

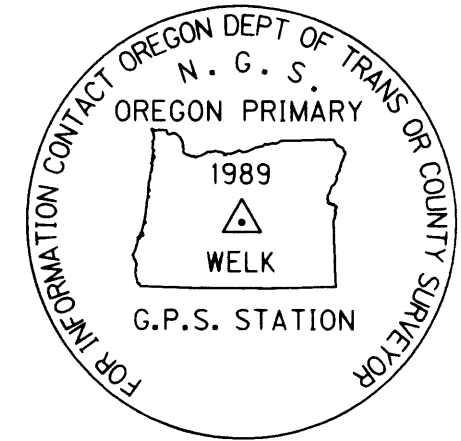
NE 1/4 SEC 21, T 22 S, R 7 W, WM  
NW 1/4 SEC 22, T 22 S, R 7 W, WM

PROJECT CONTROL  
POSITIONS AND COORDINATES

STATION NAME	LAT. '83 (CORS96) (NORTH)	LONG. '83 (CORS96) (WEST)	ELLIPSE HEIGHT (IF)	OCS (IF) NORTHING	OCS (IF) EASTING	LDP (IF) NORTHING	LDP (IF) EASTING	NAVD88 ORTHO. EL. (IF)	GEOIDAL SEPARATION (IF)	CONVERGENCE ANGLE	SCALE FACTOR	COMBINED FACTOR
1	43°38'36.99132"	123°31'57.05254"	59.93	735026.66	4118744.13	735081.52	4119051.52	136.46	-76.52	-2°04'28.9"	0.99992894	0.99992608
2	43°38'39.65779"	123°31'51.08069"	67.07	735280.57	4119192.70	735335.44	4119500.12	143.59	-76.51	-2°04'24.8"	0.99992905	0.99992584
3	43°38'40.56627"	123°31'48.06877"	73.85	735364.48	4119417.33	735419.36	4119724.77	150.36	-76.50	-2°04'22.7"	0.99992908	0.99992555
4	43°38'41.29968"	123°31'43.53555"	77.66	735426.63	4119753.11	735481.52	4120060.57	154.16	-76.49	-2°04'19.6"	0.99992911	0.99992540
5	43°38'41.77780"	123°31'39.69787"	79.08	735464.81	4120036.84	735519.70	4120344.32	155.56	-76.49	-2°04'17.0"	0.99992913	0.99992535
6	43°38'42.59217"	123°31'31.69471"	88.22	735525.95	4120627.86	735580.84	4120935.39	164.69	-76.47	-2°04'11.5"	0.99992917	0.99992495
7	43°38'45.33052"	123°31'27.64977"	86.02	735792.28	4120935.08	735847.19	4121242.63	162.47	-76.46	-2°04'08.8"	0.99992928	0.99992517
8	43°38'51.25457"	123°31'21.93692"	67.07	736376.53	4121376.48	736431.49	4121684.07	143.52	-76.44	-2°04'04.9"	0.99992952	0.99992631
9	43°38'52.97964"	123°31'16.77865"	70.95	736537.39	4121761.78	736592.36	4122069.39	147.39	-76.43	-2°04'01.3"	0.99992959	0.99992620
10	43°38'53.24797"	123°31'08.98131"	73.66	736543.87	4122335.65	736598.84	4122643.31	150.08	-76.42	-2°03'56.0"	0.99992960	0.99992608
11	43°38'54.28397"	123°30'59.72494"	67.38	736624.18	4123019.52	736679.16	4123327.23	143.77	-76.40	-2°03'49.7"	0.99992964	0.99992642
12	43°38'54.83227"	123°30'56.84561"	67.59	736672.04	4123233.07	736727.01	4123540.80	143.98	-76.39	-2°03'47.7"	0.99992966	0.99992643
13	43°38'58.70927"	123°31'28.88729"	144.04	737149.26	4120893.06	737204.27	4121200.61	220.50	-76.46	-2°04'09.6"	0.99992982	0.99992293
14	43°39'01.50880"	123°31'30.73435"	177.06	737437.42	4120767.60	737492.46	4121075.14	253.52	-76.46	-2°04'10.9"	0.99992993	0.99992147
15	43°38'54.61814"	123°31'28.16627"	108.80	736733.39	4120931.08	736788.38	4121238.64	185.25	-76.46	-2°04'09.1"	0.99992965	0.99992445
16	43°38'34.40131"	123°32'04.77213"	91.80	734785.16	4118167.41	734840.00	4118474.76	168.34	-76.54	-2°04'34.2"	0.99992884	0.99992445
17	43°38'58.07729"	123°30'49.85861"	80.55	736880.71	4123754.61	736935.70	4124062.37	156.93	-76.37	-2°03'42.9"	0.99992975	0.99992590
100	43°38'35.06743"	123°32'02.30292"	80.80	734845.98	4118351.29	734900.82	4118658.65	157.34	-76.54	-2°04'32.5"	0.99992886	0.99992500
101	43°38'31.74286"	123°32'12.66646"	125.78	734537.21	4117577.58	734592.03	4117884.89	202.34	-76.56	-2°04'39.6"	0.99992873	0.99992272
102	43°38'24.40866"	123°32'31.62314"	205.69	733845.70	4116157.69	733900.47	4116464.88	282.29	-76.59	-2°04'52.5"	0.99992844	0.99991861
103	43°38'21.43488"	123°32'36.38515"	229.45	733557.53	4115796.82	733612.28	4116103.99	306.05	-76.60	-2°04'55.8"	0.99992832	0.99991735
104	43°38'17.99151"	123°32'40.11498"	251.25	733219.09	4115510.07	733273.82	4115817.22	327.86	-76.61	-2°04'58.3"	0.99992818	0.99991617
500	43°38'46.30426"	123°31'24.64440"	123.49	735882.83	4121159.46	735937.75	4121467.03	199.94	-76.45	-2°04'06.7"	0.99992932	0.99992341
WELK	43°38'37.77104"	123°34'57.22596"	69.28	735589.10	4105508.37	735644.00	4105814.77	146.16	-76.88	-2°06'32.1"	0.99992928	0.99992566

FILED  
Date: 1-15-2009 By: J.C.  
This survey consists of:  
Map ST HWY 38-017 A-I  
Narrative:  
Corner Rpt:

DOUGLAS COUNTY  
SURVEYOR



WELK

IF DENOTES INTERNATIONAL FEET

SN DENOTES SURVEY NO., DOUGLAS  
COUNTY SURVEY RECORDS

PROJECT CONTROL  
DESCRIPTIONS

STATION NAME	DESCRIPTION
1	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
2	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
3	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
4	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
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6	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
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9	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
10	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
11	Found 5/8" Iron Rod w/ 1-1/2" Brass Cap Inscribed "ODOT CONTROL *4, PLS 2163, 2006, 01465" SN 38-001
12	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
13	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
14	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
15	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
16	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
17	Found 5/8" Iron Rod w/ 1-1/2" Brass Cap Inscribed "ODOT CONTROL *4, PLS 2163, 2006, 01465" SN 38-001
100	Found 5/8" Iron Rod (No Cap) ORIGIN UNKNOWN
101	Found Square Iron Rod w/ 1-1/2" Aluminum Cap Inscribed "ODOT HORIZ. CONTROL *5" SN 38-002
102	Found Square Iron Rod w/ 1-1/2" Aluminum Cap Inscribed "ODOT HORIZ. CONTROL *7" SN 38-002
103	Found Punched Square Iron Rod (No Cap) SN 38-002
104	Found Square Iron Rod w/ 1-1/2" Aluminum Cap Inscribed "ODOT HORIZ. CONTROL *9" SN 38-002
500	Set 5/8" x 30" Iron Rod w/ 1-1/4" Red Plastic Cap Inscribed "OTAK CONTROL"
WELK	Found 4" Brass Disk Set In Concrete, Inscribed "NGS 1989 WELK" (See Sketch)

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*John A. Carlson*

OREGON  
JULY 15, 1983  
JOHN A. CARLSON  
2044

RENEWS 12/31/09



FILE NAME: 14221\_01601RET.DGN

OREGON DEPARTMENT OF TRANSPORTATION  
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT SURVEY  
FOR ODOT THROUGH THE OREGON BRIDGE DELIVERY PARTNERS (OBDP)  
OR 38: ELK CR. - HARDCRABBLE CR. (D/B) - BUNDLE 401.  
DOUGLAS COUNTY, OREGON



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DECEMBER 12, 2008  
KEY NO. 14221  
PROJ. NO. 13855-9  
NO SCALE  
SHEET 3 OF 9

ST. HWY. 38-017C