



King County  
Department of Transportation

**COUNTY ROAD ENGINEER'S  
REPORT**

**Project: 14th/ 16th Avenue South**

**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.

Paulotto 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 Cloverdale Street with 14th Avenue South;  
Thence along said centerline of South Cloverdale Street, South 88°38'36" East 3.29 feet to the POINT OF BEGINNING, said point having a calculated NAD83-91 Washington State Place Coordinate of North 195553.58, East 1274397.70 at Engineers Station SPB 22+99.57;  
Thence North 1°45'40" East 230.43 feet to an angle point at Engineers Station AP 25+30.00;  
Thence North 3°17'47" East 140.00 feet to an angle point at Engineers Station AP 26+70.00;  
Thence North 1°45'57" East 39.35 feet to Engineers Station PC 27+09.35 and the beginning of a tangent curve to the right having a radius of 2,200.00 feet;  
Thence along said curve northerly 532.35 feet through a central angle of 13°51'51" to Engineers Station PT 32+41.70;  
Thence tangent from said curve, North 15°37'48" East 625.22 feet to Engineers Station PC 38+66.92 and the beginning of a tangent curve to the right having a radius of 1,250.00 feet;  
Thence along said curve northerly 160.79 feet through a central angle of 7°22'12" to Engineer's Station PT 40+27.71;  
Thence tangent from said curve, North 23°00'00" East 132.70 feet to Engineers Station PC 41+60.41 and the beginning of a tangent curve to the left having a radius of 925.00 feet;

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Thence along said curve northerly 339.60 feet through a central angle of  $21^{\circ}02'08''$  to Engineers Station PT 45+00.02;

Thence tangent from said curve, North  $1^{\circ}57'52''$  East 199.98 feet to Engineers Station SPB 47+00.00, said point having a calculated NAD83-91 Washington State Plane Coordinate of North 197893.42, East 1274847.65 and the terminus of said description.

The length of said Established centerline to be 2,400.43 feet or 0.45 miles.

**THIRD**

THAT said ROAD should be established 100 feet wide, being 50.00 feet typically on each side of the above mentioned Establishment centerline and described as follows:

Beginning at Engineers Station 22+99.57, said point being on the centerline of South Cloverdale Street;  
Thence parallel to said Establishment centerline for 14th Avenue South and 16th Avenue South to terminate at Engineers Station 47+00.00;

**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.



King County  
Department of Transportation

**COUNTY ROAD ENGINEER'S  
FIELD NOTES**

**Project: 14th/ 16th Avenue South**  
**South Park BRDIGE #3179**  
**REPLACEMENT**  
**CIP 300197**

In the matter of the Ordinance of the KING COUNTY COUNCIL, for the LOCATION and ESTABLISHMENT of a COUNTY ROAD, I certify tha 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.

*Paulth 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 Cloverdale Street with 14th Avenue South;  
Thence along said centerline of South Cloverdale Street, South 88°38'36" East 3.29 feet to the POINT OF BEGINNING, said point having a calculated NAD83-91 Washington State Place Coordinate of North 195553.58, East 1274397.70 at Engineers Station SPB 22+99.57;  
Thence North 1°45'40" East 230.43 feet to an angle point at Engineers Station AP 25+30.00;  
Thence North 3°17'47" East 140.00 feet to an angle point at Engineers Station AP 26+70.00;  
Thence North 1°45'57" East 39.35 feet to Engineers Station PC 27+09.35 and the beginning of a tangent curve to the right having a radius of 2,200.00 feet;  
Thence along said curve northerly 532.35 feet through a central angle of 13°51'51" to Engineers Station PT 32+41.70;  
Thence tangent from said curve, North 15°37'48" East 625.22 feet to Engineers Station PC 38+66.92 and the beginning of a tangent curve to the right having a radius of 1,250.00 feet;  
Thence along said curve northerly 160.79 feet through a central angle of 7°22'12" to Engineer's Station PT 40+27.71;  
Thence tangent from said curve, North 23°00'00" East 132.70 feet to Engineers Station PC 41+60.41 and the beginning of a tangent curve to the left having a radius of 925.00 feet;  
Thence along said curve northerly 339.60 feet through a central angle of 21°02'08" to Engineers Station PT 45+00.02;  
Thence tangent from said curve, North 1°57'52" East 199.98 feet to Engineers Station SPB 47+00.00, said point having a calculated NAD83-91 Washington State Place Coordinate of North 197893.42, East 1274847.65 and the terminus of said description.

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The length of said Established centerline to be 2,400.43 feet or 0.45 miles.

STATION	DISTANCE FEET	COURSE	CURVE NOTES	REMARKS
22+99.57				<b>BEGIN ESTABLISHMENT</b> of the realignment of 16th Avenue South.
	230.43	N1°45'40"E		
25+30.00				Angle Point
	140.00	N3°17'47"E		
26+70.00				Angle Point
	39.35	N1°45'57"E		
27+09.35			PC curve right R = 2,200.00' Δ = 13°51'51" L = 532.35'	
32+41.70				PT
	625.22	N15°37'48"E		
38+66.92			PC curve right R = 1,250.00' Δ = 7°22'12" L = 160.79'	
40+27.71				PT
	132.70	N23°00'00"E		
41+60.41			PC curve right R = 925.00' Δ = 21°02'08" L = 339.60'	
45+00.02				PT
	199.98	N1°57'52"E		
47+00.00				<b>END ESTABLISHMENT</b> of the realignment of 16th Avenue South.