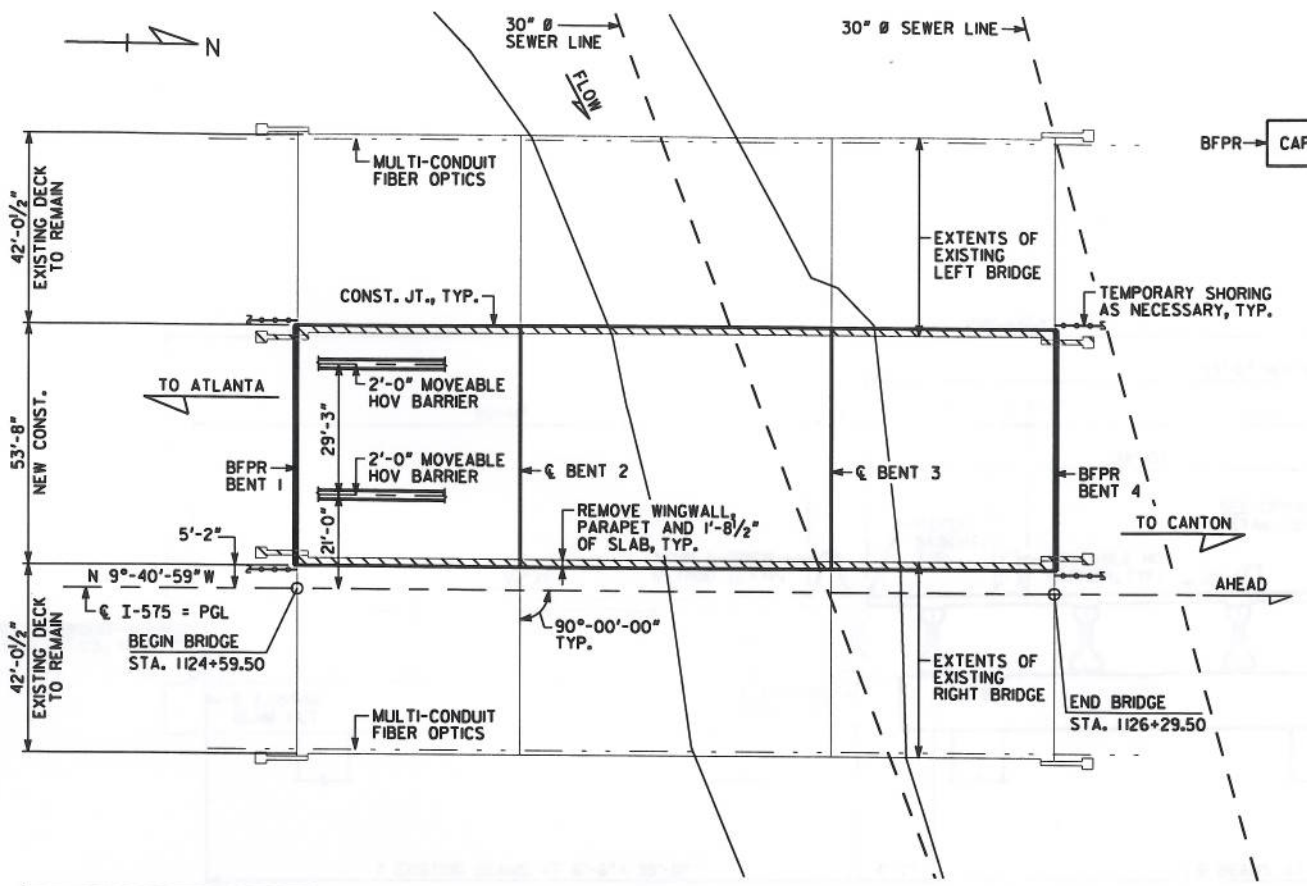
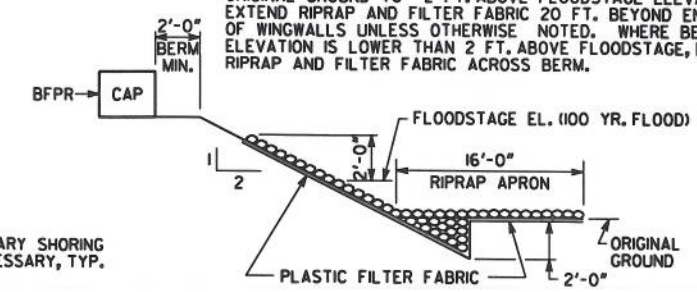
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	NH000-0575-01(028)		

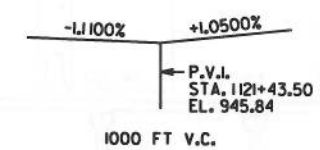


PLAN
SCALE: 1" = 20'-0"

PLACE RIPRAP AND FILTER FABRIC FROM 2 FT. BELOW ORIGINAL GROUND TO 2 FT. ABOVE FLOODSTAGE ELEVATION. EXTEND RIPRAP AND FILTER FABRIC 20 FT. BEYOND END OF WINGWALLS UNLESS OTHERWISE NOTED. WHERE BERM ELEVATION IS LOWER THAN 2 FT. ABOVE FLOODSTAGE, EXTEND RIPRAP AND FILTER FABRIC ACROSS BERM.



RIPRAP DETAIL
NO SCALE



I-575
GRADE DATA

DESIGN DATA

SPECIFICATIONS ---------- AASHTO 17TH EDITION, 2002
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)
TYPICAL HS20-44 AND/OR MILITARY LOADING --- IMPACT ALLOWED
FUTURE PAVING ALLOWANCE ---------- 30 LBS PER SQ FT

~~WIDENED~~ BRIDGE CONSISTS OF

WIDENED

2 - 50'-0" TYPE II PSC BEAM SPANS ---------- SPECIAL DESIGN
1 - 70'-0" TYPE III PSC BEAM SPAN ---------- SPECIAL DESIGN
2 - PILE END BENTS ---------- SPECIAL DESIGN
2 - CONCRETE INTERMEDIATE BENTS ---------- SPECIAL DESIGN
24" TYPE I RIP RAP

EXISTING UTILITIES ON BRIDGE

MULTI-CONDUIT FIBER OPTIC LINE

EXISTING UTILITIES UNDER BRIDGE

2 - 30" STEEL SANITARY SEWER LINES

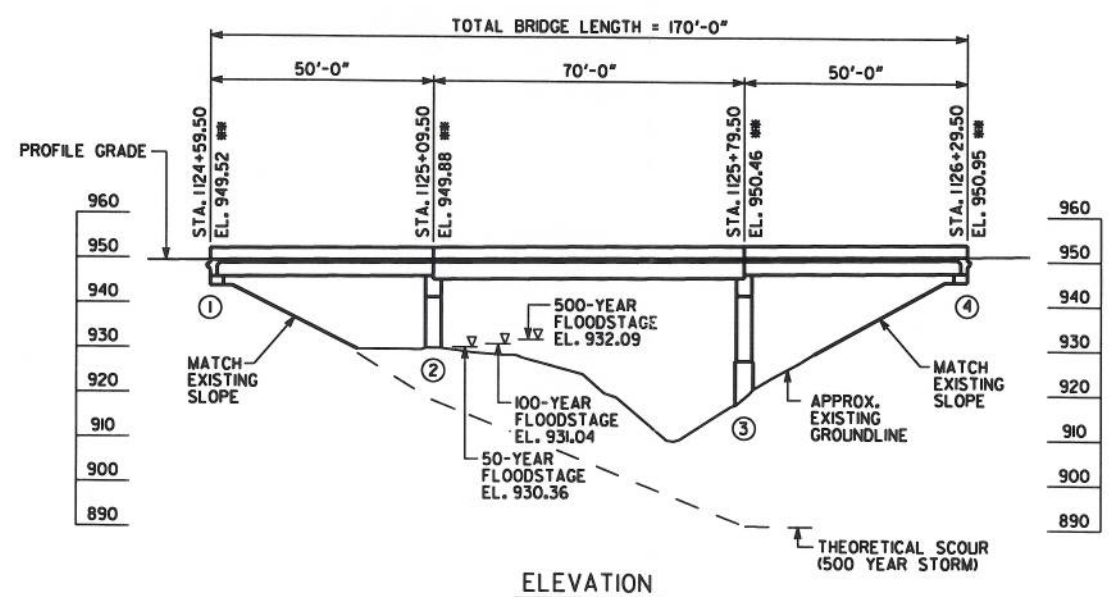
BERM ELEVATIONS (*)

BENT	LEFT	RIGHT
1	942.40	942.40
4	943.81	943.81

(*) NOTE: FOR BRIDGE ENDROLL STAKING PURPOSES ONLY.

NOTES:

1. *** STATIONS ARE ALONG ℄ I-575 AT THE INTERSECTION OF ℄ I-575 AND BFPR OR ℄ BENT. ELEVATIONS ARE ALONG PGL.
2. END BENT PILES NOT SHOWN.
3. SEE SHEET 3 FOR PROPOSED DECK CROSS SLOPE.
4. REPAIR AND REPLACE EXISTING RIPRAP AS NEEDED. EXTEND APRON ACROSS TOE OF EXISTING SLOPES.
5. THE MINIMUM BOTTOM OF BEAM ELEVATION FOR THE PROPOSED BRIDGE SHALL BE NO LOWER THAN ELEVATION 932.36
6. THE PROPOSED BRIDGE BOTTOM OF BEAM ELEVATION IS 945.38
7. CONTRACTOR TO LOCATE EXISTING SEWER LINE PRIOR TO DRIVING PILES. INSTALL PILES TO ACCOMMODATE EXISTING SEWER LINE. PROTECT SEWER LINE AT ALL TIMES DURING CONSTRUCTION.



ELEVATION
SCALE: 1" = 20'-0"

DRAINAGE DATA

DRAINAGE AREA ---------- 12.8 SQ MI

FLOOD FREQUENCY	DISCHARGE THRU BRIDGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	6,665 CFS	12.87 FPS	518 SQ FT	3.45 FT
100 YEAR	7,649 CFS	13.27 FPS	576 SQ FT	3.94 FT
500 YEAR	9,444 CFS	13.50 FPS	699 SQ FT	4.75 FT

THEORETICAL SCOUR DEPTHS (FT)						
	100 YEAR STORM			500 YEAR STORM		
BENT LOCATION	GENERAL	LOCAL	TOTAL	GENERAL	LOCAL	TOTAL
BENT 2	1.0	10.0	11.0	1.0	10.4	11.4
BENT 3	14.1	10.0	24.1	18.2	10.4	28.6

EXISTING LEFT BRIDGE SERIAL NO. 067-0114-0
EXISTING LEFT BRIDGE I.D. NO. 067-00417D-001.99N
EXISTING RIGHT BRIDGE SERIAL NO. 067-0113-0
EXISTING RIGHT BRIDGE I.D. NO. 067-00417D-001.98N
PROJECT P.I. NO. 713640

BRIDGE NO. 36

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ABBAS ESHAGIEH-MEYBODI	11/20/09	DRAWN BY / DATE
		CHECKED BY / DATE
		SUPERVISOR / DATE
		APPROVED / DATE

REVISIONS

NO	DATE	DESCRIPTION	ORIG	CHKR	SUPV	APPR
A	6/30/09	Progress Drawings (50 11 Revision 2)	AEM	JCR	GLE	SJL
B	9/25/09	50% SUBMISSION	AEM	JCR	GLE	SJL
C	11/20/09	HYDRAULIC STUDY SUBMISSION	AEM	JCR	GLE	SJL

GTP Georgia Transportation Partners

NORTHWEST I-75/I-575 CORRIDOR

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

JBT J.B. Trimble, Inc.
2550 Heritage Ct. SE Suite 250
Atlanta GA 30339-3062
(770) 952-1022

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27873 — 11-25-09

BRIDGE SHEET
1 OF 2

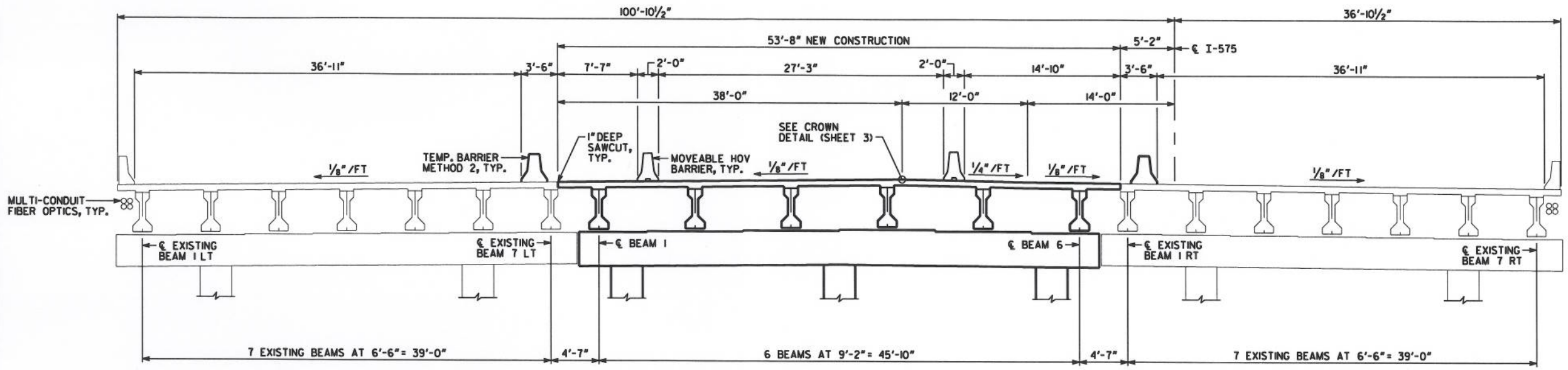
I-75 / I-575 NORTHWEST CORRIDOR

I-575 REVERSIBLE OVER NOONDAY CREEK SOUTH

PLAN AND ELEVATION

COBB COUNTY NH000-0575-01(028)

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	NH000-0575-01(028)		



TYPICAL SECTION
(LOOKING AHEAD)

CONSTRUCTION SEQUENCE

1. PLACE TEMPORARY BARRIER. MAINTAIN TWO 12'-0" LANES OF TRAFFIC IN EACH DIRECTION ON EXISTING BRIDGES.
2. REMOVE PORTIONS OF EXISTING BRIDGES AS NECESSARY FOR NEW CONSTRUCTION.
3. CONSTRUCT NEW SUBSTRUCTURE.
4. CONSTRUCT NEW SUPERSTRUCTURE.

BRIDGE NO. 36

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ABBAS ESHAGIEH-MEYBODI	11/20/09	DRAWN BY / DATE
		CHECKED BY / DATE
		SUPERVISOR / DATE
		APPROVED / DATE

REVISIONS

NO	DATE	DESCRIPTION	ORIG	CHKR	SUPV	APPR
A	6/30/09	Progress Drawings (SO II Revision 2)	AEM	JCR	GLE	SJL
B	9/25/09	50% SUBMISSION	AEM	JCR	GLE	SJL
C	11/20/09	HYDRAULIC STUDY SUBMISSION	AEM	JCR	GLE	SJL

GTP Georgia Transportation Partners

NORTHWEST I-75/I-575 CORRIDOR

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

JBT J.B. Trimble, Inc.
2550 Heritage Ct, SE Suite 250
Atlanta GA 30339-3062
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BRIDGE SHEET
2 OF 2

I-75 / I-575 NORTHWEST CORRIDOR

I-575 REVERSIBLE OVER NOONDAY CREEK SOUTH
CONSTRUCTION SEQUENCE

COBB COUNTY NH000-0575-01(028)