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SAN DIEGO
INTERNATIONAL AIRPORT
LET'S GO.

AECOM

**PARSONS
BRINCKERHOFF**



HENSEL PHELPS
Plan. Build. Manage.



Agenda

- Overview of MTS System
- Annual CIP Process / Projects
- Transit Oriented Developments
- Economic Benefit of Transit
- Ridership/Clean Ride Program
- ZEB Fleet by 2040
- Mid-Coast Light Rail Extension
- Q&A

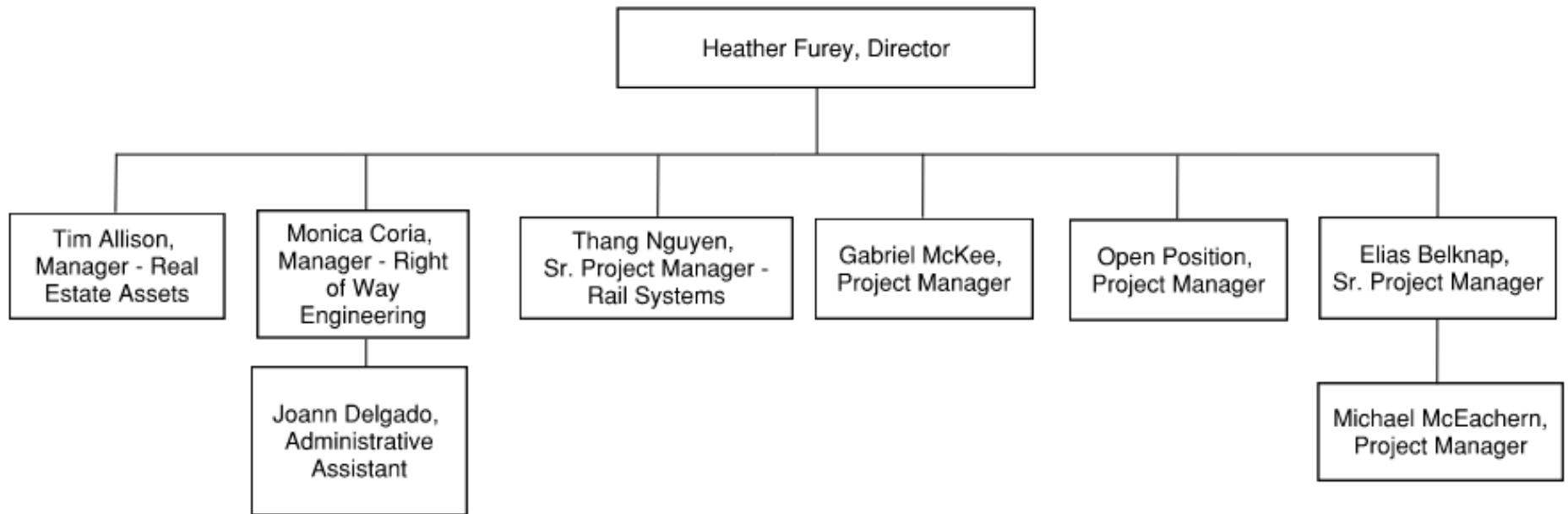




Map not to scale
©MTS 2018



Capital Projects & Land Management















TOD: Grantville Trolley Station



- 410 units (156 affordable)
- April 9 groundbreaking
- 2023 Opening

More TODs in the Works

Palm Avenue (South Bay)

- 408 units (324 affordable)



Beyer Blvd. (South Bay)

- 100 units @ 100% affordable



Rancho Bernardo Transit Station

- 100 units @ 100% affordable



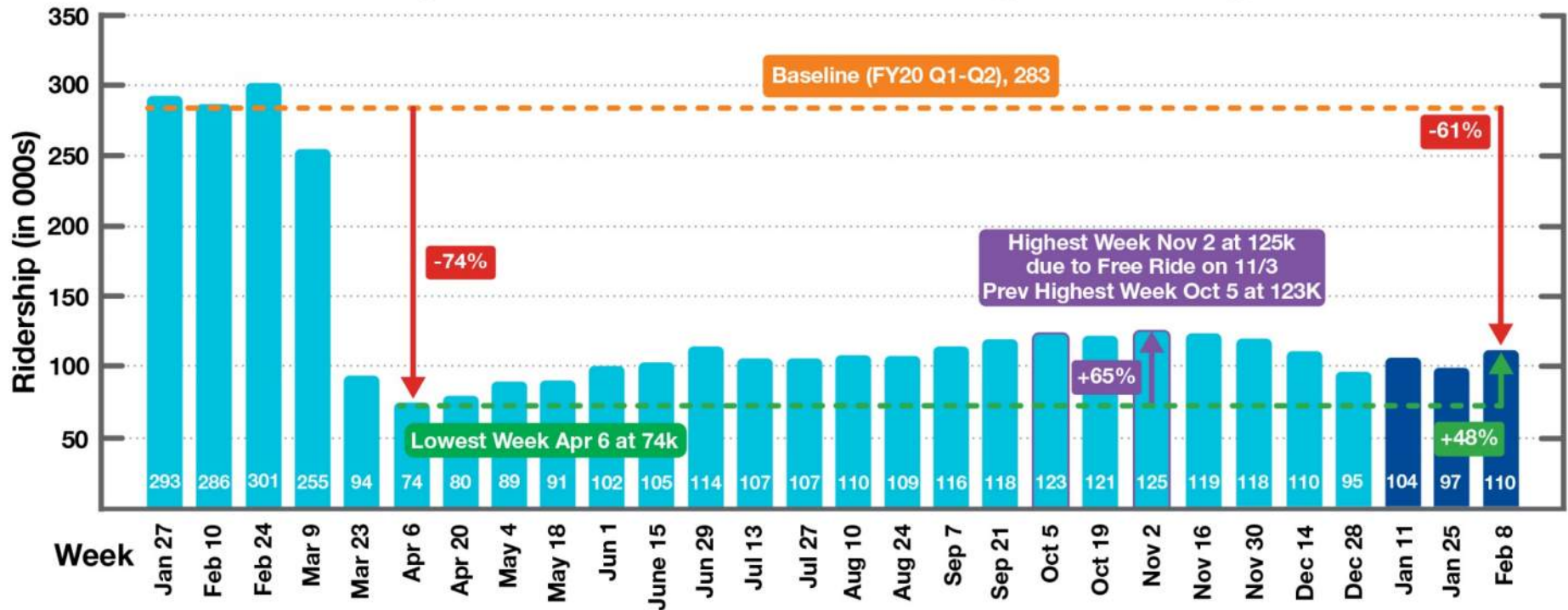
Economic Benefit of Transit



- Conducted by Fermanian Business & Economic Institute, Point Loma Nazarene University
- \$1 Public Investment in MTS = \$2.82 Return
- \$1 Billion total MTS Annual Impact on the San Diego Economy
- \$625 million job earnings
- 13,000 total jobs created (direct/indirect)



Systemwide Weekday Average



Clean Ride Program

- Always
 - 935 vehicles cleaned thoroughly every day
 - 54 Trolley Stations cleaned daily
 - 400+ Bus Shelters cleaned at least twice per week and as needed
 - 1,500 bus benches cleaned one to three times per week
- Since Hep A Outbreak
 - Use of strongest disinfectants recommended by CDC
 - Vinyl seats on all Trolleys



MTS COVID-19 Protocols

- Mandatory face coverings for employees/passengers
- Germ barrier installations on buses
- Daily temp checks for all employees
- Handwashing stations at 53 Trolley platforms



KEEP YOUR SPACE
Stay six feet apart when possible.

MANTÉN TU ESPACIO
Mantente a seis pies de distancia cuando sea posible.

sdmts.com/CleanRide

COVER YOUR FACE
Face coverings are required.

CUBRE TU ROSTRO
Se requiere una cubierta facial.



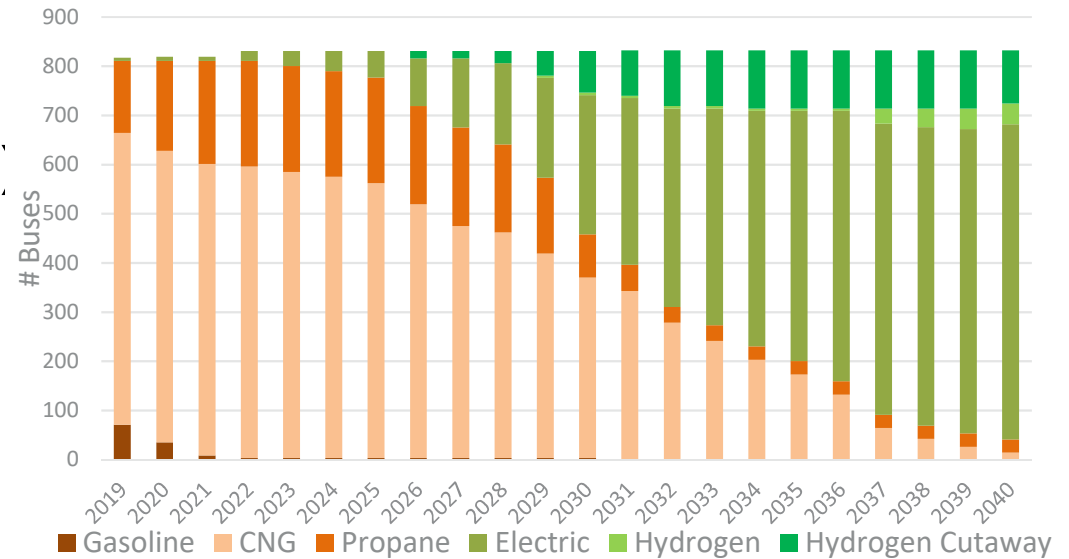
All-Electric Bus Fleet by 2040!



Proposed (June) - Mixed Fleet 2040

- Vehicles:

- Mixed fleet (BEB & FCEB)
 - Prioritizing technology
- BEB can meet 49% of route schedules
- Minibus considerations

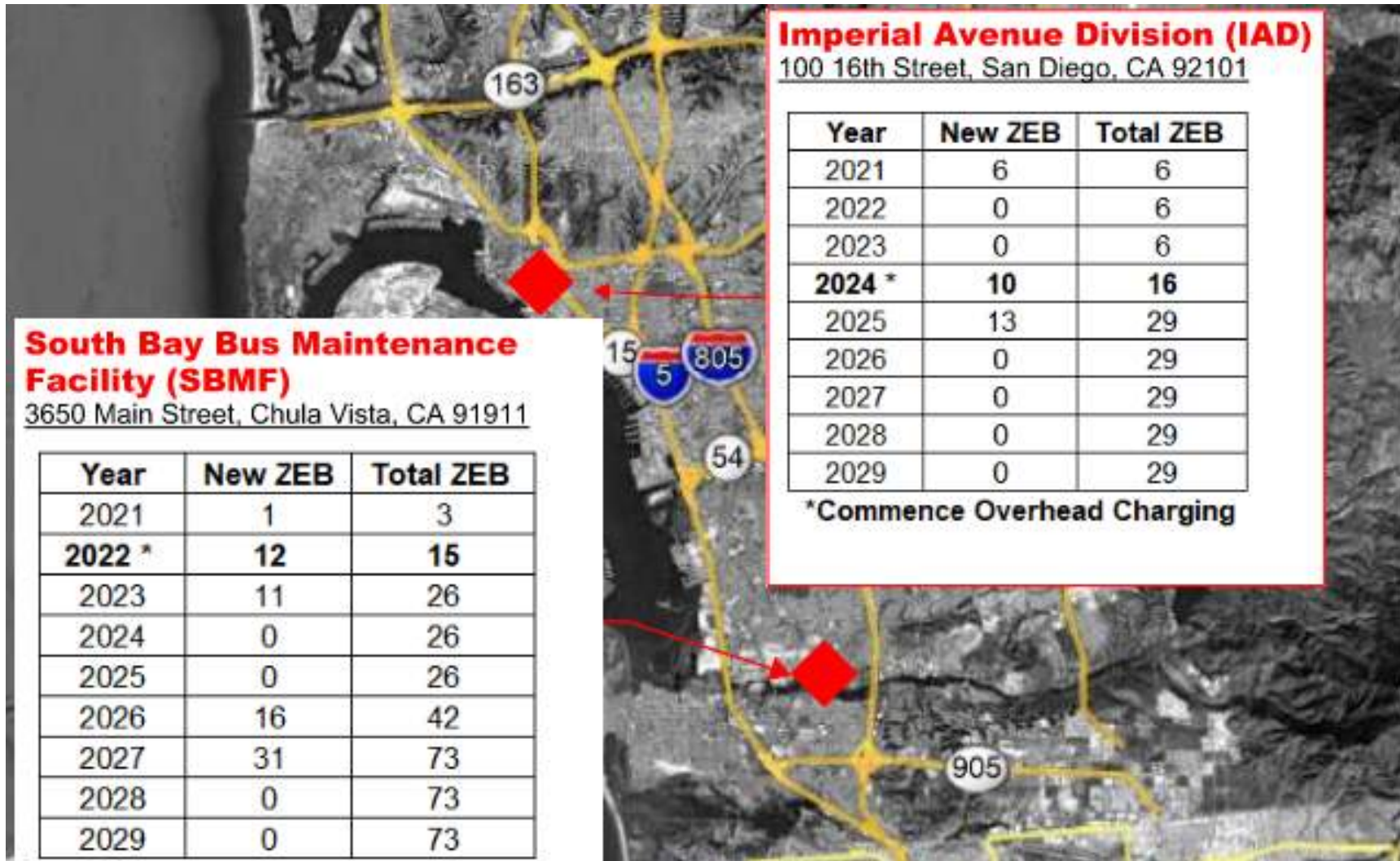


- Infrastructure:

- Gantry systems
- Grid upgrades
- Redundancy
- Two buses per charger
 - Charge management



CARB Approved ZEB Roll Out Plan



CARB Approved ZEB Roll Out Plan

Kearny Mesa Division (KMD)

4630 Ruffner St, San Diego, CA 92111

Year	New ZEB	Total ZEB
2021	2	2
2022	0	2
2023	0	2
2024	0	2
2025	0	2
2026 *	27	29
2027	0	29
2028	0	29
2029	0	29

*Commence Overhead Charging

East County Bus Maintenance Facility (ECBMF)

544 Vernon Way, El Cajon, CA 92020

Year	New ZEB	Total ZEB
2021	2	2
2022	0	2
2023	0	2
2024	0	2
2025	0	2
2026	0	2
2027	0	2
2028 *	13	15
2029	19	34

*Commence Overhead Charging

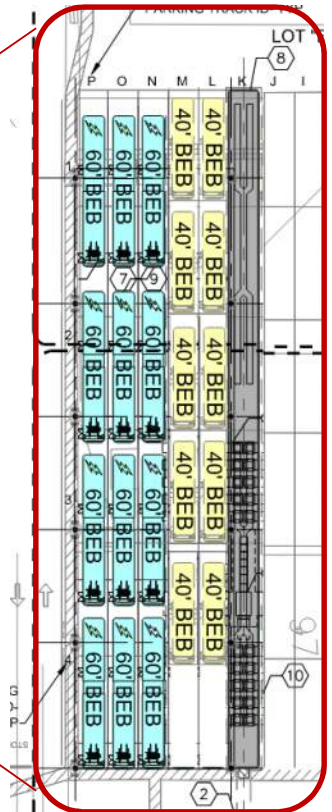
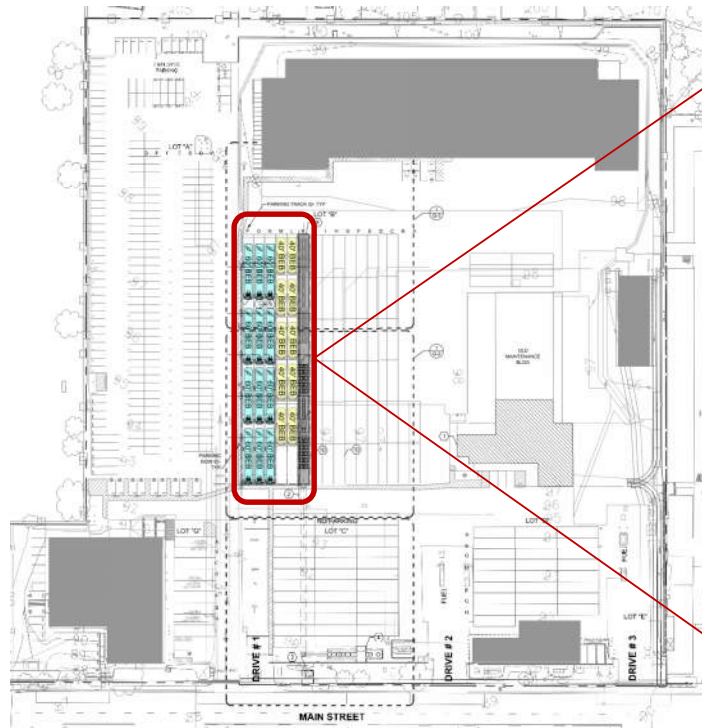
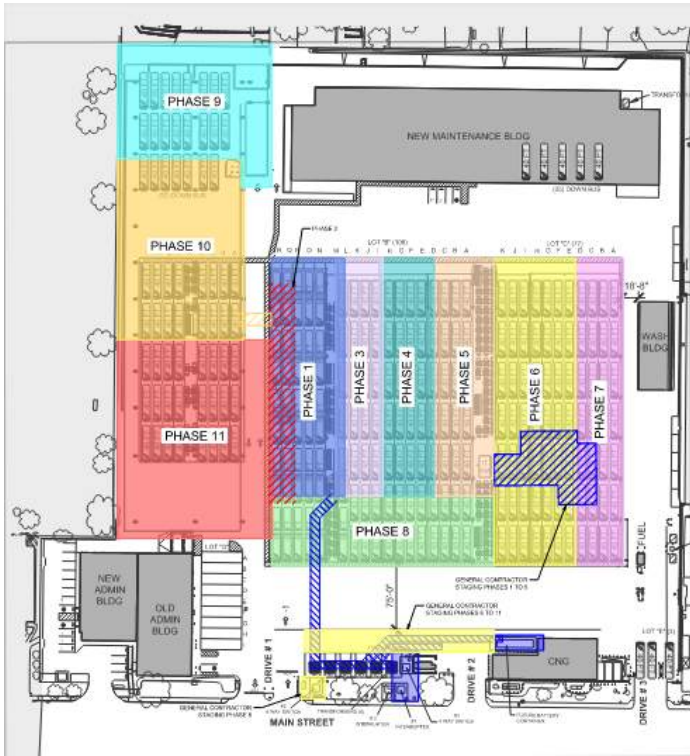


Charging Infrastructure

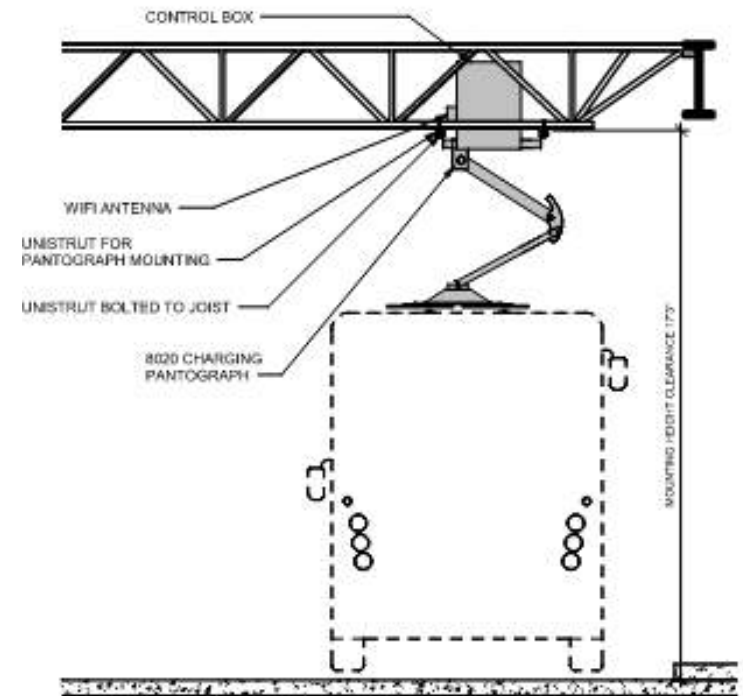
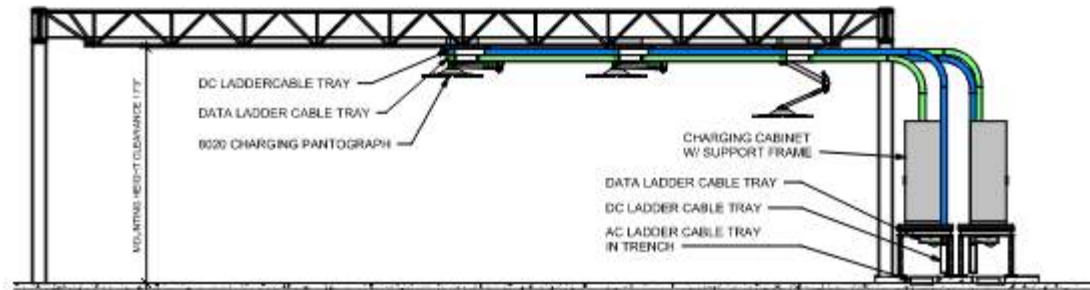
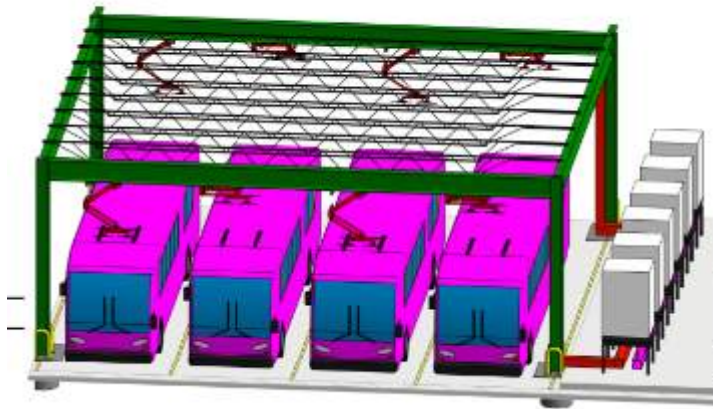
- Iris Rapid:
 - Articulated sixty-foot electric bus pilot scheduled to begin late 2022
 - Buses will operate from South Bay Bus Maintenance Facility
 - Will be the first scalable overhead charging infrastructure
- South Bay Overhead Charging Infrastructure Master Plan conducted 2020
 - Developed Phased approach to construct overhead charging infrastructure while maintaining current division operations
 - Total of 11 phases to support potential 240 BEBs at SBMF
 - Phase 1 of Master Plan provides overhead structure to support charging
 - 12 60' BEB buses, online late 2022 for the IRIS Rapid Project
 - 11 additional 40' BEB busses, in 2023



Charging Infrastructure

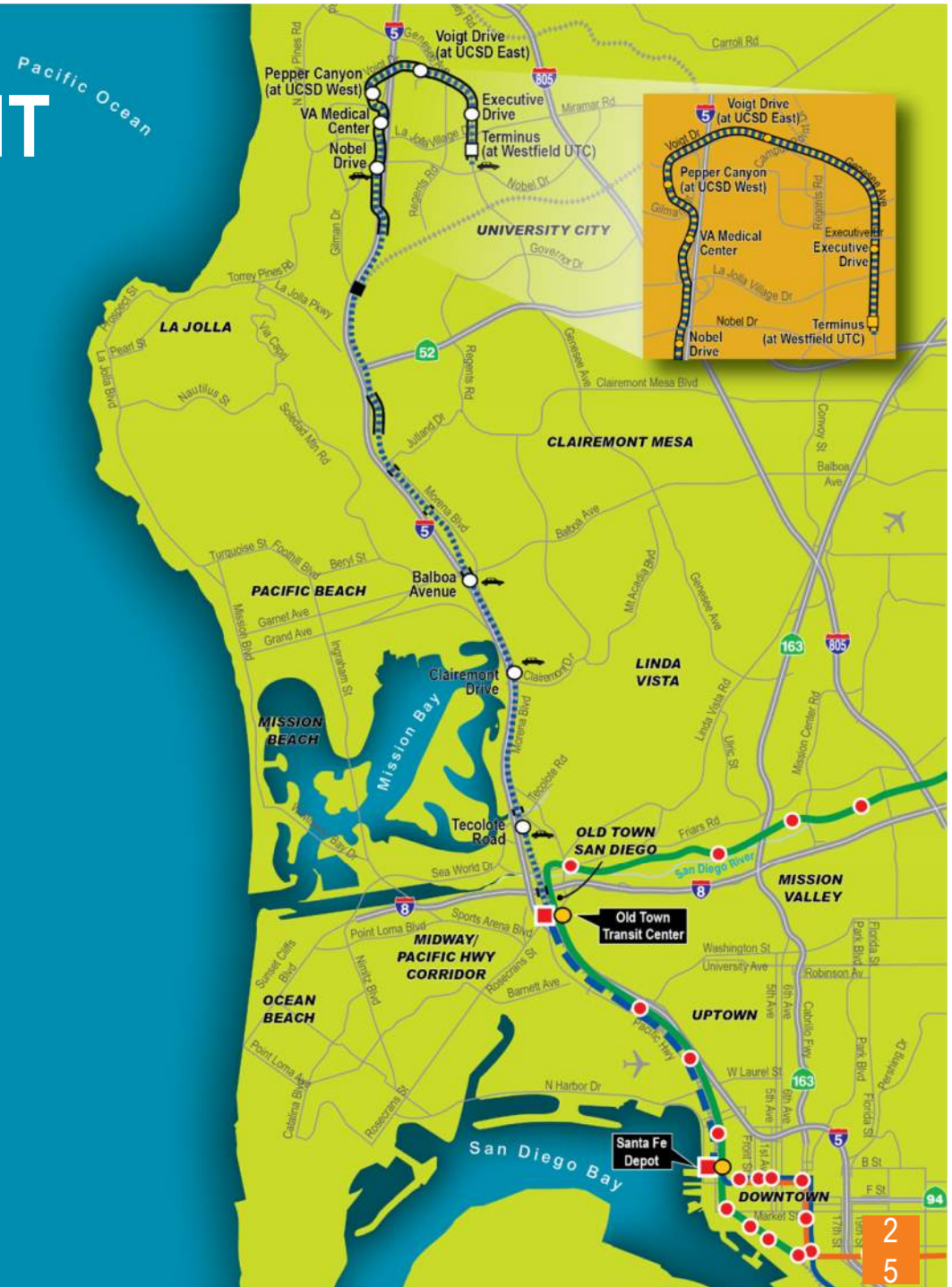


Charging Infrastructure



PROJECT ALIGNMENT

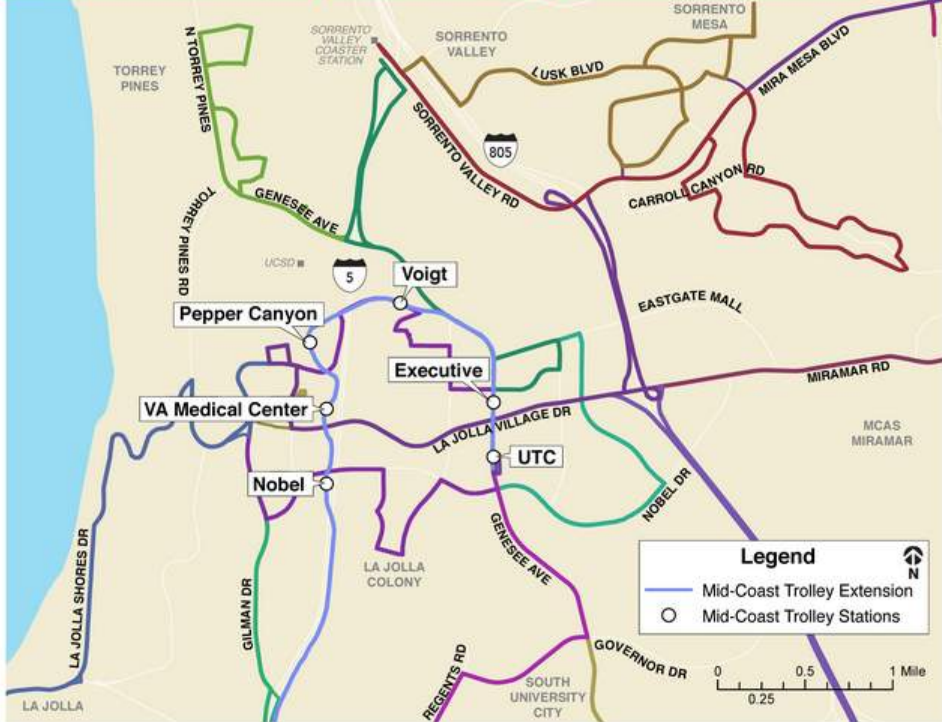
- 11-mile extension of the Blue Line Trolley
- One seat ride from the U.S./Mexico Border to UC San Diego
- Nine new stations (five with parking)
- Estimated 21,000 daily boardings
- 36 new Trolley cars
- Under construction, open late 2021





CHANGING THE WAY SAN DIEGO MOVES

Mid-Coast Trolley and Existing Bus Network - North



Tech-Savvy Fare Collection

- New fare collection system rolling out Summer 2021
- Purchase locations would expand from 60 to 400 locations region-wide
- Mobile ticketing growth
- Best possible fare automation for customer

PRONTO



FY22 CIP - Funded Projects

Form ID	Project Name	FY22 Funded
1433	SDTI - SD100 Replacement	28,500,000
1427	SDTC - Bus Procurement	25,284,000
1435	Admin - Iris Rapid - ZEB Bus Procurement	15,616,000
1273	Admin - El Cajon Bus Maintenance Facility - Expansion lot	8,000,000
1226	Admin - Iris Rapid - Charging Infrastructure at SBMF - FY22	6,600,000
1224	Admin - Iris Rapid - Route & Stations Infrastructure - FY22	5,531,788
1275	SDTI - Green Line IMT Double Tracking - FY22	5,170,000
1276	SDTI - El Cajon Transit Center Third Track - FY22	5,000,000
1231	Admin - Fare System Upgrades - FY22	3,300,000
1431	Admin - Miscellaneous Capital	2,702,538
1197	IT - Hastus Upgrade	1,800,000
1169	SDTI - Green Line Catenary Project - FY22	1,785,000
1159	Track - On-Track Equipment Replacement - FY22	1,590,000
1272	Admin - San Ysidro Transit Center Planning & Design	1,250,000
1153	Track - Grade Crossing Replacement - FY22	1,245,000
1428	SDTC - Mini Bus Procurement	1,100,000
1156	Track - Rail Replacement - America Plaza & Kettner - Const.	1,100,000
1215	SDTC - KMD Shop Hoists Construction - FY22	1,000,000
1143	SDTI - Beyer Blvd Track and Slope - FY22	1,000,000
1204	SDTC - KMD Concrete Lot - FY22	675,000
1208	SDTC - IAD OH ZEB Charging Master Planning	500,000
1201	MOW - 12KV Service Disconnect at Friars and Napa	425,000
1171	MOW - SDSU UPS & Inverters Replacement	425,000
1225	Admin - Iris Rapid Transit Center Island Modification	410,000
1229	SDTC - ADA Bus Stop - FY22	400,000
		125,486,326



Questions?

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