

NETWORK/TRVERSE POINT COORDINATE TABLE

PT. NO.	LDP NORTHING	LDP EASTING	DATE	DESCRIPTION
POST	127544.122	382970.062	9-20-01	FND. 2 3/4" BRASS DISK IN CONC. STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE POST 146+04.16", FLUSH WITH SURFACE, GOOD CONDITION (REF. ODOT DRG. NO. 8B-30-20)
G454	127739.175	383289.188	9-20-01	FND. 3" BRASS DISK IN CONC. STAMPED "STATE HIGHWAY DEPARTMENT BENCH MARK ELEVATION ABOVE MEAN SEA LEVEL FEET G454 1953", FLUSH W/SURFACE, GOOD CONDITION.
4	127438.282	382724.585	9-20-01	FND. 2 3/4" BRASS DISK SET IN CONC. STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE PT 40.00 154+80.52", 240 mm BELOW SURFACE, GOOD CONDITION (REF. ODOT DRG. NO. 8B-30-20)
5	127619.817	383098.757	9-20-01	FND. PREVIOUSLY SET 13 mm SQ. IRON ROD WITH A 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 5", FLUSH WITH SURFACE, GOOD CONDITION, ORANGE CARSONITE POST NEARBY
10	128051.589	383563.578	9-20-01	FND. 2 3/4" BRASS DISK IN CONC. STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE POST 120+41.50", FLUSH WITH SURFACE, GOOD CONDITION (REF. ODOT DRG. NO. 8B-30-20)
11	127887.304	383427.030	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 11"
12	127613.732	383009.008	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 12"
13	127458.247	382717.038	9-20-01	FND. 2 3/4" BRASS DISK IN CONC. STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE PT 30.00 154+80.52", 140 mm BELOW SURFACE, GOOD CONDITION (REF. ODOT DRG. NO. 8B-30-20)
14	127508.753	382722.082	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 14"
15	127479.114	382640.292	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 15".
16	127348.843	382524.644	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 16" STABILIZED IN CONC. 300 mm WIDE BY 700 mm DEEP.
17	127261.913	382313.558	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 17" STABILIZED IN CONC. 200 mm WIDE BY 460 mm DEEP.
18	127357.492	382275.316	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 18" STABILIZED IN CONC. 200 mm WIDE BY 460 mm DEEP.
19	127416.230	382238.387	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm BRASS CAP STAMPED "ODOT CONTROL 19".
20	127501.001	382242.685	9-20-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 20".
21	127614.475	382272.009	9-24-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 21".
22	127714.094	382296.829	9-24-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 22".
23	127736.714	382315.031	9-24-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 23".
24	127776.969	382365.670	9-24-01	SET 16 mm X 762 mm IRON REBAR WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 24".
45	128260.193	383678.550	9-20-01	FND. 2 3/4" BRASS DISK IN CONC. STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE PS 30.00 112+60.52", FLUSH W/SURFACE, GOOD CONDITION (REF. ODOT DRG. NO. 8B-30-20).
514	127504.898	382898.841	9-20-01	FND. PREVIOUSLY SET 13 mm SQ. IRON ROD WITH 38 mm ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 514", 40 mm BELOW SURFACE, GOOD CONDITION.

FILED
 Date: 12/3/2001 By: JP
 This survey consists of: 5 SHEETS
 Map: ST. HWY. I-5-011B
 Narrative:
 Corner Rpt:

DOUGLAS COUNTY
 SURVEYOR

CONFIDENCE LEVEL LIMITS

POINT ID	SEMI MAJOR	SEMI MINOR	ORIENTATION*
G454	0.003	0.001	142°43'21"
4	0.004	0.001	156°02'06"
5	0.002	0.001	145°28'40"
11	0.003	0.001	138°15'19"
12	0.001	0.001	142°21'45"
13	0.004	0.001	160°10'56"
14	0.005	0.002	162°16'19"
15	0.005	0.002	163°27'31"
16	0.007	0.002	154°40'08"
17	0.011	0.001	155°09'24"
18	0.011	0.002	164°55'53"
19	0.012	0.002	171°15'52"
20	0.011	0.003	179°33'23"
21	0.011	0.006	12°21'12"
22	0.011	0.008	31°20'46"
23	0.011	0.008	38°10'11"
24	0.011	0.009	60°04'38"
45	0.006	0.002	120°57'08"
514	0.002	0.001	148°46'33"

* NORTH AZIMUTH

RETRACEMENT NARRATIVE

FOR ALL RETRACEMENT CALCULATIONS REFER TO ODOT DRG. NO. 8B-30-20.

THE I-5 NORTHBOUND RIGHT OF WAY LINE ("NB") WAS RETRACED BY CALCULATING A PROPORTIONED SPLIT BETWEEN FOUND MONUMENTS 1000 AND 45 (REFERENCE POINTS AT ENGLISH STATION 112+60.52 P.S.); THIS SPLIT WAS THEN CONNECTED TO FOUND MONUMENT 10, A POINT ON THE SPIRAL TANGENT, TO FORM THE FIRST TANGENT. ANOTHER PROPORTIONED SPLIT WAS CALCULATED BETWEEN FOUND MONUMENTS 4 AND 13 (R.P.S AT ENGLISH STATION 154+80.52 P.T.), AND THEN CONNECTED TO "POST", ANOTHER POINT ON THE SPIRAL TANGENT, TO FORM THE SECOND TANGENT. THESE TWO TANGENTS WERE USED ALONG WITH RECORD RADIUS AND SPIRALS TO DEVELOP THE NORTHBOUND CENTERLINE. ENGLISH STATION 154+80.52 P.T. WAS HELD FOR STATIONING AS METRIC STATION 4+718.472 P.T.

RETRACING THE I-5 SOUTHBOUND R/W LINE ("SB") BEGAN WITH A LINE PARALLEL TO AND A RECORD DISTANCE OF 150 FEET (45.720 m) FROM THE NORTHBOUND CENTERLINE BEGINNING AT ENGLISH STATION SB 154+51.63 AH. (METRIC 4+709.666 AH.). THE CENTERLINE WAS RETRACED FROM HERE TOWARDS THE NORTH USING RECORD ANGLE POINT, RADII, SPIRAL LENGTHS, AND DELTAS AS FAR AS ENGLISH STATION SB 134+60.29 P.C.C.

THE LINE FOR EAKIN ROAD ("ER") WAS DEVELOPED BY USING THE RECORD OFFSET DATA ON THE NORTHBOUND ALIGNMENT AT ENGLISH STATION 157+30.71, 73.44 FEET LEFT (FOR THE P.I.), AND THE RECORD DIFFERENCE IN BEARINGS OF THE NORTHBOUND TANGENT AND THE EAKIN ROAD TANGENT. THEN ALL RECORD DATA WAS USED TO ESTABLISH THE REMAINING ALIGNMENT. STATIONING WAS HELD AT ENGLISH STATION 153+00 (METRIC 4+663.449).

RECOVERED MONUMENT LIST

PT. NO.	LDP NORTHING	LDP EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
PTS-8	127259.344	382300.217	N/A	N/A	9-24-01	FND. 2 7/8" BRASS DISK IN CONC. CURB IN S.W. CORNER OF BRIDGE, DISK STAMPED "DOUGLAS CO. SURVEYORS OFFICE PTS-8 1973", GOOD CONDITION.
1005	127349.233	382571.071	4+892.740	-41.206	9-20-01	FND. 5/8" IRON ROD W/1 1/2" ALUM. CAP (UNREADABLE) 100 mm BELOW SURFACE. (REF. ODOT DRG. NO. 8B-30-20)
1006	127342.060	382547.782	4+917.061	-39.680	9-20-01	FND. 5/8" IRON ROD W/1 1/2" ALUM. CAP (UNREADABLE) 120 mm BELOW SURFACE. (REF. ODOT DRG. NO. 8B-30-20)
1009	127484.783	382602.891	4+815.043	74.334	9-24-01	FND. 5/8" IRON ROD W/1 1/2" ALUM. CAP STAMPED "OREG. STATE HWY. DEPT.", 50 mm ABOVE SURFACE, GOOD CONDITION, PADDLE NEARBY MARKED "SHRW POT 158+00 244". (REF. ODOT DRG. NO. 8B-30-20)
1010	127437.927	382392.545	5+028.368	104.887	9-24-01	FND. 5/8" IRON ROD W/1 1/2" ALUM. CAP STAMPED "OREG. STATE HWY. DEPT." 60 mm ABOVE SURFACE, GOOD CONDITION. (REF. ODOT DRG. NO. 8B-30-20)
1011	127452.459	382517.510	4+906.338	74.290	9-24-01	FND. 5/8" IRON ROD W/1 1/2" ALUM. CAP STAMPED "OREG. STATE HWY. DEPT." FLUSH W/SURFACE, GOOD CONDITION, PADDLE BOARD PULLED OUT OF GROUND BUT MARKED "SHRW POT 161+00 244". (REF. ODOT DRG. NO. 8B-30-20)



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

Christine V. Blevis

OREGON
 JULY 19, 1994
 CHRISTINE V. BLEVINS
 02669LS

EXPIRES 12/31/01

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP

COW CREEK & QUINES CREEK BRIDGES

PACIFIC HIGHWAY (INTERSTATE 5)

DOUGLAS COUNTY

NOVEMBER 27, 2001 FOR ODOT REGION 3

3500 NW STEWART PKWY., ROSEBURG, OR 97470

SHEET 2 OF 5