Construction and Traffic Update

Board of Directors Meeting
March 29, 2019 • Honolulu, Hawaiʻi
Project Map
20 Miles – 21 Stations
West Oahu Stations Group
76% Complete

Contract Completion: March ‘19
Kualakaʻi (East Kapolei) Station – 72% Complete

Major Work Remaining
- Comm & power conduits
- Canopy fabric
- Site utilities and grading
- Balustrades and fencing

Energization Status
- Station – Infrastructure work in progress. (eom March 2019)

Core Systems Interface
- AHJV working on the platform
- BoS Date – June 13, 2019
- TCCR Access – February 18, 2019

- Platform Partial Access – July 9, 2019
- Canopy installation – February 8, 2019
- Material availability impacting delivery dates
West Oahu Stations Group
76% Complete

Contract Completion: March ‘19
Keone‘ae (UH-West O‘ahu) Station – 80% Complete

Major Work Remaining
- Comm & power conduits
- Canopies
- Faregates & entrance
- Balustrades & fencing
- Site utilities & grading

Energization Status
- Station - infrastructure work ongoing (tied to Road B work)

Core Systems Interface
- AHJV working in the TCCR and GW area
- BoS Date – March 18, 2019
- TCCR Access – February 2019

Platform Partial Access – May 3, 2019
Canopy installation – April 8, 2019
Conduit (CW to TCCR) – April 6, 2019
West Oahu Stations Group
76% Complete

Contract Completion: March ‘19
Honouliuli (Ho‘opili) Station – 77% Complete

Major Work Remaining
• Canopies
• Comm & power conduits
• Faregate & civil site work
• Balustrades & fencing

Energization Status
• Station -
  Energized on March 7, 2019
• TPSS -
  Energized February 20, 2019

Core Systems Interface
• AHJV working in the TCCR area
• BoS Date – March 4, 2019
• TCCR Access – February 19, 2019

Platform Partial Access – April 9, 2019
Canopy Installation – May 13, 2019
Conduit (CW to TCCR) - Complete
Farrington Highway Stations Group
85% Complete

Contract Completion: July ‘18
Hō‘ae‘ae (West Loch) Station – 89% Complete

Major Work Remaining
• Platform topping slab
• Entrance tile
• Canopies
• Platform CSC cabinets

Energization Status
• Station and TPSS - Complete

Core Systems Interface
• BoS Date – March 19, 2019
• TCCR access has been provided.

Platform Partial Access - March 17, 2019
Canopy installation - August 2019
Farrington Highway Stations Group
85% Complete

Contract Completion: July ‘18
Pouhala (Waipahu Transit Center) Station – 83% Complete

Major Work Remaining
• Platform topping slab pour
• Moloalo Street entrance
• Makai ground floor slabs
• Makai electrical chase
• Platform CSC cabinets
• Canopies

Energization Status
• Station and TPSS - Complete

Core Systems Interface
• BoS Date - April 19, 2019
• TCCR access provided.

Platform Partial Access - March 2019
Canopy Installation - June 2019
Farrington Highway Stations Group
85% Complete
Contract Completion: July ‘18
Hālaulani (Leeward Community College) Station – 82% Complete

Major Work Remaining
• Platform topping slab
• Parking lot repairs
• Platform CSC Cabinets
• Canopies

Energization Status
• Station and TPSS – infrastructure and easement

Core Systems Interface
• AHJV is currently working in the UPS room
• BoS Date - May 2019
• TCCR access provided.

Platform Partial Access – March 2019
Canopy Installation - September 2019
Kamehameha Highway Stations Group
63% Complete

Contract Completion: July ‘18
Waiawa (Pearl Highlands) Station – 68% Complete

Major Work Remaining
- Platform topping & PSG plates
- North entrance ramp & stairs
- Site slope & rock protection
- Escalator 4, 5 & 6 and elevator
- Canopies

Energization Status
- Station - June 23, 2019

Core Systems Interface
- AHJV installing cable tray in TCCR
- BoS Date - May 1, 2019
- Conduit (GW to TCCR) - Complete

Platform Partial Access - May 1, 2019
Canopy Installation - Anticipated by September 2019
Kamehameha Highway Stations Group
63% Complete

Contract Completion: July ‘18
Kalauao (Pearlridge) Station – 64% Complete

Major Work Remaining
- Platform topping & PSG plates
- Pedestrian bridge & stairs to platform
- Escalator & elevator
- Canopies

Energization Status
- Station - June 23, 2019

Core Systems Interface
- AHJV installing cable tray in TCCR
- BoS Date - June 1, 2019
- Conduit (GW to TCCR) - April 1, 2019

Platform Partial Access - June 1, 2019
Canopy Installation - September 2019
Kamehameha Highway Stations Group
63% Complete
Contract Completion: July ‘18; Anticipated to be October ‘19
Halawa (Aloha Stadium) Station – 45% Complete

Major Work Remaining
• Platform topping & PSG plates
• Entry plaza slab on grade
• Elevator shaft steel
• Escalator & elevator
• Canopies

Energization Status
• Station – April 26, 2019

Core Systems Interface
• TCCR Access – May 1, 2019
• BoS Date - June 1, 2019
• Conduit (GW to TCCR) - May 1, 2019

Platform Partial Access - July 2019
Canopy Installation - November 2019
University of Hawaii Park and Ride - Road “B”
56.8% Complete
Contract Completion: July ‘19

Major Work Remaining
- Base Course Installation for Road B
- Paving of Road “B” and Park & Ride
- Traffic signals For Road B
- PCCP paving for TP&R
- Bus Shelter installation TP&R
- Final Lift of AC paving for the parking lot TP&R

WOSG Group interface
- Main power connection & tie into the UHWO Station
- Traffic signals
Core Systems
62% Complete

Projected Completion
October 2025

Testing
• Integration testing of the interfaces between the vehicle & wayside Comms and control equipment is expected to begin in 2nd Q 2019.

Testing in Progress
• Wayside ATC testing in West Loch is ongoing.
• The PV Fire re-test of the floor and roof is scheduled for April 2019.

MSF Yard
• AHJV communication team restructure plans in progress.

Platform Screen Gates
• East Kapolei PSGS tower installation completed.

Manufacturing
• All Signal, TES, and SCADA systems are onsite or ready for delivery for Segment 1.
• Pearlridge and Aloha Stadium TPSS onsite delivery schedule in progress.
• Train #6 delivered to MSF on March 3, 2019.
Airport Guideway and Stations
41.5% Complete
Contract Completion: May 2021

- **Completed To Date:** Design progression at 99%. 134 drilled shaft foundations Completed, 99 columns installed, and 13 spans have been erected. 1,294 pre-cast segments have been cast. Electrical infrastructure and cabling work was completed in HECO Zone 5 (Nimitz Highway and Aolele Street.)

- **Ongoing Construction:** Rebar erection/formwork and anti-graffiti coating application for Reach A, B, and C Columns, drilling for deep foundation shafts in Reach E. Gantry operations for span erection to continue in Reach A and the erection of the second gantry for Reach C at the airport has been initiated.
City Center Utilities Relocation

- Installed Work Progress (Estimate): 1.0% vs 0.8% last update
- Estimated Completion: February 2022
- Highlights on Active Task Orders:
  - 001 – Relocating 24” water facility, over 200’ installed
  - 008 – Excavating for Water/Sewer/Drainage facilities
  - 011 – Relocating drainage facility
  - 014/015 – Awaiting DPP OTR and/or HDOT Permits
  - 016/018 – Probing for dry and wet facilities; Awaiting DPP OTR
- Highlights on Design Finalization Issues:
  - Dillingham Dry – design being Completed; working on spacing and combining comms line; alternatives are being vetted that may reduce the overall scope.
  - Halekauwila Wet/Dry – Impacts being assessed for keeping 46kV on Halekauwila and integrating straddles between Cook and Ward.
  - Roadway Design – Awaiting OTR.

Legend (Only Wet Facilities Shown Currently):
- On Deck
- Construction (% in dark)
- Pending Permits
- Pending OTR
- On Hold/Pending
- On Schedule
- Potential Delay
- Behind Schedule

Status as of February 20, 2019
Airport Guideway and Stations
Maintenance of Traffic Update

Kamehameha Highway
• **Day:** Single lane closures to support column operations. Saturday Kalaloa Boulevard detours to accommodate “final set” operations at installed Spans.
• **Night:** Contraflow conditions during segment delivery and hanging operations. West bound detours to allow for storm sewer line work fronting Pearl Harbor Station site.

Nimitz Highway / Airport Area
• **Day:** Single lane closures, eastbound Valkenburgh to Aolele Streets to allow for mobilization, utility work, and structure operations.
• **Day/Night:** Nimitz Hwy eastbound entrance onto Main Street will be closed for the second gantry operations.
• **Night:** The left turn from Elliott Street onto Nimitz Hwy westbound and the Nimitz Hwy eastbound entrance to Elliott Street will be closed for structure operations
• **Weekend:** Main Street closed near Nimitz Hwy for second gantry operations.
Stay Connected

- Weekly Traffic Advisories
- Weekly e-Blast
- Website and Social Media

HART Rapid Response

- 24-Hour Project Hotline number
  808-566-2299
- Email inquiries
  info@HonoluluTransit.org
- Social Media inquiries