Coating	Sq Yd	1,283
Fiber Wrap	Sq Ft	11,458
Removal of Existing Concrete I-Beams	Each	30
Removal of Existing Bearings	Each	60
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L Sum	0.5
Cleaning and Painting Steel Bridge No. 1	L Sum	0.5
Precast Prestressed Concrete I-Beam Repair	Sq Ft	136

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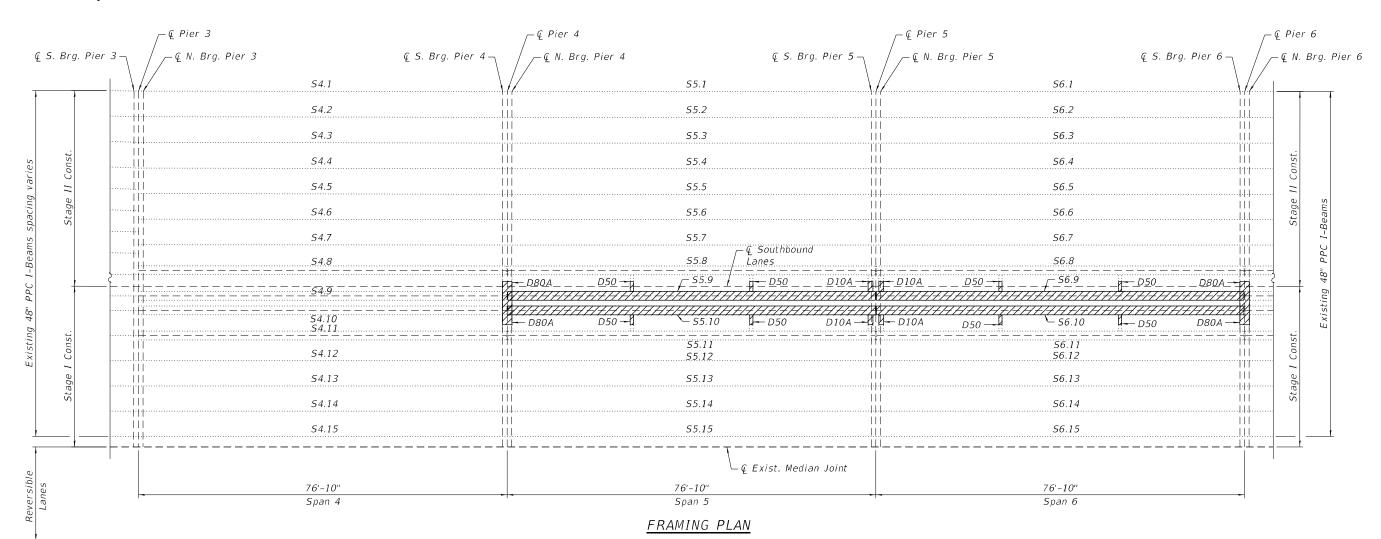
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN REPAIRS I SN 016-0133 (SB) SHEET S08-78 OF S08-138 SHEETS





NOTES:

- 1. For bearing locations and existing plans, see Sheets S08-88 thru S08-99 and Sheets S08-108 thru S08-112.
- Only the existing bearings under the PPC I-beams shall be cleaned and painted. This cleaning and painting shall be preformed before FRP repairs for the PPC I-Beams.
- 3. Cleaning and painting of the existing structural steel shall be specified in the Special Provision for "Cleaning and Painting Existing Steel Structures".
- 4. All Bearings shall be cleaned per Commercial Grade Power Tool Cleaning (SSPC-SP-15).
- 5. All ends of beams and diaphragms shall be protected during the cleaning and painting. Any damage to the adjacent surfaces (including, but not limited to, adjacent steel beams and diaphragms) shall be repaired at no additional cost to the Department.
- 6. The designated areas cleaned per Commercial Grade Power Tool Cleaning (SSPC-SP-15) shall be painted according to the requirements of Paint System 1 Organic Zinc-Rich Primer / Epoxy Intermediate Coat / Urethane Top Coat (OZ/E/U). The color of the final finish coat for all steel surfaces shall be Gray, Munsell No. 5B 7/1.
- 7. A minimum of four (4) air monitors will be required at each location to monitor abrasive blasting operations at this site. See Special Provision for "Containment and Disposal of Lead Paint Cleaning Residues".
- 8. SSPC QP1 and SSPC QP2 Certification is required for this Contract.

LEGEND

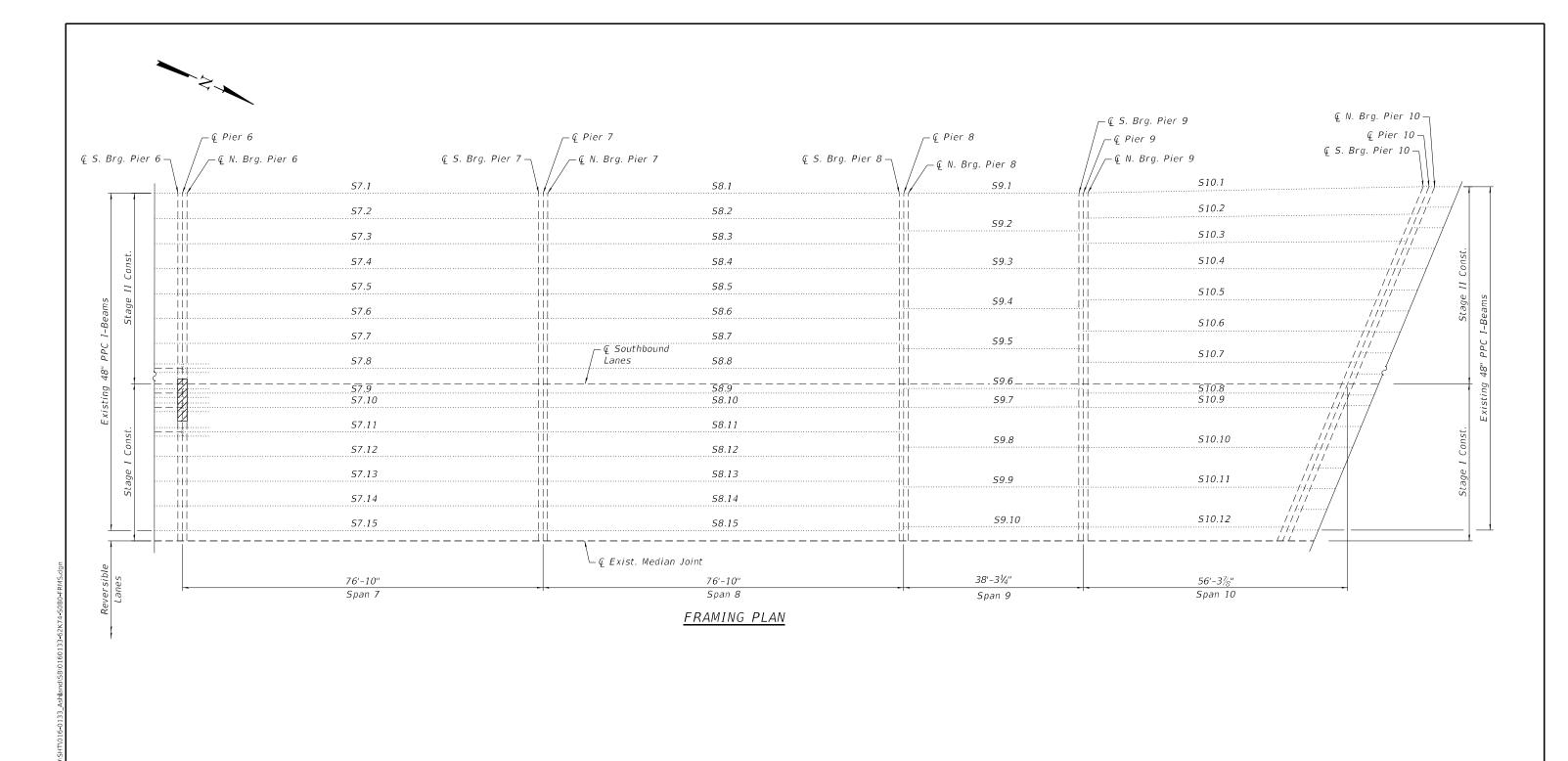
Remove and Replace beam and diaphragm

Span Number - B

Beam mark, see sheets 508-17 thru 508-32 — Beam Number

DXX(X) Diaphragm mark, see schedule sheet S08-33

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Remove and Replace beam and diaphragm

SX.X Beam mark, see sheets S08-17 thru S08-32

Span Number — Beam Number

DXX(X) Diaphragm mark, see schedule sheet 508-33

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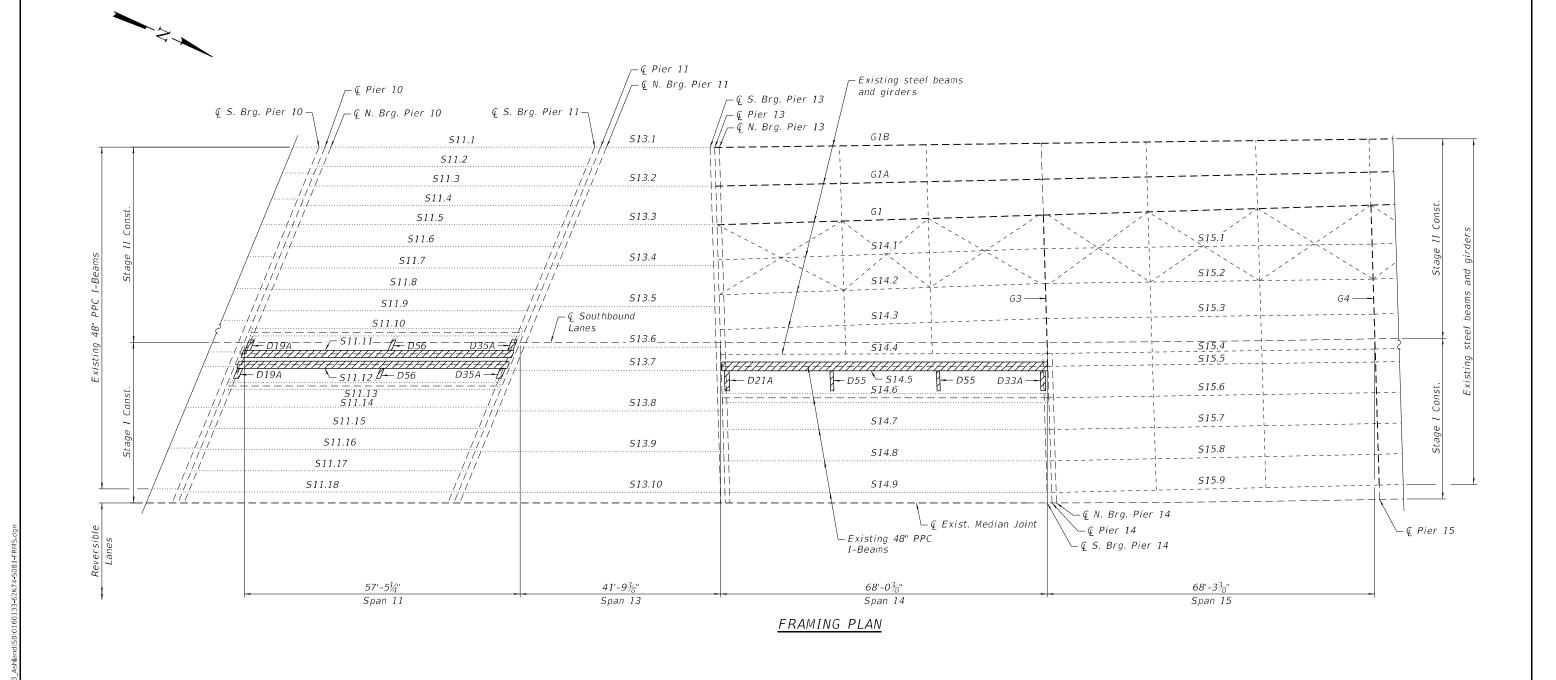
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FRAMING PLAN REPAIRS III
SN 016-0133 (SB)
SHEET S08-80 OF S08-138 SHEETS

A.I. SECTION COUNTY TOTAL SHEETS NO.

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CONTRACT NO. 62K74



LEGEND

Remove and Replace beam and diaphragm

Span Number — SX.X Be S0

Beam mark, see sheets 508-17 thru 508-32 Beam Number

DXX(X) Diaphragm mark, see schedule sheet S08-33

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Existing 48" PPC I-Beams Existing 48" PPC I-Beams _ € Pier 18 _ € Pier 16 ℚ N. Brg. Pier 17 -€ S. Brg. Pier 18 -- € N. Brg. Pier 18 § S. Brg. Pier 16 → @ Pier 17 -🖟 N. Brg. Pier 16 519.1 ♀ S. Brg. Pier 17 – G1B S18.1 S17.1 519.2 518.2 G1A 517.2 518.3 519.3 517.3 G 1 519.4 Stage II Const 518.4 517.4 519.5 516.1 519.6 518.5 S17.5 519.7 516.2 517.6 518.6

S17.7

517.10

S17.11

517.12

S17.13

Span 17

Existing steel beams

- & Southbound

Lanes

FRAMING PLAN

└- Ç Exist. Median Joint

518.7

518.10

S18.11

S18.12

518.13

∟Existing steel beams

56'-0⁵/₈''

Span 18

LEGEND

Remove and Replace beam and diaphragm

SX.X Be

Beam mark, see sheets 508-17 thru 508-32

Span Number —

519.8

519.9

____ __519.10_

∽ 519.11

519.12

519.13

519.14

S19.15

70'-4⁷/8''

Span 19

D55A --

Beam Number

DXX(X)

Diaphragm mark, see schedule sheet 508-33

⊈ Pier 19 —

-HH1" |||||

111...

⊢⊈ N. Brg. Pier 19

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516.4 516.5

516.6

S16.7

516.8

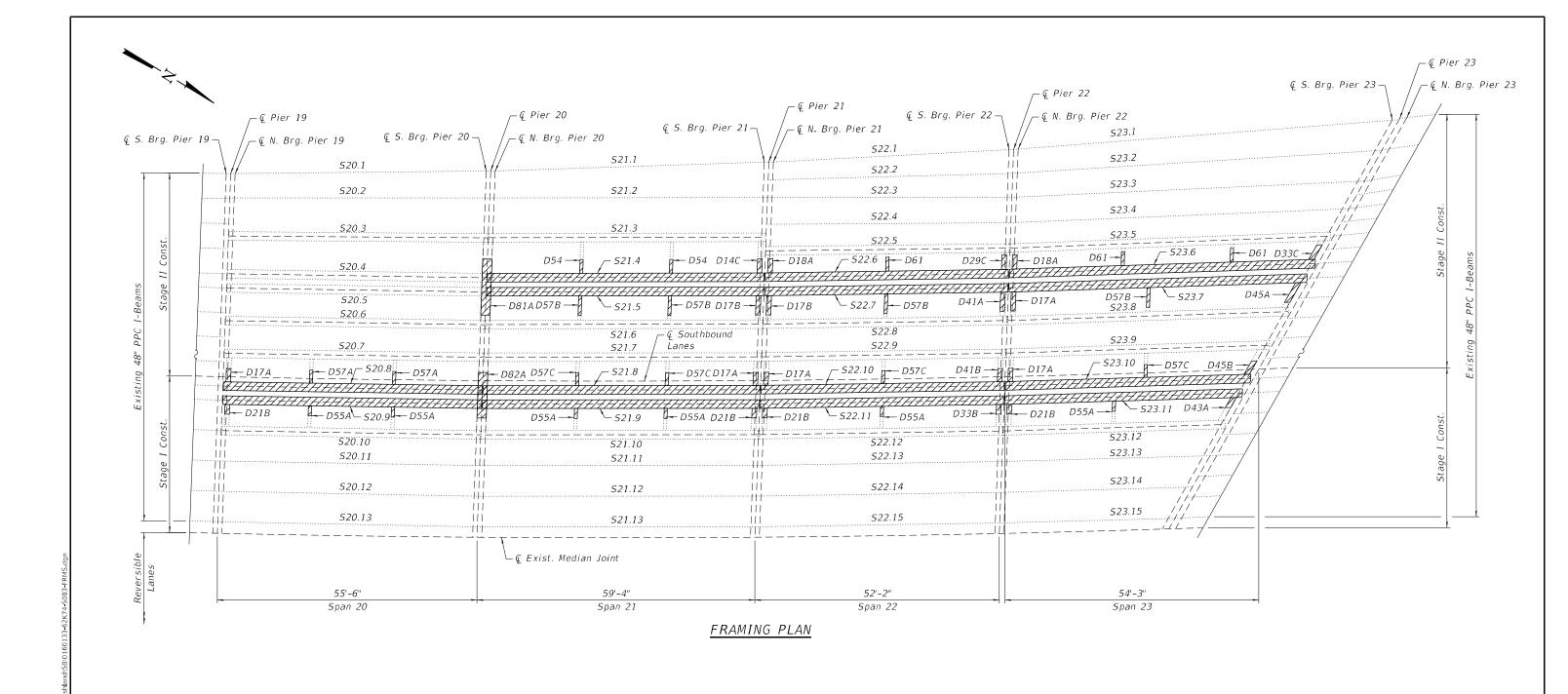
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66'-1114"

Span 16

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LEGEND

Remove and o

Remove and Replace beam and diaphragm

Span Number — Bed

Beam mark, see sheets 508-17 thru 508-32 — Beam Number

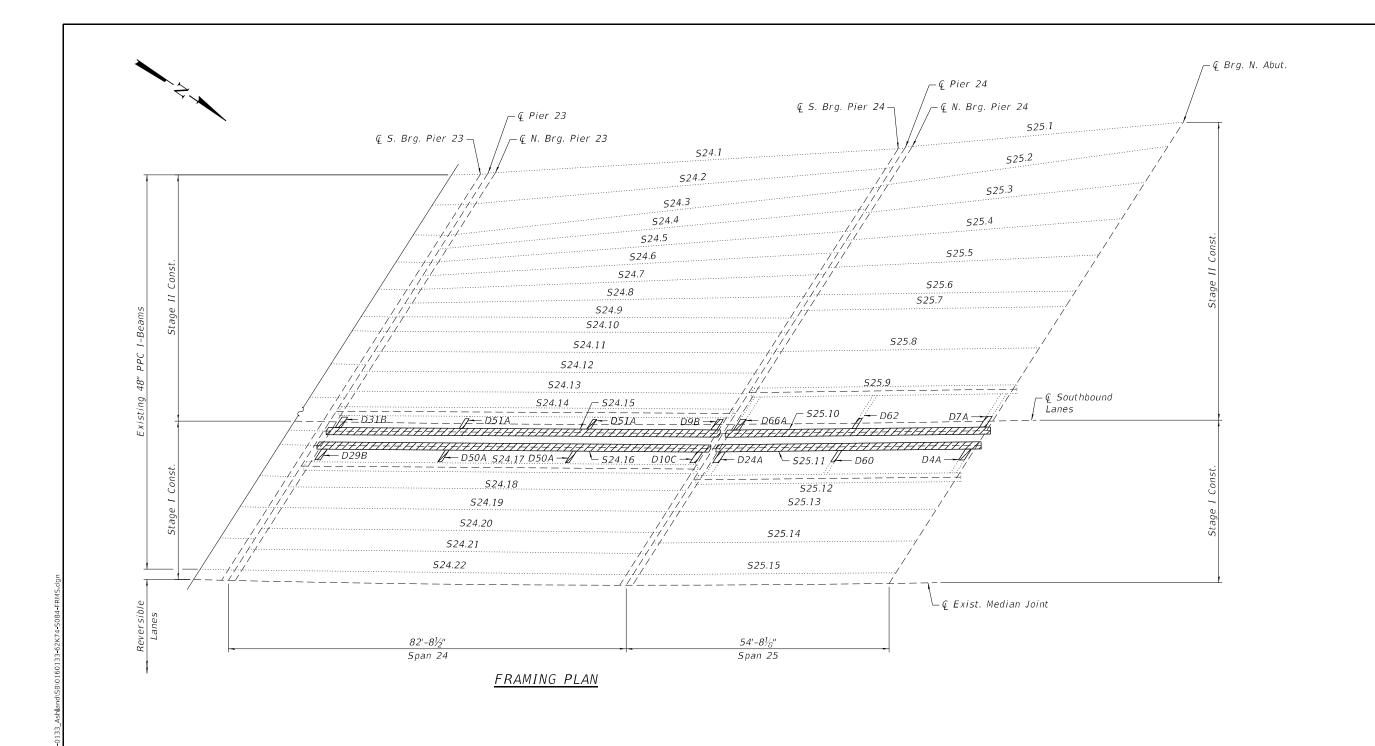
DXX(X) Diaphragm mark, see schedule sheet S08-33

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LEGEND

Remove and Replace beam and diaphragm

Span Number — SX.X

Beam mark, see sheets 508-17 thru 508-32 Beam Number

DXX(X) Diaphragm mark, see schedule sheet 508-33

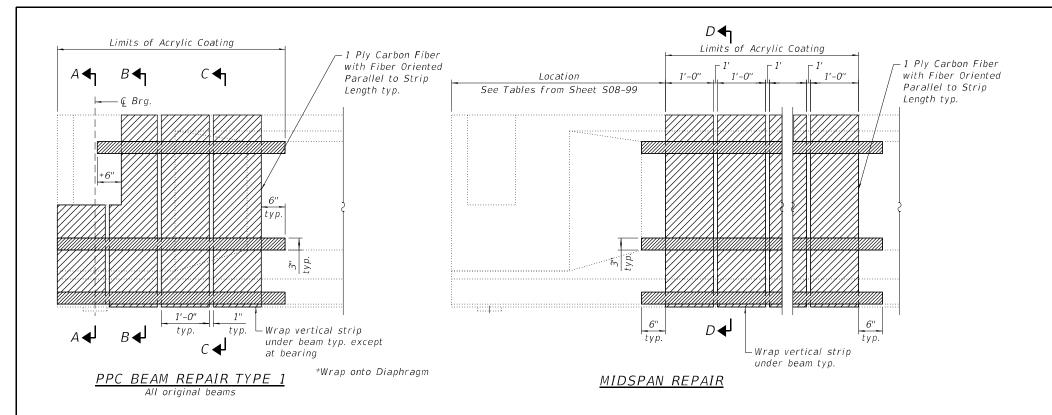
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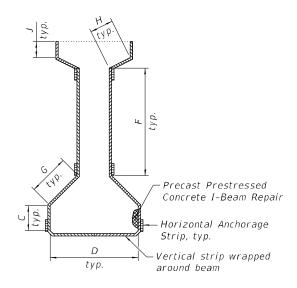
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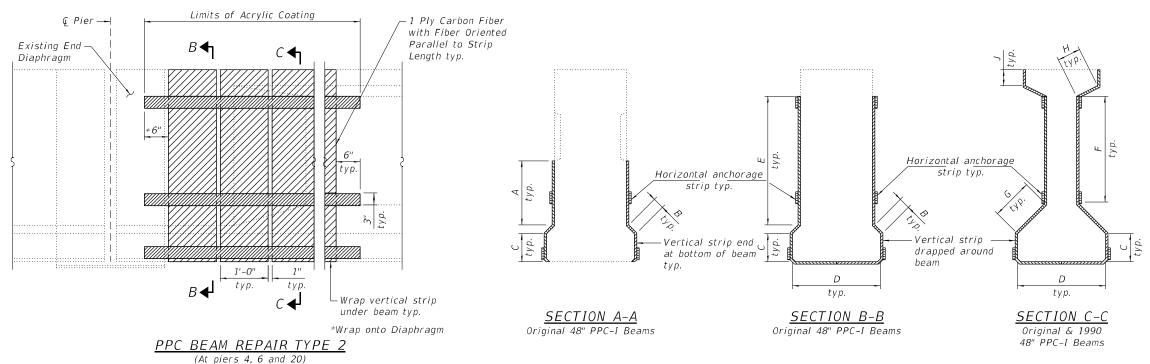
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SECTION D-D Original 48" PPC-I Beams



- The existing concrete surface shall be cleaned and prepared in accordance with the Special Provisions.
- 2. See Special Provisions for "FRP Strenghthening"
- 3. Acrylic Coat shall be placed over the fiber wrap repairs. Two coats shall be applied.
- 4. Vertical FRP panels may be trimmed to fit around diaphragms. The minimum width of the trimmed legs must be 3". The FRP panel may terminate as the base of the diaphragm if the minimum width cannot be met. The horizontal anchorage strips must wrap 6" onto the diaphragm face if the strip is broken due to the diaphragm location.
- 5. See Sheet S08-86 for Typical Beam dimensions
- 6. See Sheets S08-88 thru S08-99 for FRP repair dimensions.

JSER NAME = DESIGNED -REVISED -C.G. PPC I-BEAM REPAIR DETAILS I SECTION COUNTY **GR**@EF **STATE OF ILLINOIS** CHECKED . V.G. REVISED -90 2020-004-BR COOK 1492 780 SN 016-0133 (SB) DRAWN D.C.P. REVISED -**DEPARTMENT OF TRANSPORTATION** 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112 CONTRACT NO. 62K74 SHEET S08-85 OF S08-138 SHEETS CHECKED -K.G.W. REVISED

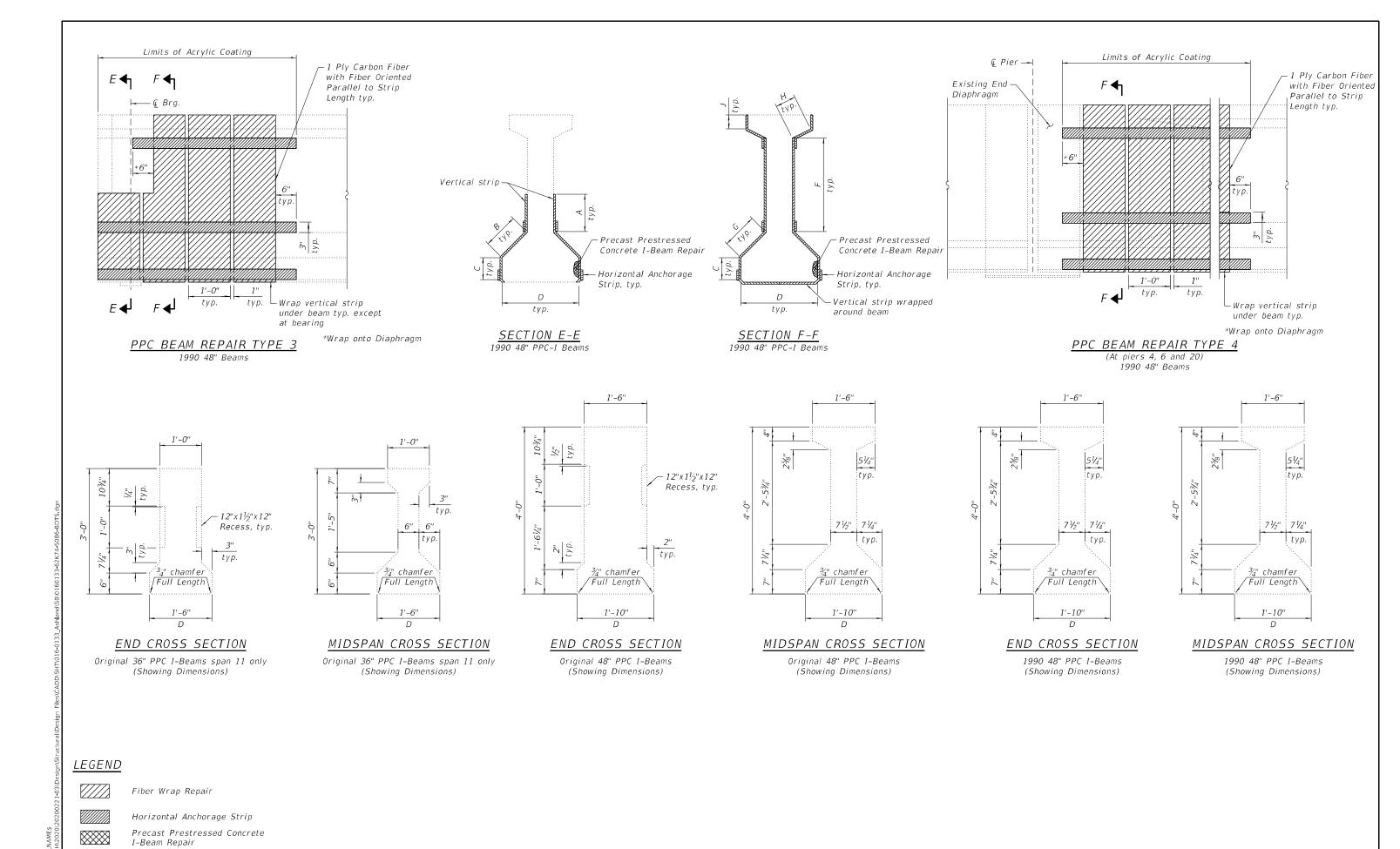
LEGEND

Fiber Wrap Repair

I-Beam Repair

Horizontal Anchorage Strip

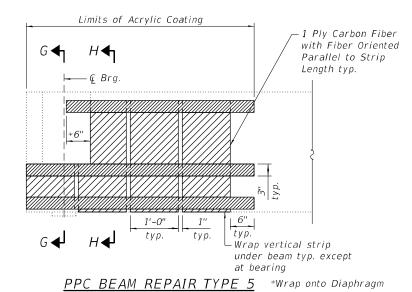
Precast Prestressed Concrete



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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PPC I-BEAM REPAIR DETAILS II SECTION COUNTY COOK 1492 781 2020-004-BR SN 016-0133 (SB) CONTRACT NO. 62K74 SHEET S08-86 OF S08-138 SHEETS



1990 30" beams

Horizontal anchorage
strip typ.

Vertical strip
wrapped around
beam

C
typ.

SECTION G-G

SECTION H-H

1990 30" beams

1990 30" beams

1'-6"

EXISTING CROSS SECTION

1990 30" PPC I-Beams (Showing Dimensions) Span 11 only

DEI: \$MODELNAMIES
E NAME: X:OHYZOZO;20200221-03)

GROEF

8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -
	PLOT SCALE =	CHECKED - PLOT SCALE = DRAWN -	CHECKED - V.G. PLOT SCALE = DRAWN - D.C.P.

PPC I-BEAM REPAIR DETAILS III		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 016-0133 (SB)	90	2020-004-BR	соок	1492	782
314 010-0133 (3b)			CONTRAC	CT NO. 6	2K74
SHEET S08-87 OF S08-138 SHEETS		ILLINOIS EED A	D DDO IECT		-

				FIBER WRAP DIMENSIONS						1000/110							
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Е	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S1.1	S. End	Туре З	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	9½"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips x 1'-0" with gaps at 1" = 2'-1"	9½"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
<i>S1.2</i>	S. End	Туре З	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	9½"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	9½"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
<i>S1.3</i>	S. End	Type 1	4 Strips x 1'-0" with gaps at 1" = 4'-3"	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans
51.4	S. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
S1.5	S. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
51.6	S. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	1.3	Original 4'	See 1977 Plans
<i>S1.7</i>	S. End	Type 1	4 Strips x 1'-0" with gaps at 1" = 4'-3"	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.5	Original 4'	B2
	N. End	Type 1	8 Strips x 1'-0" with gaps at 1" = 8'-7"	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	96.5	10.7	2.5	Original 4'	See 1977 Plans
S1.8	S. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
51.9	S. End	Type 1	4 Strips x 1'-0" with gaps at $1'' = 4'-3''$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.1	Original 4'	B2
	N. End	Type 1	4 Strips x 1'-0" with gaps at $1'' = 4'-3''$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.3	Original 4'	See 1977 Plans
51.10	S. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	16½"	21/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	4 Strips x 1'-0" with gaps at 1" = 4'-3"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	42.9	4.8	0	Original 4'	See 1977 Plans
S1.11	S. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1"$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	4 Strips x 1'-0" with gaps at $1'' = 4'-3''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	42.9	4.8	0	Original 4'	See 1977 Plans
51.12	S. End	Type 1	6 Strips x 1'-0" with gaps at 1" = 6'-6"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	69.7	7.7	2	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
<i>S</i> 1.13	S. End	Type 1	6 Strips x 1'-0" with gaps at $1'' = 6'-6''$	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	69.7	7.7	2	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
51.14	S. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S1.15	S. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
51.16	S. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S1.17	S. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
S1.18	S. End	Type 1	4 Strips x 1'-0" with gaps at 1" = 4'-3"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips x 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans

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USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PPC I-BEAM REPAIR TABLES I
SN 016-0133 (SB)
CHEET COO DO OF COO 130 CHEETC

							CIDED	W D 4 D D II									
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	MENSIONS F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
52.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
	N. End	Туре 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
52.2	S. End	Туре 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
	N. End	Туре 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
52.3	S. End	Туре 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
52.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
52.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.25	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
52.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
52.7	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
52.8	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	4 Strips - $1'-0''$ with gaps at $1'' = 4'-3''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	2.5	Original 4'	B2
52.9	S. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	1	Original 4'	B2
52.10	S. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.6	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	B2
52.11	S. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.7	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.6	Original 4'	B2
52.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
	N. End	Type 1	4 Strips - $1'-0''$ with gaps at $1'' = 4'-3''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	2.5	Original 4'	B2
52.13	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
S2.14	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.4	Original 4'	See 1977 Plans
	N. End	Type 1	4 Strips - $1'-0''$ with gaps at $1'' = 4'-3''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	42.9	4.8	0	Original 4'	B2
S2.15	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
52.16	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
52.17	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-3½"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	2	Original 4'	B2

							FIBER	WRAP DII	MENSIONS					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Е	F	G	Н	J	FIBER WRAP (SQ FT)	COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
53.1	S. End	Type 3	2 Strips-1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips-1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0.1	1990 4'	10-b
<i>S3.2</i>	S. End	Type 3	2 Strips-1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips-1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-b
<i>S3.3</i>	S. End	Type 3	2 Strips-1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips-1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-b
53.4	S. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.1	Original 4'	B2
	N. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	2.3	Original 4'	See 1977 Plans
S3.5	S. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	1.8	Original 4'	B2
	N. End	Type 1	8 Strips-1'-0" with gaps at 1" = 8'-7"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	96.5	10.7	3.5	Original 4'	See 1977 Plans
<i>S3.6</i>	S. End	Type 1	2 Strips-1'-0" with gaps at $1'' = 2'-1''$	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	4 Strips-1'-0" with gaps at $1'' = 4'-3''$	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	1.4	Original 4'	See 1977 Plans
<i>S3.7</i>	S. End	Type 1	2 Strips-1'-0" with gaps at $1'' = 2'-1''$	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
<i>S3.8</i>	S. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.8	Original 4'	B2
	N. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans
53.9	S. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
53.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S3.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
53.12	S. End	Type 1	2 Strips-1'-0" with gaps at $1'' = 2'-1''$	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	0.6	Original 4'	See 1977 Plans
53.13	S. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	B2
	N. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
53.14	S. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	B2
	N. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
53.15	S. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips-1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
53.16	S. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	3	Original 4'	B2
	N. End	Type 1	4 Strips-1'-0" with gaps at 1" = 4'-3"	161/4"	21/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	42.9	4.8	1.3	Original 4'	See 1977 Plans

GROEF

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USER NAME = DESIGNED -C.G. REVISED -V.G. CHECKED -REVISED -DRAWN -D.C.P. REVISED -CHECKED -K.G.W. REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PPC I-BEAM REPAIR TABLES II SN 016-0133 (SB) SHEET S08-89 OF S08-138 SHEETS

COUNTY TOTAL SHEET NO.

COOK 1492 784 SECTION COUNTY 2020-004-BR CONTRACT NO. 62K74

							FIBER	WRAP DII	<i>MENSIONS</i>								
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Ε	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
54.1	S. End	Type 3	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
54.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
54.3	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	91/8"	101/4"	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
S4.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	1	Original 4	B-2
S4.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
54.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
54.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
54.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
54.9	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	1	Original 4'	B-2
54.10	S. End	Type 1	6 Strips - 1'-0" with gaps at 1" = 6'-6"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	69.7	7.7	1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	1.1	Original 4'	B-2
54.11	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
54.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16¼"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
54.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	161/4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
54.14	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	161⁄4"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
S4.15	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16½"	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	27/8"	7"	1'-10"	2'-41/4"	2'-31/8"	101/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2

							FIRER	WRAP DI	MENSIONS								
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
55.1	S. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
<i>S5.2</i>	S. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	5 7/8"	4"	23.0	2.6	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
<i>S5.3</i>	S. End	Type 4	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
	N. End	Type 3	8 Strips - 8'-0" with gaps at 1" = 8'-7"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	98.0	10.9	0	1990 4'	10-a
S5.4	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	N/A	2'-3 1/8"		N/A	N/A	23.0	2.6	1	Original 4'	B-2
	N. End	Type 1	6 Strips - 1'-0" with gaps at 1" = 6'-6"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	1" 2'-3 1/8"	10 1/4"	N/A	N/A	69.7	7.7	0.1	Original 4	See 1977 Plans
<i>S5.5</i>	S. End	Type 2	2 Strips – $1'$ – $0''$ with gaps at $1'' = 2'$ – $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	1" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.5	Original 4	B-2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.8	Original 4	See 1977 Plans
<i>S5.6</i>	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4	B-2
	N. End	Type 1	4 Strips - 1'-0" with gaps at $1'' = 4'-3''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.5	Original 4	See 1977 Plans
<i>S5.7</i>	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4	B-2
	N. End	Type 1	4 Strips - 1'-0" with gaps at $1'' = 4'-3''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	1" 2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.2	Original 4	See 1977 Plans
<i>S5.8</i>	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	1" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.3	Original 4	B-2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"		l" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1	Original 4	See 1977 Plans
<i>S5.9</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S5.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S5.11	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
S5.12	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.5	Original 4'	B-2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.2	Original 4'	See 1977 Plans
S5.13	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"		l" 2'-3 1/8"		N/A	N/A	23.0	2.6	0.3	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S5.14	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"		l" 2'-3 1/8"		N/A	N/A	23.0	2.6	0.2	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S5.15	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.2	Original 4'	B-2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	l" 2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0	Original 4	See 1977 Plans

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USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

PPC I-BEAM REPAIR TABLES III	F.A.I. RTE.	SECTION	ON		COUNTY	TOTAL SHEETS	SHEE NO.
SN 016-0133 (SB)	90	2020-004	4 - BR		соок	1492	785
314 010-0133 (3b)					CONTRAC	T NO. 62	2K74
SHEET S08-90 OF S08-138 SHEETS		l I	LLINOIS	FED. All	D PROJECT		

							FIRER	WRAP DI	MENSIONS								
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
56.1	S. End	Type 3	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	1990 4'	Fixed 1990
56.2	S. End	Type 3	2 Strips - 1'-0" with gaps at $1'' = 2'-1$ "	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
S6.3	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
S6.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
S6.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	1	Original 4'	B2
S6.6	S. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" <i>2'-3 1/8</i> "	10 1/4"	N/A	N/A	42.9	4.8	1	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" <i>2'-3 1/8</i> "	10 1/4"	N/A	N/A	23.0	2.6	1	Original 4'	B2
S6.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" <i>2'-3 1/8</i> "	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
<i>S6.8</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
56.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
56.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
56.11	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
56.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
56.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
56.14	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" <i>2'-3 1/8</i> "	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
56.15	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1$ "	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	!" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.3	Original 4'	B2
	=	1, 100 2	2 St. 193 I O With gaps at I = 2 I	1 18//1	- //0		1 10	1- 1 1/7	12 3 1/0	10 1/ /	14//1	1.771	25.0	2.0	0.5	original +	

							FIRED	WPAP DI	MENSIONS								
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E E	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
57.1	S. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"		N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0.1	1990 4'	10-a
57.2	S. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"		N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
57.3	S. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
57.4	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.8	Original 4'	See 1977 Plans
57.5	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
57.6	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
<i>S7.7</i>	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
	N. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
57.8	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans
57.9	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
	N. End	Type 1	20 Strips - 1'-0" with gaps at 1" = 21'-7"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	257.3	28.6	0.1	Original 4'	See 1977 Plans
57.10	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
	N. End	Type 1	8 Strips - 8'-0" with gaps at 1" = 8'-7"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	96.5	10.7	1.2	Original 4'	See 1977 Plans
S7.11	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
57.12	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.1	Original 4'	See 1977 Plans
57.13	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
57.14	S. End	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1$ "	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
<i>S7.15</i>	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1$ "	N/A	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B-2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1$ "	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4	" 2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.7	Original 4'	See 1977 Plans

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USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

							FIBER	WRAP DII	<i>MENSIONS</i>					ACDVIIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Е	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
58.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
58.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Туре З	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
58.3	S. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
58.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	B2
<i>S8.5</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
58.6	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.8	Original 4'	B2
<i>S8.7</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	B2
<i>S8.8</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	B2
<i>S8.9</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.9	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	B2
<i>S8.</i> 10	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	42.9	4.8	2	Original 4'	B2
S8.11	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	B2
58.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
58.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.3	Original 4'	B2
58.14	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"	,	N/A	N/A	16.0	1.8	1	Original 4'	B2
S8.15	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"	,	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	B2

						F	IBER WR	AP DIMEN	SIONS					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
59.1	S. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
59.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
59.3	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4	See 1977 Plans
59.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
S9.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.8	Original 4	See 1977 Plans
S9.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.8	Original 4	See 1977 Plans
<i>S9.7</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4	See 1977 Plans
S9.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
59.9	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
59.10	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1	Original 4'	See 1977 Plans

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USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

PPC I-BEAM REPAIR TABLES V	F.A.I. RTE	SEC.	ПОИ		CC
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							FIBER	WRAP DII	MENSIONS					ACDVIIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Е	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S10.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
510.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
S10.3	S. End	Type 3	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
S10.4	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
S10.5	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
510.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	2	Original 4'	See 1977 Plans
510.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S10.8	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.6	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
510.9	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
510.10	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
510.11	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
510.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	4 Strips - 1'-0" with gaps at $1'' = 4'-3''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.3	Original 4	See 1977 Plans

							FIBER	WRAP DII	MENSIONS								T
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S11.1	S. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	10-aa
	N. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	Fixed 1990
511.2	S. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	10-aa
	N. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	Fixed 1990
511.3	S. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	10-aa
	N. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	Fixed 1990
511.4	S. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	10-aa
	N. End	Type 5	2 Strips - 1'-0" with gaps at 1" = 2'-1"	1'-6"	2'-0"	1'-6"	N/A	N/A	N/A	N/A	N/A	N/A	13.3	1.5	0	1990 2'-6"	Fixed 1990
S11.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	2	Original 3'	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	See 1977 Plans
511.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.5	Original 3'	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.5	Original 3'	See 1977 Plans
511.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.5	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	1	Original 3	See 1977 Plans
511.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.1	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3	See 1977 Plans
511.9	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.2	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.1	Original 3	See 1977 Plans
511.10	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.1	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	See 1977 Plans
S11.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S11.12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S11.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3	See 1977 Plans
S11.14	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.2	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.2	Original 3'	See 1977 Plans
S11.15	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	See 1977 Plans
S11.16	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	В6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	See 1977 Plans
S11.17	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0.1	Original 3	B6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3	See 1977 Plans
S11.18	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	2	Original 3'	В6
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	3"	4 1/4"	6"	1'-6"	2'-3"	N/A	N/A	N/A	N/A	14.9	1.7	0	Original 3'	See 1977 Plans

GROEF 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631; (773) 399-0112

USER NAME = DESIGNED -C.G. REVISED -V.G. CHECKED -REVISED -DRAWN -D.C.P. REVISED -CHECKED -K.G.W. REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PPC I-BEAM REPAIR TABLES VI SECTION COUNTY 2020-004-BR SN 016-0133 (SB) SHEET S08-93 OF S08-138 SHEETS

							FIBER	WRAP DII	MENSIONS					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
513.1	S. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	7-a
513.2	S. End	Туре З	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	7-a
513.3	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S13.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1.1	Original 4'	See 1977 Plans
S13.5	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
<i>513.6</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	B4
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S13.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B4
	N. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S13.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
513.9	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
S13.10	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4	See 1977 Plans

							FIBER	WRAP DII	<i>1ENSIONS</i>					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	A	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)		TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
514.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
514.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
514.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
514.9	S. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2

SPAN 17

							FIBER	WRAP DIM	<i>MENSIONS</i>					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Е	F	G	Н	J	FIBER WRAP (SQ FT)		TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S17.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
S17.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
S17.3	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	B2

							FIBER	WRAP DII	MENSIONS					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)		TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
518.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
518.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-a
518.3	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.6	Original 4'	See 1977 Plans
518.4	S. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S18.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
518.6	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
518.7	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	5 7/8"	4"	19.3	2.1	Ō	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans

PPC I-BEAM REPAIR TABLES VII	F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
SN 016-0133 (SB)	90	2020-004-BR		соок	1492	789
3N 010-0133 (3D)				CONTRAC	T NO. 62	2K74
SHEET S08-94 OF S08-138 SHEETS		ILLINOIS	FED. All	PROJECT		

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SPAN	170
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FIBER WRAP DIMENSIONS																	
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D D	E E	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
519.1	South	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0.1	1990 4'	Fixed 1990
	North	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0.1	1990 4'	10-b
519.2	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
S19.3	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
S19.4	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.4	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.6	Original 4'	See 1977 Plans
S19.5	South	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	1.5	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S19.6	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.4	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S19.7	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"		2'-4 1/4"			N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S19.8	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"		2'-4 1/4"			N/A	N/A	16.0	1.8	0	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"			N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
519.9	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.6	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
S19.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S19.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S19.12	South	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1"$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S19.13	South	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	1.5	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"		2'-4 1/4"			N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S19.14	South	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1"$	16 1/4"	2 7/8"	7"		2'-4 1/4"			N/A	N/A	16.0	1.8	0	Original 4'	B2
	North	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"		7"		2'-4 1/4"			N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
S19.15	South	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	,	7"		2'-4 1/4"			N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	North	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans

	FIBER WRAP DIMENSIONS																
						F	IBER WRA	AP DIMEN	\$10NS					ACRYLIC			
BEAM	END	REPAIR	LENGTH			_		_	_				FIBER WRAP	COATING	TOTAL PPC I-BEAM	BEAM	BEARING TYPE
		TYPE		A	В	C	D	E	F	G	Н	J	(SQ FT)	(SQ FT)	REPAIR (SQ FT)	SECTION	
520.1	South	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"		5 7/8"	4"	20.8	2.3	0.1	1990 4'	10-b
	North	Type 4	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	1990 4'	Fixed 1990
520.2	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"		2'-3 1/8"		N/A	N/A	23.0	2.6	0	Original 4'	B2
520.3	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.6	Original 4'	B2
520.4	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.5	Original 4'	B2
S20.5	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.2	Original 4'	B2
520.6	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
520.7	South	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
520.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
520.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
520.10	South	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
520.11	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	N/A	N/A	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0	Original 4'	B2
520.12	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	N/A	N/A	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4	B2
520.13	South	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4'	N/A	N/A	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	North	Type 2	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	2 7/8"	7"	1'-10"	2'-4 1/4'	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2

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USER NAME = DESIGNED -C.G. REVISED -V.G. CHECKED -REVISED -DRAWN -D.C.P. REVISED -CHECKED -K.G.W. REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PPC I-BEAM REPAIR TABLES VIII SECTION SN 016-0133 (SB) 2020-004-BR

							FIBER	WRAP DII	<i>MENSIONS</i>					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S21.1	S. End	Type 4	2 Strips - 1'-0" with gaps at 1" = 2'-1"	N/A	N/A	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.2	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
521.2	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
521.3	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
521.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>521.5</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
521.6	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.5	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
S21.7	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	1	Original 4'	B2
	N. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
S21.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
521.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
521.10	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.2	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S21.11	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
521.12	S. End	Type 2	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.2	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
521.13	S. End	Type 2	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	N/A	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	23.0	2.6	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans

<u>SPAN 22</u>

							FIRER	WRAP DII	AENSIONS								
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S22.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0.2	1990 4'	10-с
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
522.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
	N. End	Туре З	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
522.3	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	3	Original 4'	B2
522.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4	B2
S22.5	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.4	Original 4	B2
522.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>S22.7</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
522.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
522.9	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
522.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
522.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
522.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
522.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.3	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
522.14	S. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.3	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2
522.15	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PPC I-BEAM REPAIR TABLES IX SECTION 2020-004-BR SN 016-0133 (SB) SHEET S08-96 OF S08-138 SHEETS

				FIBER WRAP DIMENSIONS										ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
523.1	S. End	Type 3	2 Strips - 1'-0" with gaps at $1'' = 2'-1$ "	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
523.2	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-с
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
<i>523.3</i>	S. End	Type 1	4 Strips - 1'-0" with gaps at $1'' = 4-3''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.3	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1.5	Original 4'	B2
523.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B2
<i>S23.5</i>	S. End	Type 1	2 Strips - $1'-0''$ with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
523.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>S23.7</i>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<i>S23.8</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2
523.9	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
523.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
523.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
523.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4	B2
523.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.4	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B4
523.14	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.5	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B4
<i>S23.15</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B4

MODEL: \$MOE FILE NAME: X:	8501 W. Chicago,	GR@EF Higgins Road; Suite 280 Illinois 60631; (773) 399-0112
	12/5/2022	8:33:47 PM

USER NAME =	DESIGNED -	C.G.	REVISED -
	CHECKED -	V.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

PPC I-BEAM REPAIR TABLES X	F.A.I. RTE	
SN 016-0133 (SB)	90	2
SIT 010 0133 (SB)		
SHEET S08-97 OF S08-138 SHEETS		

							FIBER	WRAP DII	MENSIONS					1687/116			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	Е	F	G	Н	J	FIBER WRAP (SQ FT)	ACRYLIC COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
524.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	5 7/8"	4"	20.8	2.3	0.2	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	1	1990 4'	10-b
524.2	S. End	Type 3	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	5 7/8"	4"	20.8	2.3	0	1990 4'	Fixed 1990
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-b
524.3	S. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.1	Original 4'	B2
	N. End	Type 1	6 Strips - $1'$ - $0''$ with gaps at $1'' = 6'$ - $6''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	69.7	7.7	4	Original 4'	See 1977 Plans
524.4	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.5	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.6	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
<i>S24.7</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	42.9	4.8	0.1	Original 4'	See 1977 Plans
524.8	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
524.9	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.10	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.11	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"		7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.12	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	4 Strips - 1'-0" with gaps at 1" = 4'-3"	16 1/4"		7"			2'-3 1/8"	10 1/4"	N/A	N/A	42.9	4.8	0.2	Original 4'	See 1977 Plans
524.13	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.14	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans
524.15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
524.16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
524.17	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"			2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.18	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.19	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	_ , , .	7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	
524.20	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	, .	7"	 	· · · · · ·	2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
S24.21	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"		7"	 	· · · · · ·	2'-3 1/8"		N/A	N/A	16.0	1.8	0.1	Original 4'	B2
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
524.22	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"		7"			2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4	B2
1	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4	See 1977 Plans

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Chicogo, Illinois 60631; (773) 399-0112

USER NAME =	DESIGNED -	C.G.	REVISED -	
	CHECKED -	V.G.	REVISED -	
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -	
PLOT DATE =	CHECKED -	K.G.W.	REVISED -	

PPC I-BEAM REPAIR TABLES XI	F.A.I. RTE	SECTION	
SN 016-0133 (SB)	90	2020-004-BR	
314 0±0-0±33 (3D)			
SHEET S08-98 OF S08-138 SHEETS		ILLINOIS FED. AI	5

							FIBER	WRAP DII	MENSIONS					ACRYLIC			
BEAM	END	REPAIR TYPE	LENGTH	А	В	С	D	E	F	G	Н	J	FIBER WRAP (SQ FT)	COATING (SQ FT)	TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION	BEARING TYPE
S25.1	S. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	10-b
	N. End	Type 3	2 Strips - 1'-0" with gaps at 1" = 2'-1"	9 1/8"	10 1/4"	7"	1'-10"	N/A	2'-3 1/8"	10 1/4"	N/A	N/A	17.5	1.9	0	1990 4'	Fixed 1990
S25.2	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.2	Original 4'	B2
S25.3	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
<i>S25.4</i>	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
S25.5	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1.5	Original 4'	B2
<i>S25.6</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
S25.7	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
S25.8	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
<i>S25.9</i>	S. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at $1'' = 2'-1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
S25.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S25.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
S25.12	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
S25.13	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0.1	Original 4'	B2
525.14	S. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - $1'$ - $0''$ with gaps at $1'' = 2'$ - $1''$	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	0	Original 4'	B2
S25.15	S. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"		2'-3 1/8"		N/A	N/A	16.0	1.8	0	Original 4'	See 1977 Plans
	N. End	Type 1	2 Strips - 1'-0" with gaps at 1" = 2'-1"	16 1/4"	2 7/8"	7"	1'-10"	2'-4 1/4"	2'-3 1/8"	10 1/4"	N/A	N/A	16.0	1.8	1	Original 4	B2

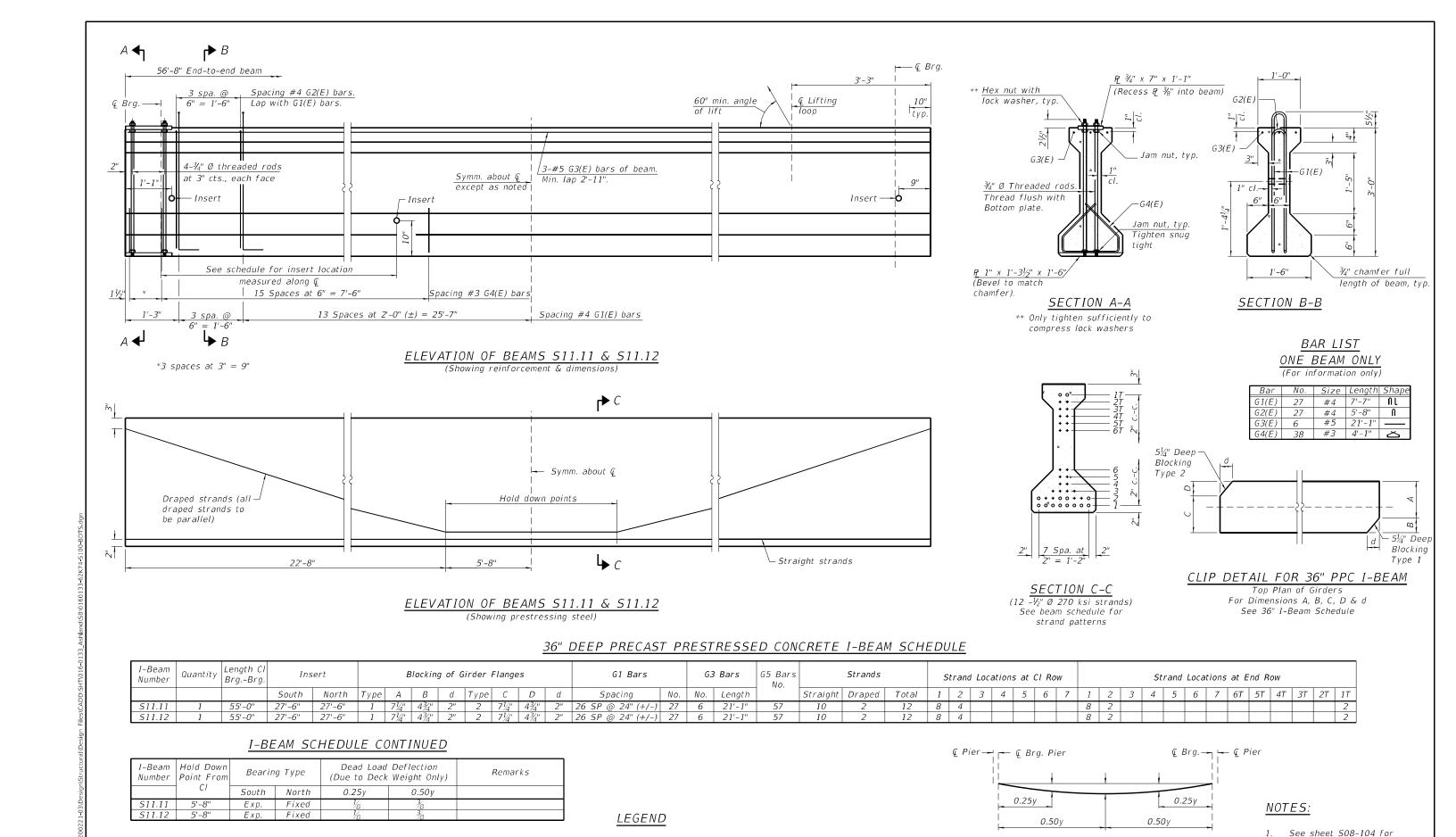
MIDSPAN REPAIR TABLE

						FIBER	WRAP DI	MENSIONS	5		ACRYLIC		
SPAN	BEAM	LOCATION	LENGTH	С	D	F	G	Н	J	FIBER WRAP (SQ FT)		TOTAL PPC I-BEAM REPAIR (SQ FT)	BEAM SECTION
Span 2	52.17	32'-0" from South End	3 Strips \times 1'-0" with gaps at 1" = 3-2"	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	33.5	3.7	0.2	Original 4'
Span 5	<i>S5.12</i>	56'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2'-1$ "	7"	1'-10"	2'-31/4"	101/4"	73/4"	4"	26.8	3.0	0.2	Original 4'
Span 5	S5.15	51'-0" from South End	5 Strips x 1'-0" with gaps at 1" = 5'-4"	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	54.9	6.1	0.2	Original 4'
Span 6	56.2	65'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2'-1$ "	7"	1'-10"	2'-31/4"	101/4"	73/4"	4"	26.2	2.9	0.2	Original 4'
Span 8	58.10	56'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2'-1$ "	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'
Span 8	58.10	62'-0" from South End	2 Strips x 1'-0" with gaps at 1" = 2'-1"	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'
Span 8	58.15	26'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2'-1$ "	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'
Span 8	58.15	56'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2'-1$ "	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'
Span 9	59.7	9'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2$ '-1"	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'
Span 14	514.9	33'-0" from South End	2 Strips x 1'-0" with gaps at $1'' = 2'-1$ "	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'
Span 24	S24.5	20'-0" from South End	2 Strips x 1'-0" with gaps at 1" = 2'-1"	7"	1'-10"	2'-31/4"	101/4"	N/A	N/A	22.9	2.5	0.2	Original 4'

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USER NAME =	DESIGNED -	C.G.	REVISED -	
	CHECKED -	V.G.	REVISED -	
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -	
PLOT DATE =	CHECKED -	K.G.W.	REVISED -	

PPC I-BEAM REPAIR TABLES XII		I. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
SN 016-0133 (SB)	90	2020-004-BR			соок	1492	794
314 0±0-0±33 (3D)	CONTRAC					CT NO. 62	2K74
SHEET S08-99 OF S08-138 SHEETS			ILLINOIS	FED. All	D PROJECT		



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JSER NAME : DESIGNED REVISED -V.G. CHECKED C.G. REVISED -DRAWN D.C.P. REVISED K.G.W. CHECKED -REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Elastomeric Type I Bearing Assembly

36" PPC I-BEAM SN 016-0133 (SB) SHEET S08-100 OF S08-138 SHEETS

DEAD LOAD DEFLECTION DIAGRAM (Includes weight of concrete only.)

> SECTION COUNTY 2020-004-BR COOK 1492 795 CONTRACT NO. 62K74

Pier Step Removal Detail

NOTES

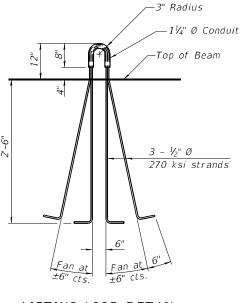
Inserts for $\frac{3}{4}$ " Ø threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $\frac{1}{2}$ " and the nominal cross-sectional area

shall be 0.153 sq. in.

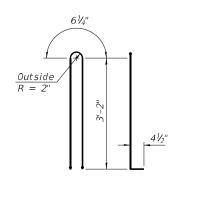
The beams shall have a final concrete compressive strength, f'c, of 6,000 psi and a release concrete compressive strength, f'ci, of 5,000 psi.

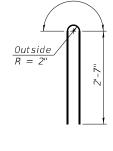
A minimum $2\frac{1}{2}$ " Ø lifting pin shall be used to engage the lifting loops during handling. The top and bottom plates shall be AASHTO M270 Grade 50.

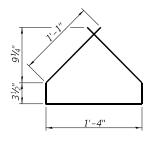
The top and bottom plates shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.
Threaded rods shall be ASTM F 1554 Grade 55.



LIFTING LOOP DETAIL



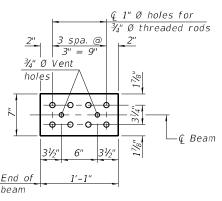




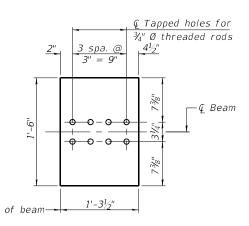
BAR G1(E)

BAR G2(E)

BAR G4(E)



TOP PLATE



BOTTOM PLATE See bearing details for pintle hole locations when required.

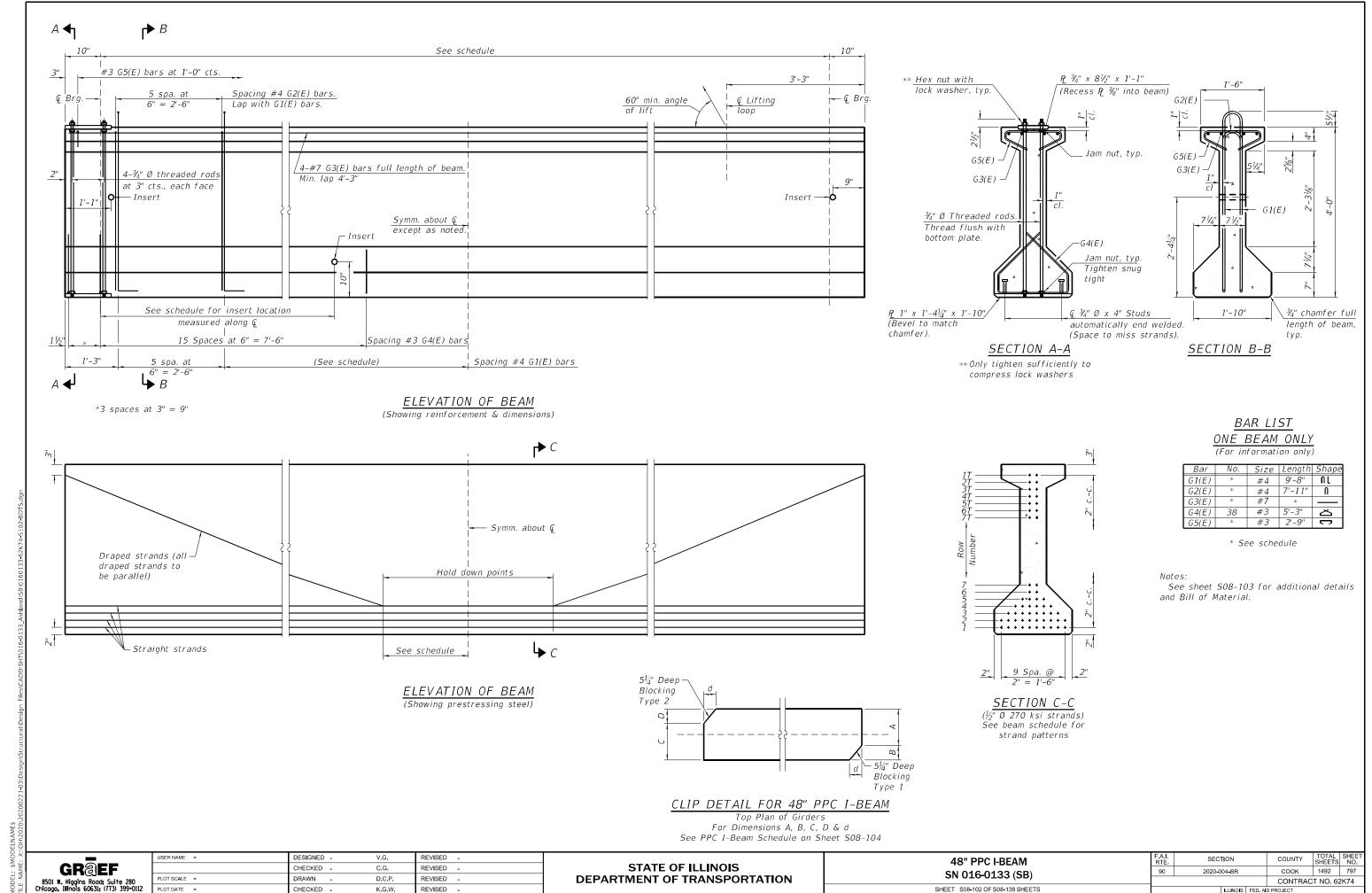
BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 36"	Foot	113

PLOT DATE =	CHECKED -	K.G.W.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
	CHECKED -	C.G.	REVISED -
USER NAME =	DESIGNED -	V.G.	REVISED -

36" PPC I-BEAM DETAILS	F.A.I. RTE	SECTIO
SN 016-0133 (SB)	90	2020-004
3N 010-0133 (3B)		
CLIEFT 000 404 OF 000 400 CLIEFTO		

A.I. RTE	SECTION		COUNTY	TOTAL SHEETS	SHE
90	2020-004-BR		соок	1492	796
			CONTRAC	T NO. 62	2K74
	ILLINOIS	FED. A	D PROJECT		



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<u>NOTES</u>

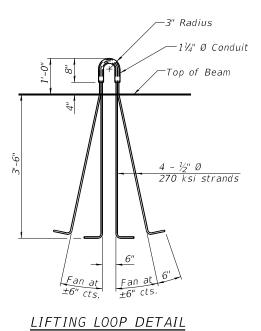
Inserts for $\frac{3}{4}$ " Ø threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $\frac{1}{2}$ " and the nominal cross-sectional area

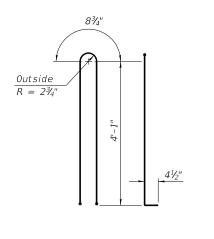
The beams shall have a final concrete compressive strength, f'c, of 6,000 psi and a release concrete compressive strength, f'ci, of 5,000 psi.

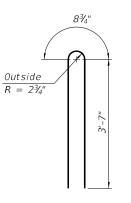
A minimum $2\frac{1}{2}$ " Ø lifting pin shall be used to engage the lifting loops during handling. The top and bottom plates shall be AASHTO M270 Grade 50.

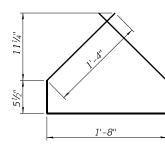
The top and bottom plates shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232.

Threaded rods shall be ASTM F 1554 Grade 55.





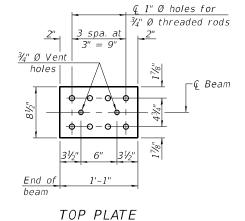


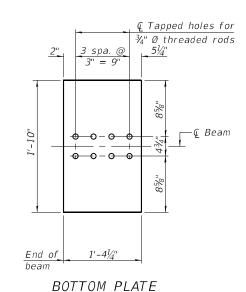


BAR G1(E)

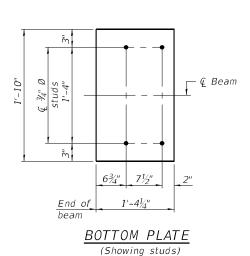
BAR G2(E)

BAR G4(E)





(Showing threaded rods)



BAR G5(E)

See bearing details for pintle hole locations when required.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48"	Foot	1778



USER NAME =	DESIGNED -	V.G.	REVISED -
	CHECKED -	C.G.	REVISED -
PLOT SCALE =	DRAWN -	D.C.P.	REVISED -
PLOT DATE =	CHECKED -	K.G.W.	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

48" PPC I-BEAM DETAILS SN 016-0133 (SB)
SHEET S08-103 OF S08-138 SHEETS

A.I.	SECTION		OTAL HEETS	SHE					
90	2020-004-BR	COOK 1	1492	79					
		CONTRACT	NO. 62	K74					
	ILLINOIS FED. AID PROJECT								

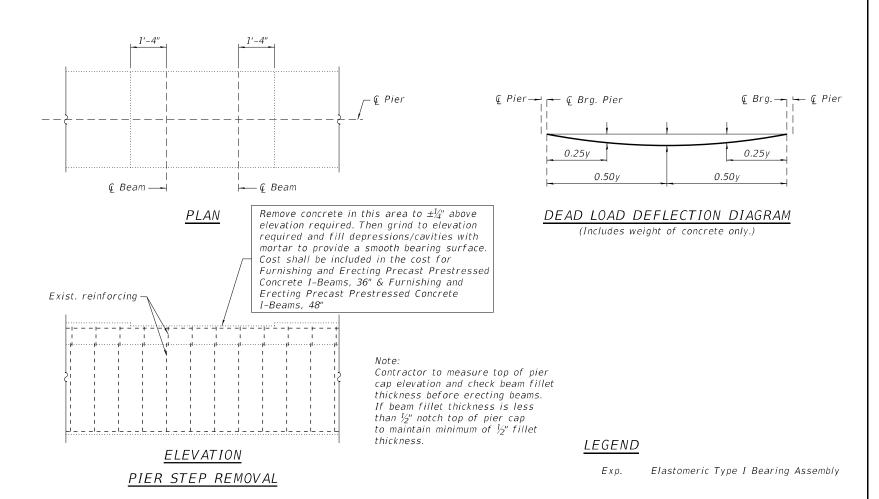
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48" DEEP PRECAST PRESTRESSED CONCRETE I-BEAM SCHEDULE

I-Beam Number	Quantit	Length CI BrgBrg.	Ins	ert		Block	ing of (Girder H	- - - - - - - - - - - - - - - - - - -	5		G1 Bars		G2 Bars No.	G.	Bars	G5 Bars No.		Strands		Stran	d Loca	ations	at CI R	ow				Strar	nd Loca	tions a	t End	Row			
			South	North	Туре	A B	d	Туре	С	D	d	Spacing	No.		No.	Length		Straight	Draped	Total	1 2	3	4	5 6	7	1	2	3 4	5	6 7	' 7T	6T	5T 4T	T 3T	2T	17
53.10	1	74'-11"	25'-0"	25'-0"	-		-	-	-	-	-	35 SP @ 24" (+/-)	36	36	12	28'-3"	77	14	6	20	10 8	2				8	6							2	2	2
53.11	1	74'-11"	25'-0"	25'-0"	-		_	-	-	-	-	35 SP @ 24" (+/-)	36	36	12	28'-3"	77	14	6	20	10 8	2				8	6							2	2	2
55.9	1	74'-11"	25'-0"	25'-0"	-		-	-	-	-	-	35 SP @ 24" (+/-)	36	36	12	28'-3"	77	14	6	20	10 8	2				8	6							2	2	2
55.10	1	74'-11"	25'-0"	25'-0"	-		-	-		-	-	35 SP @ 24" (+/-)	36	36	12	28'-3"	77	14	6	20	10 8	2				8	6							2	2	2
56.9	1	74'-11"	25'-0"	25'-0"	-		-	-	-	-	-	35 SP @ 24" (+/-)	36	36	12	28'-3"	77	14	6	20	10 8	2				8	6							2	2	2
56.10	1	74'-11"	25'-0"	25'-0"	-		-	-	-	-	-	35 SP @ 24" (+/-)	36	36	12	28'-3"	77	14	6	20	10 8	2				8	6							2	2	2
S14.5	1	66'-2"	22'-0"	22'-0"	-		-	2	10¾"	71/4"	3"	41 SP @ 18" (+/-)	42	42	12	25'-4"	69	16	8	24	10 10	2	2			8	8						2	. 2	2	2
S18.8	1	54'-3"	19'-6"	19'-6"	-		-	-	-	-	-	33 SP @ 18" (+/-)	34	34	8	29'-4"	57	10	2	12	10 2					10										2
S19.10	1	68'-6"	22'-10"	22'-10"	-		-	-	-	-	-	51 SP @ 15" (+/-)	52	52	12	26'-2"	71	12	6	18	10 6	2				8	4							2	2	2
S19.11	1	68'-6"	22'-10"	22'-10"	-		_	-	-	-	-	51 SP @ 15" (+/-)	52	52	12	26'-2"	71	12	6	18	10 6	2				8	4							2	2	2
S20.8	1	53'-7"	17'-10"	17'-10"	-		_	-	-	-	-	24 SP @ 24" (+/-)	25	25	8	29'-0"	56	10	2	12	10 2					10										2
520.9	1	53'-7"	17'-10"	17'-10"	-		_	-	-	-	-	24 SP @ 24" (+/-)	25	25	8	29'-0"	56	10	2	12	10 2					10										2
521.4	1	57'-6"	19'-2"	19'-2"	-		-	-	-	-	-	30 SP @ 21" (+/-)	31	31	8	31'-0	60	12	2	14	10 4					10	2									2
<i>S21.5</i>	1	57'-6"	19'-2"	19'-2"	-	- -	-	-	-	-	-	30 SP @ 21" (+/-)	31	31	8	31'-0"	60	12	2	14	10 4					10	2									2
521.8	1	57'-6"	19'-2"	19'-2"	-	- -	-	-	-	-	-	30 SP @ 21" (+/-)	31	31	8	31'-0"	60	12	2	14	10 4					10	2									2
521.9	1	57'-6"	19'-2"	19'-2"	-	- -	-	-	-	-	-	30 SP @ 21" (+/-)	31	31	8	31'-0"	60	12	2	14	10 4					10	2									2
522.6	1	50'-4"	25'-2"	25'-2"	-	- -	-	-	-	-		23 SP @ 24" (+/-)		24	8	27'-5"	53	10	2	12	10 2					10										2
<i>S22.7</i>	1	50'-4"	25'-2"	25'-2"	-	- -	-	-	-	-	-	23 SP @ 24" (+/-)	24	24	8	27'-5"	53	10	2	12	10 2					10										2
522.10	1	50'-4"	25'-2"	25'-2"	-		-	-	-	-	-	23 SP @ 24" (+/-)	24	24	8	27'-5"	53	10	2	12	10 2					10										2
522.11	1	50'-4"	25'-2"	25'-2"	-		-	-	-	-		23 SP @ 24" (+/-)		24	8	27'-5"	53	10	2	12	10 2					10										2
<i>S23.6</i>	1	63'-2"	23'-3"	23'-3"	1	13" 5"	3"	-	-	-	-	29 SP @ 24" (+/-)	30	30	8	33'-9"	66	12	2	14	10 4					10	2									2
<i>S23.7</i>	1	61'-6"	29'-0"	32'-6"	1	13" 5"	3"	-	-	-	-	28 SP @ 24" (+/-)	29	29	8	32'-11"	64	12	2	14	10 4					10	2									2
523.10	1	50'-3"	29'-0"	21'-3"	1	13" 5"	3"	-	-	-	-	23 SP @ 24" (+/-)	24	24	8	27'-4"	53	12	2	14	10 4					10	2									2
S23.11	1	48'-7"	22'-6"	26'-1"	1	13" 5"	3"	-	-	-	-	22 SP @ 24" (+/-)	23	23	8	26'-6"	51	12	2	14	10 4					10	2									2
S24.15	1	80'-6"	26'-10"	26'-10"	1	$11\frac{1}{2}$ " $6\frac{1}{2}$	' 4"	2	12"	6"	4"	38 SP @ 24" (+/-)	39	39	12	30'-2"	83	14	6	20	10 8	2				8	6							2	2	2
524.16	1	80'-6"	26'-10"	26'-10"	1	$11\frac{1}{2}$ " $6\frac{1}{2}$	' 4"	2	12"	6"	4"	38 SP @ 24" (+/-)	39	39	12	30'-2"	83	14	6	20	10 8	2				8	6							2	2	2
S25.10	1	50'-10"	25'-5"	25'-5"	-		-	2	11½"	61/2"	4"	23 SP @ 24" (+/-)	24	24	8	27'-8"	53	10	2	12	10 2					10										2
S25.11	1	50'-10"	25'-5"	25'-5"	-		-	2	11½"	61/2"	4"	23 SP @ 24" (+/-)	24	24	8	27'-8"	53	10	2	12	10 2					10										2

I-BEAM SCHEDULE CONTINUED

I-Beam Number	Hold Down Point From	Bearin	g Type		Deflection Weight Only)	Remarks
	CI	South	North	0.25y	0.50y	
53.10	7'-8"	Fixed	Ехр.	1/8	3/8	
53.11	7'-8"	Fixed	Ехр.	1/8	3/8 3/8	
S5.9	7'-8"	Fixed	Exp.	1/8	3/8	
<i>S5.10</i>	7'-8"	Fixed	Exp.	1/8	3/ ₈ 3/ ₈	
56.9	7'-8"	Ехр.	Fixed	1/8	3/8	
56.10	7'-8"	Ехр.	Fixed	1/8	3%	
S14.5	6'-9"	Ехр.	Fixed	1/8	1/4	
518.8	5'-7"	Fixed	Exp.	0	1/2	
519.10	7'-0"	Fixed	Exp.	1/8	3/ ₈ 3/ ₈	
519.11	7'-0"	Fixed	Exp.	1/8	3/8	
520.8	5'-6"	Ехр.	Fixed	0	1/8	
<i>S20.9</i>	5'-6"	Exp.	Fixed	0	1/8	
521.4	5'-11"	Fixed	Exp.	1/8	1/4	
S21.5	5'-11"	Fixed	Ехр.	1/8	1/4	
S21.8	5'-11"	Fixed	Ехр.	1/8	1/4	
521.9	5'-11"	Fixed	Exp.	1/8	1/4	
522.6	5'-2"	Ехр.	Fixed	0	1/8	
<i>S22.7</i>	5'-2"	Exp.	Fixed	0	1/8	
S22.10	5'-2"	Exp.	Fixed	0	1/8	
S22.11	5'-2"	Ехр.	Fixed	0	1/8	
<i>S23.6</i>	6'-6"	Ехр.	Fixed	1/8	1/4	
S23.7	6'-4"	Ехр.	Fixed	1/8	1/4	
S23.10	5'-2"	Ехр.	Fixed	0	1/8	
S23.11	5'-0"	Ехр.	Fixed	0	1/8	
S24.15	8'-3"	Fixed	Ехр.	1/4	5% 5%	
524.16	8'-3"	Fixed	Exp.	1/4	5/8	
525.10	5'-3"	Ехр.	Fixed	0	1/8	
S25.11	5'-3"	Ехр.	Fixed	0	1/8	

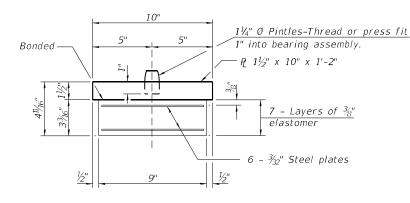


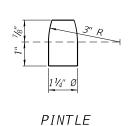
GROEF

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Chicogo, Illinois 60631; (773) 399-0112

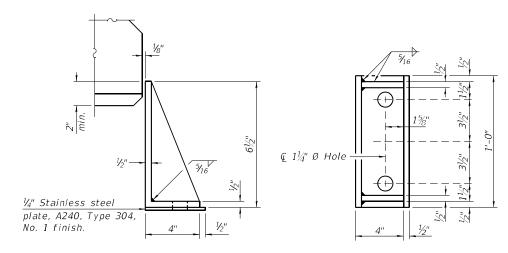
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPE I ELASTOMERIC EXP. BRG. FOR 36" PPC I-BEAM (2 Required)





BEARING ASSEMBLY



SIDE RETAINER

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

Notes:

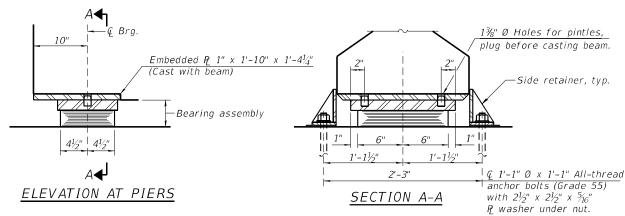
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.

See sheets S08-101 and S08-103 for additional details of embedded plate.

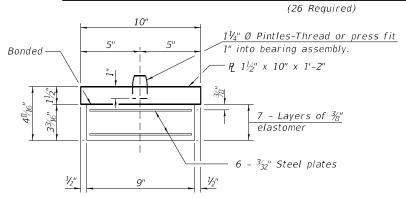
Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

All exposed bearing plates and side retainers shall be hot dip galvanized according to AASHTO M111.

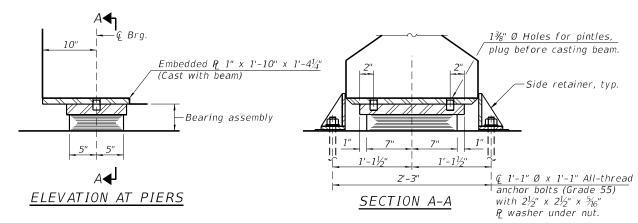
Burn existing anchor bolts flush with existing concrete surface. Grind existing anchor bolt smooth and seal with epoxy. Cost shall be included in Removal of Existing Bearings.



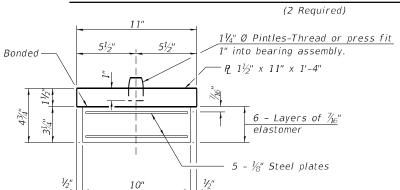
TYPE I ELASTOMERIC EXP. BRG. FOR 48" PPC I-BEAM EXCEPT SPAN 24



BEARING ASSEMBLY



TYPE I ELASTOMERIC EXP. BRG. FOR 48" PPC I-BEAM SPAN 24 ONLY



BEARING ASSEMBLY

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	30
Anchor Bolts	Each	60

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USER NAME =	DESIGNED -	V.G.	REVISED	-
	CHECKED -	C.G.	REVISED	-
PLOT SCALE =	DRAWN -	D.C.P.	REVISED	-
PLOT DATE =	CHECKED -	K.G.W.	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SECTION COUNTY **BEARING DETAILS I** 90 2020-004-BR COOK 1492 800 SN 016-0133 (SB) CONTRACT NO. 62K74 SHEET S08-105 OF S08-138 SHEETS