

Program # 91013 - Road Engineering & Operations

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Priority: Thriving Economy
Program Offer Type: Existing Operating
Related Programs: 91014, 91017

Lead Agency: Community Services
Program Contact: Robert Maestre

Program Characteristics:

Executive Summary

The Road Engineering Program designs and builds improvements to the road system infrastructure; permits and inspects activities in the road right-of-ways; operates both a street lighting district and a sewer district; and, supports the County's other transportation services (Transportation Planning, Road Maintenance, Bridges). The program also provides for the design and maintenance of the traffic safety system. This program is responsible for projects in the unincorporated areas of Multnomah County and for the major arterials within the Cities of Fairview, Troutdale and Wood Village.

Program Description

Road Engineering provides and contracts for the engineering technical expertise to maintain and enhance the County's road, bike and pedestrian infrastructure. The program ensures compliance with local, state and federal requirements for a safe transportation system by incorporating best practices, mandates and statutory requirements into the design and construction of public transportation facilities. Road Engineering incorporates environmental Best Management Practices (BMPs) including erosion control, fish passage, recycling and wetland protection into the design of its projects. Road Engineering manages the acquisition and vacation of road right-of-ways and easements, and ensures that work in the road right-of-way is done with longevity and safety in mind. The Road Engineering section reviews all private developments affecting its roads. It supports the County's land use and transportation planning, environmental services and road maintenance programs. Its traffic safety section works with communities, engineers and developers to maximize the safety of the driving, walking and biking public.

Program Justification

Road Engineering is an essential component of the County's ability to create and sustain a thriving economy. The transportation infrastructure carries people and products efficiently and safely, allowing businesses, people and communities to prosper and grow. The County's road system is an integral part of the region's transportation network. Through project design, management, permitting and traffic safety this program supports vibrant communities. It protects our environment, especially in the areas of water and air quality. It eases congestion thereby increasing the attractiveness and livability of our communities.

Performance Measures

Measure Type	Primary Measure	Previous Year Actual (FY04-05)	Current Year Purchased (FY05-06)	Current Year Estimate (FY05-06)	Next Year Offer (FY06-07)
Output	Permits issued to work in the right of way	494	384	384	320
Outcome	Number of projects completed on time	2	7	6	5
Efficiency	Projects completed within budget	1	6	6	5
Output	Project development agreements written and implemented	9	10	10	10

Performance Measure - Description

1. Road Engineering issues permits for construction in the right of way to insure proper installation of improvements We inspect the installations of permitted work. If the work is "permitted" and inspected, public safety and the longevity of the work are assured. 2. Number of projects completed on time measures Road Engineering's ability to deliver complete projects to the public as planned. 3. Project completed within budget represents projects completed with zero cost growth from the estimate at the time the construction contract award. 4. Road Engineering reviews proposed developments connecting to or impacting the County road right-of-ways. We issue conditions-of-development approval which also provides for public safety and facility longevity.

Legal/Contractual Obligation

The legal mandates for road engineering services come in the form of construction and maintenance rules from the Federal, State and County Governments. Through the responsibilities and authority of the County Road Official and the County Engineer the County under ORS 368 has to take those actions which protect the public's interest in the transportation system. These actions include issuing permits to do work in or occupy the road right-of-way, enforcing design and construction standards and insuring that work is done in accord with other Federal and State policies such as the Endangered Species Act, the Clean Water Act and the Safe Drinking Water Act. Adherence to the Manual of Uniform Traffic Control Devices (MUTCD) is required for much of our work. With road fund revenues comes restrictions on the use of the money.

Revenue/Expense Detail

	Proposed General Fund	Proposed Other Funds	Proposed General Fund	Proposed Other Funds
Program Expenses	2006	2006	2007	2007
Personnel	\$0	\$2,283,288	\$0	\$1,553,281
Contracts	\$0	\$239,000	\$0	\$228,500
Materials & Supplies	\$0	\$247,200	\$0	\$121,500
Internal Services	\$0	\$777,520	\$0	\$618,908
Subtotal: Direct Exps:	\$0	\$3,547,008	\$0	\$2,522,189
Administration	\$0	\$0	\$59,916	\$0
Program Support	\$0	\$0	\$0	\$131,889
Subtotal: Other Exps:	\$0	\$0	\$59,916	\$131,889
Total GF/non-GF:	\$0	\$3,547,008	\$59,916	\$2,654,078
Program Total:	\$3,547,008		\$2,713,994	
Program FTE	0.00	0.00	0.00	15.50
Program Revenues				
Indirect for dep't Admin	\$18,830	\$0	\$21,481	\$0
Fees, Permits & Charges	\$0	\$124,000	\$0	\$135,000
Intergovernmental	\$0	\$75,000	\$0	\$837,189
Taxes	\$0	\$1,964,823	\$0	\$650,000
Other / Miscellaneous	\$0	\$1,383,185	\$0	\$900,000
Program Revenue for Admin	\$0	\$0	\$1,274	\$131,889
Total Revenue:	\$18,830	\$3,547,008	\$22,755	\$2,654,078

Explanation of Revenues

The program is funded by "Road Funds". Road Funds are a combination of Motor Vehicle Excise Tax and Gas Tax revenues that come to the County through the State of Oregon along with Grants and/or loans from a number of State and Federal sources that are designated for specific capital improvement projects.

Significant Program Changes

✔ Significantly Changed

Last year this program was: #90012, Road Engineering & Operations

Major change in the program is anticipated because we will be doing significantly fewer capital improvement projects as no new revenues have been identified to pay for capital project work.

The second major change is the legal jurisdiction of County roads located within the city limits of Gresham has been transferred from the County to the City of Gresham.