



Board Report

File #: 2020-0381, **File Type:** Oral Report / Presentation

Agenda Number: 29.

CONSTRUCTION COMMITTEE JUNE 18, 2020

SUBJECT: PROGRAM MANAGEMENT MAJOR PROJECT STATUS REPORT

ACTION: ORAL REPORT

RECOMMENDATION

RECEIVE oral report on the Major Project Status by the Chief Program Management Officer.

DISCUSSION

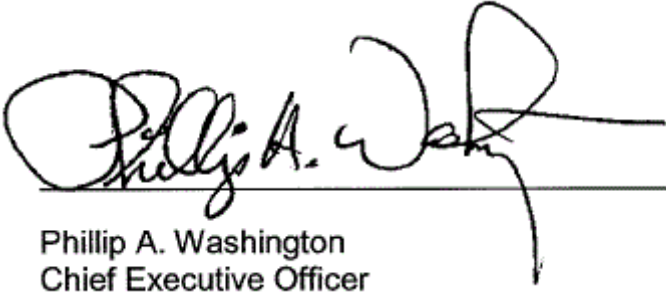
Update report covering the month of June 2020 by the Chief Program Management Officer.

ATTACHMENTS

Attachment A - Program Management Major Project Status Report

Prepared by:

- **Crenshaw/LAX** - Sameh Ghaly, Sr EO Project Mgmt., (213) 418-3369
- **Regional Connector** - Gary Baker, EO Project Mgmt., (213) 893-7191
- **Westside Purple Line Ext 1** - James Cohen, EO Project Mgmt., (213) 922-7911
- **Westside Purple Line Ext 2** - Michael McKenna, EO Project Mgmt., (213) 312-3132
- **Westside Purple Line Ext 3** - Kimberly Ong, EO Project Mgmt., (323) 903-4112
- **Patsaouras Plaza Busway Station** - Timothy Lindholm, EO Project Engr., (213) 922-7297
- **Willowbrook/Rosa Park Station** - Timothy Lindholm, EO Project Engr., (213) 922-7297
- **I-210 Barrier Replacement** - Androush Danielians, EO Project Engr., (213) 922-7598
- **I-5 North** - Abdollah Ansari, Sr EO Construction & Engr., (213) 922-4781
- **I-5 South** - Abdollah Ansari, Sr EO Construction & Engr., (213) 922-4781
- **Presentation** - Yohana Jonathan, Princ. Prog. Mgmt. Analyst, (213) 418-3031



Phillip A. Washington
Chief Executive Officer





















Program Management Major Project Status Report

Presented By

Richard Clarke

Chief Program Management Officer

PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

| Project | Cost Performance | Schedule Performance | Comments |
|---|---|---|--|
| Crenshaw/LAX |  |  | Project is 95% complete. Contractor needs to recover schedule. A revised completion date is required. |
| Regional Connector |  |  | Project is 65.8% complete and proceeding on schedule and within budget. |
| Westside Purple Line Extension-Section 1 |  |  | Project is 61% complete and proceeding on schedule. Differing site conditions and third party requirements are impacting the project budget. |
| Westside Purple Line Extension-Section 2 |  |  | Project is 29% complete and proceeding on schedule and within budget. |
| Westside Purple Line Extension-Section 3 |  |  | Project is 10% complete and proceeding on schedule and within budget. |
| Patsaouras Plaza |  |  | Project is 85% complete and proceeding on schedule and within budget. |
| Willowbrook/Rosa Parks Station |  |  | Blue Line Platform and Mezzanine Finishes and Vertical Circulation work ongoing while station is in operation. Customer Center, Mobility Hub + Public Plaza and promenade are substantially complete. Package B early work start delayed until late May. UPRR pedestrian grade crossing delayed but scheduled for July 2020. Station planned to open in phases with opening dates coinciding with pandemic guidance. |
| I-210 Barrier Replacement |  |  | Project 1 Project Report has been approved by Caltrans. We are working toward Project 1 100% PS&E Package approval by July 2020. Project 2 constructability and impact to Metro, Caltrans and surrounding cities has been analyzed by the Design Team. Design Team has clearly identified the best path forward to keep the disruption to freeway traffic and Metro operations to a minimum for Project 2. |
| I-5 North: SR 118 to SR 134 |  |  | Segment 1 and 2 are completed. Segment 3 (Empire Ave & Burbank) is 80% complete. Segment 4 (Magnolia to SR-134) is 96% complete. |
| I-5 South: Orange County Line to I-605 |  |  | Segments 1, 3, and the Carmenita Interchange are completed. Segment 2 (Valley View) is 61% complete. Segment 4 (Imperial) is 97% complete. Segment 5 (Florence) is 88% complete. |

June 2020



On target



Possible problem



Significant Impact



Metro 2

Construction Committee

Los Angeles County Metropolitan Transportation Authority

CRENSHAW/LAX TRANSIT PROJECT

BUDGET

| | <u>Current</u> | <u>Forecast</u> |
|------------|----------------|-----------------|
| TOTAL COST | \$2,058M | \$2,148M |

SCHEDULE

| | <u>Current</u> Summer/Fall 2020 | <u>Forecast</u> June 2021* |
|-----------|---------------------------------------|-------------------------------|
| REVENUE | | |
| OPERATION | | |

- Overall Project Progress is 95% complete.
- Project budget is being impacted by schedule delay.
- Contractor continues remaining facility and systems installation and testing efforts.



Fairview Heights Station – Station view, paved parking, sidewalks, lighting and fencing



Downtown Inglewood Station – TVM canopy

June 2020



On target



Possible problem



Significant Impact

Construction Committee

Los Angeles County Metropolitan Transportation Authority



Metro 3

*Substantial Completion: Winter 2020

REGIONAL CONNECTOR TRANSIT PROJECT

BUDGET

| | <u>Current</u> | <u>Forecast</u> |
|------------|----------------|-----------------|
| TOTAL COST | \$1,816M | \$1,816M |

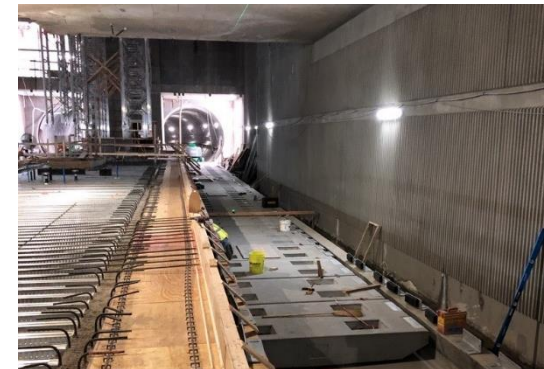
SCHEDULE

| | <u>Current</u> Summer/Fall 2022 | <u>Forecast</u> Summer/Fall 2022 |
|----------------------|---------------------------------------|--|
| REVENUE OPERATION | | |

- Overall Project Progress is 65.8% complete.
- Little Tokyo/Arts District Station, WYE and 1st Street:** Street backfill continues at Wye and 1st/Alameda; Structural concrete operations continue at Station. MEP and systems are underway as well.
- Historic Broadway Station:** Structural concrete, MEP and systems continues within the Station, Crossover Cavern and Entrance.
- Grand Av Arts/Bunker Hill Station:** Structural concrete installation continues throughout the Station. MEP and systems are underway.
- Flower Street:** Installation of exterior and interior walls and roof placements continue.
- Systems:** Factory testing of systems components continue as well as conduit installation at decks and walls ongoing across the Project.
- Track:** Continue installation of Low Vibration Track (LVT) and pre-cast Floating slab.



Interior wall installation at the future Little Tokyo/Arts District Station



Pre-cast Floating Slab at Grand Av Arts/Bunker Hill Station

June 2020



On target



Possible problem



Significant Impact

Construction Committee

Los Angeles County Metropolitan Transportation Authority



Metro 4

WESTSIDE PURPLE LINE EXTENSION – SECTION 1

BUDGET

| | <u>Current</u> | <u>Forecast</u> |
|--------------------|-----------------|-----------------|
| TOTAL COST* | \$3,154M | \$3,154M |

* Includes Board approved LOP budget plus finance costs.

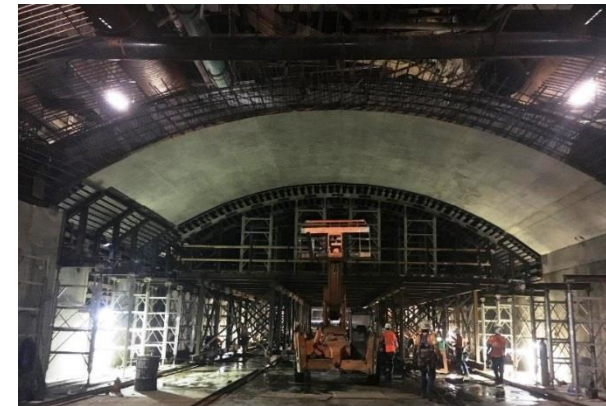
SCHEDULE

| | <u>Current</u> | <u>Forecast</u> |
|-------------------|--------------------|-----------------|
| REVENUE | Fall | Fall |
| OPERATIONS | 2024 (FFGA) | 2023 |

- Overall Project Progress is 61% complete.
- Wilshire/Western Retrieval Shaft:** Continued support of Reach 1 cross passage construction.
- Wilshire/La Brea Station:** Concrete roof placement continues. The first concourse concrete placement is scheduled for May 16, 2020. Appendage structure work at Wilshire/Orange is scheduled to commence in September 2020.
- Wilshire/Fairfax Station:** Excavation and SOE installation at the future station entrance is anticipated to complete in June 2020. Concourse and interior wall activities will commence after TBMs are launched for Reach 3 tunnel mining.
- Wilshire/La Cienega Station:** Exterior (Level 1) wall concrete placement is scheduled to complete in June 2020. The first TBM arrival is anticipated in August 2020.
- Tunneling:** The Purple TBM (Elsie) arrived at Wilshire/Fairfax Station on April 4, 2020. As of May 12, 2020, the Red TBM (Soyeon) has mined 3,921 feet (88% complete) of the Reach 2 tunnel.
- Reach 1 Tunnel Cross Passages (CP):** Excavation for 4 out of 12 cross passages has been completed. HDPE and rebar installation is underway. Completion is anticipated in October 2020.
- Differing site conditions and third party requirements are impacting the project budget.





Purple TBM at Wilshire/Fairfax Station



Roof Deck Shoring at Wilshire/La Brea Station

June 2020

 On target

 Possible problem

 Significant Impact

Construction Committee

Los Angeles County Metropolitan Transportation Authority

WESTSIDE PURPLE LINE EXTENSION – SECTION 2



BUDGET

| | <u>Current</u> | <u>Forecast</u> |
|--------------------|-----------------|-----------------|
| TOTAL COST* | \$2,530M | \$2,530M |

* Includes Board approved LOP budget plus finance costs.



SCHEDULE

| | <u>Current</u> | <u>Forecast</u> |
|--------------------------|---------------------------|--------------------|
| REVENUE OPERATION | Winter 2026 (FFGA) | Summer 2025 |

- Overall Project progress is 29% complete.
- Final design progress is 98% complete.
- **Century City Constellation Station**
 - Excavation of the BL tunnel began on April 30, 2020.
 - Coordination is ongoing with CalGEM and BHUSD for the abandonment of two legacy oil wells found in the path of the BR TBM under the Beverly Hills High School campus.
 - On April 21, 2020, the City of Los Angeles Board of Public Works approved a 5-week expansion of the footprint of the existing street closure of Constellation Boulevard during the Safer at Home Order.
 - Piling west of the TBM launch box began on May 12, 2020.
- **Wilshire/Rodeo Station**
 - Piling for the station box was completed during the temporary full street closure of Wilshire Boulevard on May 9, 2020. Piling for the station entrance at Reeves Drive was completed on May 13, 2020.
 - Installation of dewatering wells was completed contemporaneously with piling.
 - Installation of the temporary street decking over the future station box excavation began on May 5, 2020. Prior to the COVID-19 pandemic, this work was anticipated to be performed during weekend closures from August 2020 through January 2021 (excluding weekends during City holidays).



Launch of the first TBM in Century City



Street Decking Installation on Wilshire Boulevard

June 2020



On target



Possible problem



Major issue


Construction Committee

Los Angeles County Metropolitan Transportation Authority



Metro 7

WESTSIDE PURPLE LINE EXTENSION – SECTION 3

|  BUDGET | <u>Current</u> | <u>Forecast</u> |
|--|----------------|-----------------|
| TOTAL COST* | \$3,611M | \$3,611M |

* Includes Board approved LOP budget plus finance costs.

|  SCHEDULE | <u>Current</u> | <u>Forecast</u> |
|--|----------------|-----------------|
| REVENUE OPERATION | 2028 (FFGA) | 2027 |

- Overall Project progress is 10% complete
- Final design progress is 55% complete
- **C1151 Tunnel Contract**
 - Construction of the SCE ductbank for TBM power is 60% complete.
 - Continued preparation of the Tail Track Exit Shaft (TTES) site that included installation of secant piles, grout plant, water treatment plant, and electrical substation.
- **C1152 Stations, Trackwork and Systems Contract**
 - Final Design is ongoing.
 - Utility potholing investigation has been completed.
 - Pre-construction surveys of adjacent properties are ongoing.
- **Other Third Party Utility Relocation Work**
 - Joint trench activities for combining Verizon and Frontier telecommunications are ongoing. Cable pulling/splicing ongoing.
 - Southern California Gas relocations, pavement restoration, and striping have been completed.



Cable Tray Installation on VA Soundwall at TTES Site



Pile Installation for TTES

June 2020



On target



Possible problem



Significant Impact

Construction Committee

Los Angeles County Metropolitan Transportation Authority



Metro 7

PATSAOURAS BUS PLAZA STATION



BUDGET

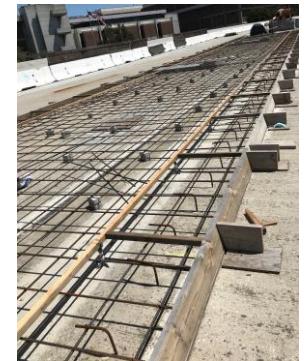
| | <u>Current</u> | <u>Forecast</u> |
|------------|----------------|-----------------|
| TOTAL COST | \$50.9M | \$50.9M |



SCHEDULE

| | <u>Current</u> | <u>Forecast</u> |
|------------------------|----------------|-----------------|
| SUBSTANTIAL COMPLETION | Spring 2020 | Spring 2020 |

- Overall project progress remains at approximately 85% complete.
- Caltrans storm drain and median barrier work on-hold due to:
 - Consultation for Area of Potential Effect expansion with Consulting Parties concludes.
 - Initiation of reevaluation of federal NEPA whether or not the approved CE designation remains valid
- Consultation initiated regarding the Treatment of Human Remains recently discovered during contour grading.
- Elevator installation started.
- Stainless steel panels 90% complete.
- Emergency egress poured.
- Canopy Columns installation pending resolution of non-conformity.



Canopy Columns NCR



Stainless Teel Panels



Emergency Egress

June 2020



On target



Possible problem



Significant Impact



Metro 8

Construction Committee

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WILLOWBROOK/ROSA PARKS STATION

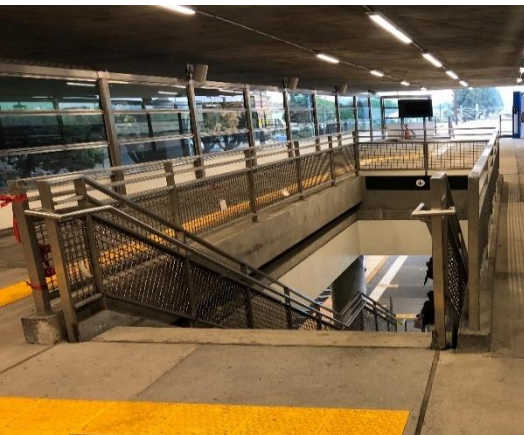
BUDGET

| | <u>Current</u> | <u>Forecast</u> |
|------------|----------------|-----------------|
| TOTAL COST | \$128.4M | \$128.4M |

SCHEDULE

| | <u>Current</u> | <u>Forecast</u> |
|------------------------|----------------|-----------------|
| SUBSTANTIAL COMPLETION | Summer 2020 | March 2021 |

- Package A: Customer Center, Mobility Hub and Public Plaza are substantially complete. Promenade remains at 95% completion due to delay in materials. Southern pedestrian crossing completion on hold until UPRR completes their portion of the crossing (currently July 2020).
- Package C: Finishes, Systems (Variable Message Sign, TAP) and Vertical Circulation work ongoing while Station is in Operations. North end of mezzanine and stair to C Line platform construction near completion.
- Package B: Early work for Package B planned start is late May 2020. Due to delay in UPRR crossing work, bus operations to remain in current location, causing delay for Package B Work. Will report on current schedule after actual completion of UPRR work. Station can open in phases as soon as August 2020 but dates will coincide with return to work.



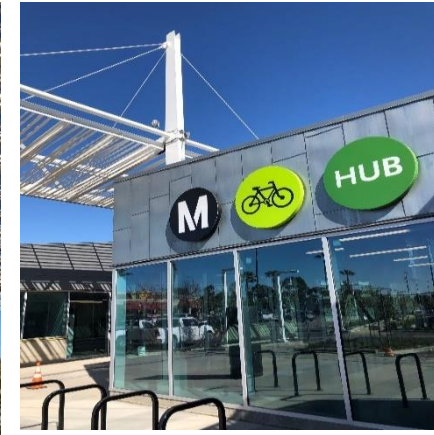
Blue Line Mezzanine open to the public



Mobility Hub Interior



Customer Center and Mobility Hub substantially complete



June 2020



On target



Possible problem



Significant Impact



Metro 9

Construction Committee

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I-210 BARRIER REPLACEMENT PROJECT

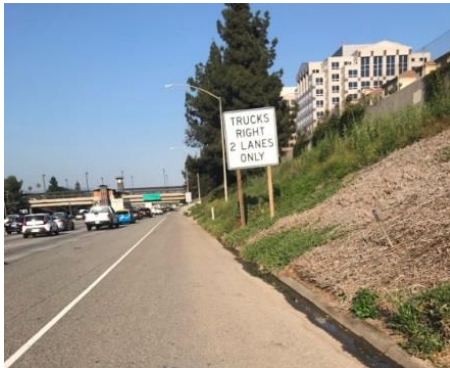
OK BUDGET

| | <u>Current</u> | <u>Forecast</u> |
|------------|----------------|-----------------|
| TOTAL COST | \$22.54M | \$22.54M |
| | Design | Design |

OK SCHEDULE

| | <u>Current</u> | <u>Forecast</u> |
|--------------------------|----------------|-----------------|
| Complete Design (Proj 1) | July 2020 | Summer 2020 |
| Complete Design (Proj 2) | May 2021 | Spring 2021 |

- Project 1: Segment from Michillinda to Iconic Bridge – Project 1 Project Report has been approved by Caltrans. 100% PS&E Package underway and is expected to be approved in July 2020.
- Project 2: Segment from west end of the project to Michillinda – Development of Project Report for Project 2 is underway.
- Project 2: Design Team has investigated the constructability and operational impact for the various barrier replacement alternatives. The Design Team has clearly identified the best path forward to keep the disruption to freeway traffic and Metro operations to a minimum for Project 2.



Newly Installed Caltrans Freeway Sign



Incident in 2014



Newly Installed Speed Limit Sign

June 2020

OK On target

◆ Possible problem

▲ Significant Impact

Construction Committee

Los Angeles County Metropolitan Transportation Authority



I-5 Construction Projects (By Caltrans)

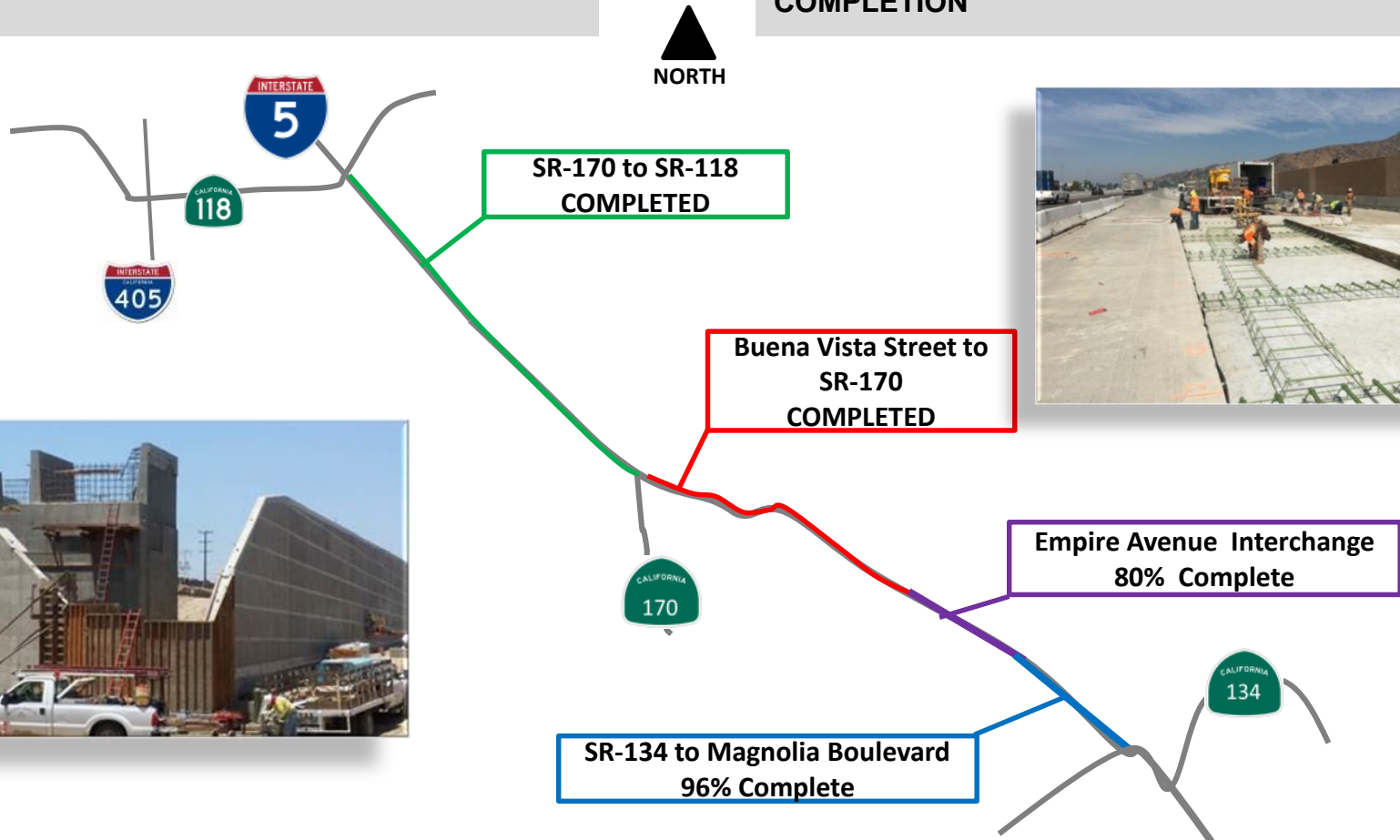


I-5 NORTH: SR 118 TO SR 134



| ! BUDGET | Current | Forecast |
|----------|------------|----------|
| | TOTAL COST | \$880.9M |

| ! SCHEDULE | Current | Forecast* |
|------------|--------------------------------|-------------|
| | ANTICIPATED PROJECT COMPLETION | Summer 2022 |



June 2020



On target



Possible problem



Significant Impact



Metro 12

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Los Angeles County Metropolitan Transportation Authority

* Risk Analysis, Feb 2020

I-5 SOUTH: ORANGE COUNTY LINE TO I-605



| OK BUDGET | | |
|------------|----------|-----------|
| | Current | Forecast |
| TOTAL COST | \$1.888B | \$1.888B* |

| ◇ SCHEDULE | | |
|--------------------------------|-----------|-------------|
| ANTICIPATED PROJECT COMPLETION | Current | Forecast* |
| | Fall 2022 | Winter 2022 |

