

FILED
 Date: 8-27-2015 By: XC
 This survey consists of:
 Map: Co Rd 124
 Narrative: 0033 Cover
 Corner bpt: _____

DOUGLAS COUNTY
 SURVEYOR

NARRATIVE

THE PURPOSE OF THIS SURVEY WAS TO ESTABLISH HORIZONTAL CONTROL POINTS, COMPLETE A MONUMENT RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES CHAPTER 209.155 BY TYING THE RECOVERED SURVEY MONUMENTS OF RECORD, NEAR THE VICINITY OF THE PROJECT, TO THE PROJECT CONTROL POINTS, AND TO DEPICT THE ADDITIONAL RIGHT-OF-WAY THAT WAS ACQUIRED FOR THIS PROJECT BY REFERENCING THE ADDITIONAL RIGHT-OF-WAY AND CONTROLLING CENTERLINE AS PROVIDED FOR IN OREGON REVISED STATUTE CHAPTER 209.155(2)(b). THIS SURVEY WAS PERFORMED AT THE REQUEST OF DOUGLAS COUNTY PUBLIC WORKS IN SUPPORT OF THE NEAL LANE COVERED BRIDGE REHABILITATION PROJECT.

THE BASIS OF BEARINGS FOR THIS SURVEY ARE BASED ON A STRAIGHT LINE BETWEEN CONTROL POINTS 1 AND 4 USING THE OREGON REALTIME GPS NETWORK DERIVED COORDINATES, WITH REFERENCE TO THE OREGON COORDINATE REFERENCE SYSTEM, COTTAGE GROVE-CANYONVILLE ZONE, NAD 83(2011) EPOCH 2010 DATUM.

THE INITIAL FIELD SURVEY WAS PERFORMED IN APRIL OF 2013 AND JANUARY OF 2014 AND CONSTRUCTION WAS COMPLETED IN MAY OF 2015. THE SURVEY EQUIPMENT USED IN THIS SURVEY CONSISTED OF ONE TRIMBLE R8 GPS RECEIVER, ONE TRIMBLE S6 ROBOTIC TOTAL STATION, ONE SOKKIA SDL30 DIGITAL LEVEL AND ONE TRIMBLE TSC3 CONTROLLER USING TRIMBLE ACCESS SOFTWARE.

NEAL LANE (COUNTY ROAD #124)

DURING THE COURSE OF THE RECOVERY SURVEY, IT WAS DETERMINED THAT THE LOCATION OF THE NEAL LANE COVERED BRIDGE WAS OUTSIDE OF THE ESTABLISHED RIGHT-OF-WAY OF NEAL LANE AS DESCRIBED IN THE COUNTY ROAD RECORDS, NOTED IN THE LIST OF REFERENCES HEREON, FOR NEAL LANE. ALTHOUGH A RIGHT-OF-WAY RETRACEMENT SURVEY IS NOT A PART OF THIS SURVEY, RESEARCH WAS COMPLETED TO VERIFY THAT THE BRIDGE WAS NOT CONTAINED WITHIN THE EXISTING RIGHT-OF-WAY. TO RESOLVE THIS PROBLEM, A PROJECT SPECIFIC CENTERLINE WAS ESTABLISHED, WHICH IS DESCRIBED IN DOUGLAS COUNTY INSTRUMENT NUMBERS 2014-009428 AND 2014-009728 AND IS AS SHOWN HEREON. ADDITIONAL RIGHT-OF-WAY WAS ACQUIRED BY DOUGLAS COUNTY BY SAID INSTRUMENT NUMBERS, TO NOW FULLY CONTAIN THE NEAL LANE COVERED BRIDGE.

REFERENCES

1. COUNTY DOCKET 411, DATED FEBRUARY 18, 1921
2. DOUGLAS COUNTY HIGHWAY SURVEY (ALIGNMENT OF DAYS CREEK TO SOUTH MYRTLE CREEK CONNECTING ROAD)
3. COUNTY ROAD MAP ID 0036-0088 (MYRTLE CREEK-DAYS CREEK COUNTY ROAD 42)
4. COUNTY SURVEYOR'S CORNER RECORD POINT ID 046040
5. COUNTY SURVEY M102-1A
6. COUNTY SURVEY M157-38
7. COUNTY SURVEY M122-33
8. COUNTY SURVEY M118-41
9. COUNTY SURVEY M70-21
10. VOLUME 21, PAGE 61 (PLAT OF CALLAHAM SUBDIVISION)
11. VOLUME 19, PAGE 29 (PLAT OF FAIRWAY HEIGHTS SUBDIVISION)

CONTROL NARRATIVE

PROJECT: NEAL LANE COVERED BRIDGE PRESERVATION
 LOCATION: DOUGLAS COUNTY, OREGON
 OBEC PROJECT: 0019-0100.28
 SURVEY DATUM:
 HORIZONTAL - OCRS: COTTAGE GROVE-CANYONVILLE ZONE
 NAD 83(2011) EPOCH 2010.00 (INTERNATIONAL FEET)

OREGON COORDINATE REFERENCE SYSTEM (OCRS)
 COTTAGE GROVE-CANYONVILLE ZONE PARAMETERS

TRANSVERSE MERCATOR PROJECTION
 NORTH AMERICAN DATUM OF 1983
 LATITUDE OF GRID ORIGIN : 42°50'00" N
 CENTRAL MERIDIAN : 123°20'00" W
 FALSE NORTHING: 0.000 M (0.00 FT)
 FALSE EASTING: 50,000.000 M (164041.9948 FT)
 CENTRAL MERIDIAN SCALE: 1.000023 (EXACT)

HORIZONTAL CONTROL SURVEY

PRIMARY CONTROL FOR THIS PROJECT WAS ESTABLISHED BY USING THE OREGON REAL TIME GPS NETWORK (ORGN) TO ESTABLISH HORIZONTAL POSITIONS FOR CONTROL POINTS 1 THROUGH 4. THE MEAN NORTHINGS AND EASTINGS OF TWO SEPARATE OBSERVATIONS WITH A MINIMUM DURATION OF 180 EPOCHS, UNDER DIFFERENT SATELLITE CONSTELLATIONS, WERE HELD FIXED.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY LINES OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR USE BY DOUGLAS COUNTY, THE OREGON DEPARTMENT OF TRANSPORTATION (ODOT) AND OBEC CONSULTING ENGINEERS (OBEC) IN SUPPORT OF THIS AND FUTURE PROJECTS. IT IS NOT THE INTENT OF DOUGLAS COUNTY, ODOT OR OBEC TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

VERTICAL CONTROL SURVEY

VERTICAL CONTROL IS BASED ON THE NAVD88 (GEOID12A) VERTICAL DATUM AND WAS ESTABLISHED BY HOLDING THE ORGN DERIVED ELEVATION OF CONTROL POINT NUMBER 4. A DIGITAL LEVEL LOOP WAS THEN RUN THROUGH CONTROL POINTS 1, 2 AND 3.

FILE NAME: 15630mon.dgn

CORPORATE OFFICE: 920 COUNTRY CLUB ROAD, SUITE 100B EUGENE, OREGON 97401-6089, 541-683-6090
 3990 FAIRVIEW INDUSTRIAL DR SE, SUITE 200 SALEM, OREGON 97302-1166, 503-589-4100
 831 O'HARE PARKWAY MEDFORD, OREGON 97504-4005, 541-774-5590
 5000 MEADOWS ROAD, SUITE 420 LAKE OSWEGO, OREGON 97035, 503-620-6103
 1111 MAIN STREET, SUITE 401 VANCOUVER, WASHINGTON 98660 360-314-2391

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

J. Colton

OREGON
 JULY 12, 2005
 LOGAN MILES
 65452

RENEWAL: DEC. 31, 2016
 Signed: *6/25/15*

DOUGLAS COUNTY PUBLIC WORKS
 HORIZONTAL CONTROL, RECOVERY AND
 RIGHT-OF-WAY MONUMENTATION SURVEY
 NEAL LANE (CO RD #124)
 DOUGLAS COUNTY

DOUGLAS COUNTY PUBLIC WORKS
 1036 S.E. DOUGLAS AVE, ROOM 304
 ROSEBURG, OREGON 97470

JUNE 25, 2015
 NO SCALE
 SHEET 1 OF 2

J. COLTON	OBEC	DESIGNED: L. MILES	PROJ. NO. 0190100.28
APPROVED BY:	DIVISION MANAGER	DRAWN: A. CUTSFORTH	CHK'D: E. BLAKE

Co. Rd #124 MP 0.33-0.39

CO. RD. # 124

0033COVER