ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		SHEET NO. 6
FAS 819	101BR-3	WASHINGTON		15		15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-				

CONTRACT NO. 76964

SECTION THRU ABUTMENTS
(At outside beams)

See Sheet 10 of 15 for details
See Sheets 11 and 13 of 15 for removal and replacement details and quantities
See Blockout Detail
Bituminous Surface & Waterproofing
$\frac{1}{2}$" PJF
10"
$1\frac{5}{8}$" @ 50°F
₵ Brg.
21" Deck Beam
PPC Deck Beam
1'-9" Approach Unit
$\frac{1}{4}$" Fabric Bearing Pad
7"
Fabric Bearing Pads
2-9" x $\frac{1}{4}$" x 2'-1" or 1'-0$\frac{1}{2}$" (36" Bms.)
2-9" x $\frac{1}{4}$" x 2'-5" or 1'-2$\frac{1}{2}$" (48" Bm.)

SECTION THRU ABUTMENTS
(At ₵ Roadway)

See Sheet 10 of 15 for details
See Sheets 11 and 13 of 15 for removal and replacement details and quantities
Pavement removal and replacement See Roadway Plans
See Blockout Detail
Bituminous Surface & Waterproofing
10"
$1\frac{5}{8}$" @ 50°F
₵ Brg.
21" Deck Beam
PPC Deck Beam
7"
Fabric Bearing Pads
2-9" x $\frac{1}{4}$" x 2'-1" or 1'-0$\frac{1}{2}$" (36" Bms.)
2-9" x $\frac{1}{4}$" x 2'-5" or 1'-2$\frac{1}{2}$" (48" Bm.)

BLOCKOUT DETAIL
*At Each Abutment

Concrete in blockout is billed as Concrete Structures in Bill of Material.
#5 E bars Cast in Beam
3- #5 a(E) bars Stage I
3- #5 a₁(E) bars Stage II
3- Bar Splicers for #5 a(E) and a₁(E) bars at Stage Construction Line
7"
2"
8"
2"

SECTION THRU PIER

$\frac{1}{4}$" x $\frac{3}{4}$" Sawed Joint with Elastic Joint Sealer-Full Width
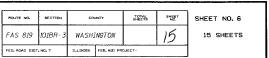Bituminous Surface & Waterproofing
$2\frac{1}{4}$" Joint shall be filled with non-shrink grout. This dimension may vary to accomadate tolerance in beam lengths.
₵ Brg.
7"
7"
₵ Brg.
21" Deck Beam
PPC Deck Beam
1" ϕ x 2'-6" Dowel Rods in 1$\frac{1}{2}$" ϕ holes (2 each beam)
Fabric Bearing Pad
1-9" x $\frac{1}{2}$" x 2'-7" or 1'-3$\frac{1}{2}$" (36" Bms.)
1-9" x $\frac{1}{2}$" x 2'-11" or 1'-5$\frac{1}{2}$" (48" Bm.)
$\frac{1}{2}$" x 6" PJF Full Width

NOTES

Hatched areas to be poured after beams have been erected and joints are grouted.

Existing bearing pads at Abutments are made of graphited asbestos. The contractor shall take appropriate precautions during the removal and disposal of these bearing pads.

After beams have been erected, holes for dowel rods shall be drilled into substructure and dowel rods placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure minimum 24 hours prior to grouting the shear keys.

Reinforcement bars designated (E) shall be epoxy coated.

See Sheet 5 of 15 for Cross Section and Railing Elevation.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	6	#5	12'-9"	—
a₁(E)	6	#5	17'-9"	—
Reinforcement Bars (Epoxy Coated)		L.b.	190	
Concrete Structures		Cu. Yd.	1.4	
Bar Splicers		Each	6	

CAMBER DIAGRAM

Bituminous Concrete Surface Course
Waterproofing Membrane System
Profile Grade Match Exist.
₵ Pier
Bituminous Concrete Surface Course
Profile Grade Match Exist.
Waterproofing Membrane System
$1\frac{1}{2}$" min.
$\frac{1}{2}$"
$1\frac{3}{4}$"
$1\frac{1}{2}$" min.
3"
Top of Deck Beam
Expected Camber
Top of Deck Beam
Expected Camber
3"
49'-7"
49'-7"

ILLINOIS DEPARTMENT OF TRANSPORTATION
SHEET TITLE
SUPERSTRUCTURE DETAILS
PROJECT
IL RTE 177 OVER GRAND POINT CRK
FAS ROUTE 819 SECTION 101BR-3
WASHINGTON COUNTY
STATION 160+70.00
STRUCTURE NUMBER 095-0021
PROJECT NO. 05028-1
DATE 05/09/06
DRAWN BY TFG
CHECKED BY CME/MCB
COOMBE-BLOXDORF P.C.
Engineers/Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703
6
OF 15 SHTS