

**City of Mill Creek
2009-2015 Capital Facilities Plan
Brief Project Descriptions**

Transportation:

T-01: Concrete Replacement Program - Ongoing Citywide project to repair or replace damaged sections of curb, gutter and sidewalk, improve street drainage, reduce trip hazards in pedestrian areas and install or modify ADA ramps. Coordinated with the overlay program to occur the year before the overlay. Last construction contract was in 2005. Frequency reduced from every other year to every third year in the 2007 - 2013 CFP.

T-06: Dumas Road - Wetland Monitoring - Code required five-year monitoring of wetland buffer mitigation work at southwest corner of Dumas Road and Park Road. Roadway improvement project was constructed in 2005, wetland monitoring started in 2006. Funding is from TIB grant obtained for construction.

T-19: North Creek Drive at Trillium Boulevard Traffic Signal - Install new traffic signal or roundabout when warranted. Unlikely to be needed until the Sports Park Expansion is operational. This project is a component of City's traffic mitigation plan, so fees are being collected from new development to fund the project.

T-21: Citywide Lighting Program - Ongoing program to install new or modify existing street and pedestrian lighting in spot locations around the City. Typically not intended, nor sufficiently funded, for larger lighting projects.

T-23: Traffic Calming Program - Ongoing program to install traffic calming devices to improve neighborhood livability and pedestrian safety. Improvements can include additional signing, pavement markings, speed "humps," medians/islands, mini-roundabouts, flashing crosswalk lights, pavement speed radar signs, etc. Improvements are evaluated and prioritized when citizen requests are received. Project was in previous CFP and budget. City Council approved the formation of a formal citywide traffic calming program in April 2006 and it has been well received by citizens.

T-28B: Seattle Hill Road at 25th Ave SE Traffic Signal - Install a new traffic signal at the intersection of 25th Avenue SE and Seattle Hill Road (SHR) and interconnect to other signals along SHR. Was included in the 2005-2011 CFP as part of a larger SHR improvement project (T-28) with two phases. Phase 1 was pedestrian safety improvements; phase 2 was the new signal. Intersection projects were separated to allow different prioritization and funding allocations. The project is a component of the City's traffic mitigation program. Current traffic Level of Service (LOS) is "E" which matches the minimum LOS adopted in the City's Comprehensive Plan.

T-28C: Seattle Hill Road at 32nd Ave SE Traffic Signal - Install a new traffic signal at the intersection of 32nd Avenue SE and Seattle Hill Road (SHR) and interconnect to other signals along SHR. Was included in 2005-2011 CFP as part of bigger SHR intersection improvement project (T-28) with two phases. Phase 1 was pedestrian safety improvements; phase 2 was a new traffic signal. Intersection projects were separated to allow different prioritization and funding allocations. The project is a component of the City's traffic mitigation fee program. Current traffic Level of Service (LOS) is "E" which matches the minimum LOS adopted in the City's Comprehensive Plan.

T-29: Mill Creek Boulevard at 153rd Street SE Improvements - Improvements to the intersection of Mill Creek Boulevard with 153rd Street SE. Need to perform study to determine appropriate improvements. Project in prior CFPs based on concern of impacts of traffic from the Town Center. It is currently in the City's traffic mitigation fee program.

T-30A: 164th Street SE at SR 527 Improvements - Signal Intertie - The first and least expensive phase of a project with four components to improve traffic flow and reduce congestion on 164th Street SE between SR 527 and Mill Creek Boulevard. The overall project (both T-30A & T-30B) consists of the following elements: (1) signal intertie between Mill Creek Blvd and SR 527; (2) extending eastbound left turn lane on 164th St SE to northbound SR 527; (3) extending eastbound right turn lane on 164th St SE to southbound SR 527 (but not across bridge), and (4) creating dual left turn lanes on southbound SR 527 to eastbound Mill Creek Road. The project was in the previous CFP but was modified after completion of a scoping study in March 2008 by KPG. The project does not include pavement overlay work, but that would be a logical scope expansion.

T-30B: 164th Street SE at SR 527 Improvements - Design and Construction - The design, right-of-way acquisition and construction phase of a project with four components to improve traffic flow and reduce congestion on 164th Street SE between SR 527 and Mill Creek Boulevard. The overall project (both T-30A & T-30B) consists of the following elements: (1) signal intertie between Mill Creek Blvd and SR 527 (project T-30A); (2) extending eastbound left turn lane on 164th St SE to northbound SR 527; (3) extending eastbound right turn lane on 164th St SE to southbound SR 527 (but not across bridge), and (4) creating dual left turn lanes on southbound SR 527 to eastbound Mill Creek Road. The project was in the previous CFP but was modified after completion of a scoping study in March 2008 by KPG. The project does not include pavement overlay work, but that would be a logical scope expansion.

T-31A: 9th Avenue SE Reconstruction - Rebuild existing 9th Avenue SE roadway south of Penny Creek to North Creek Park. Roadway would be 3 lanes wide with typical curb, gutter and sidewalk, planter strips, street lighting and new stormwater facilities. Project was in the previous CFP. It is the remaining portion of a larger project that was split for affordability. The other portion, widening 9th Ave SE between 164th Street SE and Penny Creek, was completed in 2008. There is no current development activity along this portion of 9th Ave SE driving the need for the project, but it is retained in the CFP to maintain grant eligibility and because it is a component of the City's traffic mitigation fee program. Total estimated cost is \$2 million - \$1 million in City funds and \$1 million developer obligation as the land along the road redevelops.

T-32: (Old) Seattle Hill Road Reconstruction - Reconstruct (Old) Seattle Hill Road to create a 3-lane roadway with sidewalks, lighting and drainage improvements similar to the Dumas Road project. It could be a joint project with Snohomish County depending on timing of any annexation or development of the surrounding area. The project was in the previous CFP. There is no current development activity along this portion of (Old) Seattle Hill Road driving the need for the project, but it is retained in the CFP to maintain grant eligibility and be a "project of record." Total estimated project cost is \$4 million – \$1 million City funds and \$3 million balance from the County and new development in the immediate area.

T-33: (Old) Seattle Hill Road at SR 527 Traffic Signal - Install a new traffic signal at the intersection of (Old) Seattle Hill Road and SR 527 when warranted. This may be a joint project with Snohomish County or done in conjunction with project T-32, the reconstruction of (Old) Seattle Hill Road. The project was in the previous CFP, and it is included in the City's traffic mitigation fee program.

T-34: Street Overlay Program - An ongoing program to perform major repair and rehabilitation of the City's street system. Typical work includes crack filling, removal and replacement of failed pavement, patching and asphalt overlays on residential, collector and arterial streets. The timing of this project is coordinated with T-01, the concrete replacement program.

T-35: 35th Avenue SE Repairs - Project to repair or rebuild portions of 35th Avenue SE as needed between 144th Street SE and 132nd Street SE. Potential cost sharing with Snohomish County through an existing Interlocal Agreement. 35th Ave SE was annexed into the City in December of 2005. The roadway was constructed on a peat bed and has continual maintenance issues due to settlement. This project is included in the City's traffic fee mitigation program. Standing water after heavy rains sometimes blocks outside lanes. The project will be undertaken in phases, currently scheduled at two-year intervals, as the road will continue to settle with time.

T-36B: Village Green Drive at 148th Street SE Crosswalk and Sidewalk - Construction of a new crosswalk on 148th Street SE at Village Green Drive and a connecting sidewalk. Purpose is to provide a marked crosswalk and sidewalk where many people are already walking and crossing 148th Street SE. Sidewalk would tee off of existing sidewalk on east side of Village Green Drive approximately 200' south of 148th Street SE and run parallel to Village Green Drive to the intersection. A short retaining wall will be required for most of the 200' length.

T-38: Traffic Signs and Pavement Markings Replacement Program - An ongoing program to replace damaged or faded traffic control and street name signs and thermoplastic pavement markings, primarily crosswalks but including other pavement markings as necessary. The 2009 budget is larger to be a "catch up" year and every other year thereafter would involve routine replacements.

T-40: SR 527 at 151st Street SE Intersection Modification - A project to improve the safety of this intersection. Initial action will restrict left turn movements from 151st onto SR 527 as pilot project. If problems persist, the scope of work will expand to include physical intersection modifications. This intersection should be positively impacted by proposed improvements to the signalized 153rd Street SE/SR 527 intersection by WSDOT.

T-41: East Gateway Urban Village Spine Road Study - The purpose of this project is to define the ROW corridor (but not exact street location) through the East Gateway Urban Village for the primary spine road that will serve this development. It will include a topographic survey along the probable corridor to define existing features and slopes; a traffic study to obtain preliminary approval for future signals on 132nd Street from WSDOT and on Seattle Hill Road from Snohomish County; and meetings with the property owners and city to define an approximately 100'-150' wide corridor in which the final road will be constructed.

T-42: 132nd Street SE at 39th Avenue SE Traffic Signal - Installation of a new traffic signal at 132nd Street SE and 39th Avenue SE, the intersection at the west end of the new East Gateway Urban Village spine road. Funding assumes 50% participation by development.

T-44: Nickel Creek Park/(Old) Seattle Hill Road Sidewalk Lighting - Install City standard path lights and City standard concrete street lights along (Old) Seattle Hill Road and the detached sidewalk near Nickel Creek Park to improve pedestrian lighting. Due to budget limitations the lighting will be limited to the minimum necessary to improve the current situation.

T-46: Pedestrian Lighting and Sidewalk R&R - Village Green Drive at Country Club - Repair and replace damaged sidewalk sections and install 6 pedestrian lights along approximately

600' of sidewalk on the southeast side of Village Green Drive across from Country Club Drive as it connects to the cart path that goes through the tunnel under Village Green Drive.

Parks:

P-02B: Cougar Park Phase 2 Improvements - Construction of a basketball half court, cable ride activity area, asphalt trail to 35th Avenue SE and complete the wood rail fence per approved Master Plan. Phase 1 construction was completed in early 2006, Phase 2 elements were not included at that time due to lack of funding.

P-03B: Hillside Park Phase 2 Improvements - Construction of a picnic shelter and restroom as shown in the approved Master Plan. Phase 1 construction was completed in early 2006; Phase 2 elements were not included due to lack of funding. The costs were updated from the previous CFP based on actual costs of similar facilities in Cougar Park. Some Park Mitigation fees collected for this park must be spent by 2010 per SEPA laws. Exact scope of initial work in 2010 will be consistent with the master plan, but is yet to be finalized. Installation of a free standing picnic shelter is a leading candidate.

P-11: Nickel Creek Park Improvements - Install fencing along West side of trail; upgrade irrigation system to centralized control; improve lighting in park. Previous CFP called for a restroom facility that would also serve the Nickel Creek Trail project, but that project was cut from this CFP, and the restroom concept has been opposed by the neighborhood.

P-15: North Pointe Neighborhood Park - Master plan, design and construction of neighborhood park facilities. Could include restroom, picnic shelter, play areas, etc. Park land was dedicated to City with the North Pointe final plat. Cost estimate was updated based on the improvements constructed at Cougar Park.

P-24: West Pine Meadow Park Improvements - Installation of picnic tables, benches and short trail. A carry over from the previous CFP. The project is scoped for materials only and assumes labor will be provided by neighborhood volunteers.

P-25: Highland Park Repairs and Renovations - Repair portions of the drainage system that are non-functional, causing soggy turf; repair asphalt trail damaged by tree roots; install a new picnic shelter and replace the playground equipment with the addition of an ADA accessible play toy. Park Board considers these repairs/renovations a high priority.

P-28A: Mill Creek Sports Park Expansion - Design Phase - Design phase of the Mill Creek Sports Park expansion on the recently purchased 10 acres adjacent to the Sports Park. The overall project was divided into design and construction phases with the rationale that the design should be completed immediately to improve chances for a construction grant.

P-28B: Mill Creek Sport Park Expansion - Construction Phase - The construction phase of the Mill Creek Sports Park expansion on the recently acquired 10 acres adjacent to the Sports Park. Moved to 2011 to provide time to seek and secure grants and not burden the 2009-2010 budget.

P-29: Citywide Park Repairs and Minor Improvements - Park Board recommendations: Heron Park - replace play area sand with woodchips - high priority. Nickel Creek Park - 60' fence along trail to keep balls out of pond - high priority. Mill Creek Sports Park - coat hooks for skateboarders - high priority. Add skateboard rails - medium priority. Silver Crest Park - coat hooks by basketball court - high priority. Cougar Park - pathway through landscaping - medium

priority. Highlands Park - low basketball hoop for kids & repair tennis court fence - medium priority. Pine Meadow Park - new bench - medium priority. Staff moved Library Park drainage & play area sand replacement with wood chips to this project and deleted separate Library Park project.

P-30: Heron Park Repairs - Park Board Recommendations: Repair drainage on side of tennis court - high priority. Address turf drainage problems - medium priority. Resurface tennis court - low priority. Replace broken curbing in parking lot - low priority. Replace sidewalk displaced by tree roots - low priority. A more generalized Heron Park project for \$100,000 was not recommended for funding in 2007. This project is more specific, and with the exception of the tennis court resurfacing is all that is necessary to maintain the full usefulness of the park. The proposed funding should cover these repairs, excluding the tennis court resurfacing.

P-31: East Gateway Urban Village Neighborhood Park - Development of a new neighborhood park in the East Gateway Urban Village as shown in the comprehensive master plan. The land for the park will probably be negotiated with one or more of the developers at the time of development. The cost of the land dedicated for the park will be credited against the park mitigation fees.

Facilities/Other:

O-01: City Facilities - Minor Equipment Repair/Replacement - Ongoing program to replace minor facility features like doors, locking systems, alarm systems, landscaping, etc. in all City owned buildings.

O-10A: City Wayfinding Signage - Phase 2 - Continue program of fabrication and installation of new wayfinding signs along Mill Creek roadways and at public facilities such as parks and City Hall. Consists of primary, secondary and tertiary identification with directional signage. Phase 1 installations were completed in 2007. Remaining work will be phased. Phase 2 will install three city entry signs and a new City Hall sign in 2009. Phase 3 will install the remaining eight signs in 2011 at the Library and Cougar, Hillside, Silver Crest, Pine Meadow, Heron, Highlands and Nickel Creek Parks.

O-10B: City Wayfinding Signage - Phase 3 - Final phase of existing City Wayfinding Signage project. Consists of primary, secondary and tertiary identification with directional signage. Phase 1 installations were completed in 2007. Remaining work will be phased. Phase 2 will install three city entry signs and a new City Hall sign in 2009. Phase 3 will install the remaining eight signs in 2011 at the Library and Cougar, Hillside, Silver Crest, Pine Meadow, Heron, Highlands and Nickel Creek Parks.

O-22: City Buildings Security Improvements - Improve and upgrade security at city facilities, primarily City Hall, including new doors and locking system, entry way, bollards, front counter screen, alarm system, etc.

O-23: Public Works Maintenance Shop - move the Public Works Maintenance operation from City Hall to another facility more appropriate for equipment and storage of materials. The CFP Committee recommended not using the Cook Property. Location of facility to be determined.

O-24: Police Station - move Police Station to accommodate expanded staff and space needs. Options include a major remodel of the Annex Building or expansion of the Library building as well as a new structure on another site.

O-25: City Hall Remodel - Remodel existing City Hall after Police Department and Public Works Operations move to different locations to better utilize remaining space.

O-26: City Hall HVAC Control System Replacement - Replace the existing HVAC control system for City Hall that is 20 years old and does not work well. There are numerous complaints from staff that their work areas are too hot or cold resulting in many service technician calls. Net result is a minor loss in productivity and increased O&M costs.

O-27: Minor ADA Improvements - Citywide - Create a funding source for miscellaneous small ADA compliance improvements needed at city facilities or in public rights-of-way. The City has a legal obligation to provide ADA accessibility for public facilities and this program establishes a small annual fund to use for the miscellaneous projects that are needed.

Surface Water:

SW-09: Mill Creek Road Bridge Over Penny Creek - Wetland Monitoring - Continuation of code required five-year monitoring of wetland buffer mitigation work completed as part of bridge construction project.

SW-13: (Old) Seattle Hill Road Culvert Replacement at Nickel Creek – The existing culvert for Nickel Creek under Old Seattle Hill Road would have to be made much larger if it is replaced to meet current environmental regulations. This project would address the design and construction of a replacement bridge for the existing culvert and would include road widening at the new bridge for sidewalk and safety railing. There is no immediate need for the project, but it must be in the CFP to be eligible for grants, so this inclusion functions as a “place holder” for grants if they become available.

SW-14: Penny Creek Culvert Replacement at Village Green Drive - Replacement of the undersized existing culvert for Penny Creek under Village Green Drive. There is no immediate need for the project, but it must be in the CFP to be eligible for grants, so this inclusion functions as a “place holder” for grants if they become available.

SW-15: North Creek Streambank Restoration – Wetland Monitoring - Continuation of the code required five-year wetland mitigation monitoring for a previous streambank restoration project. Initial construction phase of the streambank restoration project was completed in the summer of 2005. Monitoring began in 2005 and is required through 2010.

SW-15A: North Creek Streambank Restoration - Final Construction - Improvements at 8 of 12 sites for this streambank restoration project were completed in the summer of 2005. Preliminary design work for the remaining sites is complete. This work will conclude the project by completing the final design and construction for the remaining sites, followed by the required five years of wetland mitigation monitoring.

SW-16: Surface Water Quality Improvement Program - Phase I - Begin implementation of the recommendations from the phase I city-wide storm study to improve water quality. The City has received a \$75,000 DOE grant that must be spent in 2009 on this or a similar project. The study is still in progress. Preliminary findings recommend the installation of several dozen Filterra bio-filtration vaults along the curb lines in the Cottonwood and Huckleberry divisions where the surface water runs directly into Penny Creek. Funds available will likely limit the initial project to the Cottonwood division only. The Filterra units provide controlled bio-filtration of the street runoff prior to entering the storm pipes and creek.

SW-17: Surface Water Quality Improvement Program - Future Phases - Future projects resulting from the 2008 phase 1 city-wide storm study to improve water quality. These projects will be selected based on the results of the study and review by staff and council prior to design or construction. This will be a long term program to improve water quality consistent with the requirements and guidelines of the National Pollution Discharge Elimination System permit issued to the City and the Washington State Department of Ecology Stormwater Management Manual for Western Washington, 2005 edition.