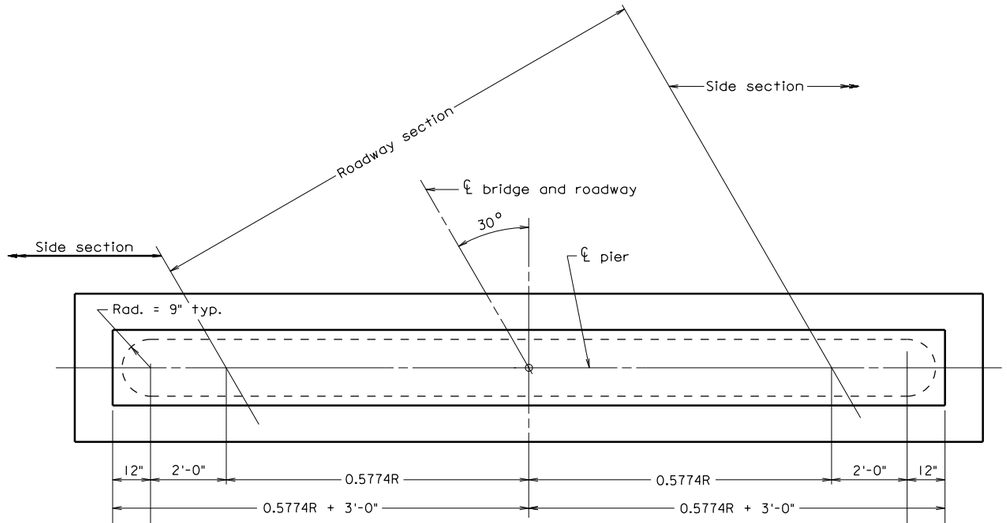
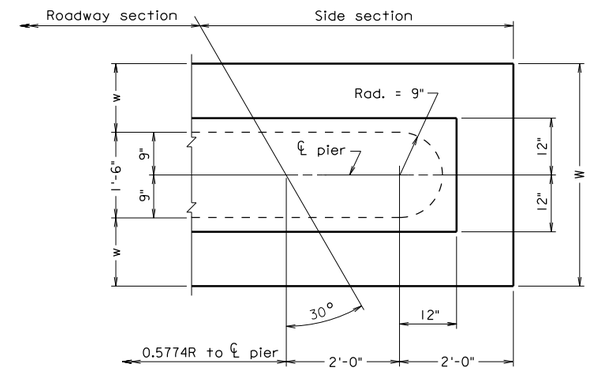
STATE	FEDERAL AID ROUTE	FEDERAL AID PROJECT	STATE ROUTE	STATE PROJECT	SHEET NO.
VA.	—				



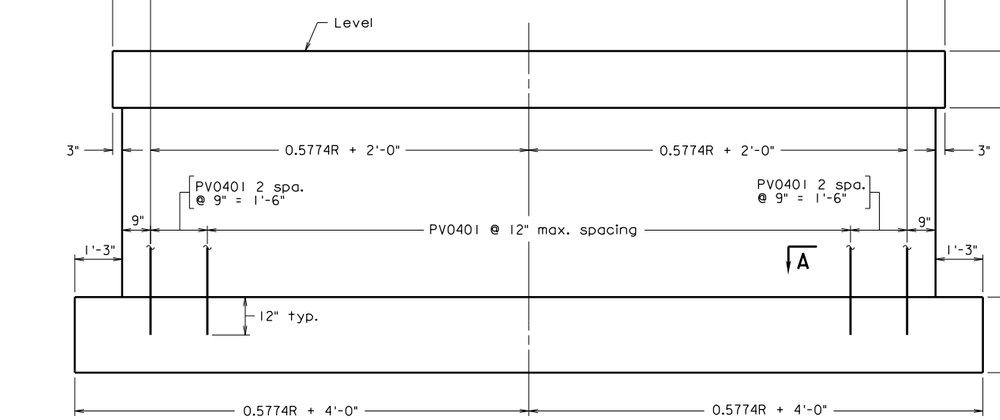
PLAN



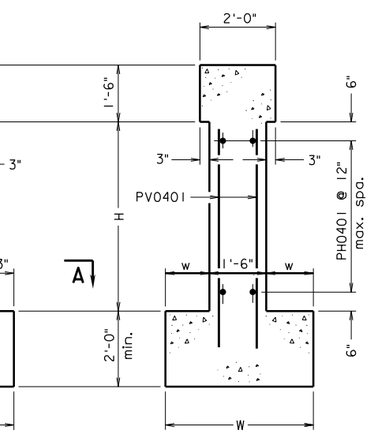
DETAIL OF PIER NOSE

Note:

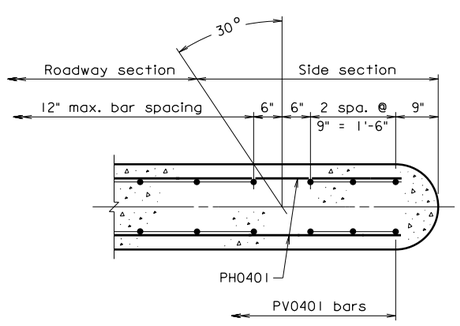
3/4" ø x 1'-6" plain steel dowels (max. spacing 2'-0" c-c) shall be placed at fixed bearings.



ELEVATION

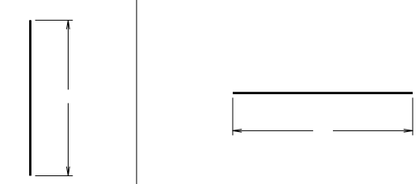


SECTION ON ℄



SECTION A-A

REINFORCING STEEL SCHEDULE



Mark	No.	Size	Pin ø	Length	Location
PH0401	·	#4	·	·	·
PV0401	·	#4	·	·	·
·	·	·	·	·	·
·	·	·	·	·	·

DIMENSION DATA
R =
H =
W =
w =

No.	Description	Date

Revisions

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION

PIERS

Designed: .....
Drawn: .....
Checked: .....

Date	Plan No.	Sheet No.
	CS-P-30	

csp30.dgn

06-14-2010

CS-P-30

Sealed and Signed by:
Julius F.J. Volgyi Jr.
Lic. No. 010487
On the date of
June 14, 2010

A copy of the original sealed and signed standard drawing is on file in the Central Office.

VDOT S&B DIVISION
RICHMOND, VA
STRUCTURAL ENGINEER

Not to scale

©2010, Commonwealth of Virginia

CAST-IN-PLACE CONCRETE SLAB SPANS

PIERS
30° SKEW

NOTES TO DESIGNER:

Standard to be used when piers are on spread footings.

Standard is for: 30° skew

TABLE OF DIMENSIONS AND QUANTITIES									
H	w	W	Roadway Section						
			PV0401		PH0401		Neat		Footing
			*No.	Length	No.	Length	CY	LB	CY
4'-0"	1'-2"	3'-10"	2.31(R+2)	5'-0"	8	1.15R +4'-0"	0.385R	13.9R +28	0.328R
5'-0"	1'-2 $^1/_2$"	3'-11"	2.31(R+2)	6'-0"	10	1.15R +4'-0"	0.449R	17.0R +35	0.335R
6'-0"	1'-3"	4'-0"	2.31(R+2)	7'-0"	12	1.15R +4'-0"	0.513R	20.1R +41	0.342R
7'-0"	1'-3 $^1/_2$"	4'-1"	2.31(R+2)	8'-0"	14	1.15R +4'-0"	0.577R	23.1R +48	0.349R
8'-0"	1'-4"	4'-2"	2.31(R+2)	9'-0"	16	1.15R +4'-0"	0.642R	26.2R +55	0.356R
9'-0"	1'-4 $^1/_2$"	4'-3"	2.31(R+2)	10'-0"	18	1.15R +4'-0"	0.706R	29.3R +61	0.363R
10'-0"	1'-5"	4'-4"	2.31(R+2)	11'-0"	20	1.15R +4'-0"	0.770R	32.4R +68	0.370R
11'-0"	1'-5 $^1/_2$"	4'-5"	2.31(R+2)	12'-0"	22	1.15R +4'-0"	0.834R	35.5R +75	0.377R
12'-0"	1'-6"	4'-6"	2.31(R+2)	13'-0"	24	1.15R +4'-0"	0.898R	38.6R +81	0.384R
13'-0"	1'-6 $^1/_2$"	4'-7"	2.31(R+2)	14'-0"	26	1.15R +4'-0"	0.962R	41.7R +88	0.391R
14'-0"	1'-7"	4'-8"	2.31(R+2)	15'-0"	28	1.15R +4'-0"	1.027R	44.7R +95	0.399R

2-Side Sections					
H	PV0401		Neat		Footing
	No.	Length	CY	LB	CY
4'-0"	12	5'-0"	1.8	40	2.3
5'-0"	12	6'-0"	2.1	50	2.3
6'-0"	12	7'-0"	2.4	60	2.4
7'-0"	12	8'-0"	2.7	60	2.4
8'-0"	12	9'-0"	3.0	70	2.5
9'-0"	12	10'-0"	3.3	80	2.5
10'-0"	12	11'-0"	3.5	90	2.6
11'-0"	12	12'-0"	3.8	100	2.6
12'-0"	12	13'-0"	4.1	100	2.7
13'-0"	12	14'-0"	4.4	110	2.7
14'-0"	12	15'-0"	4.7	120	2.8

*Round number of bars to next highest whole number.

CAST-IN-PLACE CONCRETE SLAB SPANS

PIERS
30° SKEW

NOTES TO DESIGNER(cont'd):

ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:

PROJECT/TITLE BLOCKS:

Project block and title block shall be completed in accordance with Manual of the Structure and Bridge Division, Volume V – Part 2, Chapter 4.

DIMENSION DATA:

Enter R, H, W and w dimensions in the DIMENSION DATA table.

REINFORCING STEEL SCHEDULE:

Enter No. and Length of PH0401 and PV0401 bars into the table.