



King County
Department of Transportation

COUNTY ROAD ENGINEER'S REPORT

Project: NE Novelty Hill Road
Phase 1 – 195th Avenue NE
Road Extension
CIP 100992

An ordinance in the matter of the King County Council for the Location and Establishment of a County Road, King County, Washington. I, the undersigned, County Road Engineer of the County of King, State of Washington, duly directed by the King County Council, on the 23 day of February, 2010, to make an examination, and if necessary, a survey of that certain proposed road relating to the establishment of that certain road therein designated, report that I consider such a road or modified route thereof practicable and submit my opinion.


County Road Engineer

2/23/10
Date

FIRST

That the ROAD is a necessity and ought to be established and opened.

SECOND

That the terminal points, general course and length of said ROAD along the Establishment centerline as surveyed by King County as follows:

Government Lot 1 of Section 6, Township 25 North, Range 6 East, Willamette Meridian, in King County, Washington, described as follows:

COMMENCING at the east quarter corner of said Section 6, the east line of which bears North 4°08'14" East; Thence North 14°28'08" West a distance of 1253.50 feet to the intersection of 195th Avenue NE (Rudolph Erickson Road, County Road No. 1415) and NE 95th Street (Conrad Olsen Road, County Road No. 1730), and the POINT OF BEGINNING of this establishment centerline, said point having a calculated NAD83-91 Washington State plane coordinate of North 252576.82, East 1333267.53 at Engineers Station 49+35.24 Back = 49+34.21 Ahead; Thence North 3°32'50" East a distance of 284.20 feet to Engineers Station 52+18.42; Thence along a 1880.00-foot radius tangent curve to the right, through a central angle of 14°20'20" an arc distance of 470.49 feet to Engineers Station 56+88.91; Thence North 17°53'09" East a distance of 91.94 feet to Engineers Station 57+80.84 and the intersection of this establishment centerline with the centerline of NE Novelty Hill Road (C. Robstad Road, County Road No. 1287) Engineers Station 41+80.10, said point being at NAD83-91 Washington State Plane coordinate North 253409.05, East 1333400.61 and the terminus of said Establishment centerline.

The length of said Establishment centerline to be 846.63 feet or 0.16 miles.

THIRD

THAT said ROAD should be established at a variable right-of-way width left and right of the above mentioned establishment centerline and described as follows:

RIGHT OF WAY LIMIT ON LEFT

The right-of-way on the left being everything east and north of the following described line: Beginning at a point on the north right-of-way line of existing 195th Avenue NE, said point being 65.81 feet left of Engineers Station 49+61.12; Thence along a 25.00-foot radius curve tangent with said north right of-way of existing 195th Avenue NE, through a central angle of $87^{\circ}16'45''$, an arc distance of 38.08 feet to a point 42.00 feet left of Engineers Station 49+86.09; Thence North $03^{\circ}32'50''$ East a distance of 232.33 feet to a point 42.00 feet left of Engineers Station 52+18.42; Thence along a 1922.00-foot radius tangent curve to the right, through a central angle of $10^{\circ}46'37''$, an arc distance of 361.52 feet to a point 42.00 feet left of Engineers Station 55+72.04; Thence along a 200.00-foot radius reverse curve to the left, through a central angle of $79^{\circ}44'10''$, an arc distance of 278.33 feet to a point 214.56 feet left of Engineers Station 57+55.71; Thence North $65^{\circ}24'43''$ West a distance of 46.18 feet to a point on the east line of the west 750 feet of Government Lot 1 of said Section 6, as measured along the south line thereof, said point being 260.42 feet left of Engineers Station 57+61.10; Thence North $3^{\circ}09'07''$ East along said east line of said west 750 feet a distance of 21.49 feet to the southerly right-of-way of existing NE Novelty Hill Road (C. Robstad Road, County Road No. 1287), said point being 265.90 feet left of Engineers Station 57+81.88 of the aforementioned establishment centerline if extended northerly past its terminus a distance of 1.04 feet, and the terminus of the right-of-way on the left.

EXCEPTING thereof all existing rights-of-way for 195th Avenue NE, NE 95th Street, and NE Novelty Hill Road.

RIGHT OF WAY LIMIT ON RIGHT

The right-of-way on the right being everything west and north of the following described line: Beginning at a point on the existing right-of-way of existing 195th Avenue NE, said point being 30.00 feet right of Engineers Station 49+35.56; Thence South $89^{\circ}10'38''$ East, along the south line of the aforementioned Government Lot 1, a distance of 26.63 feet to a point 56.60 feet right of Engineers Station 49+36.82; Thence North $4^{\circ}22'13''$ East a distance of 483.89 feet to a point 52.32 feet right of Engineers Station 54+26.88; Thence along a 400.00-foot radius tangent curve to the right through a central angle of $19^{\circ}48'54''$ an arc distance of 138.33 feet to a point 57.66 feet right of Engineers Station 55+68.60; Thence North $24^{\circ}11'10''$ East a distance of 44.12 feet to a point 64.77 feet right of Engineers Station 56+13.62 feet; Thence along a 120.00-foot radius tangent curve to the right through a central angle of $84^{\circ}04'21''$ an arc distance of 176.08 feet to a point 186.28 feet right of Engineers Station 57+23.06; Thence along a 1042.00-foot radius reverse curve to the left, through a central angle of $8^{\circ}56'06''$ and arc distance of 162.50 feet to a point on the east line of said Government Lot No. 1, said point being 348.20 feet right of Engineers Station

57+34.65; Thence North 4°08'14" East on the east line of said Government Lot No. 1 a distance of 12.05 feet to the southerly right-of-way of existing NE Novelty Hill Road (C. Robstad Road, County Road No. 1287), said point being 345.34 feet right of Engineers Station 57+46.35, and the terminus of the right-of-way on the right.

EXCEPTING thereof all existing rights-of-way for 195th Avenue NE and NE Novelty Hill Road.

FOURTH

That such other facts, matters, and things as are deemed of importance to be considered by the King County Council are as follows:

FIFTH

Estimated cost of construction is \$34 million.