A LITTLE ABOUT ME

- Angela Brady, PE (Professional Engineer) - Deputy Director, Office of the Waterfront and Civic Projects
- Civil engineering degree from UW (go Huskies!)
- More than 24 years of PE experience in civil, transportation, and structural engineering (design consulting and government)
  - Waterfront Seattle Program ($1.07B)
  - Mercer Corridor Program ($250M)
  - SR519 Surface Street Improvements, S. 277th St. Reconstruction Program, many other civil and structural projects
SEAWALL
NEW SEAWALL
WATERFRONT SEATTLE PROGRAM
CONSTRUCTION SCHEDULE

2017

PIKE PLACE MARKETFRONT

SEAWALL REBUILD

2018

PIER 62/63 REBUILD & HABITAT IMPROVEMENTS

2019

EARLY WORKS
Utility relocations

ALASKAN WAY VIADUCT DEMOLITION
SR 99 tunnel open*

MAIN CORRIDOR
Alaskan Way, Elliott Way, Columbia St, Seneca St, Lenora St and Promenade

EAST/WEST CONNECTIONS
Bell St, Union St, Pioneer Square Street Improvements and Pike and Pine Streetscape Improvements

NEW ALASKAN WAY OPEN

2020

OVERLOOK WALK

WATERFRONT PARK

MARION STREET BRIDGE
Joint project between City and State; construction schedule is approximate

AQUARIUM OCEAN PAVILION
Potential early work

2021

2022

2023

2024

Waterfront Seattle
Related projects

NOTE: Construction dates subject to change pending: A. completion dates of new SR 99 tunnel and demolition of the Alaskan Way Viaduct; B. ongoing construction sequencing evaluation and assumptions for all projects
*Dependent on Seattle Tunnel Partners contractor schedule

We are here!
TYPICAL CROSS SECTION
SOUTH OF COLMAN DOCK
ALASKAN WAY, SOUTH OF COLMAN DOCK
COLMAN DOCK AND PROMENADE

ART BY OSCAR TUAZON
HISTORIC PIERS TODAY
HISTORIC PIERS PROMENADE
OVERLOOK WALK, PIERS, ELLIOTT WAY
CENTRAL PUBLIC SPACE
PIKE PLACE MARKET - MARKET FRONT
OVERLOOK WALK
PIER 62 SITE PLAN

LEGEND

1. INSTALL TEXTURED CONCRETE DECK
2. INSTALL NEW RAILING
3. INSTALL FLOATING BOAT DOCK
4. PROVIDE LIGHT PENETRATION NEAR SHORE
5. BUILD SHALLOW-WATER MARINE HABITAT
6. REDUCE OVERWATER COVERAGE
7. REPLACE AGING SUPPORT PILES
8. INSTALL UTILITIES AND SOLAR-POWERED LED LIGHTS
EARLY, “PRE-VIADUCT DEMOLITION” CONSTRUCTION PROGRESS
PROJECT CHALLENGES

1. Engineering to achieve the urban design vision
2. Utility “spaghetti” + the West Coast power lines
3. Complex interagency and downtown project coordination
4. Keeping people moving throughout construction
5. Managing a megaproject team
6. Designing and constructing while you’re financing and managing around political realities
7. Planning for what comes after construction (programming, O&M, security)
8. Work-Life Balance 😊
1. ENGINEERING TO ACHIEVE THE URBAN DESIGN VISION

PROPOSED ALASKAN WAY
AT UNIVERSITY STREET
2. UTILITY “SPAGHETTI”
3. COMPLEX INTERAGENCY + PROJECT COORDINATION

**Central Waterfront Construction 2018-2023**

- SR 99 Connections and Surface Street Connections projects (WSDOT, 2018-2020)
- Viaduct and ramp demolition (WSDOT, 2019)
- Colman Dock (WSDOT/WSF, 2017-2023)
- Waterfront Seattle (2017-2023)
- Future site of Aquarium Ocean Pavilion
- Two-Way Columbia (SDOT, 2017-2018)
- RapidRide G (SDOT, 2019-2021)
- Center City Connector (SDOT, 2017-TBD)
- Pier 66 (Port of Seattle, 2017-2018)
4. KEEPING PEOPLE MOVING DURING CONSTRUCTION
4. KEEPING PEOPLE MOVING DURING CONSTRUCTION

• Provide access through waterfront area for all modes (transit, freight, bicycles, pedestrians, cars)
• Provide access to businesses and residents, including emergency response
• Maintain BNSF, Port cruise ships, and ferry operations
• Maintain major utilities service and reliability
• Provide short-term off-street low-rate parking
• Ensure construction sequencing balances the needs of all projects in the waterfront area
• Coordinate work zones and detour routes with all projects
5. MANAGING A MEGAPROJECT - COMPLEX POLITICS, LARGE TEAMS

- Partner coordination with other public agencies
- Tracking inter-agency project and program schedules and priorities within budget expectations
- Maintaining political support over the long haul
- Balancing a program vision with cost and funding realities
- Managing design and construction teams across multiple offices
- Overseeing an “army” of consultants, serving a variety of different aspects of the project (multiple contracts, amendments, project controls, over 50 subconsultants; utilizing WMBE firms)
6. DESIGNING WHILE YOU’RE FINANCING

**FUNDING SOURCES**

- **Philanthropy**
  - $100M

- **Local Improvement District (LID)**
  - est. $200M

- **Public funding**
  - $388M
  - State funding - $193M
  - City funding - $195M

**TOTAL = $688M**

*Does not include WSDOT-funded Marion Street Pedestrian Bridge over Alaskan Way (pending future agreement)*
7. PLANNING FOR AFTER CONSTRUCTION

• Partnership between City and Friends of Waterfront Seattle to deliver a package of enhanced operations and maintenance:
  • Activities and events year round
  • Dedicated and specialized maintenance team
  • Managed spaces with full time concierge staff and private security
  • Additional concession and retail offerings

• Dedicated annual City budget of $4.8 million (2023), private fundraising $1-$2 million

• Transparency and accountability to ensure the waterfront is a democratic and inclusive space
QUESTIONS?