

# NOT TO SCALE SG LINE LONG TO SCALE SG LINE

NETWORK POINT COORDINATE TABLE

PT.	LDP	LDP				DECODIDATION
NO.	NORTHING	EASTING	STATION	OFFSET		DESCRIPTION
	287083.303		N/A	N/A	4-11-02	SET HUB AND TACK
2	287678.361	271688.910	430+98.07	-0.02	4-10-02	FND. 21/2" BRASS DISK SET IN CONC. POST 0.78 FT. ABOVE SURFACE STAMPED "STATE
						HIGHWAY DEPARTMENT REFERENCE 430+97.51 PS", GOOD CONDITION, METAL POST AND
					4 40 00	PADDLE NEARBY MARKED "SHRR P.S. 430+97.51 C/L"
	287065.392	269450.826	N/A			SET HUB AND TACK
4	287593.222	271719.523	N/A	N/A -0.06	4-10-02	SET HUB AND TACK FND. 21/2" BRASS DISK SET IN CONC. POST 0.6 FT. ABOVE SURFACE STAMPED "STATE
5	287799.469	272070.022	434+98.05	-0.06	4-10-02	HIGHWAY DEPARTMENT REFERENCE 434+97.51 PSC", GOOD CONDITION, METAL POST AND
						PADDLE NEARBY MARKED "SHRP PSC 434+97.51 C/L"
	207072 207	272622.539	N/A	N/A	4-10-02	SET HUB AND TACK
<u>6</u>	287965.075	272436.404	439+00.46	-0 09	4-10-02	FND. 21/2" BRASS DISK SET IN CONC. POST FLUSH W/SURFACE STAMPED "STATE
ľ	201303.013	212730.704	133100.70			HICHWAY DEPARTMENT REFERENCE 439+00 POC"
8	288178 893	272773.939	443+00.36	-0.17	4-10-02	FND. 21/3" BRASS DISK SET IN CONC. POST FLUSH W/SURFACE STAMPED "STATE
U	2001101033	2121131333	110 00100			HIGHWAY DEPARTMENT REFERENCE 443+00 POC", GOOD CONDITION, METAL POST AND
						PADDLE NEARBY MARKED "SHRP POC 443+00 C/L"
9	288353.578	272946.124	N/A	N/A	4-10-02	SET HUB AND TACK
10	288490.842	273132.075	447+75.86	0.16	4-10-02	FND. 21/2" BRASS DISK SET IN CONC. POST 0.50 FT. ABOVE SURFACE STAMPED "STATE
						HIGHWAY DEPARTMENT REFERENCE 447+75.01 PCS", GOOD CONDITION W/SOME CHIPPED
						CONCRETE ON ONE SIDE, METAL POST AND PADDLE NEARBY MARKED "SHRP PCS
						447+75.01 C/L"
		273367.188	N/A			SET HUB AND TACK
		273886.793	N/A	N/A	4-10-02	SET HUB AND TACK FND. 21/2" BRASS DISK SET IN CONC. POST 0.7 FT. ABOVE SURFACE STAMPED "STATE
13	289774.021	274226.300	464+62.40	-0.00	4-10-02	HIGHWAY DEPARTMENT REFERENCE 464+61.50 PS", GOOD CONDITION, PADDLE LAYING
						ON GROUND MARKED "SHRP PS 464+61.50 C/L"
1.4	200754 000	274324.324	N/A	N/A	4-10-02	SET HUB AND TACK
	287005.610	269159.686	404+76.96	0.20	4-10-02	FND. 21/2" BRASS DISK SET IN CONC. POST 0.7 FT. ABOVE SURFACE STAMPED "STATE
15	287005.810	203133.000	404,10.30	0.20	17 10 02	HIGHWAY DEPARTMENT REFERENCE 404+76.52 PSC", GOOD CONDITION
16	286928 361	268677.118	N/A	N/A	4-11-02	SET HUB AND TACK
17		267362.718	N/A			SET HUB AND TACK
18		266405.776	N/A			SET HUB AND TACK
19	287326.618	266290.375	N/A	N/A		SET HUB AND TACK
20		266220.938	N/A	N/A	4-11-02	SET HUB AND TACK
21	287400.054	265713.629	N/A	N/A		SET HUB AND TACK
22	287341.681	264977.914	N/A	N/A		SET HUB AND TACK
23		265911.441	N/A	N/A	4-11-02	SET HUB AND TACK
24	287555.021	264399.550	356+82.30	0.03	4-11-02	FND. 21/2" BRASS DISK IN CONC. POST O.8 FT. ABOVE SURFACE STAMPED "STATE
						HIGHWAY DEPARTMENT REFERENCE PCS 356+82.22", GOOD CONDITION, METAL POST
					1	AND PADDLE NEARBY MARKED "SHRP PCS 356+82.22 C/L"
25	287625.421	264011.673	N/A	N/A	<u> 4-11-02</u>	SET HUB AND TACK

SURVEY NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO RESET RIGHT OF WAY MONUMENTS FOR THE OREGON DEPARTMENT OF TRANSPORTATION ALONG INTERSTATE 5 BETWEEN THE JACKSON COUNTY LINE AND ROGUE RIVER. THIS MONUMENTATION WORK IS NOT ASSOCIATED WITH ANY CONSTRUCTION PROJECT. THE SURVEY WORK WAS COMPLETED APRIL 30, 2002, BY A ROSEBURG ODOT SURVEY CREW. THE ORIGINAL FIELD NOTES ARE ARCHIVED IN SALEM AS BOOK #3823.

FOUND MONUMENTS AS SHOWN ON ODOT RIGHT OF WAY DRAWING NO. 8B-6-3 WERE USED TO ESTABLISH A BASIS OF BEARING. THIS BEARING WAS HELD BETWEEN FOUND POINTS 1000 AND 1007 AS N 73°43′E. (SEE SHEET 4 OF 5 FOR MORE DETAIL AND LOCATION.) USING THE SAME R/W DRAWING RECORD COORDINATES WERE CALCULATED FOR POINT 1000 AND HELD FOR LOCATION. THESE R/W DRAWING COORDINATES MAY HAVE BEEN TRUNCATED AT ONE TIME. HOWEVER, SINCE THIS CANNOT BE CONFIRMED THE COORDINATES SHOWN ON THIS SURVEY ARE CONSIDERED ASSUMED.

A NETWORK WAS ESTABLISHED THROUGHOUT THE LIMITS OF THE SURVEY IN ORDER TO TIE EXISTING MONUMENTS. A LEICA TCA TOTAL STATION (SERIAL #418939) WAS USED TO MAKE THE NETWORK OBSERVATIONS. THE LEICA TCA 1800 HAS THE FOLLOWING PRECISION: STANDARD ANGULAR ERROR OF +/- 1 SECOND, STANDARD DISTANCE ERROR OF +/-0.007 FEET, +/- 2 PPM.

THE NETWORK WAS ADJUSTED USING A LEAST SQUARES ROUTINE. THIS ADJUSTMENT PRODUCED ANGULAR AND DISTANCE RESIDUALS (THE AMOUNT THE FIELD OBSERVED MEASUREMENTS WERE CHANGED DUE TO THE ADJUSTMENT). 86% OF THE ANGULAR RESIDUALS WERE WITHIN 3 SECONDS, AND 100% WERE WITHIN 10 SECONDS. 100% OF THE DISTANCE RESIDUALS WERE WITHIN 0.008 FEET. THERE IS A 95% PROBABILITY THAT THE FINAL POSITIONS OF THE NETWORK POINTS ARE WITHIN THE ERROR ELLIPSES AS SHOWN ON THE "CONFIDENCE LEVEL LIMITS" TABLE ON SHEET 2.



LEGEND

SET NETWORK POINT

FOUND MONUMENT USED
AS NETWORK POINT

REGISTERED PROFESSIONAL LAND SURVEYOR

Christis V. Blevi

OREGON JULY 19, 1994 CHRISTINE V. BLEVINS 2669

EXPIRES 12/31/03

OREGON DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY MONUMENTATION MAP

JACKSON COUNTY LINE - ROGUE RIVER
PACIFIC HWY. (INTERSTATE 5)

JACKSON COUNTY

MAY 20, 2002

FOR ODOT REGION 3

3500 NW STEWART PKWY., ROSEBURG, OR 97470

SHEET 1 OF 5

## CONFIDENCE LEVEL LIMITS

POINT ID	SEMI MAJOR	SEMI MINOR	ORIENTATION*
3	0.011	0.004	171°42′51″
4	0.006	0.002	160°40′00″
5	0.009	0.004	158°45′47″
6	0.018	0.004	159°17′04″
7	0.015	0.004	155°17′45″
8	0.023	0.005	151°18′08″
9	0.029	0.006	146°18′44″
10	0.035	0.007	144°39′02″
1 1	0.047	0.008	138°48′51″
12	0.075	0.010	134°03′40″
13	0.094	0.010	133°04′59″
1 4	0.096	0.010	134°58′05″
1,5	0.015	0.005	171°05′20″
16	0.025	0.005	169°59′46″
17	0.065	0.009	3°15′59″
18	0.097	0.009	1°24′11″
19	0.102	0.009	3°52′54″
20	0.104	0.009	1°50′50″
21	0.123	0.009	4°09′35″
22	0.151	0.009	2°08′19″
23	0.115	0.013	174°26′27″
24	0.175	0.010	4°23′31″
25	0.191	0.011	4°44′41″

# \* NORTH AZIMUTH

FIXED POINTS NOT SUBJECT TO LEAST SQUARES ADJUSTMENT OR CONFIDENCE LEVEL ANALYSIS: 1 AND 2

# NETWORK OBSERVATIONS

NETWORK OBSERVATIONS							
ΑТ	ТО						
1	2,3,4,15,16						
2	1,4,5,6						
2 3 4	1,4,15,16						
4	1,2,3,5,6,7						
5 6	1,2,4,6,7						
	2,4,5,7,8,9						
7	4,5,6,8						
8	6,7,9,10						
9	6,8,10,11						
10	6,8,9,11,12,13						
1 1	9,10,12,13,14						
12	10,11,13,14						
13	10,11,13,14						
14	11,12,13						
15	1,3,16						
16	1,3,15,17,19						
17	16,18,19,20,21,22						
18	17,19,20,21						
19	16,17,18,20,21,22,23						
20	17,18,19,21,23,24						
21	17,18,19,20,22						
22	17,19,21,24,25						
23	19,20						
24	20,22,25						
25	22,24						
23							

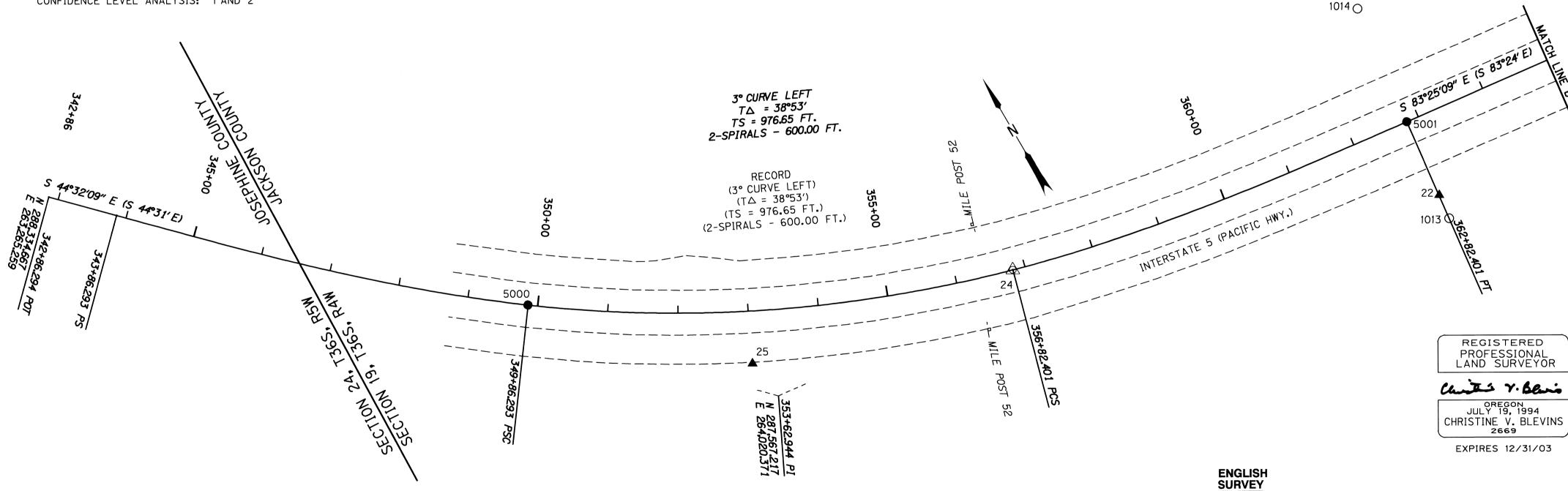
# SW 1/4 SECTION 19, T.36 S., R. 4 W., W.M.

# RETRACEMENT NARRATIVE

THE CENTERLINE OF INTERSTATE 5 (PACIFIC HIGHWAY) WAS RETRACED USING A BEST FIT METHOD OF FOUND RIGHT OF WAY MONUMENTS AND THE RECORD DATA FROM ODOT'S RIGHT OF WAY DRAWING NO. 8B-6-3. THE FIRST TANGENT WAS RETRACED BY CALCULATING A PROPORTIONED SPLIT BETWEEN FOUND POINTS 1013 AND 1014, AND BETWEEN 1011 AND 1012. THE CURVE BACK FROM THIS FIRST TANGENT WAS LAYED IN USING THE RECORD CURVE DATA. THE SECOND TANGENT WAS DEVELOPED BY CALCULATING A PROPORTIONED SPLIT BETWEEN FOUND POINTS 1007 AND 1008, AND HOLDING THE CENTERLINE MONUMENT AT POINT 2. THE THIRD TANGENT WAS DEVELOPED BY CALCULATING A PROPORTIONED SPLIT BETWEEN POINTS 1002 AND 1003, AND HOLDING THE CENTERLINE MONUMENT AT POINT 13. THE RECORD DEGREE OF CURVATURE WAS HELD ON ALL CURVES, AS WELL AS THE SPIRAL LENGTHS. THE CURVE DELTAS AND SEMI-TANGENT LENGTHS MAY VARY FROM THE RECORD DUE TO THE DIFFERENCES IN THE TANGENT BEARINGS. THE RECORD STATION AT 430+97.51 PS WAS HELD FOR STATIONING THE ENTIRE RETRACED ALIGNMENT.

### MONUMENTATION NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO REESTABLISH RIGHT OF WAY CENTERLINE MONUMENTS THAT WERE INADVERTENTLY DESTROYED BY ODOT. THE CENTERLINE COULD NOT EXACTLY BE RETRACED TO MATCH THE RECORD. NEW CENTERLINE MONUMENTS WERE SET AT THE RETRACED CENTERLINE POSITIONS BUT WILL BE LABELED AS THEY WERE PREVIOUSLY. SEE THE SET MONUMENTS TABLES TO NOTE THE DIFFERENCES IN STATIONING BETWEEN THE RETRACED AND THE RECORD CENTERLINE.



FOUND AND SET MONUMENTS LIST (SEE SHEET 1 FOR NETWORK POINT INFORMATION)

PT.	LDP NORTH ING	LDP EASTING	RETRACED STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
1013	287306.241	264973.447	362+82.41	150.03	4-11-02	FND.5%" IRON ROD FLUSH W/SURFACE, GOOD CONDITION, WOOD POST NEARBY MARKED "SHRW 150 PT 362+82.22"
1014	287629.172	265010.581	362+82.29	-175.03	4-11-02	FND. 58" IRON REBAR 0.2 FT. BELOW SURFACE, GOOD COND.

PT.	LDP	LDP	RECORD	RETRACED		
NO.	NORTHING	EASTING	STATION	STATION	OFFSET	DESCRIPTION & REFERENCE DOCUMENTS
5000	287858.748	263777.523	349+86.11 PSC	349+86.29 PSC		SET 1/8" X 30" IRON REBAR W/11/2" BRASS CAP STAMPED "ODOT CONTROL", STABILIZED WITH CONCRETE
5001	287455.286	264990.586	362+82.22 PT	362+82.40 PT		SET 5/8" X 161/4" IRON REBAR W/11/2" BRASS CAP STAMPED "ODOT CONTROL", STABILIZED WITH CONCRETE

# LEGEND

- () RECORD DATA PER ODOT R/W DRG. NO.88-6-3
  - O FOUND MONUMENT NOTED IN TABLE
- SET MONUMENT
- ▲ NETWORK POINT
- AS NETWORK POINT
- -- EDGE OF PAVEMENT

# OREGON DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MONUMENTATION MAP

FEET

JACKSON COUNTY LINE - ROGUE RIVER
PACIFIC HWY. (INTERSTATE 5)

JACKSON COUNTY

MAY 20, 2002 FOR ODOT REGION 3

3500 NW STEWART PKWY., ROSEBURG, OR 97470

SCALE: 1 IN. = 100 FT. SHEET 2 OF 5

