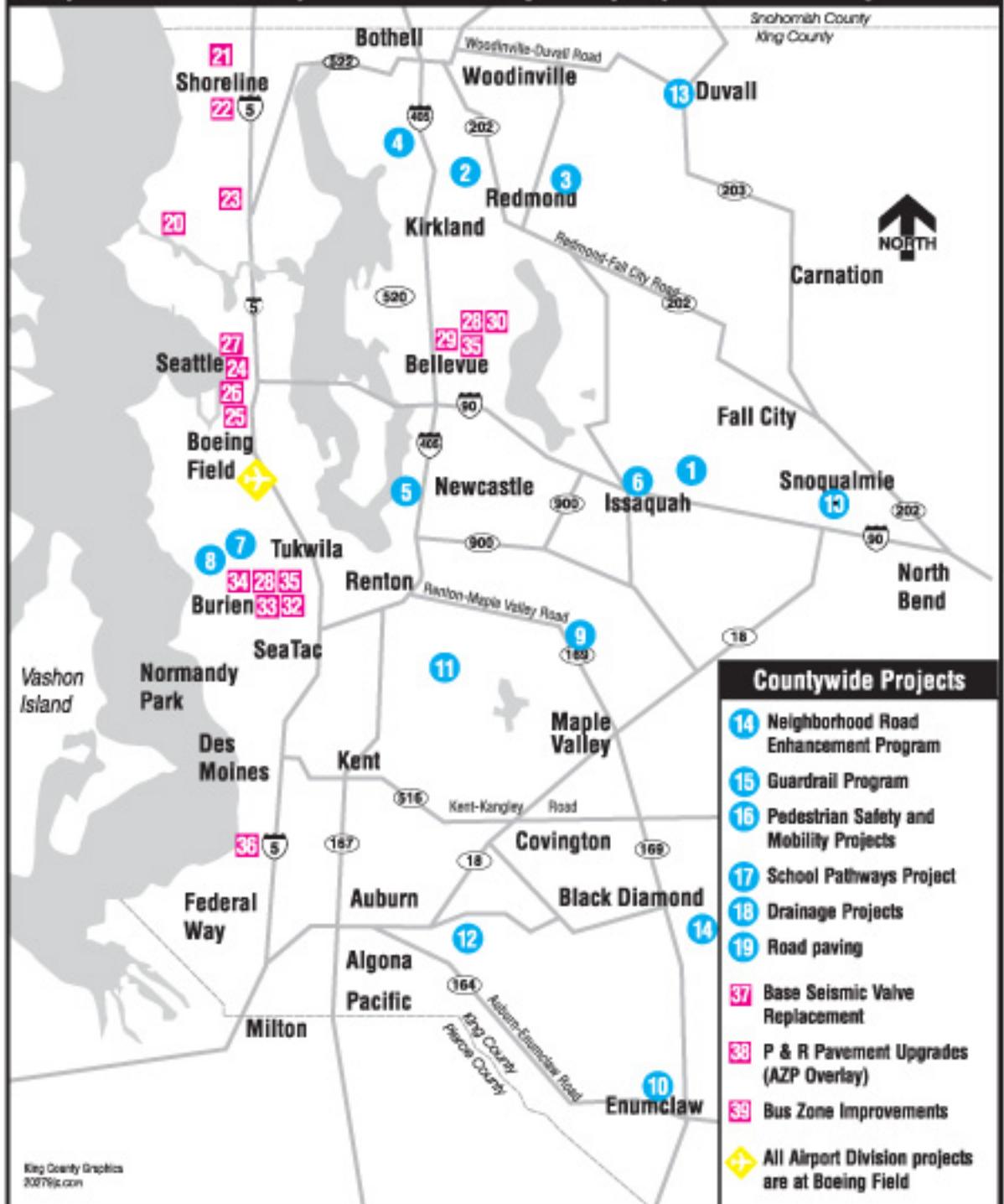


King County Department of Transportation

Major Construction Projects for 2002



Major Construction Projects for 2022—King County Department of Transportation



This guide describes major projects the King County Department of Transportation has scheduled for construction in 2022. Total project cost of Road Services Division improvements listed in this publication is approximately \$94 million. Total project cost of Metro Transit Division improvements is approximately \$89 million. Total project cost of Airport improvements is approximately \$18 million. Many small-scale projects also scheduled for 2022 are not included in this guide.



3 208th Avenue Northeast at Union Hill Road, Sammamish Plateau (#100501)

Location: Intersection of 208th Avenue Northeast and Union Hill Road

Project description: Provide turn lanes, widen shoulders, install traffic signals and lighting. This project will enhance traffic flow and safety.

Estimated cost: \$1.8 million

1 SPAR - North Link, Issaquah (#101289)

Location: Grand Ridge to Issaquah-Fall City Road

Project description: Construction of a new road linking the Sammamish Plateau Access Road (South Link) to Issaquah-Fall City Road in the vicinity of the intersection of Issaquah-Fall City Road and Issaquah-Pine Lake Road. The project will improve traffic flow and access to the Sammamish Plateau.

Estimated cost: \$25.5 million

2 Northeast 124th Street Phase II, Northshore area (#100389)

Location: 132nd Place Northeast to State Route 202

Project description: Construction of a four-lane roadway from the end of stage I to the intersection improvements at SR 202, including replacement of the bridge crossing the Sammamish River and signal replacement at Northeast 124th Street and SR 202. The project will improve safety and traffic flow.

Estimated cost: \$9 million

4 NE 124th Street Signal Interconnect, Northshore area (#101496)

Location: 100th Avenue Northeast to State Route 202

Project description: Project involves interconnection of signals and installation of cameras for corridor and incident management. This project will also install Transit Signal Priority to better move buses through congested intersections. This is a joint project between KCDOT, Kirkland and WSDOT. The project will improve traffic flow.

Estimated cost: \$3 million

5 Ripley Lane, Bellevue/Renton area (#200799)

Location: Ripley Lane from Renton city limits to Bellevue city limits

Project description: Construct enclosed drainage system along Ripley Lane and overlay roadway. By stabilizing slope embankment, this project will prevent erosion and undermining of railroad.

Estimated cost: \$567,000

6 East Lake Sammamish Parkway Safety, Sammamish Plateau near Issaquah (#201197)

Location: East Lake Sammamish Parkway between Issaquah-Fall City Road and westbound on-ramp to Interstate 90

Project description: Widen the existing five-lane road to include an additional southbound lane. Construct a northbound right-turn lane onto Issaquah-Fall City Road and minor channelization improvements north of Issaquah-Fall City Road. Project will improve traffic flow and reduce congestion.

Estimated cost: \$3.1 million



7 South 120th Street, Boulevard Park (#300400)

Location: South 120th Street between Des Moines Way and Military Road South

Project description: Construct sidewalks and drainage improvements along both sides of South 120th Street. This project will enhance roadway and pedestrian safety and provide links to bicycle routes.

Estimated cost: \$1.5 million

9 Cedar Mountain Bridge, Renton/Maple Valley (#400395)

Location: Crossing Southeast Jones Road near State Route 169

Project description: Replace structurally deficient bridge with a new precast concrete girder bridge. The new bridge will include two 11-foot travel lanes, two eight-foot shoulders and intersection improvements on Southeast Jones Road at the SR 169 intersection. The project will also include removal of the Cedar Mountain Ramp and new driveway access provided off of SR 169. The new bridge will improve traffic flow and safety.

Estimated cost: \$7.4 million

8 10th Avenue Southwest, White Center (#301000)

Location: 10th Avenue Southwest between Southwest 108th Street and Southwest 116th Street

Project description: Construct sidewalk along east side of the street. Coordinate project with anticipated Parks Department improvements to Lakewood Park. Project will improve pedestrian safety.

Estimated cost: \$805,000



10 244th Avenue Southwest, Enumclaw area (#400895)

Location: Southeast 456th Street to Sunset Elementary School

Project description: Provide a left-turn lane with sidewalk on the east side of the roadway from Southeast 469th Street to Wetherbee Lane. Pave an eight-foot-wide shoulder on the west side of the roadway for one-half mile. Provide a large-diameter underground pipe system on the east side of the roadway to improve drainage. This project will provide safer access between Sunrise Elementary School and adjacent residential development.

Estimated cost: \$3.9 million

**11 140th Avenue Southeast,
Fairwood area (#401195)**

Location: 140th Avenue Southeast from Petrovitsky Road to Southeast 197th Street.

Project description: Widen the existing two-lane road to four travel lanes and a continuous dual left-turn lane. Construction includes sidewalks, drainage systems, detention ponds, wetland mitigation, illumination, bicycle lanes, two modified traffic signals, erosion control, retaining wall, landscaping and utility coordination. This project will improve safety and traffic flow. Work on this project began in 2001.

Estimated cost: \$22.2 million

**12 154th Avenue Southeast at
Southeast 296th Street, Auburn
area (#401197)**

Location: In the vicinity of the intersection of 154th Avenue Southeast and Southeast 296th Street.

Project description: Realign approximately one-tenth of a mile of the existing road and stabilize hillside to prevent further erosion, including provision of bank protection along Soos Creek. The project will reduce potential for future road closures.

Estimated cost: \$651,000

**13 Woodinville-Duvall Bridge,
Duvall area (#C72621)**

Location: Northeast Woodinville-Duvall Road crossing the Snoqualmie River

Project description: Repair and upgrade bridge to increase load capacity. This project will restore community mobility, particularly for emergency vehicles and farm and trucking businesses.

Estimated cost: \$2.5 million

**14 Neighborhood Road
Enhancement Program
(#RDCW24)**

Location: Countywide

Project description: Develop and implement small neighborhood improvement projects, such as sidewalks, paved shoulders and traffic calming projects, as recommended by community associations or councils in unincorporated neighborhoods.

Estimated cost: \$663,000

15 Guardrail Program (#RDCW04)

Location: Countywide

Project description: Install guardrails along county arterials at 10 to 15 locations to improve safety.

Estimated cost: \$900,000

**16 Pedestrian Safety and Mobility
Projects (#RDCW06)**

Location: Countywide

Project description: Construct pedestrian improvements such as bicycle lanes, sidewalks and paved shoulders to improve safety and mobility along county roads.

Estimated cost: \$1 million



17 School Pathways Project (#RDCW13)

Location: Countywide

Project description: The School Pathways Project is a joint activity of King County and the school districts. Each spring, the districts submit projects that would improve pedestrian safety and access to neighborhood schools. Projects are selected using the following criteria: the priority rating given the project by the school district, cost, location, size and feasibility. Projects may include new sidewalks, crosswalks, signage and paved shoulders.

Estimated cost: \$1.9 million



18 Drainage Projects (#RDCW18)

Location: Countywide

Project description: Improve roadway drainage in areas with potential hazards.

Estimated cost: \$1.2 million

19 Road Paving (#RDCW26)

Location: Roads countywide

Project description: Repave approximately 64 miles of roads in unincorporated King County to improve driving surfaces.

Estimated cost: \$3.6 million



Metro Transit Division

20 Ballard Transit Hub, Seattle

Location: Northwest Market Street between 17th Avenue Northwest and 24th Avenue Northwest

Project description: Improve bus zones and adjacent sidewalks on Northwest Market Street in Ballard. The project includes enhancements to pedestrian access, shelters and lighting at existing bus zones along the corridor.

Estimated cost: \$500,000

21 Aurora Village Transit Center, Shoreline

Location: Between North 195th Street and North 200th Street near Aurora Avenue North

Project description: This project expands the Transit Center to improve passenger facilities and accommodate future growth of bus service. Improvements in accessible parking are also included, along with new shelters, improved driver amenities, new art features and opportunities for concessions.

Estimated cost: \$2.5 million

22 North Base Concrete Panel Replacement Project, Shoreline

Location: North 165th Street and Interstate 5

Project description: This project will rehabilitate and preserve the life of the pavement by correcting localized problems and preventing water intrusion. Project will seal cracks and replace individual concrete panels in the bus yard area.

Estimated cost: \$470,000

23 Northgate Park and Pool, Seattle

Location: South of Northgate Mall and immediately east of King County Metro's Northgate Transit Center, between Northeast 100th Street and Northeast 103rd Street

Project description: Metro Transit acquired an existing parking lot south of the Northgate Mall



that will provide 500 new park-and-ride spaces at the Northgate Transit Center. Improvements will be made to the existing lot's pavement, landscaping and walkways.

Estimated cost: \$300,000

24 Downtown Seattle Tunnel Project – Elevator Hydraulic Piping Replacement, Seattle

Location: Third Avenue

Project description: Replace hydraulic elevator piping for 11 of the downtown Seattle tunnel elevators. This project is part of elevator mid-life rehabilitation work needed to maintain the equipment in safe and reliable operating condition.

Estimated cost: \$385,000

25 Ryerson Base Vehicle Exhaust System, Seattle

Location: 1220 Fourth Avenue South

Project description: Replace existing vehicle exhaust system. The original system has reached the end of its useful life.

Estimated cost: \$250,000

26 Atlantic Base Projects, Seattle

Location: 1555 Airport Way South

Trolley Parking Concrete Replacement

Project description: The bus yard paving is 30 to 50 years old and sections have reached the end of their useful life. This project will rehabilitate concrete and replace broken sections.

Estimated cost: \$527,000

Replace Bus Washer

Project description: The Atlantic Base bus washers are 20 years old and in need of replacement. The original equipment is obsolete and no longer practical to repair or operate.

Estimated cost: \$1 million

27 Trolley Central Substation Replacement, Seattle

Location: Sixth and James

Project description: This project will relocate the Central Substation, now located in leased space in the Expediter's Northwest Offices at Third and Madison, to a new location at Sixth and James under the freeway. The site will be developed to support a new substation, installation of ducts to connect to the existing trolley power grid, and removal of the old equipment.

Estimated cost: \$11.5 million

28 East Base & South Base Vehicle Maintenance Operations Remodel, Bellevue and Tukwila

Location: East Base, 1975 124th Avenue Northeast, Bellevue

South Base, 12100 East Marginal Way South, Tukwila

Project description: This project will improve operations, provide additional space and update building systems. Energy-efficient and recycled materials will be incorporated in the construction.

Estimated cost: \$8.9 million

29 Bellevue Multi-Modal Transit Center, Bellevue

Location: Northeast 6th Street & 108th Avenue Northeast

Project description: King County Metro is in partnership with Sound Transit, which is designing and constructing the project to improve Bellevue Transportation Center (BTC). The BTC project includes expansion and reconstruction of the existing Bellevue Transit Center; modifications to the intersection of Northeast 6th Street and 110th Avenue Northeast; widening of Northeast 6th Street east of 110th Avenue Northeast; bus zone and bus layover improvements throughout downtown Bellevue to support distributed transit service; and coordination with the Bellevue I-405 HOV Direct Access Project.

Estimated cost: \$1.6 million (Metro share)

30 Bellevue Base Steam Clean Lift

Location: 1790 124th Avenue Northeast

Project description: This project installs a bus lift at Bellevue Base to allow an existing area of the building to be used to steam-clean coaches as part of the repair process.

Estimated cost: \$250,000

31 Eastgate P&R Structured Parking/P&R Interim Lot, Bellevue

Location: 14200 Southeast Eastgate Way

Project description: As part of the executive's Park-and-Ride Expansion Initiative, Eastgate P&R will be expanded by 1000 spaces. To accomplish this expansion, a five-story garage will be built on the existing site. During construction a temporary facility will be built at the County Solid Waste site approximately 0.3 miles to the west to make up for the loss of space at the existing site.

Estimated cost: \$33.1 million



32 Component Supply Center Maintenance Lighting Upgrade, Tukwila

Location: 12200 East Marginal Way South

Project description: Replace lighting fixtures that have outlasted their life expectancies. With the aging of light fixtures and obsolescence of inexpensive, cool-white fluorescent lamps due to the U.S. Energy Policy Act of 1992, Metro began a program to improve lighting at older transit bases and shops. This project will improve lighting, lower energy consumption and reduce maintenance costs.

Estimated cost: \$450,000

33 Component Supply Center – Dynamometer Fluid Cooler Replacement, Tukwila

Location: 12200 East Marginal Way South

Project description: The engine dynamometer uses a fluid cooler to dissipate waste heat to the atmosphere. The fluid-cooling tower was installed in 1978, has exceeded its service life and is no longer able to function properly. This project will

replace the cooler and controls, and install filtration and chemical treatment to protect equipment from deterioration.

Estimated cost: \$190,000

34 South Facilities Shelter Refurbishment, Tukwila

Location: 11911 East Marginal Way South

Project description: This project will make improvements to the South Facilities' bus shelter fabrication and painting facility to increase its capacity and efficiency. A new paint-and-dry booth and reconfigured office spaces are the primary elements, in addition to bringing the supporting fire venting and electrical up to current code requirements. This will increase the number of shelters that can be assembled or refurbished.

Estimated cost: \$1.2 million

35 Base Hydraulic Lift Replacement, Bellevue and Tukwila

Location: East Base, 1975 124th Avenue Northeast, Bellevue; South Base, 12100 East Marginal Way South, Tukwila; Component Supply Center, 12200 East Marginal Way South, Tukwila

Project description: Replace platform lifts at East Base, South Base and Component Supply Center. Metro built these bases around 1978 and installed hydraulic lift equipment of the same design, configuration and manufacture. The in-ground platform lifts have exceeded their 15-year life expectancy and will be upgraded with new equipment and current technology. The new platform lifts will provide safety enhancements not currently available.

Estimated cost: \$5.3 million

36 Redondo Heights Park-and-Ride Lot, Federal Way

Location: 27454 Pacific Highway South (State Route 99)

Project description: This project will build a 700-stall Park-and-Ride lot, including passenger loading areas, bus layover space, storm drainage facilities, street improvements, traffic signal installation, driver comfort station, and public art. This site is on the east side of Pacific Highway South, north of South 276th Street.

Estimated cost: \$18.2 million

37 Base Seismic Gas Valve Replacement

Location: All transit bases, Shoreline, Seattle, Bellevue and Tukwila

Project description: Replace obsolete seismic valves at major facilities. These valves automatically shut off the natural gas supply during an earthquake.

Estimated cost: \$100,000

38 Park-and-Ride Pavement Upgrades – ACP Overlay

Location: Star Lake P&R, I-5 & South 272nd Street; Kingsgate P&R, I-405 & Northeast 132nd Street; Kent/Des Moines P&R, I-5 & Kent-Des Moines Road; South Bellevue P&R, Bellevue Way Southeast & 112th Avenue Southeast

Project description: Upgrade asphalt pavement at certain Park-and-Ride facilities. This includes removal and replacement of damaged asphalt, subgrade and curbs. In some locations, a seal coat application will be used to rejuvenate the asphalt in lieu of an overlay.

Estimated cost: \$750,000

39 Bus Zone Improvements

Location: Countywide

Project description: Improve passenger amenities such as passenger shelters, benches, lighting, landing pads and curb ramps at about 115 sites. The changes will improve passenger safety and comfort, and make the bus zones accessible for people with disabilities.

Estimated cost: \$1.8 million





upgrades, signage and seismic upgrades. The second floor will be remodeled for the Airport Administration offices. New U.S. Customs, Immigration and USDA offices, holding/interview rooms and inspection areas will be located on the first floor. The exterior of the building will be painted and new canopies added at the east and west facades. Construction is scheduled to begin in June 2002, with completion to coincide with the Airport's 75th anniversary celebrations in July 2003.

Estimated Cost: \$4 million - \$5 million

(All projects located at King County International Airport/Boeing Field)

40 Runway 13L – 31R Rehabilitation

Project Description: Asphalt overlay of the existing 3700-foot Runway 13L-31R. Other aspects of the project include installing a sub-drainage system along both sides of the runway, installing runway end identifier lights (REILs) and lighted distance-to-go signs. In addition, the project includes remaining earthquake pavement repairs on Runway 13R-31L and associated taxiways. This project began in September 2001, but due to inclement weather, work was suspended in October 2001 and is scheduled to resume and be completed in May 2002.

Estimated Cost: \$2.2 million

41 Passenger Terminal Building Renovation

Project Description: Remodeling and historical renovation of the Passenger Terminal Building. Renovation includes interior finishes, furniture in the public areas, acoustical and security upgrades, lighting and electrical system replacement, installation of fire alarm system and sprinklers, restroom

42 Drainage System Improvements – Southwest Pump House

Project Description: Replacement of various storm drainage system pumps and controls, installation of new oil-water separators and other work to comply with EPA storm-water permit requirements. This project will be incorporated into the scope for the Lot 14 Redevelopment project, which will represent a significant cost savings to the county in both design and construction expenses. Design is under way, with construction to commence later this year for completion by December 2002.

Estimated Cost: \$500,000

43 Water System Upgrade

Project Description: The airport's existing water distribution system is over 55 years old, with some of the lines running under the runways. Previous breaks in the lines have created concern about a possible break under a runway that would cause major operational problems while repairs were being made. This

project will bring a new line from the west side to the east side of the airport, under the main runway. A 16-inch line would be installed along the east side of the airport for domestic and fire-prevention purposes. The existing water lines would then be abandoned. Design has been completed and project construction is scheduled to commence June 2002 with substantial completion by September 2002.

Estimated Cost: \$1.3 million - \$1.6 million

44 **Lot 14 Redevelopment**

Project Description: The Museum of Flight is undergoing significant expansion of its galleries at King County International Airport/Boeing Field. Part of this expansion will require the relocation of two existing T-hangars and numerous aircraft tie-downs from the north end of the museum to Lot 14 (former Boeing property), near midfield on the west side of the Airport. The Airport will augment the relocation of the two hangars and tie-downs with construction of two additional hangars to meet the increased public demand. This project is scheduled to commence in April 2002 and be substantially completed by December 2002. In addition to the new construction, the Airport is making significant improvements to utilities, including a stormwater run-off filtering system and enhanced safety features for air traffic at the site.

Estimated Cost: \$3.1 million

45 **Maintenance Facility Improvements**

Project Description: Replacement of the existing airport maintenance shops currently on the site. The east third of the existing building will be demolished after personnel and equipment have been relocated. This will allow for construction of the new facility, which includes 18,500 square feet of maintenance shops and offices; a 3,250 square-foot auto maintenance shop; and 8,000 square feet of training facility. Once construction of this facility is completed, the personnel and equipment will be relocated from the existing building and the remaining portion will be demolished, after which parking and site work will be completed. An 8,900 square-foot open vehicle and material storage, wash bay and fueling station structure will be built at the northeast corner of the site. This project is in the schematic design phase, with construction to commence in March 2003.

Estimated Cost: \$5.6 million

Online information

This publication will be posted on the Department of Transportation's Web site at <http://www.metrokc.gov/kcdot/alts/dotcon/dotcon02/dotcon02.htm>.

You can find out more about other current or planned road, transit and airport projects at <http://www.metrokc.gov/kcdot/alts/dotcon/dotcon.htm>.

For this information in alternative formats for people with disabilities, call (206) 684-1162 (voice) or (206) 684-1682 (TTY).

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