



October 21, 2020	FCD 2020-24 A RESOLUTION approving an interlocal agreement with the City of Renton regarding the Madsen Creek Flood Reduction Improvement Project.	<u>Materials</u> FCD 2020-24
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**Proposed FCD Resolution FCD2020-24: A RESOLUTION approving an interlocal agreement with the City of Renton regarding the Madsen Creek Flood Reduction Improvement Project.**

The lower reach of Madsen Creek straddles the jurisdiction line between the City of Renton and Unincorporated King County, and has gradually lost its conveyance capacity over time due to sedimentation, increased runoff from changed land use in the basin, and historical modifications to the channel geometry and alignment. The City of Renton maintains Madsen Creek and the high flow bypass upstream of State Route (SR) 169. King County maintains the high flow bypass downstream of SR 169 and the drainage system on 149th Ave SE.

The City of Renton is the District's service provider for the Madsen Creek Flood Reduction Improvement Project (Project) and is working collaboratively with King County Water and Land Resource Division. The Project will increase the level of flood protection along Madsen Creek and reduce the flood risk to residents in Wonderland Estates and along 149<sup>th</sup> Ave SE, Rong Regis Park, and traffic along SR 169 by completing the following improvements:

1. Restore the capacity of the high flow bypass channel and the SR 169 culvert to a minimum of the 4% chance annual flood (i.e., 25-year flood event) by removing accumulated sediment and vegetation;
2. Raise approximately 400-feet of the right bank berm along the upper High Flow Bypass to contain the 1% chance annual flood (i.e., 100-year flood event) within the bypass channel;
3. Create a berm to increase the level of flood protection to Wonderland Estates and an adjacent private parcel;
4. Improve and extend the existing right bank ecology block wall/berm along Madsen Creek between SR 169 and 149th Avenue SE;

5. Raise the berm surrounding the sediment pond to create a rock-lined emergency spillway that would safely discharge flood waters to the high flow bypass following a catastrophic failure of the existing outlet;
6. Coordinate with King County and WSDOT to implement maintenance activities along the Madsen Creek high flow bypass; and
7. Implement any mitigation measures required by permitting agencies.

The Board approved funding for the Project in Resolution FCD2019-08, the 2019 mid-year budget reallocation. Approval of this ILA does not change the Project budget.

**Attachment:** Proposed Resolution FCD2020-24