Texas Department of Transportation

EL PASO DISTRICT
ROBERT BIELEK, DPA, P.E.,
DISTRICT ENGINEER

DRAFT
HORIZON BOULEVARD CORRIDOR STUDY PROPOSED CONCEPTUAL ALTERNATIVES

EL PASO COUNTY, TEXAS

FROM ALAMEDA AVE (SH 20) TO ASCENSION ST
CSJ: 3451-01-032
LENGTH: 9.4 MILES

DATE: JANUARY 2019

ROADWAY	SPEED	CLASSIFICATION
FM 1281/ HORIZON BLVD	45 MPH	URBAN PRINCIPAL ARTERIAL

ROLL 1 OF 4

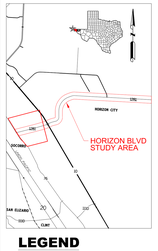
INDEX OF SHEETS

ROLL 1 OF 4: ALAMEDA AVE TO THUNDER RD

ROLL 2 OF 4: THUNDER RD TO GREEN DESERT CIR

ROLL 3 OF 4: GREEN DESERT CIR TO KENAZO AVE

ROLL 4 OF 4: KENAZO AVE TO ASCENSION ST



LEGEND

- CITY LIMITS
- EXISTING R.O.W.
- PUBLIC SCHOOL BOUNDARY
- PROPERTY LINE
- MULTIUSE PATH
- WATERWAYS
- RAILROAD
- BRIDGE LIMITS
- BUS STOP
- LOS LEVEL OF SERVICE

0 200

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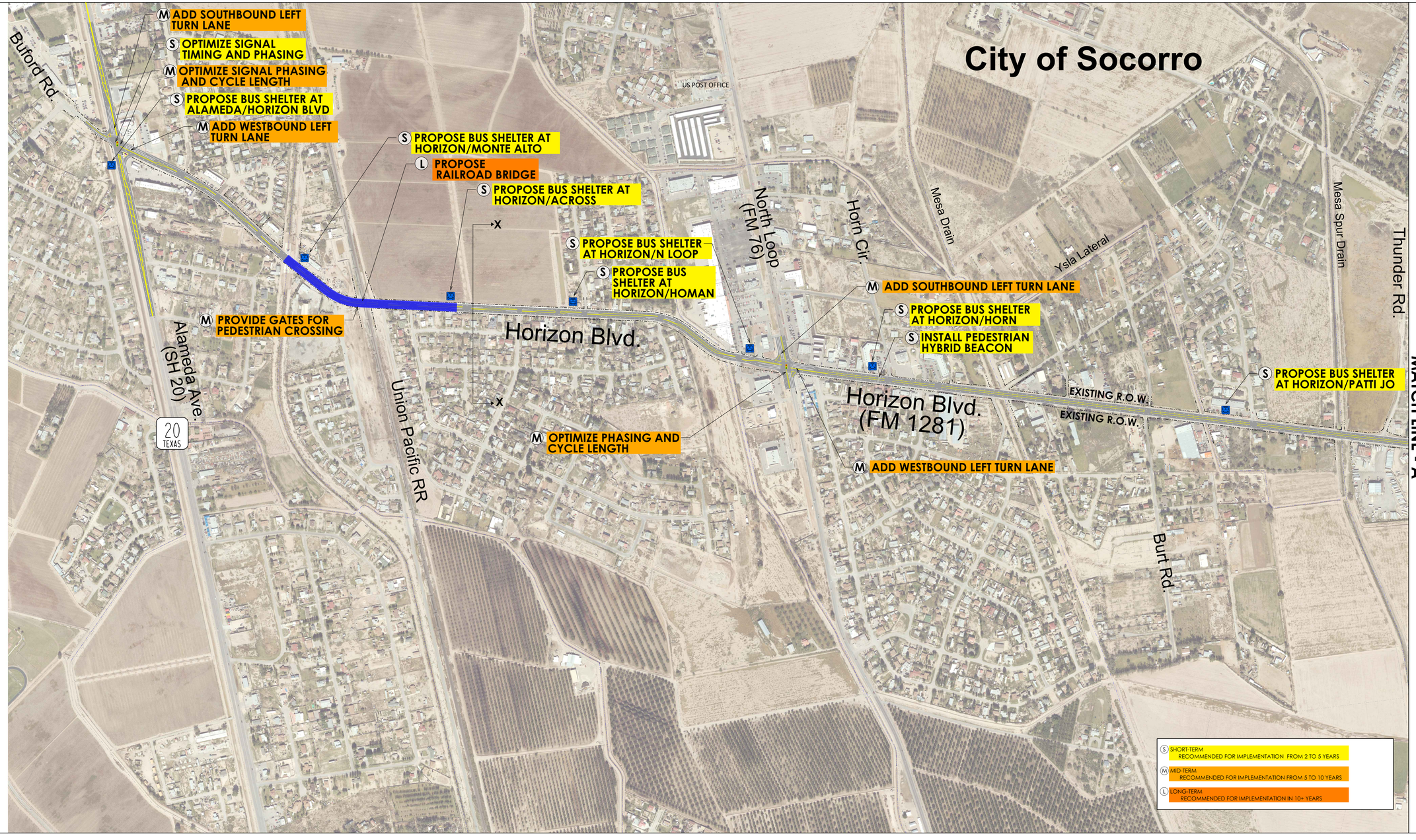

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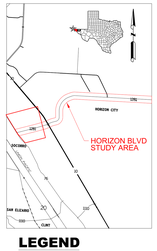

LEGEND
CITY LIMITS
EXISTING R.O.W.
PUBLIC SCHOOL BOUNDARY
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ROLL 4 OF 4: KENAZO AVE TO ASCENSION ST

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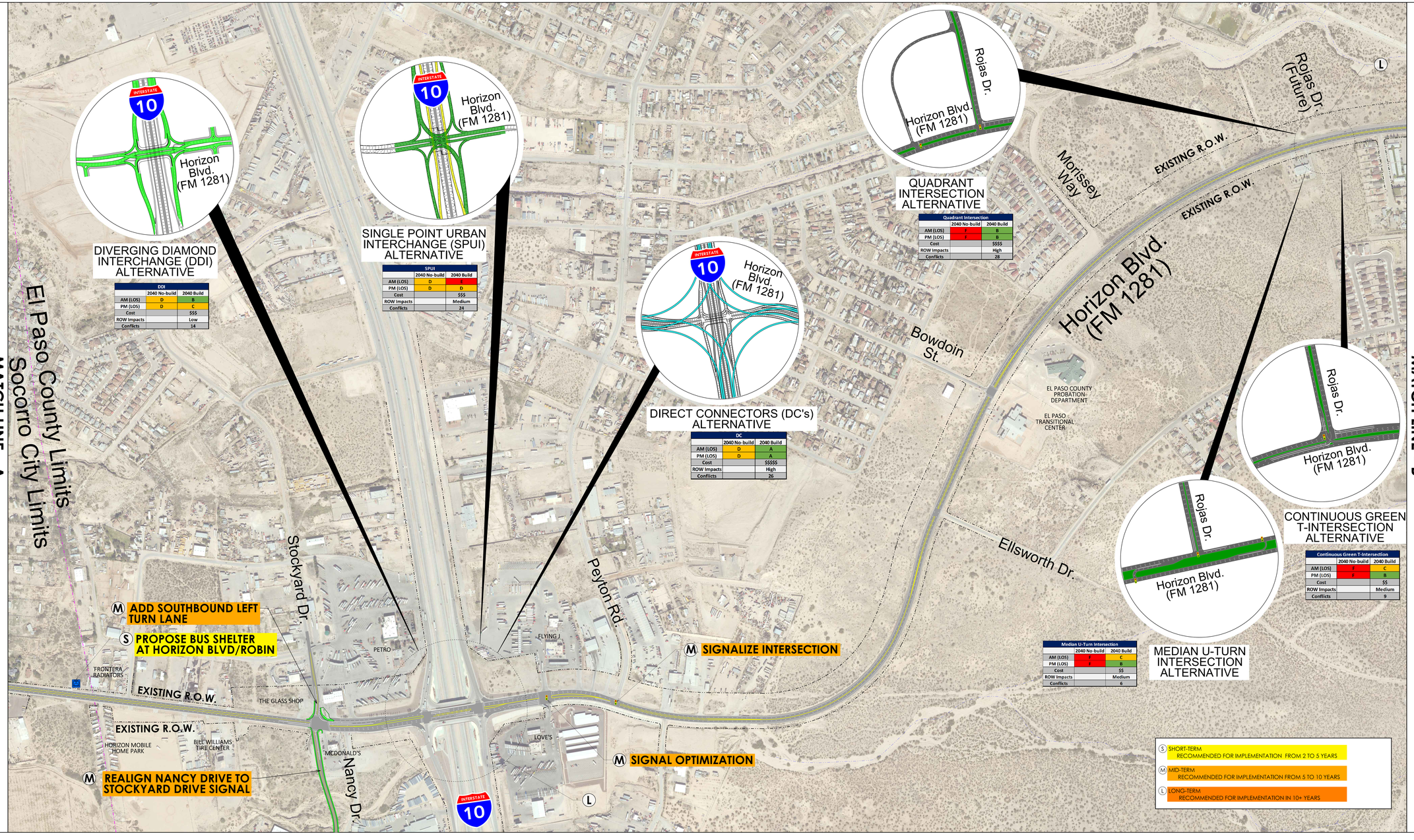
MATCH LINE - A



DDI

	2040 No-build	2040 Build
AM (LOS)	D	B
PM (LOS)	D	C
Cost		$$$
ROW Impacts		Low
Conflicts		14

SPUI

	2040 No-build	2040 Build
AM (LOS)	D	E
PM (LOS)	D	D
Cost		$$$
ROW Impacts		Medium
Conflicts		24

DC

	2040 No-build	2040 Build
AM (LOS)	D	A
PM (LOS)	D	A
Cost		$$$$$$
ROW Impacts		High
Conflicts		26

Quadrant Intersection

	2040 No-build	2040 Build
AM (LOS)	F	B
PM (LOS)	F	B
Cost		$$$$$
ROW Impacts		High
Conflicts		28

Continuous Green T-Intersection

	2040 No-build	2040 Build
AM (LOS)	F	C
PM (LOS)	F	B
Cost		$$
ROW Impacts		Medium
Conflicts		9

Median U-Turn Intersection

	2040 No-build	2040 Build
AM (LOS)	F	C
PM (LOS)	F	B
Cost		$$
ROW Impacts		Medium
Conflicts		6

MATCH LINE - B

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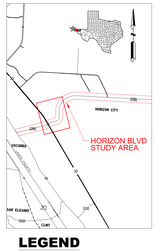

LEGEND

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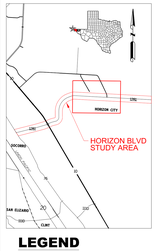

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Town of Horizon City

El Paso County Limits

Horizon City Limits

Ashford St.

Ellsworth Dr.

Green Desert Cir.

MATCH LINE - B

Horizon Blvd. (FM 1281)

Darrington Rd.

Kenazo Ave.

MATCH LINE - C

(S) PROPOSE BUS SHELTER AT HORIZON BLVD/DARRINGTON

(L)

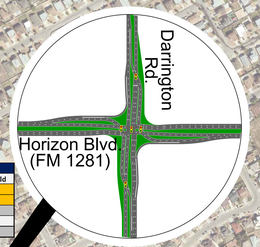
EXISTING R.O.W.

(M) MAKE SOUTHBOUND LEFT EXCLUSIVE LANE

(M) REALIGN KENAZO AVE TO ELIMINATE OFFSET DESIGN

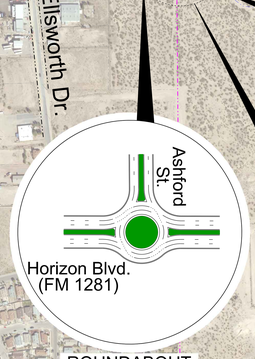
(M) ADD EASTBOUND LEFT TURN LANE

(M) OPTIMIZE PHASING AND CYCLE LENGTH



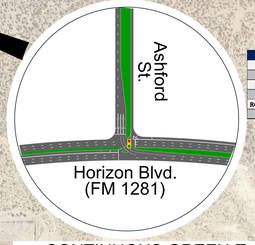
CONTINUOUS FLOW INTERSECTION ALTERNATIVE

Continuous Flow Intersection	2040 No-build	2040 Build
AM (LOS)	F	C
PM (LOS)	F	C
Cost		$$$$
ROW Impacts		High
Conflicts		30



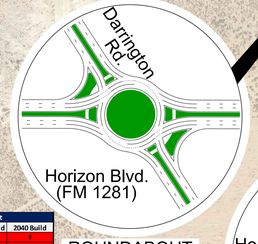
ROUNDABOUT ALTERNATIVE

Roundabout	2040 No-build	2040 Build
AM (LOS)	F	B
PM (LOS)	D	C
Cost		$$
ROW Impacts		Low
Conflicts		8



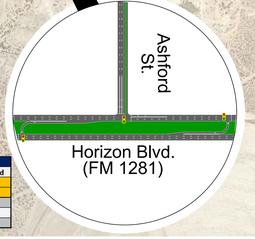
CONTINUOUS GREEN-T INTERSECTION ALTERNATIVE

Continuous Green T-Intersection	2040 No-build	2040 Build
AM (LOS)	E	C
PM (LOS)	D	C
Cost		$$
ROW Impacts		Low
Conflicts		9



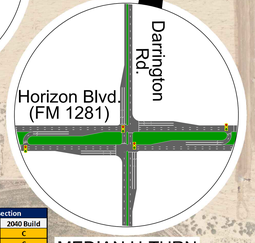
ROUNDABOUT ALTERNATIVE

Roundabout	2040 No-build	2040 Build
AM (LOS)	F	F
PM (LOS)	F	F
Cost		$$
ROW Impacts		Low
Conflicts		8



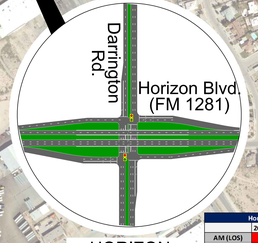
MEDIAN U-TURN INTERSECTION ALTERNATIVE

Median U-turn Intersection	2040 No-build	2040 Build
AM (LOS)	F	C
PM (LOS)	D	C
Cost		$$$
ROW Impacts		Low
Conflicts		6



MEDIAN U-TURN INTERSECTION ALTERNATIVE

Median U-Turn Intersection	2040 No-build	2040 Build
AM (LOS)	F	C
PM (LOS)	F	C
Cost		$$$
ROW Impacts		Medium
Conflicts		16



HORIZON OVERPASS ALTERNATIVE

Horizon Overpass	2040 No-build	2040 Build
AM (LOS)	E	C
PM (LOS)	F	C
Cost		$$$$
ROW Impacts		High
Conflicts		26

(S) SHORT-TERM
RECOMMENDED FOR IMPLEMENTATION FROM 2 TO 5 YEARS

(M) MID-TERM
RECOMMENDED FOR IMPLEMENTATION FROM 5 TO 10 YEARS

(L) LONG-TERM
RECOMMENDED FOR IMPLEMENTATION IN 10+ YEARS

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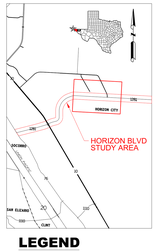

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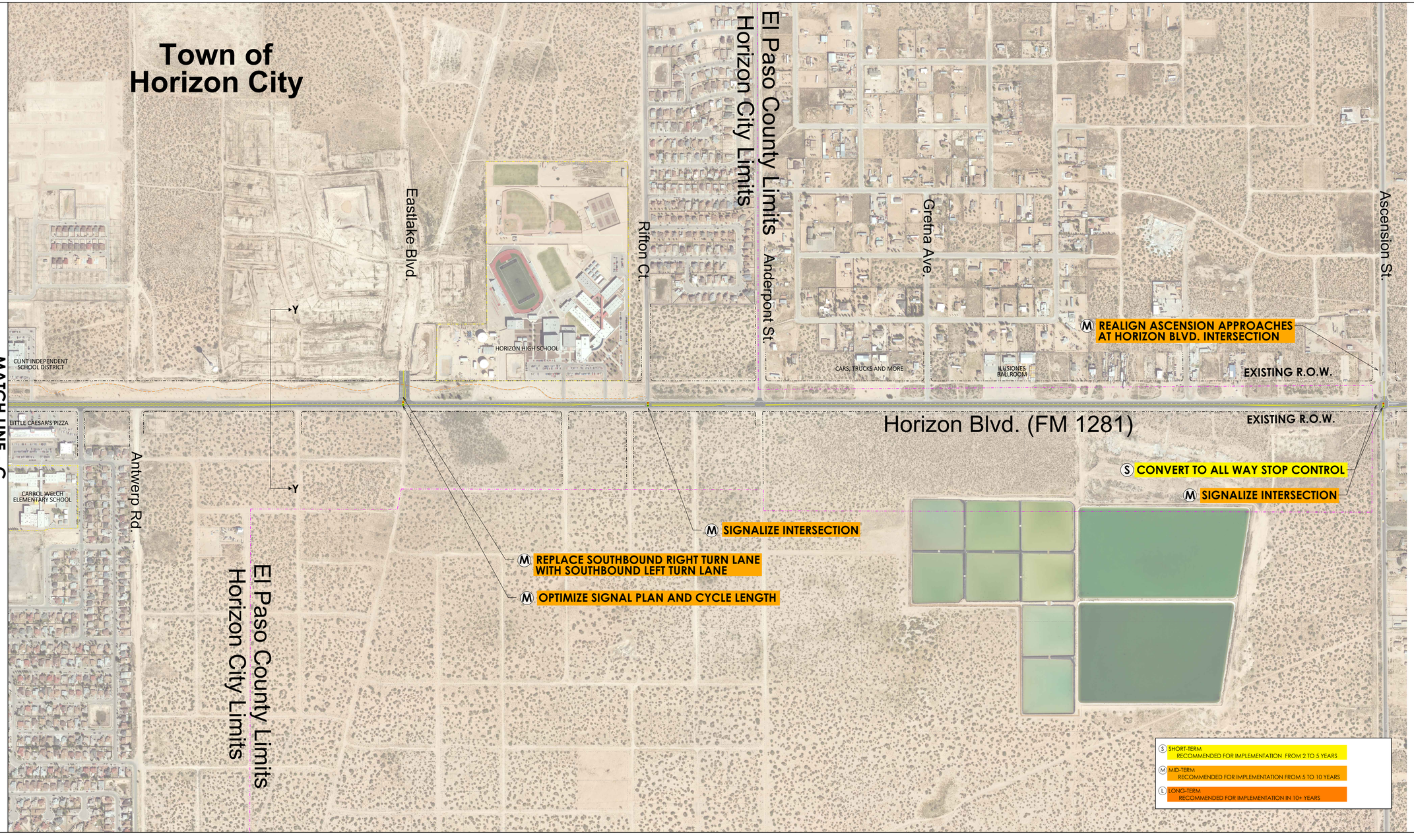

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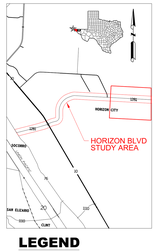

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