



 **SOUNDTRANSIT**

GC/CM Re-Certification

March 28, 2019

- *Sound Transit and GC/CM*
- *Delivery Method Selection*
- *GC/CM Project Experience*
- *Small & Disadvantaged Business Utilization*
- *Questions*

Presentation Overview



Sound Transit and GC/CM

Leslie Jones

Chief Officer, Business and Labor Compliance

Link Light Rail

 Sounder Rail

 ST Express Bus




Current Service



Light rail

- University of Washington, Capitol Hill, Downtown Seattle, Sea-Tac Airport, Angle Lake
- Tacoma Dome to Theater District



Sounder rail

- Everett to Seattle
- Lakewood/Tacoma to Seattle



ST Express bus

- 28 regional bus routes



Upcoming Alternative Delivery Opportunities



Light rail

- West Seattle to Ballard Ext.
- Everett Ext.
- Federal Way to Tacoma Ext.
- Issaquah to Kirkland Ext.



Bus

- Bus Rapid Transit



Sounder

- Sounder Capital Improvements



Lynnwood Link
Extension



East Link
Extension



Northgate Link
Extension



U-Link
Extension



Link Light Rail
Systems

Over \$3.6 Billion in GC/CM Projects

Successful Management of GC/CM Projects



Delivery Method Selection

Nick Datz, CPPB, Assoc. DBIA

Director, Design and Construction Contracts

*Contract
Packaging
Workshop*

*Recommend
Delivery
Method*

*GC/CM Project
Review Request*

Phase Gate

GC/CM Delivery Selection Process

Evaluate Project

- Evaluate delivery methods against criteria and packages
- Determine best delivery method & contract packaging

Review Project Goals



Based on TCRP-131 Model



Establish Evaluation Criteria

- Define criteria for each category
- Score risk of each category (+/-)
- Prioritize categories
- Evaluate contract packaging options



Contract Packaging Workshop

Revised Phase Gate Process

- *Advanced Delivery Method Selection Gate to Occur Earlier in Project Development*
- *Focused Design Efforts Based on Delivery Method*
- *Earlier Selection of GCCM Contractor*

Phase Gate Improvements

A photograph of a modern light rail train station. A white train with "CANTON SOUTHWEST" on its front is stopped at the platform. Several people are waiting, including a woman in a yellow hijab and a woman in a blue shirt. The platform has a blue railing and a yellow tactile strip. The background shows a building with a sign that says "Canton City".

GC/CM Project Experience

Randy Harlow, PE

Deputy Project Director

Management of GC/CM Contracts

	U District Station	Roosevelt Station
Initial Contract	\$159,836,688	\$152,291,184
% Contract Change	1%	3%
Completion	53%	73%
GC/CM Self Performed Work	0%	24%

Northgate Link

7 Contracts, 3 Different Delivery Methods One Integrated Result for East Link



Seattle
to South
Bellevue

*Heavy
Civil
GCCM*

South
Bellevue

DBB

Down-
town
Bellevue
Tunnel

DBB

Down-
town
Bellevue
to Spring
District

*Heavy
Civil
GCCM*

Bel-Red

DBB

SR520 to
Redmond

*Design-
Build*

Systems

*Heavy
Civil
GCCM*

E130 Seattle to South Bellevue

Heavy Civil GC/CM



Key scopes include International District Station (IDS) modification, retrofit of existing WSDOT structures including the I-90 floating bridge, and two light rail stations.



The involvement of the GC/CM during the design stage was critical to the success of the project, specifically regarding the constructability of the "track bridge" component, which stabilizes the track so that light rail vehicles can cross the floating bridge without disruption.

East Link

E335 Downtown Bellevue to Spring District

Heavy Civil GC/CM



Four light rail stations; aerial, at-grade and retained-cut guideway through downtown Bellevue, over I-405, to 124th Avenue NE



Implementation of the project involves complex scheduling, phasing, and coordination

The involvement of the GC/CM during the design stage was critical to project success

The project encompasses a complex or technical work environment in the downtown Bellevue urban corridor.

East Link

Lessons Implemented



**Early GC/CM involvement
(30% design)**



**Staff projects with team
members that have the right
attitude and experience**



**Support for timely decisions
and issue resolution**



**Understanding of time-driven
costs and the importance of
schedule**

A blue high-speed train is stopped at a station platform. Several people are walking along the platform. The train has the number 105 visible on its side. The scene is captured in a blue-tinted, semi-transparent style.

Small & Disadvantaged Business Utilization

Leslie Jones

Chief Officer, Business and Labor Compliance

Small & Disadvantaged Business Utilization

		Capitol Hill Station	UW Station	U Link Systems
SBE	GOAL	10%	10%	6%
	ATTAINMENT	10%	11.3%	8%
DBE	GOAL	7%	8%	2%
	ATTAINMENT	7%	8%	6%

A photograph of two construction workers on a building site. The worker on the left is wearing a white hard hat, a high-visibility green vest over a dark shirt, and a safety harness. The worker on the right is wearing a grey hard hat, an orange safety vest, and khaki pants. They are standing on a wooden platform surrounded by a complex network of steel rebar and wooden formwork. The background shows a cityscape under a cloudy sky. The word "Questions?" is overlaid in the center in a stylized orange font.

Questions?



Thank you.

 **SOUNDTRANSIT**