

OREGON DEPARTMENT OF TRANSPORTATION

FILED

Photogrammetry Unit
ROOM 26, TRANSPORTATION BUILDING
355 CAPITOL STREET NE
SALEM, OREGON 97310
986-3539

Date: 7-19-95 By: JP
This survey consists of.
Map: M 119-63 A-E
Narrative: C.S. 63/164-1
Corner Rpt: _____

NARRATIVE REPORT

**DOUGLAS COUNTY
SURVEYOR**

NOTE This survey was conducted prior to the enactment of the law requiring it to be filed Since that time the registered surveyor responsible for the survey has departed this unit

PURPOSE OF SURVEY

The purpose of this survey was to establish photogrammetric control along the Coos Bay - Roseburg Highway (Hwy 42) in Douglas County for the mapping of the Olalla Creek - Winston NCL location survey project This survey was done at the request of the Region 3, project manager Roger Patitz. The survey was started January 30, 1991, and completed February 4, 1991

LOCATION OF SURVEY

This survey begins in the SE 1/4 of Sec 20, T 28 S, R 6 W, WM at control station WT-1 and proceeds westerly along the Coos Bay - Roseburg Highway to control station WT-18 in the NW 1/4 of Sec 27, T. 28 S, R. 7 W, WM and then returns easterly back along the highway to WT-21 in the SW 1/4 of Sec 23, T 28 S, R 7 W, W.M. and then easterly, diverging north of the highway to WT-23 located in the NW 1/4 of Sec 24, T 28 S, R 7 W, WM

HORIZONTAL CONTROL

This survey was computed using the NAD83 Datum The control points used were COOBURG 2 1974 and azimuth mark BM E 76 RESET The mapping control points established for the photogrammetric control of this project are identified, WT-1 through WT-23

EQUIPMENT AND METHODS

The traverse was performed using a Wild T2000S Theodolite and a DI3000 distance meter. COOBURG 2 1974 was used as the basis of coordinates and the published azimuth to BM E 76 RESET was used as the basis of bearings. The traverse was adjusted with the Compass Rule. The traverse had an angular error of 7 seconds and a horizontal closure of 1:136,506. Field notes and pertinent survey data for the field survey work are stored in control files 43-1 and 92-019 located in the Photogrammetry Unit, Room 26 Transportation Bldg, 355 Capitol St NE, Salem, Oregon 97310, phone (503) 986-3539.

FINAL ADJUSTED COORDINATES

NOTE: Coordinates listed are on a Local Datum Plane which represents true ground distances. To convert LDP coordinates to Oregon State Grid South Zone, Multiply LDP coordinates by 0.99986527.

POINT NAME	NORTHING	EASTING
WT1	542634.84	4140274.82
WT2	542064.25	4138782.80
WT3	539672.99	4134351.07
WT4	539489.21	4132539.25
WT5	538648.19	4130325.98
WT6	538057.83	4128627.38
WT7	537220.69	4127928.90
WT8	537031.10	4127584.59
WT9	536995.02	4126301.32
WT10	537169.23	4125491.09
WT11	538769.23	4124711.32
WT12	541649.85	4123193.19
WT13	542113.60	4122659.70
WT14	542828.72	4121042.07
WT15	542740.94	4120394.47
WT16	542407.74	4119950.31
WT17	541912.23	4119655.49
WT18	541091.93	4116757.50
WT19	542587.55	4120136.24
WT20	542857.30	4120763.10
WT21	542594.60	4121824.70
WT22	543884.66	4126350.98
WT23	544532.49	4126463.18
COOBURG2	546469.50	4141879.63

POINT DESCRIPTIONS

WT-1 Set RR spike in bike path 49.1 ft from the NE corner of the Lookingglass Creek bridge, 20.5 ft north of the centerline of Hwy 42 and 36.2 ft SE of PP# B22757

WT-2 Set 5/8" x 30" iron rod with aluminum cap on the north edge of Hwy 42 bike path 25.1 ft SW of 18" oak tree and 17.9 ft east of the center of manhole cover

WT-3 Set 5/8" x 30" iron rod with aluminum cap in the south right of way for Hwy 42 in the center of a wood gate 9.7 ft south of edge of A.C. and 8.4 ft NW of gate post and 7.8 ft SE of gate post

WT-4 Set 5/8" x 30" iron rod with aluminum cap in the right of way on the north side of Hwy 42, 2.6 ft south of fence, 13.6 ft north of edge of A.C., 12.8 ft SE of guy wire pole 1-11A, 51.4 ft east of larger phone box at milepost 71

WT-5 Set 5/8" x 30" iron rod with aluminum cap in the right of way on the south side of Hwy 42, 4 ft north of fence and 8.6 ft south of edge of A.C. and 20.3 ft west of concrete base for traffic counter

WT-6 Set 5/8" x 30" iron rod with aluminum cap in the right of way on the north side of Hwy 42 at a curve 18.0 ft SW of PP# 228 and 101.7 ft east of a wood fence corner 25.9 ft north of edge of A.C.

WT-7 Set RR spike in center of A.C. driveway for a field, 50.7 ft west of PP# 1-125, 47.5 ft east of corner fence post just before curve in highway

WT-8 Set 5/8" x 30" iron rod with aluminum cap on the south shoulder of Hwy 42, 2.8 ft south of A.C. and 5.6 ft north of PP# 1-27.

WT-9. Set 5/8" x 30" iron rod with aluminum cap in a field driveway on the south side of Hwy 42, 4.4 ft north of gate and 8.0 ft NE of gate post and 7.2 ft NW of gate post

WT-10 Set 5/8" x 30" iron rod with aluminum cap on the west edge of Hoover Hill Rd 48.9 ft NE of PP# 1-33 and 58.0 ft SE of a fence corner by phone box

WT-11 Set 5/8" x 30" iron rod with aluminum cap in the right of way on the north side of Hwy. 42 and on the east edge of a gravel road, 3.5 ft. SW of a fence corner and 39.5 ft SE of a gate post for an aluminum gate

WT-12 Set 5/8" x 30" iron rod with aluminum cap on the north side of Hwy 42 at the edge of A.C 23.1 ft SW of 16" ash tree and 19.6 ft SE of PP# 281

WT-13 Set 5/8" x 30" iron rod with aluminum cap on the north side of Hwy 42, 3.2 ft north of the edge of A C and 12.4 ft south of fence and 46.9 ft SW of PP# 285

WT-14. Set 5/8" x 30" iron rod with aluminum cap in the right of way on the north side of Hwy 42 at a curve, 14.7 ft north of edge of A C

WT-15. Set 5/8" x 30" iron rod with aluminum cap on the north shoulder of Hwy 42, 3 ft north of the edge of A C in a curve

WT-16 Set 5/8" x 30" iron rod with aluminum cap on the north shoulder of Hwy. 42, 3.4 ft north of the edge of A C in a curve

WT-17 Set 5/8" x 30" iron rod with aluminum cap at the intersection of Olalla Rd and Hwy 42 in the grass on the east side of Olalla Rd 18 ft. NE of a stop sign and 73 ft SW of a culvert on the south side of Hwy 42.

WT-18 Set PK nail in the center of Strickland Can. Rd 20.6 ft SE of the end of a concrete culvert and 35 4 ft SW of concrete culvert

WT-19. Set 5/8" x 30" iron rod with aluminum cap

WT-20 Set 5/8" x 30" iron rod with aluminum cap.

WT-21 No description

WT-22. Set 5/8" x 30" iron rod with aluminum cap

WT-23 Set 5/8" x 30" iron rod with aluminum cap

* Note: In addition to point name, all aluminum caps are marked "Oregon State Hwy. Div. 1991"