

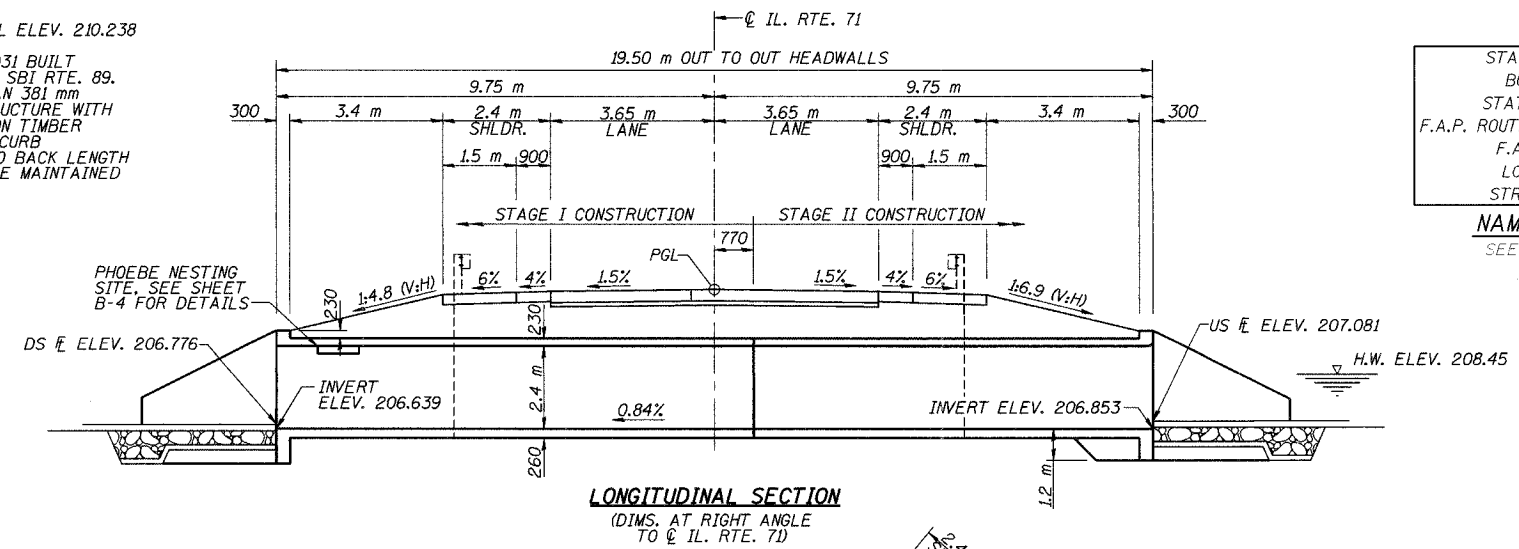
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
619	120 BR-1	PUTNAM	28	14

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-

BENCHMARK:
CHISELED "□" ON N.E. WING WALL ELEV. 210.238

EXISTING STRUCTURE; S.N. 078-0031 BUILT IN 1928 UNDER SECTION 120-B OF SBI RTE. 89. THE STRUCTURE IS A SINGLE SPAN 381 mm REINFORCED CONCRETE SLAB STRUCTURE WITH CLOSED ABUTMENTS SUPPORTED ON TIMBER PILES. 10.4 m FACE TO FACE OF CURB (11.0 m OUT TO OUT) WITH BACK TO BACK LENGTH OF 6.9 m. ONE WAY TRAFFIC TO BE MAINTAINED UTILIZING STAGE CONSTRUCTION.

NO SALVAGE.



STATION 9+268.5
BUILT BY
STATE OF ILLINOIS
F.A.P. ROUTE 619 - SEC. 120 BR-1
F.A. PROJ.
LOADING MS18
STR. NO. 078-2008

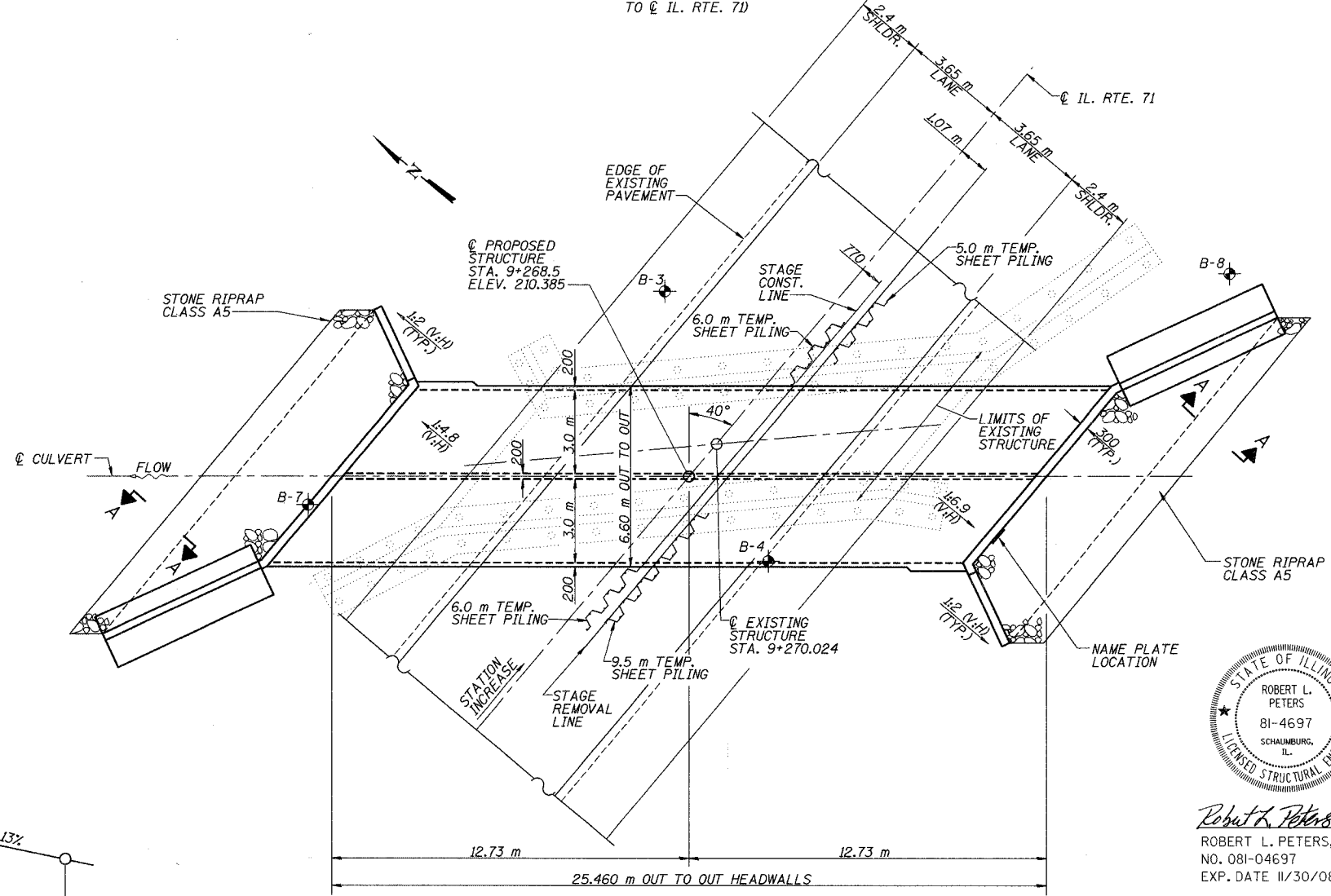
NAME PLATE
SEE STD. 515001

GENERAL NOTES

1. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60 (IL MODIFIED). SEE SPECIAL PROVISIONS.
2. LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
3. ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT AS NOTED.
4. A PRECAST BOX CULVERT ALTERNATE WILL NOT BE ALLOWED AT THIS SITE.
5. FOR BACKFILLING AND EMBANKMENT, SEE STANDARD SPECIFICATIONS.
6. EXPOSED EDGES SHALL HAVE STANDARD 20 mm CHAMFER, UNLESS OTHERWISE NOTED.
7. EXCAVATE BEHIND EXISTING ABUTMENTS PRIOR TO COMMENCING REMOVAL OF SUPERSTRUCTURE.

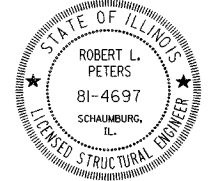
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH	1
NAME PLATES	EACH	1
STONE RIPRAP, CLASS A5	m ²	100
FILTER FABRIC	m ²	140
REINFORCEMENT BARS	kg	14,880
REINFORCEMENT BARS, EPOXY COATED	kg	250
TEMPORARY SHEET PILING	m ²	246.5
CONCRETE BOX CULVERTS	m ³	152.6
BAR SPLICERS	EACH	96

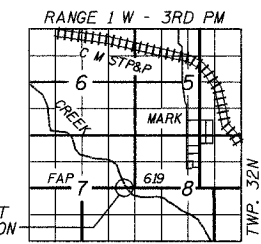


APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES



Robert L. Peters
ROBERT L. PETERS, P.E., S.E.
NO. 081-04697
EXP. DATE 11/30/08

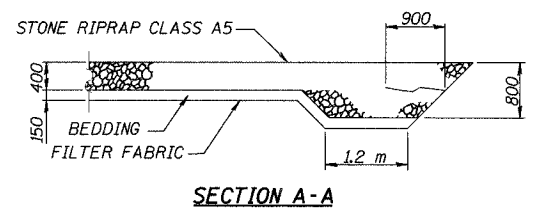
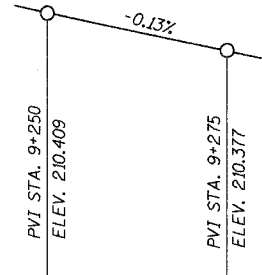


LOADING MS18
Allow 2.4 kN/m² for future wearing surface.

DESIGN SPECIFICATIONS
1996 AASHTO with 1997, 1998 & 1999 Interims

DESIGN STRESSES

FIELD UNITS
f'_c = 24 MPa
f_y = 420 MPa (Reinforcement)



WATERWAY INFORMATION

Drainage Area = 1.14 km² Low Grade Elev. 210.305 Sta. 9+268.5

Flood	Freq. Yr.	Q m ³ /s	Opening m ²		Nat. H.W.E.		Head - m		Headwater Elev.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	50	11.4	4.1	9.8	208.45	0.838	0.0	209.28	208.45	
Base	100	13.5	4.6	10.4	208.56	0.887	0.0	209.44	208.56	
Overtopping										
Max. Calc.	500	17.8	5.4	11.6	208.75	0.975	0.0	209.73	208.75	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN AND ELEVATION
ILLINOIS ROUTE 71 OVER AN INTERMITTENT STREAM
F.A.P. RT. 619 - SECTION 120 BR-1
PUTNAM COUNTY
STATION 9+268.500
STRUCTURE No. 078-2008

DESIGNED BY: MV DRAWN BY: KDS
DATE: 11/21/06 CHECKED BY: SG CHECKED BY: MV

TAN SYSTEMS CORPORATION