

A high-speed train, likely a Siemens BLIV-01, is shown in motion on a track through a desert landscape. The train is white with yellow and pink accents and features the 'brightline' logo. The background shows a vast, arid landscape under a blue sky with scattered clouds. The text 'BRIGHTLINE WEST UPDATE' is overlaid in white and green. The train's front has 'brightline' written on it, and 'SIEMENS BLIV-01' is visible on the side.

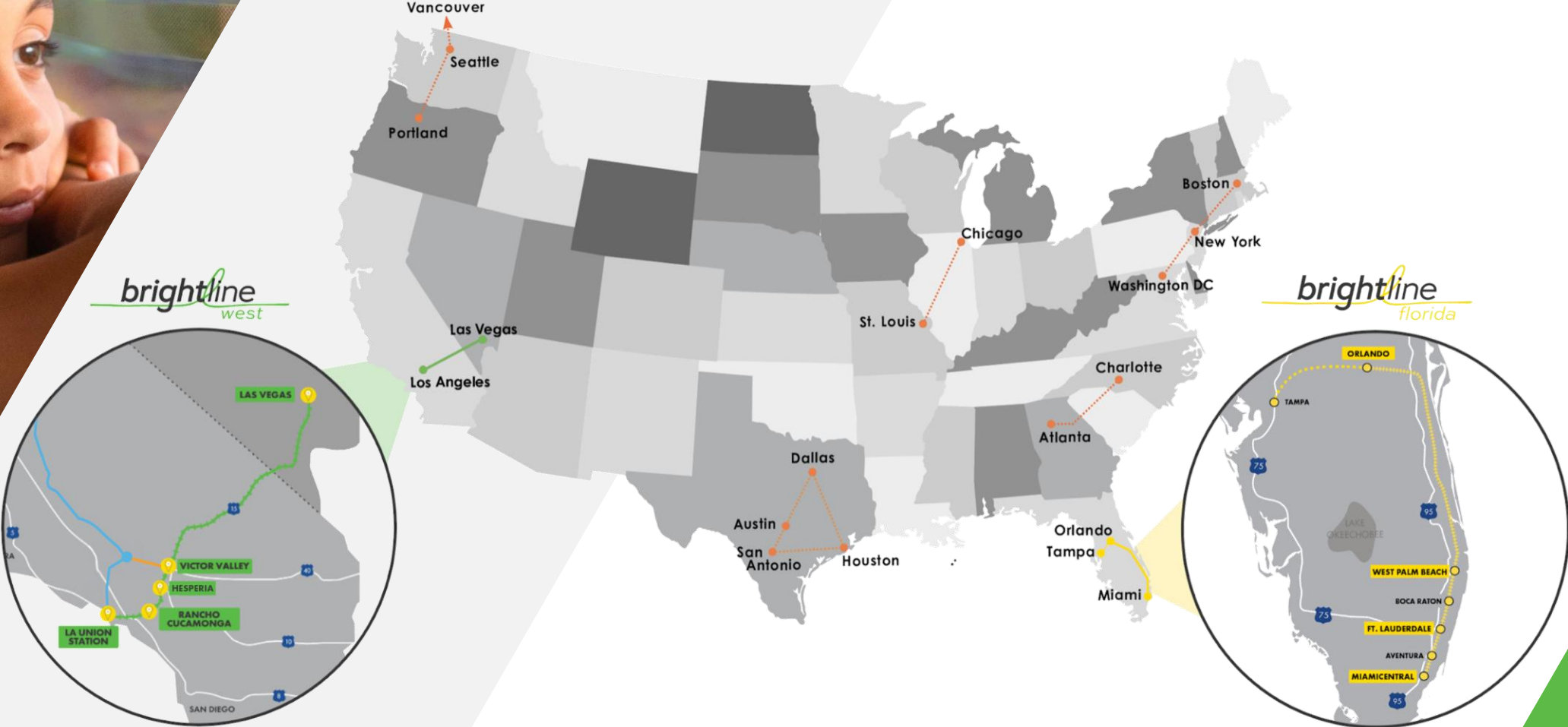
BRIGHTLINE WEST
UPDATE

Construction Network
January 29, 2025



COMPANY GOAL IS TO CONNECT CITY PAIRS THAT ARE

“TOO LONG TO DRIVE AND TOO SHORT TO FLY”



BRIGHTLINE FLORIDA

Our First Passenger System

- Brightline opened in 2018, with stations in Miami, Fort Lauderdale, and West Palm Beach
- Infill stations opened in Aventura and Boca Raton in December 2022
- Expansion to a flagship station in Orlando was launched in 2023
- Reimagined train travel to be more hospitality focused, driving wide customer satisfaction
- Our presence has re-energized neighborhoods, through transit oriented-development

KEY DOWNTOWN LOCATIONS



Miami Central features office, residential and retail

CURRENT STATIONS



MIAMICENTRAL



AVENTURA



FORT LAUDERDALE



BOCA RATON



ORLANDO

LEAD CUSTOMER SATISFACTION

	75
	75
	74
	68
	63
	62
	60
	43

An aerial photograph of a city skyline, likely Miami, featuring numerous high-rise buildings and a large body of water in the background. A large, semi-transparent green diagonal shape is overlaid on the image, extending from the top-left towards the bottom-right. The text "What We're Building Next" is centered within this green shape in a white, sans-serif font.

**What We're
Building Next**

BRIGHTLINE WEST

Connecting Las Vegas and Southern California

All-electric trains
in a protected corridor with **zero**
at-grade crossings

218-mile trip
Las Vegas to Rancho
Cucamonga

Up to 186 mph
true high-speed rail

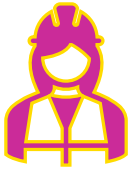
+11 million
one-way pass/year

Brightline West System Map



BRIGHTLINE WEST BENEFITS

Plants the Flag for True American High-Speed Rail



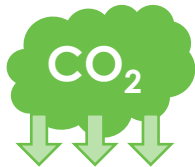
- There are many “too long to drive, too short to fly” city pairs in U.S.
- Start of high-speed train “industry” in America
- Blueprint spurring more systems to be built

Creating High-Quality, Good-Paying Jobs



- Project will generate \$10B+ in economic impact
- 10K+ field jobs during construction
- 1,000 permanent operations & maintenance jobs

Green & Safe



- Emission-free trains & power result in 400K ton annual CO2 decrease
- Equal to 3M cars off the road + 16K short-haul flights not flown
- Also results in large reduction in highway-related deaths & injuries

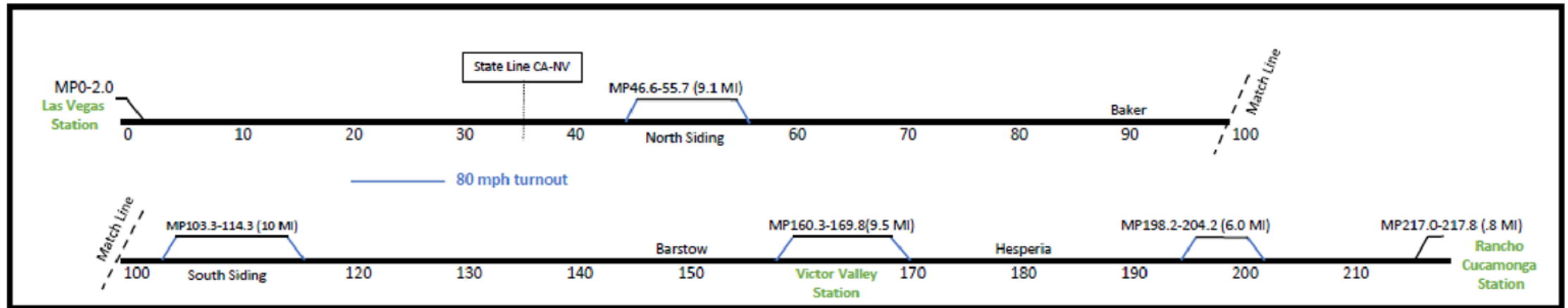


CONCEPT OF OPERATIONS - OVERVIEW

PRIMARILY SINGLE-TRACK RAILROAD WITH PASSING SIDINGS

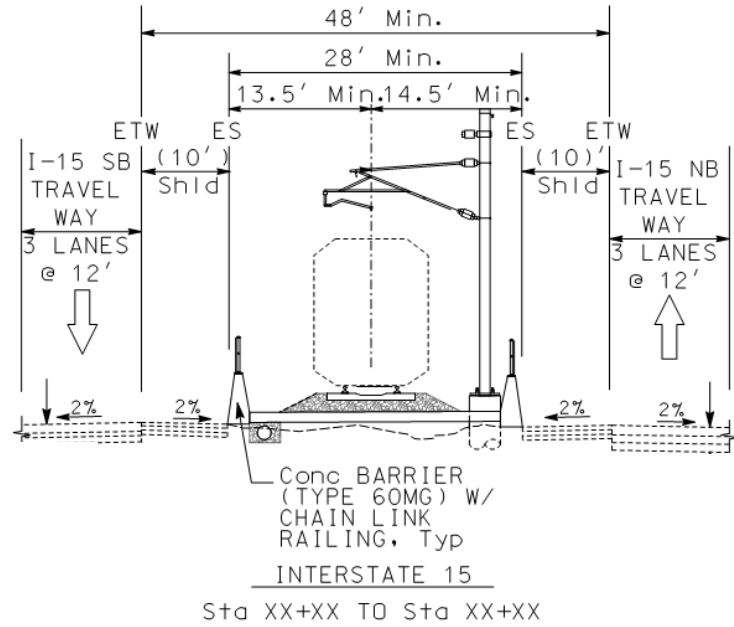
60-minute Headways

Trip Time: ~2 hrs 10 min



Total Single-Track Miles	180.4	83%
Total Double-Track Miles	37.4	17%
Total Miles	217.8	100%

Unique Corridor – Topography, Environment, Highway

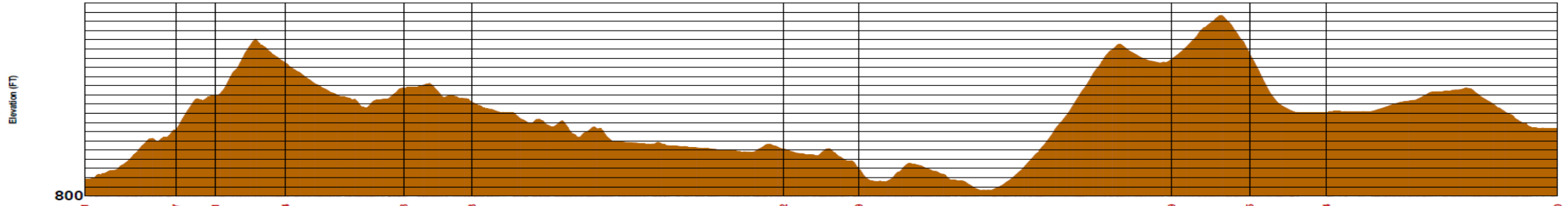
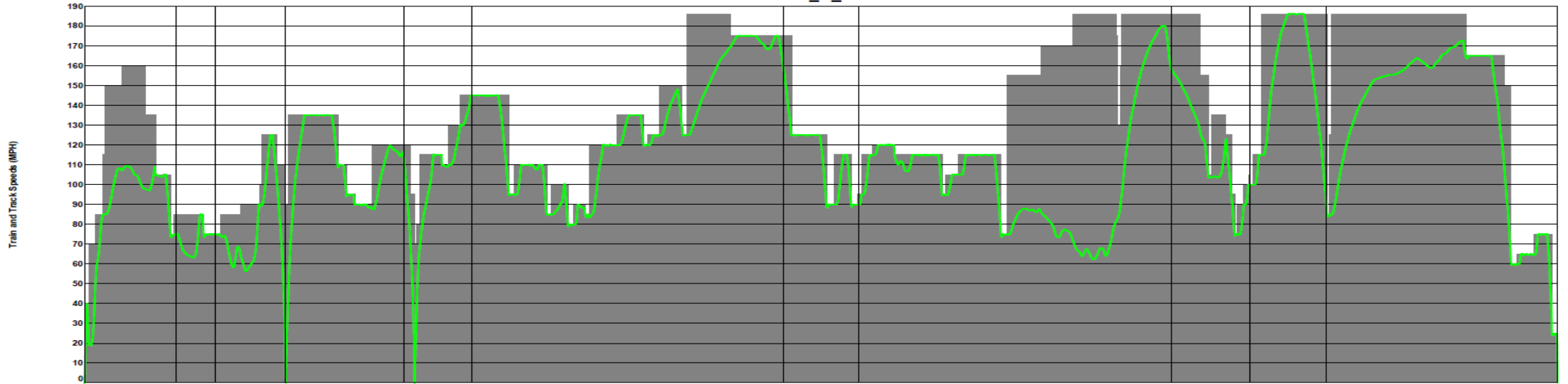


- HSR corridor in median of highway
- Desert and urban conditions



I-15 CORRIDOR PROFILE

Rancho Cucamonga to Las Vegas
North_A_1124



Min Run Time HH:MM:SS	Display nodes	Distance (Miles)
0	Rancho Cucamonga	217.51
12:51	CP Devore	203.37
17:44	CP Clighorn	198.21
26:24	Hesperia	187.84
37:34	CP Victorville	170.38
46:44	CP Hodge	160.33
1:08:11	CP Milwauy	114.32
1:14:14	CP Cronbae Valle	103.19
1:42:51	CP Cina	56.39
1:49:04	CP Mountain Pass	45.45
1:53:50	State Line	34.14
2:13:20	Las Vegas	0.00

PROJECT DELIVERY APPROACH:

Civil Design-Build:

Pre-construction partners LVP, Kiewit, Skanska, Acciona-Security Paving

- Split by geography
- Highway modifications, rail embankment, barrier interface
- Rail corridor work includes up to sub-ballast

Track and Systems Design-Build:

Pre-con partners Stacy-Herzog JV, and Siemens

- Single project-wide contract - removes integration risk
- Systems includes:
 - European Train Control System (ETCS)
 - 25kV Power, and overhead catenary system
 - Communications: train and passenger needs
- Track: conventional 136#RE rail, concrete ties, ballast



PROJECT DELIVERY APPROACH:

Stations and Facilities Design-Build:

Pre-con partners Clark, McCarthy, Atkinson(viaduct)

- Individual contracts for terminal stations in LV and Rancho
- Rancho Station includes 1-mile long viaduct connection to I-15
- One contract for in-line stations, Vehicle Maintenance Facility and Maintenance of Way buildings

Rolling Stock:

Siemens

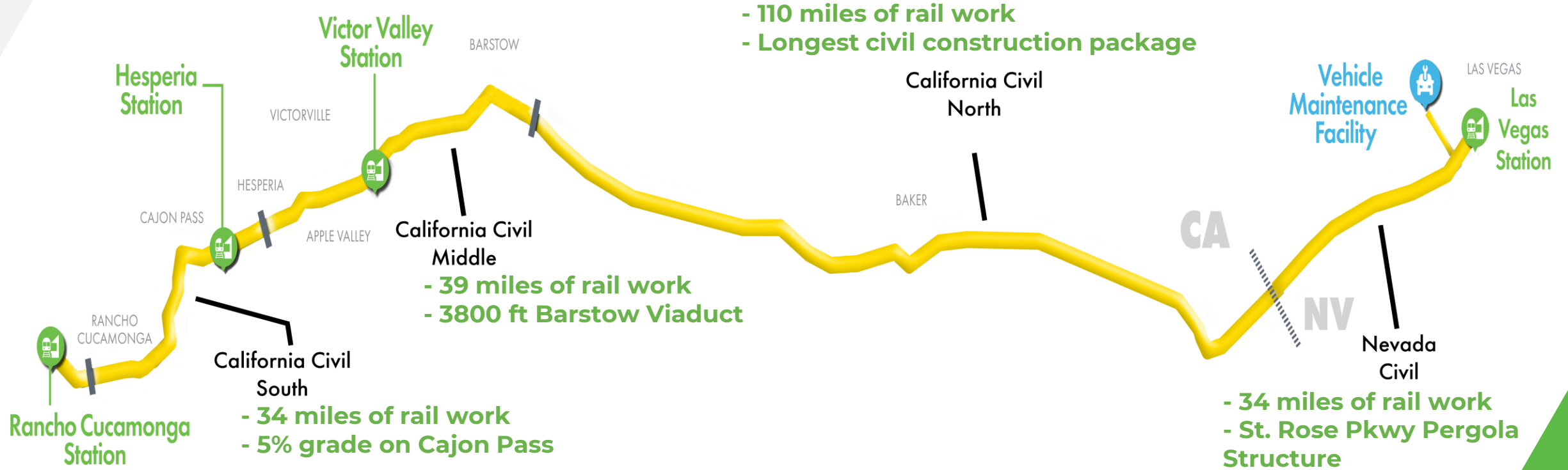
- Single Design-Build turnkey contract
- Ten trainsets support initial service

LABOR AND WORKFORCE

- MOU's in place with labor unions
- SBE and DBE through prime DB contractors

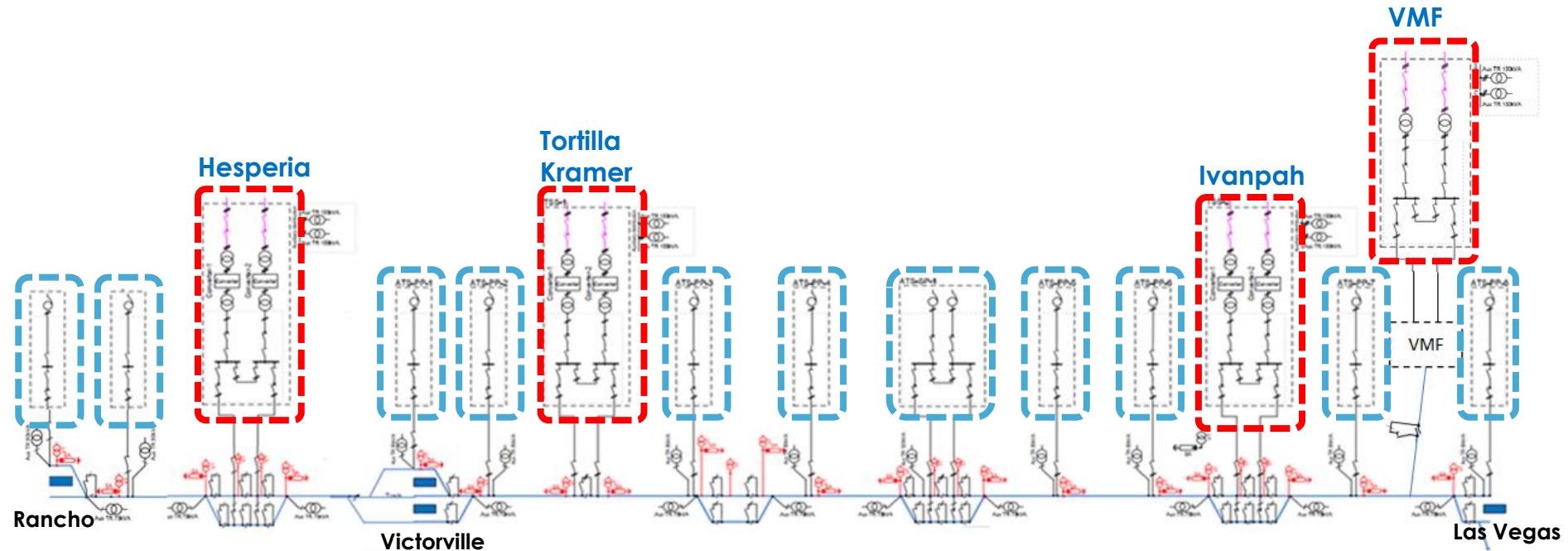


CONTRACT WORK ZONES



POWER SUPPLY

- Southern Cal Edison is building three dedicated ~60 MW capacity substations for BLW
- Nevada Energy to build one ~20MW capacity substation for Vehicle Maintenance Facility



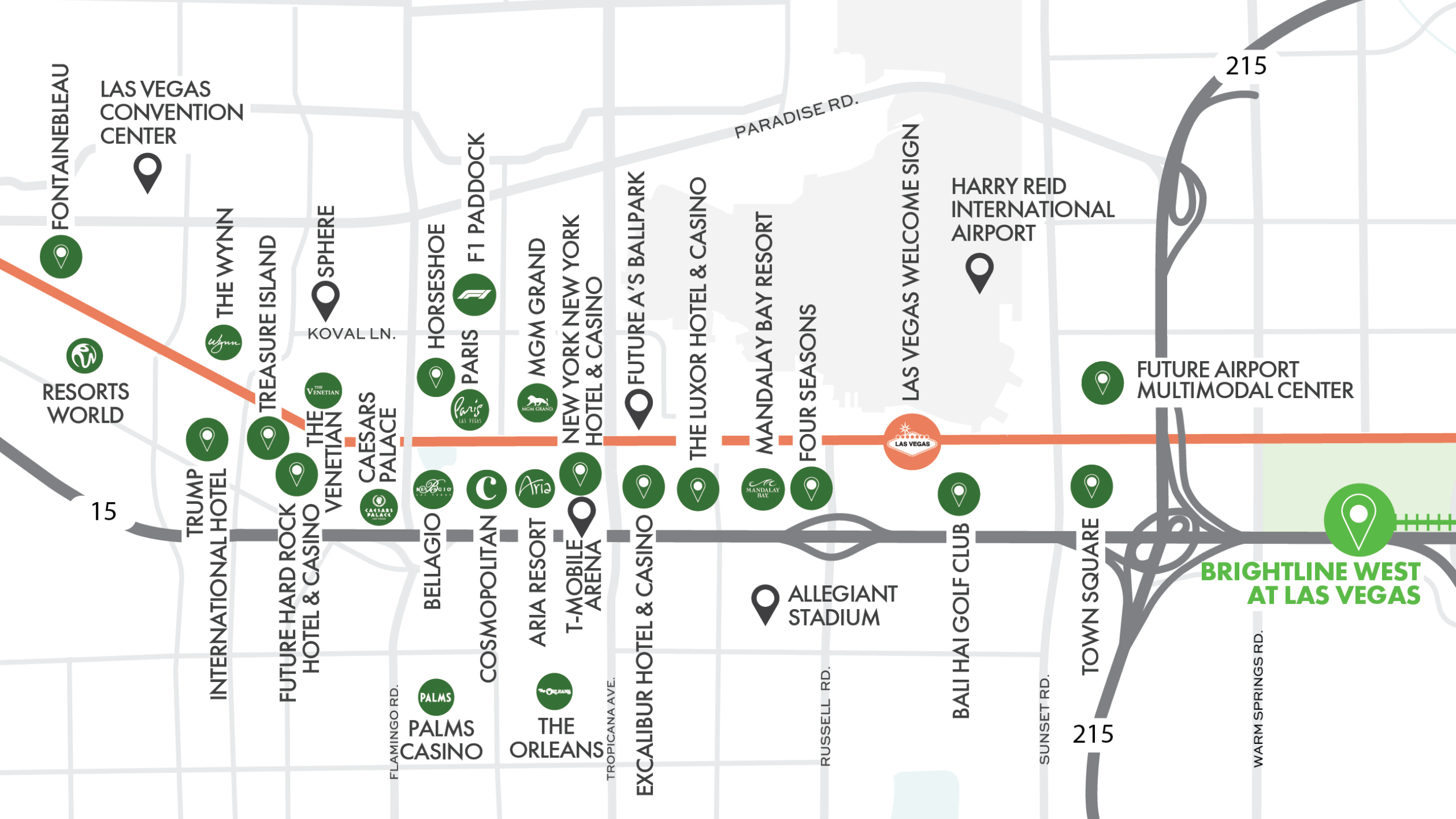
[Red dashed box] Feed in Sites – Location of Traction power substations

[Blue dashed box] ATS Sites – Voltage boosting to maintain Traction power voltage



LAS VEGAS STATION

- **Brightline Trains owns 110 acres** on Las Vegas Blvd.
- **Proximate to major Las Vegas hotels, casinos, sports stadiums, and convention center**
- **Adjacent to I-15 & I-215 / One mile from major international airport**
- **Centrally located in Las Vegas' most actively developed region**



FONTAINEBLEAU

LAS VEGAS CONVENTION CENTER

RESORTS WORLD

15

TRUMP INTERNATIONAL HOTEL

THE WYNN

TREASURE ISLAND

FUTURE HARD ROCK HOTEL & CASINO

THE VENETIAN

SPHERE

CAESARS PALACE

KOVAL LN.

PALMS CASINO

BELLAGIO

HORSESHOE

COSMOPOLITAN

PARIS LAS VEGAS

F1 PADDOCK

THE ORLEANS

ARIA RESORT

MGM GRAND

NEW YORK NEW YORK HOTEL & CASINO

T-MOBILE ARENA

TROPICANA AVE.

EXCALIBUR HOTEL & CASINO

FUTURE A'S BALLPARK

THE LUXOR HOTEL & CASINO

ALLEGiant STADIUM

MANDALAY BAY

MANDALAY BAY RESORT

FOUR SEASONS

LAS VEGAS WELCOME SIGN

BALI HAI GOLF CLUB

HARRY REID INTERNATIONAL AIRPORT

SUNSET RD.

TOWN SQUARE

215

FUTURE AIRPORT MULTIMODAL CENTER

BRIGHTLINE WEST AT LAS VEGAS

WARM SPRINGS RD.

215

CALIFORNIA STATIONS

METROLINK

COORDINATION WITH METROLINK

- TIMETABLE SCHEDULING
- SEAMLESS TRANSFERS
- TICKETING
- BRANDING



RANCHO CUCAMONGA STATION

VICTOR VALLEY (similar Hesperia)
IN-LINE STATION

SIEMENS AMERICAN PIONEER 220



ROLLING STOCK

- Fully electric-powered trains capable of 200+ mph
- Approx. 450 passengers per train
- Trains can be coupled to double capacity
- Initial order of 10 trainsets
- Interoperable with CAHSR

Latest MILESTONES

April 22, 2024: **Brightline West Groundbreaking**

May 2024: **Siemens Selected as Rolling Stock Manufacturer**

Sept 2024: **Siemens Announces New York Facility**

Sept 2024: **\$3B FSP Grant Agreement Signed**

Field Investigation Work: **95% complete in Nevada**

Field Investigation Work: **88% complete in California**



Funding INITIATIVES

Federal State Partnership: \$3 Billion

Raise Grant: \$25 Million

Private Activity Bonds: \$3.5 Billion

Remaining Funds: Combination of debt and equity



CONTACT US

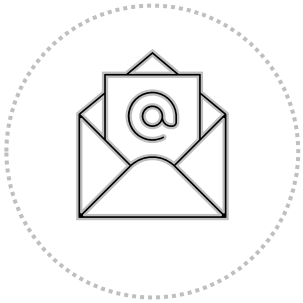
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THANK YOU!

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