

LOCATION HORIZONTAL CONTROL SURVEY AND RECOVERY MAP FOR THE OREGON DEPARTMENT OF TRANSPORTATION

NARRATIVE :

The purpose of this survey was to establish control for a highway project named "Elk Creek - Brush Creek Rd. (Tunnel)". The primary traverse is to the west of the existing tunnel and uses point numbers 1-13. This traverse had a precision of 1:77771. Three secondary traverses were run using this primary traverse for control. One traverse is to the west, point numbers 40 - 43, and had a precision of 1:2885116. Two traverses are to the east using point numbers 21-31 and 50-55 and had precisions of 1:283323 and 1:169567, respectively. These precisions are after angular adjustment. The equipment used was a Wild T2000 Total Station.

The Basis of Bearing is from two found R/W monuments to the west (point numbers 1010 and 1006). The bearing of N 82° 58' E was assigned to this line as per ODOT R/W Map 4B - 16 - 12. Coordinates are assumed.

The section lines shown were digitized from an assessor's map.

The survey was started April, 1989, and was finished June, 1992.

The surveys meet Third Order, Class 1 specifications.

In the NW¹/₄ and the NE¹/₄ of Section 22
 The SE¹/₄ and the NE¹/₄ of Section 15
 The SW¹/₄ and the NW¹/₄ and the NE¹/₄ of Section 14
 The SE¹/₄ of Section 11
 And the SW¹/₄ of Section 12
 T 22 S, R 7 W, WM Douglas County, Oregon

Note: Coordinates Are Assumed

HORIZONTAL CONTROL COORDINATE TABLE

PT. #	DESCRIPTION	COORDINATES	PT. #	DESCRIPTION	COORDINATES	PT. #	DESCRIPTION	COORDINATES
1	Fnd. 1/4 Cor. - S 15/S 22 2 1/2" Brass Disc on 1/4" Galv. Pipe Stamped: Douglas County Surveyor 0.8' Above Ground - Good Cond.	N 10681.43 E 11205.80	40	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 40" 0.1 feet below surface.	N 10095.10 E 10547.63	1012	R/W Pin Fnd. 1/2" I. Rod Flush With Surface - Good Cond. "L" Sta. 1203+34.50 (40.0 Rt.)	N 9989.68 E 9834.55
2	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 2" 0.2 feet below surface.	N 10258.12 E 11149.42	41	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 41" 0.5 feet below surface.	N 10043.87 E 10142.47	1013	Fnd. 1/4 Corner - S15/S14 3/4" Brass Disc On 2 1/2" Pipe 0.2' Above Surface - (Bent .2' East) Cap Stamped: U.S. Dept. Of The Interior	N 13024.03 E 13505.87
3	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 3" 0.2 feet below surface.	N 10450.61 E 11688.55	42	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 42" 0.2 feet below surface.	N 10007.90 E 9838.79	1014	R/W Pin Fnd. 1/2" I. Rod 0.7' Below Surface - Good Cond. "L" Sta. 1261+00 (70.0 Rt.)	N 13132.45 E 13830.36
4	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 4" 0.1 feet below surface.	N 10861.18 E 12042.70	43	Set Hub & Tack	N 10099.51 E 10597.90	1020	Auxiliary Pt. Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: O.S.H.D. - 0.2' Below Surface	N 15801.26 E 18615.10
5	Set 1/2" sq.x 30" Iron Rod w/1 1/2" Alum Cap stamped "OSHD HORIZ CONTROL 5" 0.3 feet below surface.	N 11768.66 E 12255.78	50	Set Hub & Tack	N 13499.03 E 14634.26	1021	Auxiliary Pt. Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: O.S.H.D. - 0.2' Below Surface	N 16814.75 E 20163.27
6	Set P.K. Nail	N 12334.74 E 12554.68	51	Set Hub & Tack	N 13665.37 E 14964.14	1022	R/W Pin Fnd. 1/2" I. Rod 3.0' Below Surface - Fair Cond. "L" Sta. 1269+81.2 PC (70.0 Rt.)	N 13454.52 E 14650.75
7	Set Hub & Tack	N 11551.77 E 12229.32	52	Set Hub & Tack	N 14111.13 E 15572.00	1023	R/W Pin Fnd. 1/2" I. Rod 0.1' Below Surface - Fair Cond. "L" Sta. 1269+81.2 PC (40.0 Lt.)	N 13556.65 E 14610.44
8	Set Hub & Tack	N 10951.61 E 12083.63	54	Set Hub & Tack	N 14998.09 E 16921.92	1024	R/W Pin Fnd. 1/2" I. Rod 1.5' Below Surface - Fair Cond. "L" Sta. 1273+50.0 (80.0 Rt.)	N 13620.39 E 14997.44
9	Set Hub & Tack	N 10727.45 E 12120.67	55	Set P.K. Nail	N 15507.28 E 18064.08	1025	R/W Pin Fnd. 1/2" I. Rod Flush With Surface - Poor Cond. "L" Sta. 1281+00.0 (60.0 Rt.)	N 14085.83 E 15592.08
10	Fnd. 3/8" I. Rod w/1 1/4" Plastic Cap Stamped: Oregon State Parks 0.1' Below Surface - Good Cond.	N 10562.18 E 12087.73	1000	R/W Pin Fnd. 1/2" I. Rod 0.7' Below Surface - Fair Cond. "L" Sta. 1219+00 (40.0 Lt.)	N 10286.47 E 11168.18	1026	R/W Pin Fnd. 1/2" I. Rod 1.5' Below Surface - Fair Cond. "L" Sta. 1282+50.0 (60.0 Rt.)	N 14175.61 E 15712.10
11	Set Hub & Tack	N 10406.80 E 11805.54	1001	R/W Pin Fnd. 1/2" I. Rod 0.2' Above Surface - Good Cond. "L" Sta. 1219+00 (50.0 Lt.)	N 10295.96 E 11164.76	1027	R/W Pin Fnd. 1/2" I. Rod 0.5' Below Surface - Fair Cond. "L" Sta. 1277+00.0 (55.0 Rt.)	N 13848.53 E 15270.23
12	Set Hub & Tack	N 10302.43 E 11422.41	1002	R/W Pin Fnd. 1/2" I. Rod 0.1' Above Surface - Good Cond. "L" Sta. 1219+00 (50.0 Rt.)	N 10200.21 E 11193.24	1028	R/W Pin Fnd. 1/2" I. Rod Flush With Surface - Fair Cond. "L" Sta. 1295+89.8 (40.0 Lt.)	N 14968.27 E 16793.19
13	Set Hub & Tack	N 10229.40 E 11018.52	1003	R/W Pin Fnd. 1/2" I. Rod 0.6' Above Surface - Good Cond. "L" Sta. 1219+00 (60.0 Rt.)	N 10190.34 E 11196.00	1029	R/W Pin Fnd. 1/2" I. Rod 1.0' Below Surface - Fair Cond. "L" Sta. 1295+89.8 (40.0 Rt.)	N 14896.28 E 16827.43
18	Fnd. 2 1/2" Brass Disc On 1 1/4" Pipe Stamped: WC S15/S22 T22S R7W County Surveyors Office 1962 1.25' Above Ground - Good Cond.	N 10683.65 E 12177.65	1004	R/W Pin Fnd. 1/2" I. Rod 0.4' Above Surface - Good Cond. "L" Sta. 1213+00 (40.0 Lt.)	N 10162.91 E 10587.93	1030	Railroad R/W Pin Fnd. 1/2" Hex I. Rod 1.5' Below Surface - Fair Cond. Old RR R/W (Rt.)	N 14868.67 E 16952.17
21	Set P.K. Nail	N 12794.42 E 13009.50	1005	R/W Pin Fnd. 1/2" I. Rod 0.5' Above Surface - Good Cond. "L" Sta. 1213+00 (50.0 Rt.)	N 10073.88 E 10599.79	1031	Railroad R/W Pin Fnd. 1/2" Hex I. Rod 0.2' Below Surface - Fair Cond. Old RR R/W (Lt.)	N 15050.05 E 16868.60
22	Fnd. 3" Brass Disc In NW Corner Of Bridge Over Elk Cr. On East Side Of Tunnel Stamped: USGS	N 13107.97 E 13538.63	1006	R/W Pin Fnd. 1/2" I. Rod 0.3' Above Surface - Good Cond. "L" Sta. 1207+00 (50.0 Rt.)	N 10024.49 E 10198.50	1032	Railroad R/W Pin Fnd. 3/8" I. Rod Flush With Surface - Fair Cond. Old RR R/W (Lt.)	N 15619.32 E 17886.86
23	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - 0.2' Below Surface	N 13202.10 E 13889.88	1007	R/W Pin Fnd. 1/2" I. Rod 0.4' Above Surface - Good Cond. "L" Sta. 1207+00 (40.0 Lt.)	N 10113.88 E 10187.44			
24	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - Flush With Surface	N 13567.96 E 14793.25	1008	R/W Pin Fnd. 1/2" I. Rod 0.2' Above Surface - Good Cond. "L" Sta. 1207+00 (50.0 Lt.)	N 10123.36 E 10186.64			
25	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - Flush With Surface	N 14531.26 E 16071.80	1009	R/W Pin Fnd. 1/2" I. Rod 0.2' Above Surface - Good Cond. "L" Sta. 1205+00 (40.0 Rt.)	N 10009.77 E 9998.92			
26	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - 0.4' Below Surface	N 14833.28 E 16588.06	1010	R/W Pin Fnd. 1/2" I. Rod 0.2' Above Surface - Good Cond. "L" Sta. 1205+00 (50.0 Rt.)	N 10000.00 E 10000.00			
27	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - 0.2' Below Surface	N 15545.26 E 18067.04	1011	R/W Pin Fnd. 1/2" I. Rod 0.4' Above Surface - Fair Cond. "L" Sta. 1203+34.50 (40.0 Lt.)	N 10068.85 E 9824.85			
28	Set Railroad Spike In A.C.	N 14696.91 E 16346.14						
29	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - 0.3' Below Surface	N 13549.21 E 14751.84						
30	Set 3/8"x30" I. Rod w/1 1/2" Alum. Cap Stamped: OSHD - 0.2' Below Surface	N 13104.71 E 13530.01						
31	Set P.K. Nail	N 12775.62 E 12986.10						

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Roger E. Patitz

OREGON
 JULY 11 1989
 ROGER E. PATITZ
 306

OREGON DEPARTMENT OF TRANSPORTATION
 3099 N.E. DIAMOND LAKE BLVD., ROSEBURG, OR 97470

ELK CREEK - BRUSH CREEK (TUNNEL) HORIZONTAL CONTROL MAP

COUNTY: DOUGLAS HIGHWAY: DRAIN - ELKTON
 COORDINATES: ASSUMED EA: C0101807
 BEARINGS: ODOT R/W Map 4B-16-12 KEY NO.: 03470
 DESIGNER: BOB PAPPE PROJECT MANAGER: ROGER E. PATITZ, P.L.S.
 CADD FILE LOCATION: R3220: /usr/r3/projects/03470/03470cm.dgn

SCALE: ONE INCH EQUALS 200 FEET

JULY 1992