

NETWORK POINT COORDINATE TABLE

PT. NO.	LDP NORTHING	LDP EASTING	DATE	DESCRIPTION
1	597945.669	4161495.288	5-7-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 1"
2	599134.581	4161685.525	5-7-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 2"
3	600123.927	4161653.222	5-7-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 3" STABILIZED IN CONC.
4	600741.810	4161638.171	5-7-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 4" STABILIZED IN CONC.
5	602764.215	4161391.634	5-7-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 5" STABILIZED IN CONC.
6	603709.520	4161462.052	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 6"
7	603425.963	4161049.924	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 7" STABILIZED IN CONC.
8	603624.264	4161791.321	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 8"
9	604462.208	4161791.103	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 9"
10	605199.972	4162325.131	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 10"
11	606065.729	4162539.057	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 11"
12	607450.687	4163206.236	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" BRASS CAP STAMPED "ODOT CONTROL 12"
13	608435.152	4163315.170	5-12-03	SET 1 1/8" BRASS PLUG IN CONC. STAMPED "ODOT 13"
14	608991.027	4163416.185	5-12-03	SET 1 1/8" BRASS PLUG IN CONC. STAMPED "ODOT 14"
15	601477.131	4161706.621	5-13-03	SET 5/8" X 30" I. REBAR W/1 1/2" ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 15"
16	601656.529	4161550.492	5-22-03	SET 5/8" X 30" I. REBAR W/1 1/2" ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 16"
17	601596.742	4161384.169	5-12-03	SET 5/8" X 30" I. REBAR W/1 1/2" ALUM. CAP STAMPED "ODOT HORIZ. CONTROL 17"
18	600974.247	4159817.691	5-13-03	SET PK NAIL & SHINER STAMPED "ODOT 18" IN ROCK
100	600686.534	4161942.854	5-12-03	FND. 2 7/8" BRASS DISK SET IN CONC. CURB STAMPED "DOUGLAS CO. SURVEYORS OFFICE SHELL 1983", GOOD CONDITION
101	601268.640	4161797.770	5-12-03	FND. 2 7/8" BRASS DISK SET IN CONC. STAMPED "DOUGLAS CO. SURVEYORS OFFICE PIONEER 1983", GOOD CONDITION, WITNESS POST NEARBY
103	602972.707	4161663.714	5-12-03	FND. 3 3/4" BRASS DISK SET IN 1" CONC. PEDISTAL STAMPED "U.S. COAST & GEODETIC SURVEY TRIANGULATION STATION FOR INFORMATION WRITE TO THE DIRECTOR WASHINGTON D.C. WINCHESTER 1953", GOOD CONDITION, WITNESS POST NEARBY
104	603278.898	4161422.453	5-7-03	FND. 2 7/8" BRASS DISK SET IN 8" CONC. PEDESTAL 5 1/2" ABOVE SURFACE STAMPED "DOUGLAS CO. SURVEYORS OFFICE GAS 1972", GOOD CONDITION
AKIN2	606804.086	4162788.022	5-12-03	FND. 3" BRASS DISK IN 1'X1' CONC. STAMPED "AKIN 2 OREGON DOT DO NOT DISTURB GEODETIC CONTROL PT. 1998" (REF. #M143-67)
X054	605218.903	4162609.070	5-12-03	FND. 2 7/8" BRASS DISK SET IN CONC. STAMPED "DOUGLAS CO. SURVEYORS OFFICE X-054", GOOD COND.
11851-1	595815.292	4160817.825	5-7-03	FND. 3" BRASS DISK IN CONC. 1' WIDE X 4' DEEP, STAMPED "OREGON DOT GEODETIC CONTROL PT. DO NOT DISTURB 11851-1 2003" (REF. #M143-67)
11851-2	598747.547	4161683.438	5-7-03	FND. 3" BRASS DISK IN CONC. 1' WIDE X 4' DEEP, STAMPED "OREGON DOT GEODETIC CONTROL PT. DO NOT DISTURB 11851-2 2003" (REF. #M143-67)
11851-3	611434.518	4163676.614	5-12-03	FND. 3" BRASS DISK IN CONC. 1' WIDE X 4' DEEP, STAMPED "OREGON DOT GEODETIC CONTROL PT. DO NOT DISTURB 11851-3" (REF. #M143-67)

FILED  
 Date: 4-15-2004 By: JC  
 This survey consists of:  
 Map: ST HWY 15-016 A-K  
 Narrative:  
 Corner Rpt:  
 DOUGLAS COUNTY  
 SURVEYOR

NETWORK OBSERVATIONS

AT	TO
1	11851-2
2	3, 4, 5, 100, 104
3	2, 4, 5, 100, 104
4	2, 3, 5, 100, 101
5	2, 3, 4, 17, 104
6	7, 8, 9, 10, 103
7	6
8	6, 9, 103
9	8, 10, 11, 11851-3
10	9, 11, 12, 11851-3, AKIN2, X054
11	10, 12, AKIN2
12	11, 13, 14, 11851-3, AKIN2
13	10, 12, 14, 11851-3, X054
14	10, 11, 12, 13, 11851-3
15	16, 17, 101
16	15, 18
17	15, 18
18	17
11851-1	1, 2, 11851-2
11851-2	1, 2, 3, 4, 5, 104
100	4, 15, 101
101	15, 100, 104
103	6, 16, 104
104	2, 3, 5, 6, 7, 101, 103
AKIN2	12, 11851-3
X054	13, 14, 11851-3, AKIN2

CENTERLINE RETRACEMENT NARRATIVES

INTERSTATE 5: REFERENCING ODOT DRAWING NO. 7B-7-10 THE TANGENT BEARING AT THE WINCHESTER INTERCHANGE WAS ESTABLISHED BY HOLDING A SPLIT BETWEEN POINTS 1000 AND 1001 ON THE NORTH END, AND THE RECORD 150' OFFSET TO POINT 1005 ON THE SOUTH END. TO THE NORTH OF THIS TANGENT THE RECORD DATA WAS USED TO ESTABLISH THE CURVE AND THE MOST NORTHERLY TANGENT. FOR THE TANGENT GOING ACROSS THE NORTH UMPQUA RIVER THE BRIDGE ITSELF WAS USED TO ESTABLISH THE BEARING AT A RECORD 14' OFFSET TO THE WEST OF THE NORTHBOUND BRIDGE CENTERLINE (SEE ODOT BRIDGE DRAWINGS #11076 AND #18573). THE MOST SOUTHERLY TANGENT WAS DIFFICULT TO RESOLVE BECAUSE OF CONFLICTING MEASUREMENTS BETWEEN POINTS 1007 AND 1009 COMPARED TO POINTS 1008, 1010, AND 1011. AFTER MUCH ANALYSIS THE RECORD DISTANCE OF 125' WAS HELD AT POINT 1007 AND THE RECORD DELTA FROM THE NORTH TO ESTABLISH THIS TANGENT. ON ALL THREE CURVES OF THIS ALIGNMENT THE RECORD RADII AND SPIRALS WERE USED. FOR STATIONING THE RECORD STATION OF 2291+41.35 WAS HELD AT THE RETRACED POINT OF TANGENT (P.T.); ON THE SOUTHERLY TANGENT THE EQUATION STATION WAS ADJUSTED IN ORDER TO HOLD STATION 2345+00 AT POINT 1007.

OAKLAND-SHADY HIGHWAY (OLD 99): REFERENCING ODOT DRAWING NOS. 7B-7-10 AND 6B-29-16, THE TANGENT BEARING BETWEEN DEL RIO ROAD AND COLLEGE ROAD WAS ESTABLISHED BY HOLDING THE BEARING BETWEEN POINTS 1031 AND 1033 AT A 30' OFFSET TO THE CENTERLINE. A SPLIT OF THE WINCHESTER BRIDGE ITSELF WAS USED TO ESTABLISH ITS BEARING. FROM THE INTERSECTION OF THESE TWO TANGENTS (THE P.I.) A RECORD DISTANCE WAS HELD GOING TO THE NORTH TO ESTABLISH THE CURVE AND TANGENT NORTH OF COLLEGE ROAD. ON THE MOST SOUTHERLY TANGENT (SOUTH OF PAGE ROAD) SURVEYS #RM3-25, VOL. 6 PG. 31, AND #M12-1 WERE UTILIZED TO ESTABLISH THE BEARING (SEE TIED MONUMENTS 1104 AND 1105). FOR THE POINT OF INTERSECTION NEAR CURTIS CREEK THE RECORD DISTANCE FROM THE P.I. JUST NORTH OF THE RIVER WAS USED ALONG WITH THE RECORD DELTA TO ESTABLISH THE TANGENT FROM CURTIS CREEK TO PAGE ROAD. RECORD CURVE RADII WERE USED ON ALL CURVES. STATION 2274+77.63 P.T. WAS HELD FOR STATIONING. THERE ARE TWO EQUATIONS IN THIS ALIGNMENT; THE RECORD "AHEAD" STATIONS WERE HELD IN EACH CASE.

"C1" RAMP ALIGNMENT: BEGAN BY HOLDING THE BEARING BETWEEN POINTS 1014 AND 1064 AT THE RECORD 60' OFFSET. THEN HELD THE CURVE DELTA TO THE NORTH FOR ITS TANGENT BEARING AND ADJUSTED IT TO GET THE BEST FIT ON POINTS 1016 AND 1015. GOING SOUTH FROM POINT 1064 THE RECORD DELTAS WERE HELD FOR THE NEXT TWO CURVES ALONG WITH THE RECORD 60' OFFSET FROM POINT 1065. THE RECORD CURVE DATA WAS HELD ON ALL CURVES. FOR STATIONING THE RECORD 2273+27.64 P.T. WAS HELD. (REFER TO ODOT DRAWING NO. 7B-7-10.)

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

*Christine V. Blevins*  
 OREGON  
 JULY 19, 1994  
 CHRISTINE V. BLEVINS  
 2669

EXPIRES: DEC. 31, 2005

OREGON DEPARTMENT OF TRANSPORTATION  
 HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
 I-5: EXIT 129 / N. UMPQUA RIVER (WINCHESTER) BRIDGES  
 INTERSTATE 5 AND OAKLAND-SHADY HIGHWAY  
 DOUGLAS COUNTY  
 MARCH 24, 2004 FOR ODOT REGION 3  
 3500 NW STEWART PARKWAY ROSEBURG, OR 97470  
 SHEET 2 OF 11

ST. HWY. 15-016B