



King County
Department of Transportation

**COUNTY ROAD ENGINEER'S
REPORT**

Project: South Orr Street
South Park BRIDGE #3179
REPLACEMENT
CIP 300197

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 11 day of March, 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.

Paulette Norman
County Road Engineer

3/11/10
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 described by True North Land Surveying, Inc. and as surveyed by King County in the Northeast Quarter of Section 32, Township 24 North, Range 4 East, Willamette Meridian, in King County, Washington, being further described as follows:

COMMENCING at the centerline intersection of South Sullivan Street with 16th Avenue South;
Thence along said centerline of 16th Avenue South, North 13°00'57" East 419.38 feet to the POINT OF BEGINNING, said point having a calculated NAD83-91 Washington State Place Coordinate of North 196271.27, East 1274541.95 at Engineers Station ORR 10+50.60;
Thence North 47°51'36" West 30.07 feet to Engineers Station PC 10+80.67 and the beginning of a tangent curve to the left having a radius of 104.69 feet;
Thence along said curve northwesterly and westerly 156.48 feet through a central angle of 85°38'19" to Engineers Station PRC 12+37.14 to a point of reverse curvature with a curve to the right and having a radius of 104.69 feet, a radial line of said curve from said point bears North 43°29'55" West;
Thence along said curve southwesterly and westerly 123.89 feet through a central angle of 67°48'13" to Engineers Station PT 13+61.03, said point having calculated NAD83-91 Washington State Place Coordinate of North 196270.29, East 1274262.19 and the terminus of said description.

The length of said Established centerline to be 310.43 feet or 0.06 miles.

THIRD

THAT said ROAD should be established 60.00 feet wide, being 30.00 feet on each side of the above mentioned Establishment centerline and described as follows:

Beginning at Engineers Station 10+50.60, said point being at the intersection with the centerline of 16th Avenue South;

Thence parallel to said Establishment centerline for South Orr Street to terminate at Engineers Station 13+61.03;

FOURTH

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

FIFTH

Estimated cost of construction \$123 million.



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**COUNTY ROAD ENGINEER'S
FIELD NOTES**

Project: South Orr Street
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REPLACEMENT
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In the matter of the Ordinance of the King County Council, for the Location and Establishment of a County Road, I certify that the field notes and profiles of such survey herewith submitted are correctly prepared and that the map/s herewith transmitted show/s the tracts of land over which said road passes with the names, if known, of the several owners thereof.

Paul Norman
County Road Engineer

3/11/10
Date

That the terminal points, general course, and length of said Road along the Establishment centerline as described by True North Land Surveying, Inc. and as surveyed by King County in the Northeast Quarter of Section 32, Township 24 North, Range 4 East, Willamette Meridian, in King County, Washington, being further described as follows:

COMMENCING at the centerline intersection of South Sullivan Street with 16th Avenue South;
Thence along said centerline of 16th Avenue South, North 13°00'57" East 419.38 feet to the POINT OF BEGINNING, said point having a calculated NAD83-91 Washington State Place Coordinate of North 196271.27, East 1274541.95 at Engineers Station ORR 10+50.60;
Thence North 47°51'36" West 30.07 feet to Engineers Station PC 10+80.67 and the beginning of a tangent curve to the left having a radius of 104.69 feet;
Thence along said curve northwesterly and westerly 156.48 feet through a central angle of 85°38'19" to Engineers Station PRC 12+37.14 to a point of reverse curvature with a curve to the right and having a radius of 104.69 feet, a radial line of said curve from said point bears North 43°29'55" West;
Thence along said curve southwesterly and westerly 123.89 feet through a central angle of 67°48'13" to Engineers Station PT 13+61.03, said point having calculated NAD83-91 Washington State Place Coordinate of North 196270.29, East 1274262.19 and the terminus of said description.

The length of said Established centerline to be 310.43 feet or 0.06 miles.

STATION	DISTANCE FEET	COURSE	CURVE NOTES	REMARKS
10+50.60				BEGIN ESTABLISHMENT of the realignment of South Orr Street.

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	30.07	N47°51'36"W		
10+80.67			PC curve left R = 104.69' $\Delta = 85^{\circ}38'19''$ L = 156.48'	
12+37.14			PRC curve right R = 104.69' $\Delta = 67^{\circ}48'13''$ L = 123.89'	
13+61.03			PT	END ESTABLISHMENT of the realignment of South Orr Street.