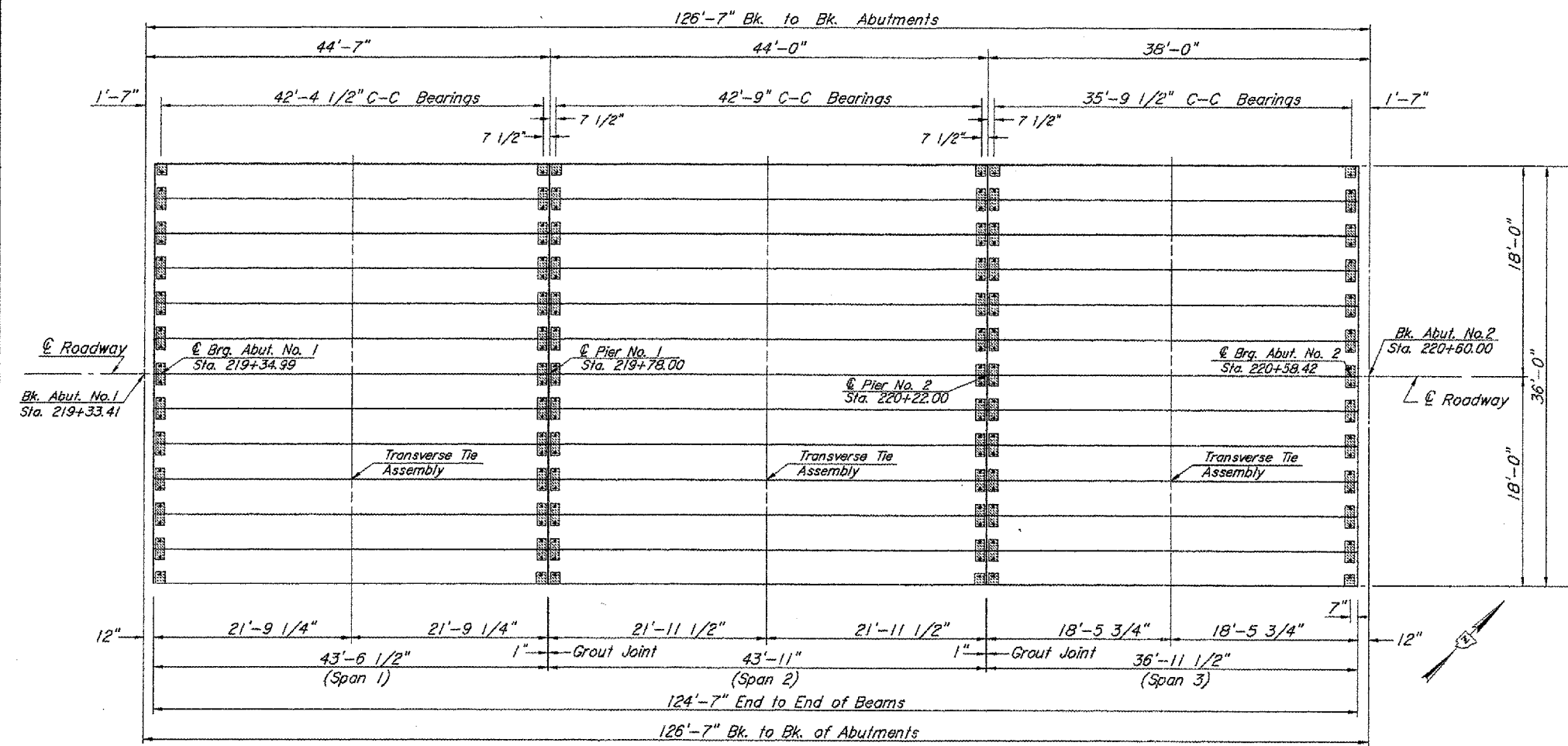


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1381	89-00005-00-BR	PEORIA	29	7
FED. ROAD DIST. NO.	ILLINOIS PROJECT	BR-9-1381 (109)		

CONTRACT: 89066

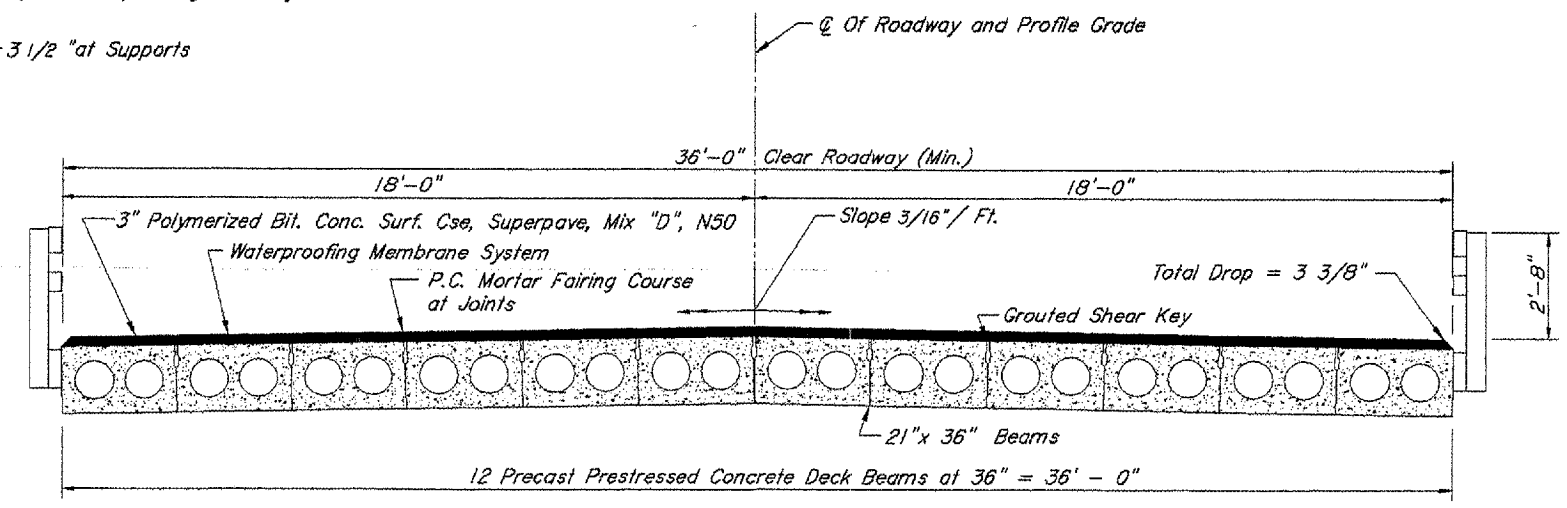
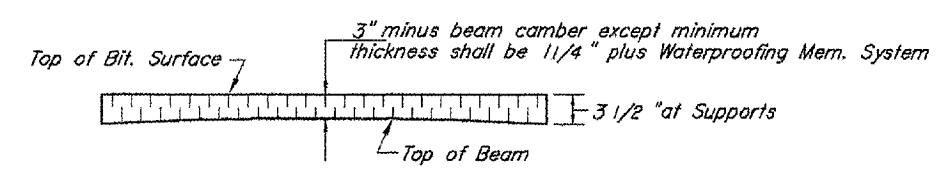
GENERAL NOTES

The Standard Specifications adopted January 1, 2002 by the Illinois Department of Transportation shall apply to the work of this contract.
 Layout of the slopewalls may be varied in the field to suit the ground conditions as directed by the Engineer.
 The Contractor shall drive 4-HP 12x53 test piles in permanent locations, one at each abutment and one at each pier as directed by the Engineer before ordering the remainder of piles.
 The top surface of the beams shall be finished in accordance with Article 504.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners, and the top edge of keys shall be rounded or chamfered 1/4".
 A Calcium Nitrite Corrosion Inhibitor, as covered in the Special Provisions, shall be used in the concrete for the precast prestressed concrete deck beams.
 Prestressing steel shall be non-galvanized high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
 The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.
 After the beams have been erected, holes shall be drilled into the substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hr., prior to grouting the shear keys.
 The bearing seat surfaces shall be adjusted by shimming to assure firm and even bearing. Two 1/8" fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing.
 The cost of reinforcement and accessories cast into the beams, bearing pads, furnishing and assembling transverse ties, drilling and grouting dowel rods, and grouting longitudinal shear keys, joint sealer, and miscellaneous hardware shall be included in the unit cost per square foot of Precast Prestressed Concrete Deck Beams.
 Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between top of beam and the bottom edge of the key.
 The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
 All excavation in the channel required to construct the bridge must not be replaced in the channel. The acceptable materials may be used as fill materials on the roadway as directed by the Engineer.
 Backfill shall be placed behind the Abutment after the superstructure has been erected and the dowel rods grouted. See article 502.10 of the Standard Specifications. Cost included.
 Required release strength, f'ci, shall be 4,000 psi.
 Reinforcement Bars shall conform to the requirements of AASHTO M-31 or M-322 Grade 60.
 Rail Post anchor devices shall be cast into outside beam as elsewhere specified.



PLAN - DECK BEAMS

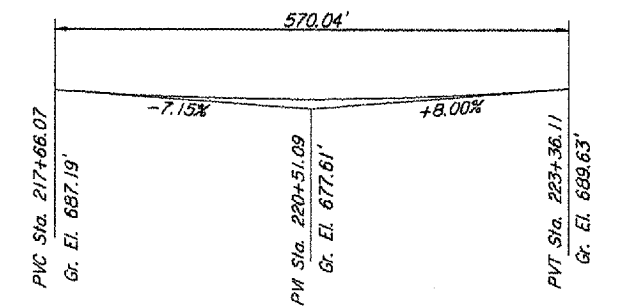
Span 1 = 12 - 21" x 43'- 6 1/2" Beams
 Span 2 = 12 - 21" x 43'- 11" Beams
 Span 3 = 12 - 21" x 36'- 11 1/2" Beams



TYPICAL CROSS SECTION

BR. COPPERAS CREEK
 BUILT 200
 PEORIA COUNTY
 SEC. 89-00005-00-BR
 LOADING HS 20
 STATION 219+96.71
 STR. NO. 072-3129

NAME PLATES



THEORETICAL PROFILE GRADE

(Along Centerline Of Roadway)

GENERAL NOTES
TYPICAL CROSS SECTION
NAME PLATES

Filename: GENNOTES