

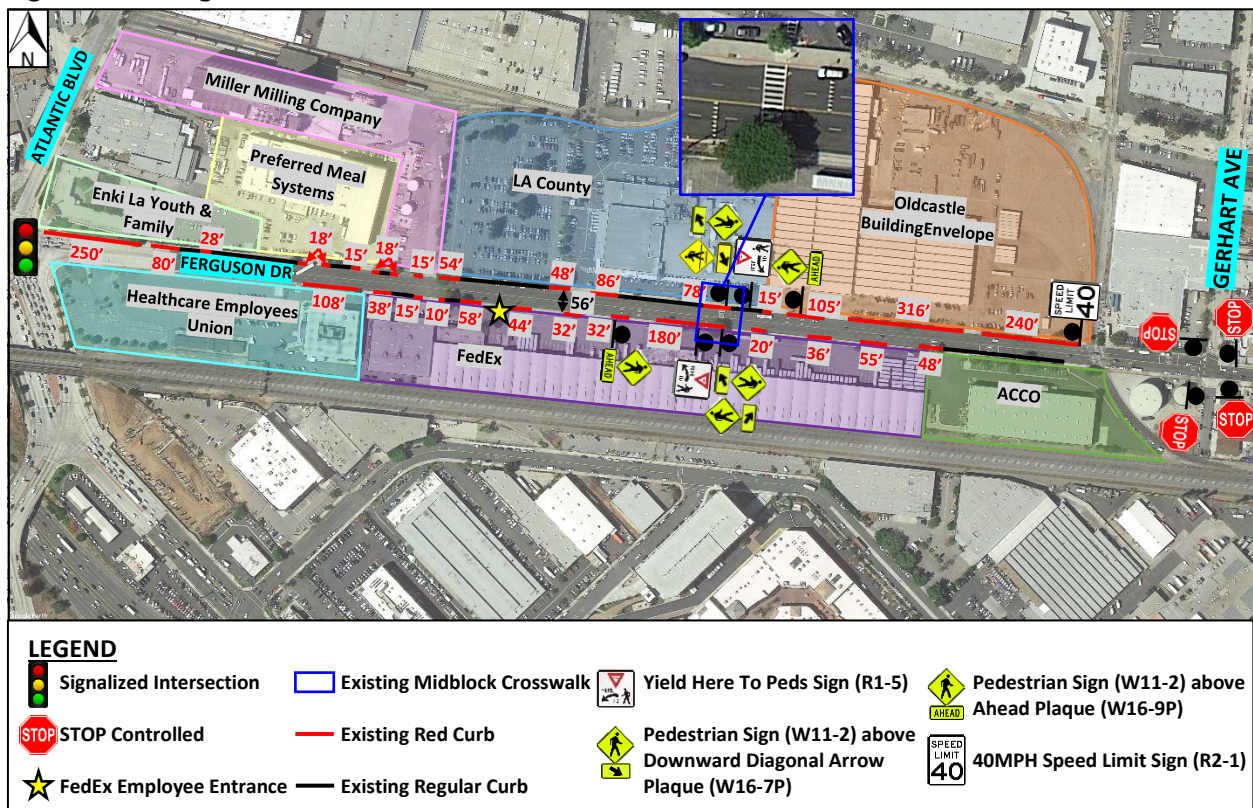
TRAFFIC REPORT

DATE: June 10, 2020
SUBJECT: TRAFFIC SAFETY REVIEW OF RELOCATION OF MIDBLOCK CROSSWALK ON FERGUSON DRIVE EAST OF ATLANTIC BOULEVARD OPPOSITE THE FED-EX DISTRIBUTION CENTER

INTRODUCTION/BACKGROUND

The City of Commerce received a request from FedEx to improve and relocate the existing midblock crosswalk that is located along Ferguson Drive east of Atlantic Boulevard. Most pedestrians using the midblock crosswalk on Ferguson Drive are FedEx employees since they frequently park on the north side of Ferguson Drive and cross Ferguson Drive to the FedEx building. FedEx hired consultant engineers to design added safety improvements to the crosswalk and have chosen the best crossing point that will reduce the distance that employees will need to walk in the street before entering the site. The placement of the crosswalk will be directly in front of the employee entrance. The City of Commerce has reviewed the plans to ensure they meet industry standards.

Figure 1: Existing Conditions



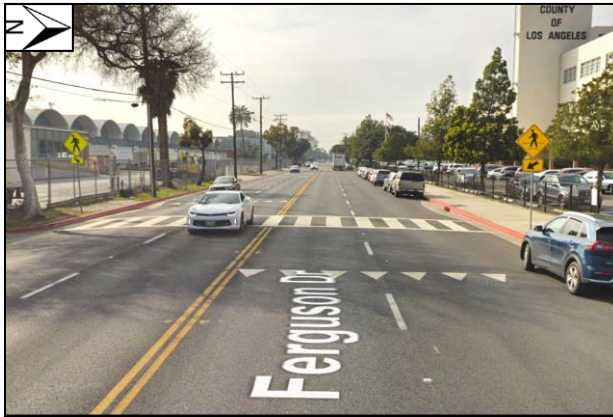
Ferguson Drive: Per the City's Master Plan of Streets, Ferguson Drive is considered a major collector road with a posted speed limit of 40 MPH. Ferguson Drive runs east/west and is approximately 56-feet wide with a double yellow center line and two traffic lanes in each direction. There is no existing sidewalk along the south side of Ferguson Drive. Parking is prohibited along most of the south side of Ferguson Drive where there is red curb except right in front of the ACCO building as shown in **Figure 1**. Parking is allowed along several curb segments on the north side of Ferguson Drive specifically right in front of the LA County building and in front of the Preferred Meal Systems building with parking prohibited on all other areas where there is red curb. Land use along Ferguson Drive within the City of Commerce is considered industrial.

Midblock Crosswalk: There is an existing midblock crosswalk along Ferguson Drive that leads directly to the entrance to the LA County building but with parking prohibited and no existing sidewalk along the south side of Ferguson Drive there is little use for the existing crosswalk to remain at that location. Most of the pedestrians crossing along Ferguson Drive are FedEx employees who park along the north side of Ferguson Drive and have to cross to the south side to enter the FedEx building. Relocating the existing crosswalk approximately 600-feet west will allow for FedEx employees who park along the north side of Ferguson Drive to walk along a paved sidewalk and cross along the marked crosswalk that leads directly into the FedEx employee entrance.

On December 04, 2019 City staff met with the FedEx senior manager and he explained his concerns with his employees crossing across Ferguson Dr and the high speed of the vehicles. He stated that last year one of his employees crossing the street (not using the existing marked crosswalk) was hit by a speeding vehicle and it resulted in a fatality. The senior manager explained that there are currently about 50 parking spaces on-site for his employees with parking in the facility being on a first come-first serve basis and the rest are required to park on the street. There are approximately 100 employees at a time in the facility and they rotate throughout the day. FedEx is planning on expanding their employee parking on-site by adding approximately 44 more spaces, they took over the building to the west and will be demolishing it to use as additional area for parking. This will still require some employees to park outside of the facility and on the street. FedEx is proposing to relocate the existing crosswalk and install all improvements necessary to make the crossing safer for pedestrians using the crosswalk.



PICTURE



Midblock crosswalk along Ferguson Dr facing west



Midblock crosswalk along Ferguson Dr facing east



Proposed location for midblock crosswalk facing west



Proposed location for midblock crosswalk facing east

ACCIDENT INVESTIGATION

An accident investigation was conducted using data available for the last 3 years from SWITRS (Statewide Integrated Traffic Records Systems) records (2017-2019). The investigation found that there was a total of 23 vehicle collisions recorded along the segment of Ferguson Drive between Atlantic Boulevard and Gerhart Avenue over the 3-year period. From the reported collisions 17 of the 33 reported collisions resulted in property damage, 6 resulted in injuries with 4 being a complaint of pain type injury and 2 a visible injury. There were 2 reported bicycle related collisions where an eastbound thru vehicle hit an eastbound thru bicyclist and where an eastbound right turn vehicle hit a westbound thru bicyclist, neither of which resulted in injuries.

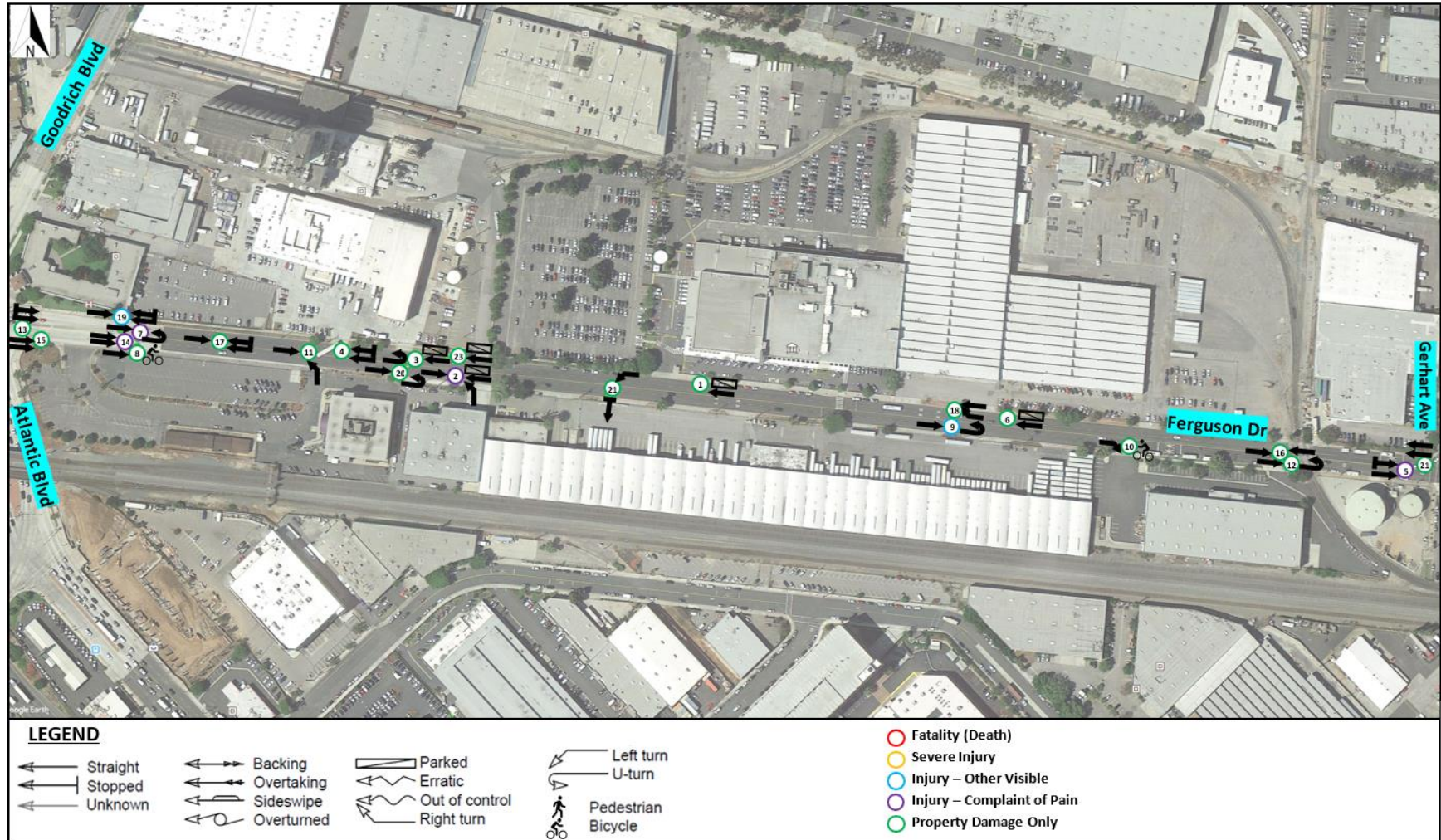


Table 1: Summary of Collision History Along Ferguson Drive between Atlantic Boulevard and Gerhart Avenue

ID #	Date	Location	Dist.	Time	Collision Type	Severity	# Injured	Factor	PCF
1	06/25/19	FERGUSON DR AT GOODRICH BL	1540'E	07:52	SIDESWIPE	PDO	0	OTHER HAZ	WB THRU VEH HIT WB PARKED VEH
2	06/05/19	FERGUSON DR AT GOODRICH BL	1000'E	16:50	BROADSIDE	INJ - COMP PN	3	NOT STATED	NB LFT TURN VEH HIT EB THRU VEH AND WB VEH (X2) AND PARKED VEH
3	05/18/19	FERGUSON DR AT ATLANTIC BL	916'E	07:20	BROADSIDE	PDO	0	R-O-W AUTO	WB THRU VEH HIT EB U-TURN VEH AND WB PARKED VEH
4	03/01/19	FERGUSON DR AT ATLANTIC BL	750'E	17:30	REAR END	PDO	0	TOO CLOSE	WB THRU VEH HIT WB STOPPED VEH
5	01/09/19	FERGUSON DR AT GERHART AV	60'W	21:45	REAR END	INJ - COMP PN	1	UNSAFE SPEED	EB THRU VEH HIT EB STOPPED VEH (X2)
6	11/26/18	FERGUSON DR AT GERHART AV	947'W	05:56	SIDESWIPE	PDO	0	IMPROP TURN	WB THRU VEH HIT PARKED VEH
7	11/19/18	FERGUSON DR AT ATLANTIC BL	300'E	13:30	BROADSIDE	INJ - COMP PN	1	IMPROP TURN	EB THRU VEH HIT EB U-TURN VEH
8	10/10/18	FERGUSON DR AT ATLANTIC BL	300'E	13:23	SIDESWIPE	PDO	0	NOT STATED	EB THRU VEH HIT EB THRU BICY
9	09/19/18	FERGUSON DR AT GERHART AV	1056' W	04:07	REAR END	INJ - OTH VIS	1	UNSAFE SPEED	EB THRU VEH HIT EB U-TURN VEH
10	08/21/18	FERGUSON DR AT GERHART AV	610'W	08:30	BROADSIDE	PDO	0	IMPROP TURN	EB RGT TURN VEH HIT WB THRU BICY
11	07/26/18	FERGUSON DR AT GOODRICH BL	650'E	16:54	BROADSIDE	PDO	0	R-O-W AUTO	EB THRU VEH HIT NB LFT TURN VEH
12	07/18/18	FERGUSON DR AT GERHART AV	321'W	07:00	IMPROP TURN	PDO	0	IMPROP TURN	EB THRU VEH HIT EB U-TURN VEH
13	03/13/18	FERGUSON DR AT ATLANTIC BL	40'E	17:00	SIDESWIPE	PDO	0	UNSAFE SPEED	EB THRU VEH HIT EB STOPPED VEH
14	12/28/17	FERGUSON DR AT ATLANTIC BL	289'E	20:30	BROADSIDE	INJ - COMP PN	1	IMPROP TURN	EB CHANG LN VEH HIT EB THRU VEH
15	12/14/17	FERGUSON DR AT ATLANTIC BL	83'E	14:46	REAR END	PDO	0	IMPROP TURN	EB THRU VEH HIT EB ENT TRAF VEH
16	11/06/17	FERGUSON DR AT GERHART AV	350'W	10:06	NOT STATED	PDO	0	IMPROP TURN	WB ENT TRAF VEH HIT EB THRU VEH
17	09/14/17	FERGUSON DR AT GOODRICH BL	475'E	17:45	REAR END	PDO	0	UNSAFE SPEED	WB THRU VEH HIT WB STOPPED VEH (X2) AND EB THRU VEH
18	08/23/17	FERGUSON DR AT GERHART AV	1056' W	11:00	BROADSIDE	PDO	0	R-O-W AUTO	WB RGT TURN VEH HIT WB THRU VEH
19	08/18/17	FERGUSON DR AT GOODRICH BL	261'E	14:49	NOT STATED	INJ - OTH VIS	1	DRVR ALC DRG	WB THRU VEH HIT WB STOPPED VEH (X4) AND EB THRU VEH
20	06/26/17	FERGUSON DR AT ATLANTIC BL	900'E	08:21	SIDESWIPE	PDO	0	R-O-W AUTO	EB THRU VEH HIT EB U-TURN VEH
21	05/11/17	FERGUSON DR AT GERHART AV	1825' W	17:51	SIDESWIPE	PDO	0	OTHER IMPROP DRV	WB LFT TURN VEH HIT SB STOPPED VEH
22	02/10/17	FERGUSON DR AT GERHART AV	25'W	15:35	BROADSIDE	PDO	0	LANE CHANGE	WB CHANG LN VEH HIT WB THRU VEH
23	02/01/17	FERGUSON DR AT ATLANTIC BL	982'E	11:30	BROADSIDE	PDO	0	IMPROP TURN	WB THRU VEH HIT WB PARKED VEH



Figure 2: Ferguson Drive between Atlantic Boulevard and Gerhart Avenue Collision Diagram – 23 collisions



RECOMMENDATIONS

The City of Commerce is in concurrence with the recommendations proposed by FedEx for the relocation of the existing crosswalk and the proposed improvements to increase the visibility of the midblock uncontrolled crosswalk and safety of crossing pedestrians. FedEx is proposing to relocate the existing midblock uncontrolled crosswalk 600-feet west in front of their employee entrance which will provide direct walkable access from the north side of the road where there is sidewalk to the entrance of the FedEx facility on the south side of the road. FedEx is also proposing to install the following improvements at the uncontrolled midblock crosswalk.

1. Remove all crosswalk markings and pavement markings by (wet) sandblasting and fog seal to restore pavement condition.
2. Paint white ladder striped crosswalk at new location in front FedEx employee entrance.
3. Remove existing signage from previous crosswalk location and install solar powered double-sided LED blinking "Pedestrian Crossing" (W11-2, size 36x36) sign with "Diagonal Downward Pointing Arrow" (W16-7P, size 24x12) plaque and Rectangular Flashing Beacon with Pedestrian Push Button per CAMUTCD Section 2C.50 at new uncontrolled crosswalk location.
4. Remove existing "Yield Here to Pedestrians" signage (if size is 36x36 may reuse) from previous location and install "Yield Here to Pedestrians" (R1-5, size 36x36) sign approx. 20-feet from new uncontrolled crosswalk per CAMUTCD Section 2B.11.
5. Remove existing yield lines from previous location and paint Yield Lines approx. 20-feet from new uncontrolled crosswalk per CAMUTCD Section 3B.16.
6. Remove all older faded existing approach signage from previous locations and install new "Pedestrian Crossing" (W11-2, size 36x36) with "AHEAD" (16-9P, size 24x12) plaque approx. 125-feet from point of potential stop (new yield line locations) per CAMUTCD Section 2C.50 and Table 2C-4.
7. Remove existing pavement legends from previous locations and paint "PED XING" pavement legend approx. 125-feet from point of potential stop (new yield line locations) per CAMUTCD Section 3B.20 and Table 2C-4.
8. Install ADA Compliant Curb Ramps with Truncated Domes on both sides of crosswalk.
9. Paint curb red to prohibit parking near the crosswalk based on line of sight.
 - Approximately 130-feet of red curb on the north side of Ferguson Drive east of the crosswalk
 - Approximately 60-feet of red curb on the north side of Ferguson Drive west of the crosswalk
 - Approximately 40-feet of red curb on the south side of Ferguson Drive east of the crosswalk
 - Approximately 90-feet of red curb on the south side of Ferguson Drive west of the crosswalk
10. Change street light bulb to LED to increase nighttime visibility of pedestrians.



Figure 3. Proposed Improvements

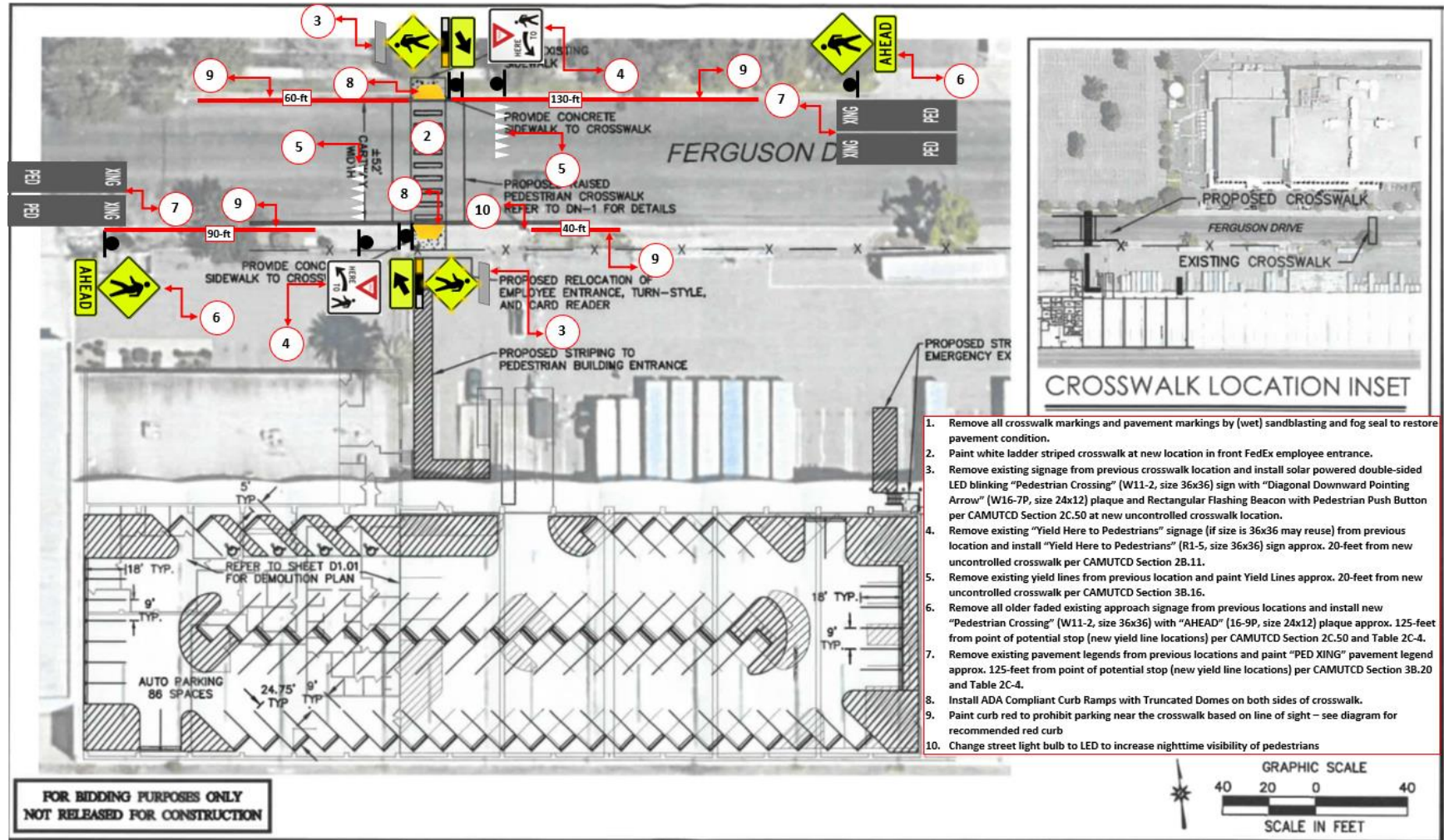


Figure 4. Plans Submitted by FedEx

