Mark Davies, PE, LEED AP, Associate DBIA

CIVIL ENGINEER

Mark Davies became interested in construction early in his life working with his carpenter grandfather. This interest led to a career spanning over two decades in civil engineering. From large, multi-phased infrastructure projects to more intimate parks and trails, Mark has utilized his engineering expertise to address a range of issues that impact people's daily lives—from utilities and stormwater to accessibility and sustainability to rights-of-way and multimodal transportation. He is inspired by the collaboration that comes from working with a diverse team of clients, colleagues, contractors, and community members to see a project through to successful construction. Mark enjoys "diving deep into the details" to develop a comprehensive understanding of client and project needs, enabling him to approach each project strategically and cost-effectively. As an endurance athlete, he has an affinity for transportation and recreation projects that facilitate mobility and connection. In addition to providing project-oriented leadership and vision, Mark offers insight and experience as a mentor to younger staff.

Relevant Project Experience

YESLER TERRACE REDEVELOPMENT PLAN, SEATTLE, WA

Project Manager and Civil Engineer Lead. Mark is managing the civil engineering role provided by MIG | SvR as part of a team to create a visionary redevelopment plan for the 36-acre Seattle Housing Authority's Yesler Terrace community. The vision of the Yesler Terrace Redevelopment project is to develop a mixed-income, mixed-use neighborhood. It includes various densities so as to honors the 70-year history while meeting community needs. MIG | SvR's roles have included the Plan Action Environmental Impact Statement incorporating design and engineering for density ranging from current condition to 5,000 units, 900,000 square feet of office space, medical services, and/or lodging; 150,000 square feet of other non-residential uses, more than six acres of urban park space; and green buildings, utilities and green infrastructure. We also assisted with Choice Neighborhoods HUD grant program application, Preliminary Plat and PLAT Street Improvement Plans. During the EIS and PLAT phases, MIG | SvR provided SHA estimates of probable costs to help determine phasing strategies. The existing public infrastructure is more than 60 years old. The redevelopment will require upgrades to the existing utilities, including sanitary sewer and combined sewer pipe. The infrastructure improvements have been phased starting with Yesler Way, S Washington Street and the major sewer and storm utility upgrades in the Early Infrastructure Permit Package. MIG|SvR worked with SDOT to organize design guidance meetings that included several departments of SDOT, SPU and SCL. MIG|SvR also supported SHA during the construction with reviews of submittals, RFIs, shop drawings and contractor change order requests. We also conducted initial and final punch lists. We are currently supporting SHA on the third phase of construction with the 2016 Infrastructure Permit Package.

EDUCATION

- BS, Civil Engineering, University of Washington, 1994

REGISTRATIONS

- Civil Engineer, Registered Professional Engineer, 1999 #36022
- Associate DBIA™, 2012
- LEED AP, 2007
- 2014 Highway Runoff Manual Training Certified, Certificate #140423

PROFESSIONAL AFFILIATIONS

- City of Shoreline - Bicycle and Pedestrian advisory group member, 8/2009 – 2014
- NACTO Urban Bikeway Design Guide Training April 2014
- DBIA certification boot camp March 2012 (DBIA)
- 2008 Highway Runoff Manual Training, May 2010 (WSDOT)
- 2014 Highway Runoff Manual Refresher On-line, October 2016
- Improving Stormwater management Using Low Impact Development (LID) Practices, Nov 2005 (UW)

PRESENTATIONS

- Presenter - Connectivity, PSRC Active Transportation Workshop: Everett, October 2015
- Co Presenter, AIA Rainwater Harvesting, October 2015
- Oregon Active Transportation Summit, 2014
- Presenter, Yesler Terrace, AIA Seattle Urban Design Forum & Public Policy Board, June 2012

Relevant Project Experience

WASTE MANAGEMENT WOODINVILLE FACILITY UPGRADE, SNOHOMISH COUNTY, WA

The proposed Waste Management improvements include upgrades to existing maintenance facility buildings, addition of a paint booth and vehicle wash building, paved fleet parking with slow charge (CNG) and maneuver areas and a new employee parking lot for the 7.81 acre site. This project also included bringing the site up to current code for stormwater flow control and water quality within the Little Bear Creek basin. Stormwater facilities included a cast in place 50'x190' detention vault, oil water separators and bioretention planters for the fleet parking area and a porous asphalt pavement for the employee parking area. The regrading required new cast in place retaining walls along with the re-use of existing ecology blocks located on-site. New 6-inch water and sewer utilities were provided for the building expansions and permitted through Alderwood Water and Sewer District. This project also required 1700 linear feet of roadway frontage improvements included new roadway, sidewalks, landscape and channelization. SvR coordinated with Snohomish County to modify the standard roadway section to maintain the stream along 234th St SE. This required having the sidewalk adjacent to the curb and the planting area/stream between the back of walk and property line. The street improvements also included Filterra treatment planter boxes, new storm drain conveyance system, and a detention pipe flow control system that collected, treated and detained stormwater prior to discharging to the existing storm drain system that is within a quarter mile of Little Bear Creek.

SNOHOMISH COUNTY ON-CALL/204TH ST SW & 6TH AVE W, SEATTLE, WA

Project Manager: The 204th St SW and 6th Ave W projects are sidewalk infill projects for Snohomish County. The 204th ST SW is a Safe Routes to School project and provides a missing segment of sidewalk for Hazelwood Elementary School. The 6th Ave W project includes three sidewalk infill projects between 170th PL SW and 164th St SW for approximately 600 linear feet of curb, gutter and sidewalk. MIG|SvR developed full plans and estimates and coordinated with Snohomish County on the development of the special provisions. In addition to providing plans and estimate for the job order contracting, deviation request for no planter strip, LDA application, and drainage report was completed for 6th Ave W.

CEDARBROOK LODGE EXPANSION (CHASE/WAMU CORPORATE LEADERSHIP CENTER), FEDERAL WAY, WA

Project Manager. SvR provided civil site design for the new $16 Million, 5 story, 63 guest room and 3,500 SF spa. Expansion required relocation of existing water main, storm drain, and water quality vault. Utilities that could not be relocated were replaced in cast iron sleeves under the building. For the expansion, 49 new parking stalls were required to be added to the site. SvR reviewed the additional impervious areas to confirm it was within the limits of the capacity of the existing onsite storm water detention and water quality ponds and vaults. Previous 2001 development included 18-acre new corporate training facility containing lodging, meeting, dining and recreational facilities constructed adjacent to wetlands and Bow Lake. Work included design of 80,000 square feet of drive lane and parking facilities, along with 30,000 square feet of pathways and patios. Also included design of new water and sanitary sewer utilities and improvements to the road and sidewalks that front the property.

THE BRAVERN, BELLEVUE, WA

Senior Project Engineer. Mark managed the earthwork and utility subcontractors for this $500M mixed-used project called the Bravern. The project consisted of 7 levels of underground parking, two office towers, one being 14 stories and the other 24 stories. Site improvements included over 750,000 cubic yards of soil removal, a temporary dewatering system including 44 dewatering wells, a temporary soil nail wall, a new 12-inch water main, a 15-inch storm drain system, and a 16-inch sanitary sewer service including an inside drop connection for a new 30-foot-deep sanitary manhole.

RELEVANT EXPERIENCE

- Point Wells Development, Unincorporated Snohomish County, WA (2009-Present)
- Building 81 Seismic Replacement, American Lake, WA (2009-ongoing)
- NewHolly Redevelopment Infrastructure and Housing, Phase III, Seattle, WA
- Fort Worden Maker Square, Port Townsend, WA (2016- Present)
- SDOT Trail/Cycle Track Development, Seattle, WA (2014-2015)
- City of Lynnwood – Interurban 212th Crossing, Utility and Roadway Reconstruction (2011-Present)
- Winslow Way Planning and Design, Bainbridge Island, WA (SvR #07004)