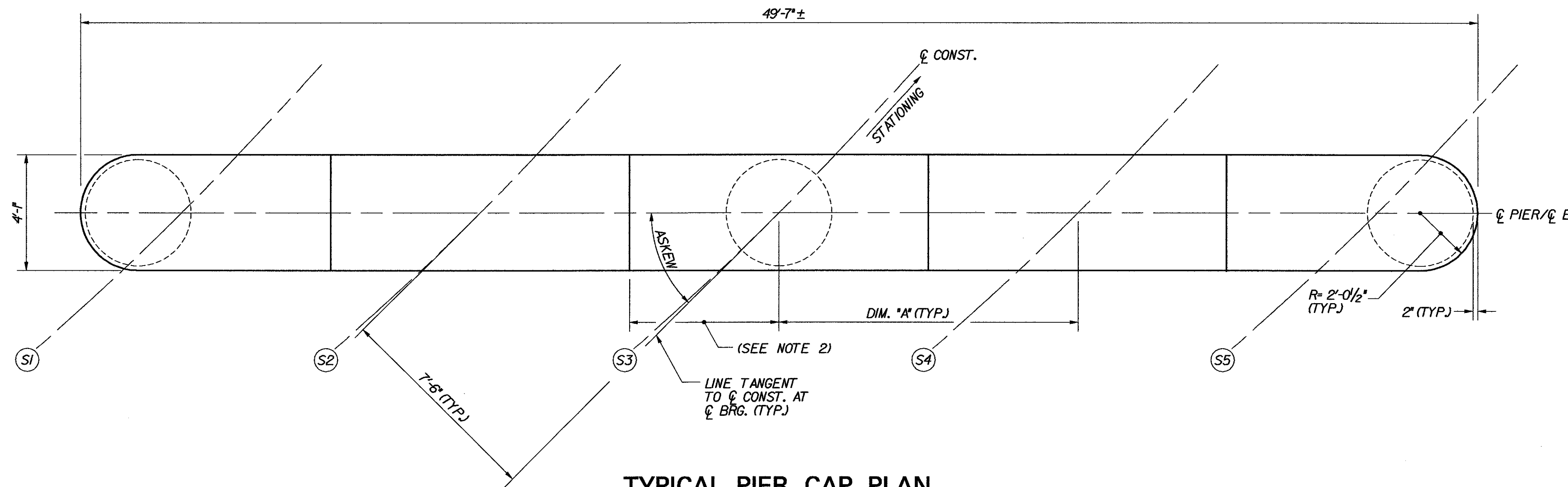
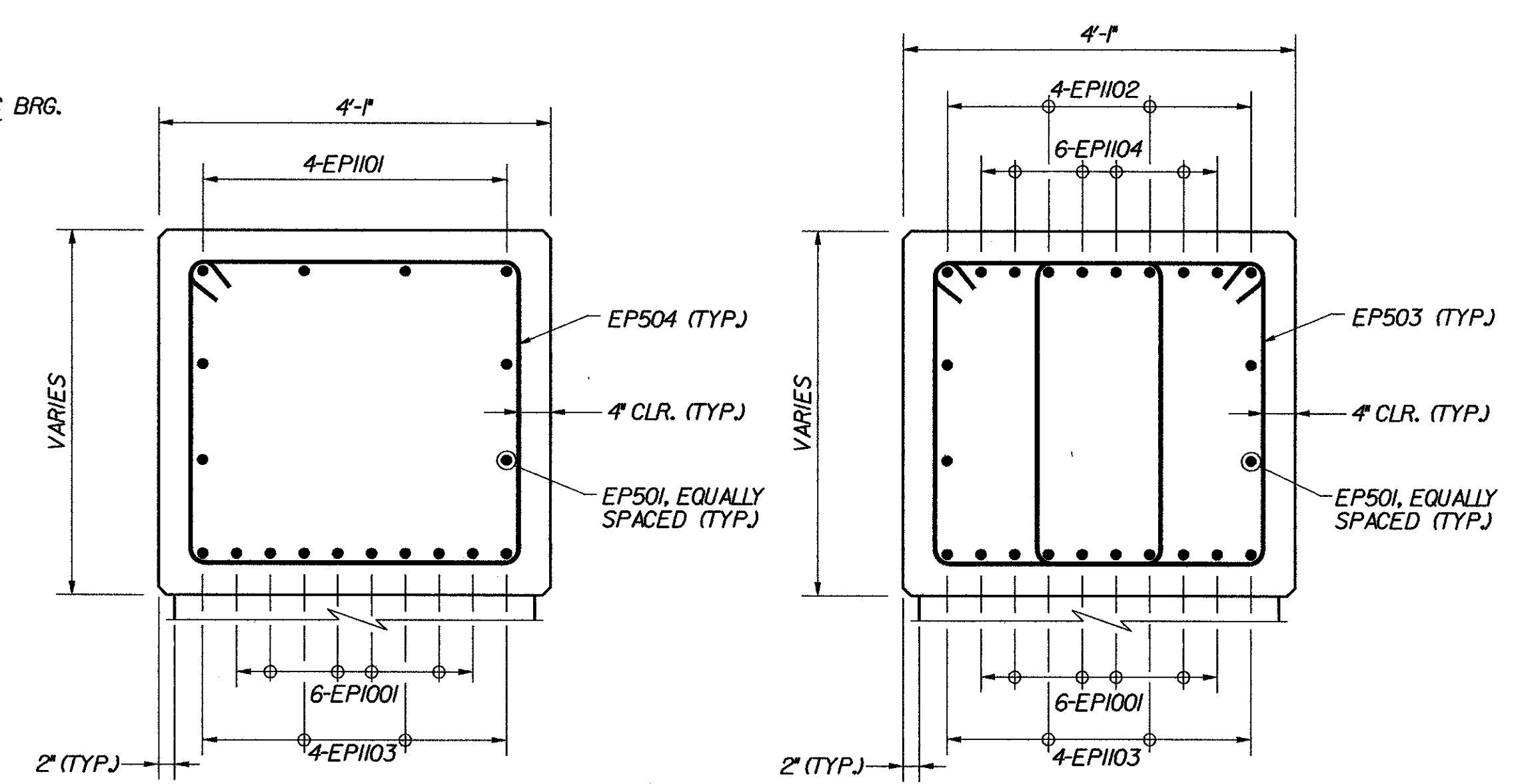


BRIDGE	PIER	STA.	ASKEW ANGLE	DIM. "A"	CL BEARING DIRECTION	PIER SEAT ELEVATIONS					BOTTOM OF PIER CAP ELEVATIONS		
						S1	S2	S3	S4	S5	C1	C2	C3
43N	1	5+02.78	44°50'07.3"	10'-7 5/8"	N 13°48'07.6" W	537.49	537.43	537.36	536.98	536.80	533.79	533.33	532.87
	2	5+76.92	45°01'13.4"	10'-7 1/4"	N 13°48'07.6" W	535.32	535.26	535.19	534.81	534.44	531.41	531.04	530.67
43S	1	4+08.85	44°46'14.5"	10'-7 13/16"	N 13°37'59.2" W	539.10	539.09	539.07	538.74	538.40	535.29	534.95	534.61
	2	4+92.95	44°58'52.7"	10'-7 5/16"	N 13°37'59.2" W	537.07	537.03	536.98	536.62	536.26	533.36	533.01	532.66

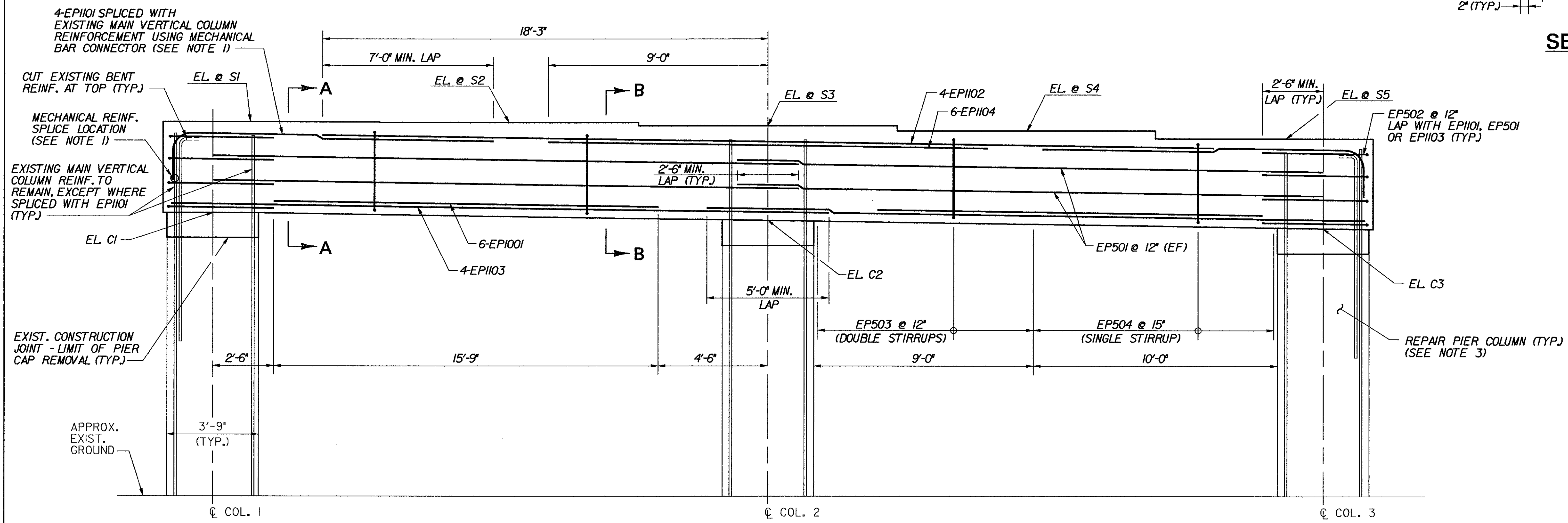


TYPICAL PIER CAP PLAN
SCALE: 3/8"=1'-0"



SECTION A-A
SCALE: 3/4"=1'-0"

SECTION B-B
SCALE: 3/4"=1'-0"



(REINFORCEMENT SYMMETRICAL ABOUT CL COL. 2)

TYPICAL PIER ELEVATION
SCALE: 3/8"=1'-0"

- NOTES:**
- THE CONTRACTOR SHALL SUBMIT PRODUCT DATA FROM THE MANUFACTURER OF THE PROPOSED MECHANICAL BAR CONNECTOR, FOR APPROVAL OF THE STRUCTURES ENGINEER. THE CONTRACTOR SHALL ALSO PROVIDE CERTIFICATION THAT THE SPECIFIED CONNECTOR MEETS THE REQUIRED STRENGTH PROVISIONS OF AASHTO SECTION 8.32.2. THE COST OF SUPPLYING AND PLACING THE CONNECTOR SHALL BE PAID UNDER ITEM 507.19, "MECHANICAL BAR CONNECTOR".
 - STEPS IN PIER CAP SEAT SHALL BE EQUIDISTANT BETWEEN STRINGERS.
 - REPAIR ALL EXISTING SPALLED AND DELAMINATED AREAS AND PLACE FIBER-REINFORCED POLYMER (FRP) COLUMN WRAP AT EACH OF THE PIER COLUMNS. CONCRETE REPAIR AND FRP WRAP SHALL BE PERFORMED IN ACCORDANCE WITH THE DETAILS SHOWN ON SUBSTRUCTURE REPAIR DETAILS AND NOTES, BRIDGE SHEET C-45.

- KEY**
- NF NEAR FACE
 - FF FAR FACE
 - EF EACH FACE
 - ▲ REINFORCEMENT TO BE CUT TO FIT IN THE FIELD

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	MIDDLESEX-BOLTON	Bridge No.	43N&S
Highway No.	I-89	Log Sta.	
		Surv. Sta.	
I-89 OVER U.S. ROUTE 2			
PIER CAP MASONRY & REINFORCEMENT (43N&S)			
Designed By	P.W. SZUSTAK	Drawn By	R.A. BOTZENHART
Checked By	J.P. HALSTEAD	Date	10/99
		Bridge Design Supervisor	J.P. HALSTEAD Date 10/99
PROJECT	MIDDLESEX-BOLTON	PROJECT NO.	IM-089-2(26)
TVGA CAD Drawing No.	43piermas	Date	10/99
Bridge Sheet No.	BR43-13	Sheet	59 of 307