



FED. ROAD REG. NO.	STATE	FEDERAL AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
I	N.Y.	0146001	31	92
BENNINGTON CONNECTOR S.H. 98-2				
P.I.N. 1306.60				
WHITEHOUSE BRIDGE - VERMONT STATE LINE S.H. 1426				
RENSSELAER COUNTY				

HORIZONTAL CONTROL TABLE				
HCL POINT	COORDINATES		HCL STATION	DESCRIPTION
	NORTH	EAST		
S.H. 1426 AND S.H. 98-2				
BEGIN	42449.694	435000.301	42+840.000	BEGIN S.H. 1426
P.C. W.B. 1	42452.263	435058.798	42+898.553	P.C. CURVE W.B. 1
P.I. W.B. 1	42453.927	435096.690	42+936.481 BK.= 42+936.290 AHD.	P.I. CURVE W.B. 1
P.T. W.B. 1	42449.009	435134.298	42+974.218	P.T. CURVE W.B. 1
T.S. W.B. 2	42443.698	435174.904	43+015.170	T.S. CURVE W.B. 2
S.C. W.B. 2	42437.630	435230.564	43+071.170	S.C. CURVE W.B. 2
P.I. W.B. 2	42416.974	435379.249	43+221.255 BK.= 43+202.942 AHD.	P.I. CURVE W.B. 2
P.O.L.	42457.019	435390.530	43+233.243	EQUALITY - S.H. 1426 STA. 43+233.243 BK.= S.H. 1426 STA. 143+233.243 AHD.
P.O.L.	42457.019	435390.530	43+233.243	EQUALITY - S.H. 1426 STA. 43+233.243 BK.= S.H. 98-2 STA. 43+233.243 AHD.
P.O.C.	42471.524	435429.670	43+275.000	END S.H. 98-2 RECONSTRUCTION
C.S. W.B. 2	42508.375	435498.329	43+353.027	C.S. CURVE W.B. 2
S.T. W.B. 2	42541.143	435543.728	43+409.027	S.T. CURVE W.B. 2
T.S. W.B. 3	42711.682	435769.632	43+692.076	T.S. CURVE W.B. 3
S.C. W.B. 3	42745.940	435813.927	43+748.076	S.C. CURVE W.B. 3
P.I. W.B. 3	42854.156	435958.359	43+928.543 BK.= 43+919.395 AHD.	P.I. CURVE W.B. 3
P.O.L.	42906.356	435963.820	43+968.317	EQUALITY OVER FARMERS INN ROAD
C.S. W.B. 3	43019.616	436030.431	44+099.862	C.S. CURVE W.B. 3
S.T. W.B. 3	43070.606	436053.575	44+155.862	S.T. CURVE W.B. 3
P.O.L.	43215.088	436117.132	44+313.705	EQUALITY OVER DAILEY ACCESS ROAD
T.S. W.B. 4	43441.862	436216.890	44+561.451	T.S. CURVE W.B. 4
S.C. W.B. 4	43492.852	436240.034	44+617.451	S.C. CURVE W.B. 4
P.I. W.B. 4	43623.642	436296.855	44+760.042 BK.= 44+754.943 AHD.	P.I. CURVE W.B. 4
C.S. W.B. 4	43718.917	436402.956	44+897.534	C.S. CURVE W.B. 4
S.T. W.B. 4	43757.002	436444.007	44+953.534	S.T. CURVE W.B. 4
P.O.L.	43892.063	436593.036	45+154.659	EQUALITY - STA. 45+154.659 BK. (NEW YORK) = STA. 12+130.455 AHD. (VERMONT) END S.H. 98-2
S.H. 1426 (STEM SECTION)				
BEGIN / P.C. 1	42457.019	435390.530	143+233.243	BEGIN S.H. 1426 (STEM SECTION)/ P.C. CURVE 1
P.I. 1	42415.112	435436.398	143+295.373 BK.= 143+291.592 AHD.	P.I. CURVE 1
P.T. 1	42406.571	435497.938	143+353.722	P.T. CURVE 1
END	42361.719	435821.118	143+680.000	END S.H. 1426

HORIZONTAL CURVE DATA

S.H. 1426

CURVE W.B. 1
P.C.= STA.42+898.553
P.T.= STA.42+974.218
 $\Delta=09^{\circ}57'58.1''$
R= 435.000 m
T= 37.928 m
L= 75.665 m
E= 1.650 m
 $E_{max}=0.060$ DN. RT.

CURVE W.B. 2
T.S.= STA.43+015.170
S.C.= STA.43+071.170
C.S.= STA.43+353.027
S.T.= STA.43+409.027
 $\Delta=44^{\circ}30'02.5''$
R= 435.000 m
 $\Delta c=37^{\circ}07'28.9''$
Lc= 281.857 m
Ts= 206.085 m
Ls= 56.000 m
 $\Theta s=03^{\circ}41'16.8''$
 $E_{max}=0.060$ DN. LT.

CURVE 1
P.C.= STA. 143+233.243
P.T.= STA. 143+353.722
 $\Delta=34^{\circ}30'52.9''$
R= 200.000 m
T= 62.130 m
L= 120.479 m
E= 9.428 m
 $E_{max}=0.060$ DN. LT.

S.H. 98-2

CURVE W.B. 2
T.S.= STA.43+015.170
S.C.= STA.43+071.170
C.S.= STA.43+353.027
S.T.= STA.43+409.027
 $\Delta=44^{\circ}30'02.5''$
R= 435.000 m
 $\Delta c=37^{\circ}07'28.9''$
Lc= 281.857 m
Ts= 206.085 m
Ls= 56.000 m
 $\Theta s=03^{\circ}41'16.8''$
 $E_{max}=0.060$ DN. LT.

CURVE W.B. 3
T.S.= STA.43+692.076
S.C.= STA.43+748.076
C.S.= STA.44+099.862
S.T.= STA.44+155.862
 $\Delta=29^{\circ}12'19.8''$
R= 800.000 m
 $\Delta c=25^{\circ}11'41.4''$
Lc= 351.786 m
Ts= 236.467 m
Ls= 56.000 m
 $\Theta s=02^{\circ}00'19.3''$
 $E_{max}=0.049$ DN. LT.

CURVE W.B. 4
T.S.= STA.44+561.451
S.C.= STA.44+617.451
C.S.= STA.44+897.534
S.T.= STA.44+953.534
 $\Delta=24^{\circ}04'12.6''$
R= 800.000 m
 $\Delta c=20^{\circ}03'34.1''$
Lc= 280.083 m
Ts= 198.591 m
Ls= 56.000 m
 $\Theta s=02^{\circ}00'19.3''$
 $E_{max}=0.049$ DN. RT.

HORIZONTAL
AND
VERTICAL
CONTROLS

SURVEYED BY	C.H.A. & V.S.E.	DATE	12/93
DESIGNED BY	D.W.E.	DATE	2/04
DRAWN BY	C.A.K.	DATE	2/04
CHECKED BY	T.P.K.	DATE	2/04
DESIGN FILE NO. NYHVC-1DGN			
PROJ. NAME	BENNINGTON - HOOSICK D.P.I. 0146(1) C/1		
PROJ. NO.	P.I.N. 1306.60		
SHEET 31 OF 92	DWG NO. HVC-1		