



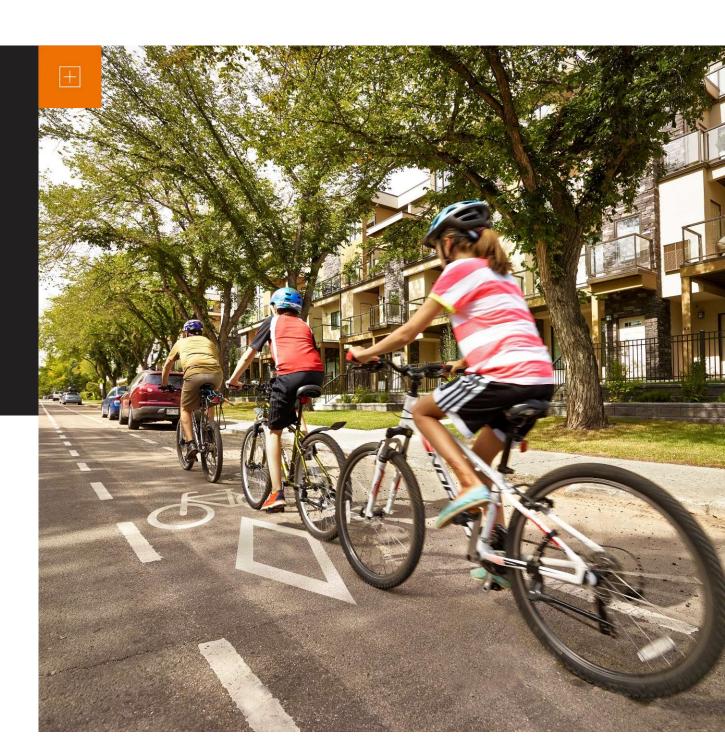
El Paso County

Furrow Road Consultant Engineering Safety Evaluation Project – From Hwy 105 to Higby Road

Safety Moment

Covid 19:

While mask usage is encouraged, they are not required for any individual inside our school buildings. D38 will promote and ensure a supportive and welcoming environment for all those who choose to wear a mask.



Introductions

• El Paso County: Chris Bland, P.E., Joshua Palmer, P.E.



• Stantec Consulting Services: Dave Krauth, P.E., Brent Hypnarowski, E.I.T.



Agenda

- 1. Introductions
- 2. Agenda Review
- 3. Project Scope Overview
- 4. Data Review
 - Volumes
 - Crash Analysis
 - Speed Data
- 5. Major Transportation Corridors Plan
- 6. Alternatives/Treatments
 - Acceptable vs Not Acceptable
- 7.Q & A

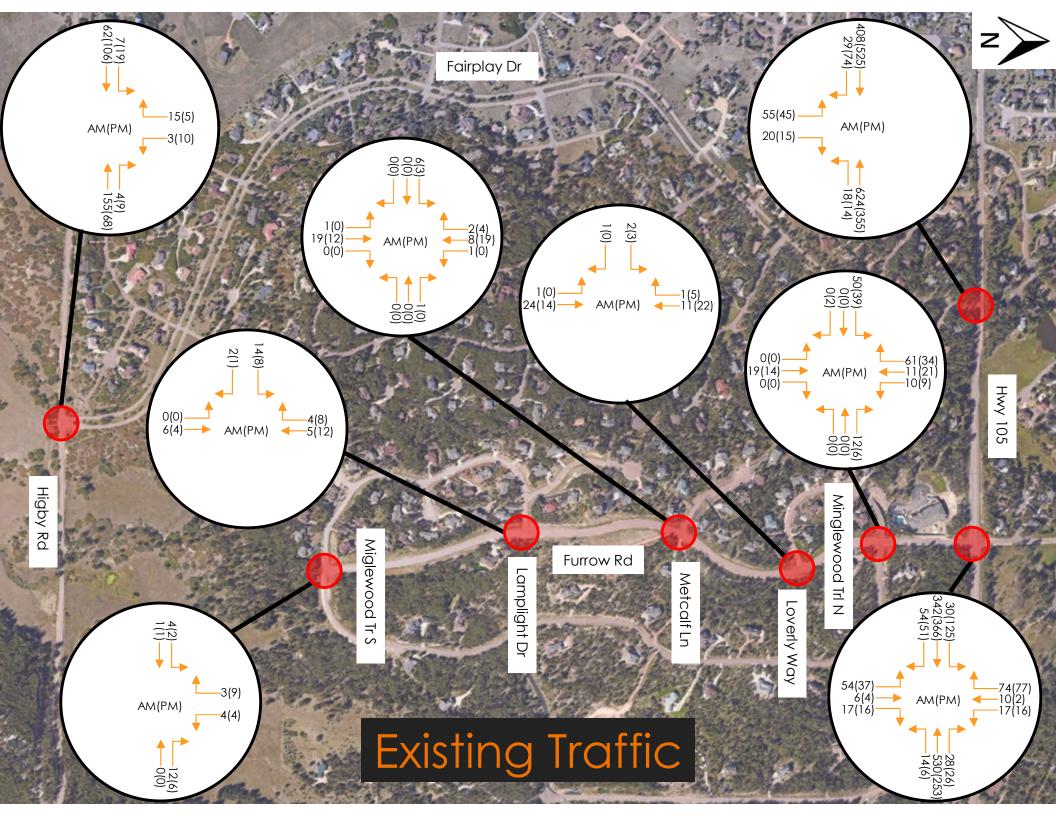
Project Scope

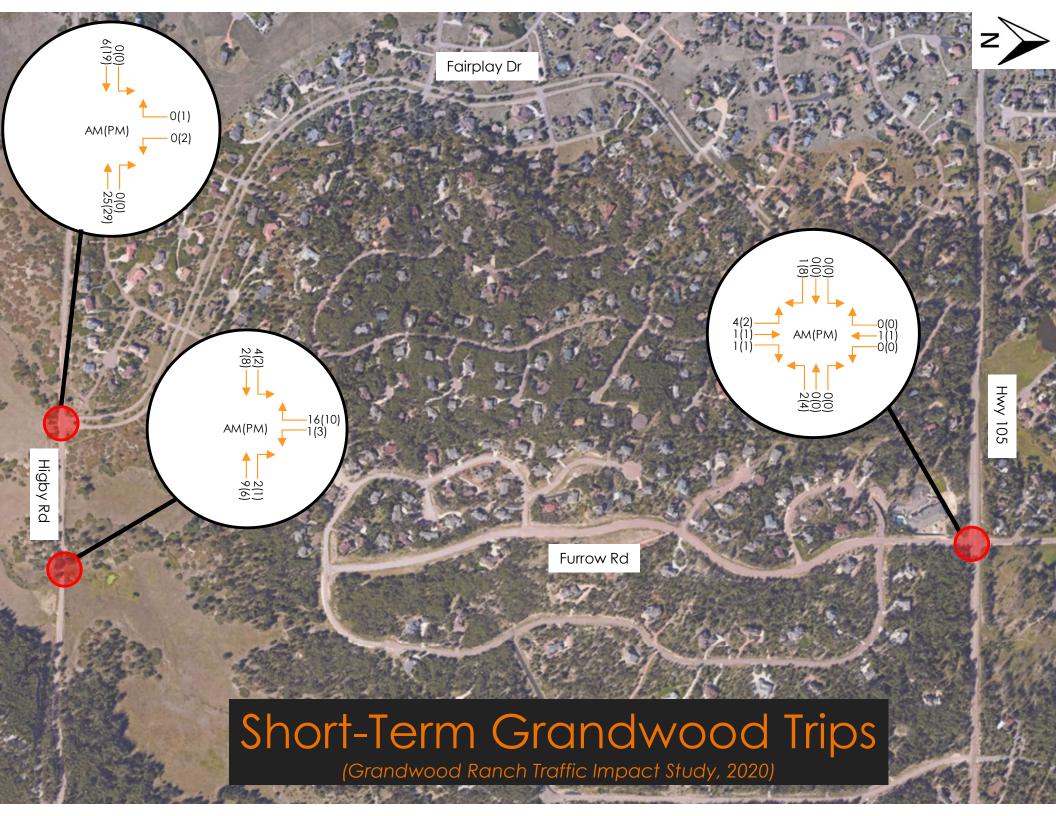
GOAL - Provide El Paso County with data and analysis to make an informed decision on solution(s) to issues raised by the neighborhood.

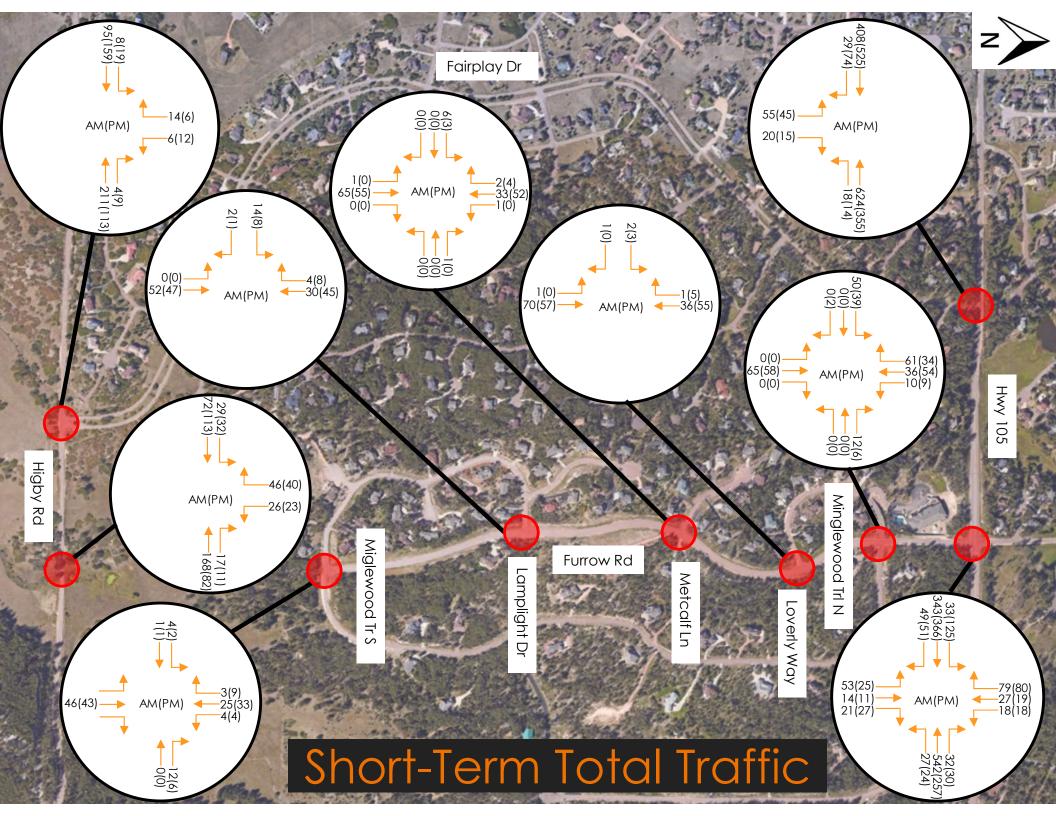
- Evaluate Existing and Future Traffic Operations
 - Volumes, Crashes, Speeds, Operational Issues, Geometric Issues
- Engage Residents Two Public Meetings
- Develop Recommendations of treatments
- Conceptual Design and Cost Estimating
- Final Report

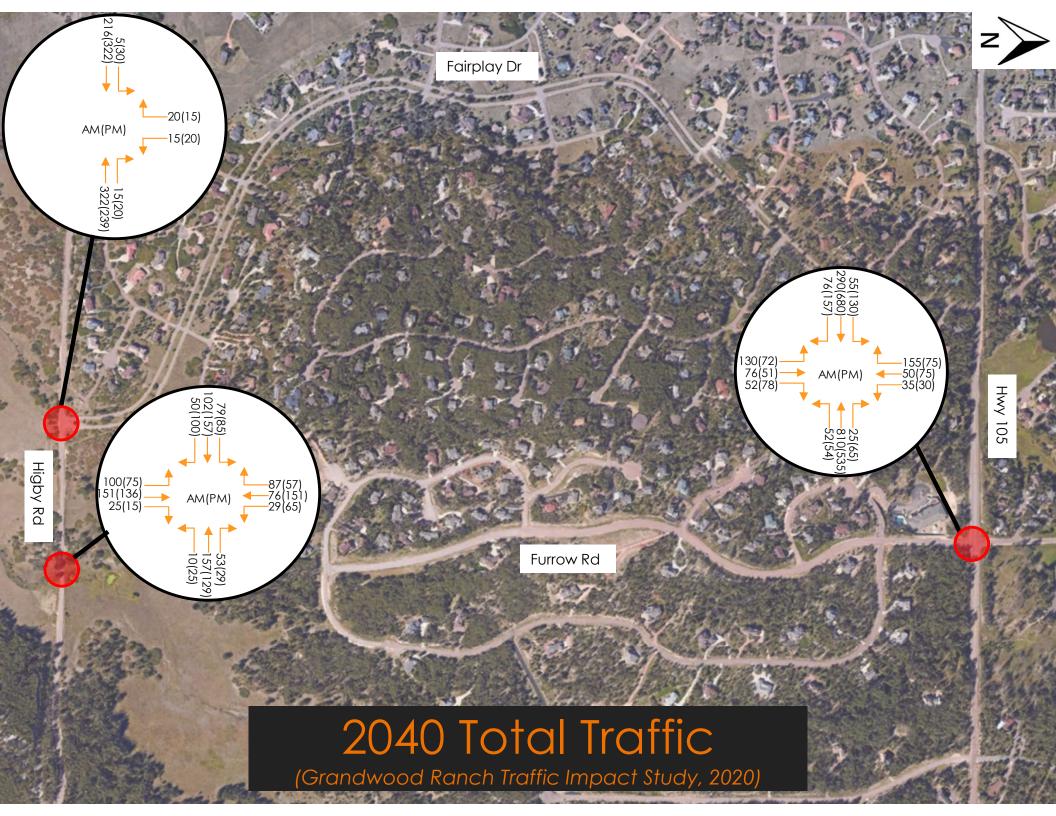
Traffic Volumes

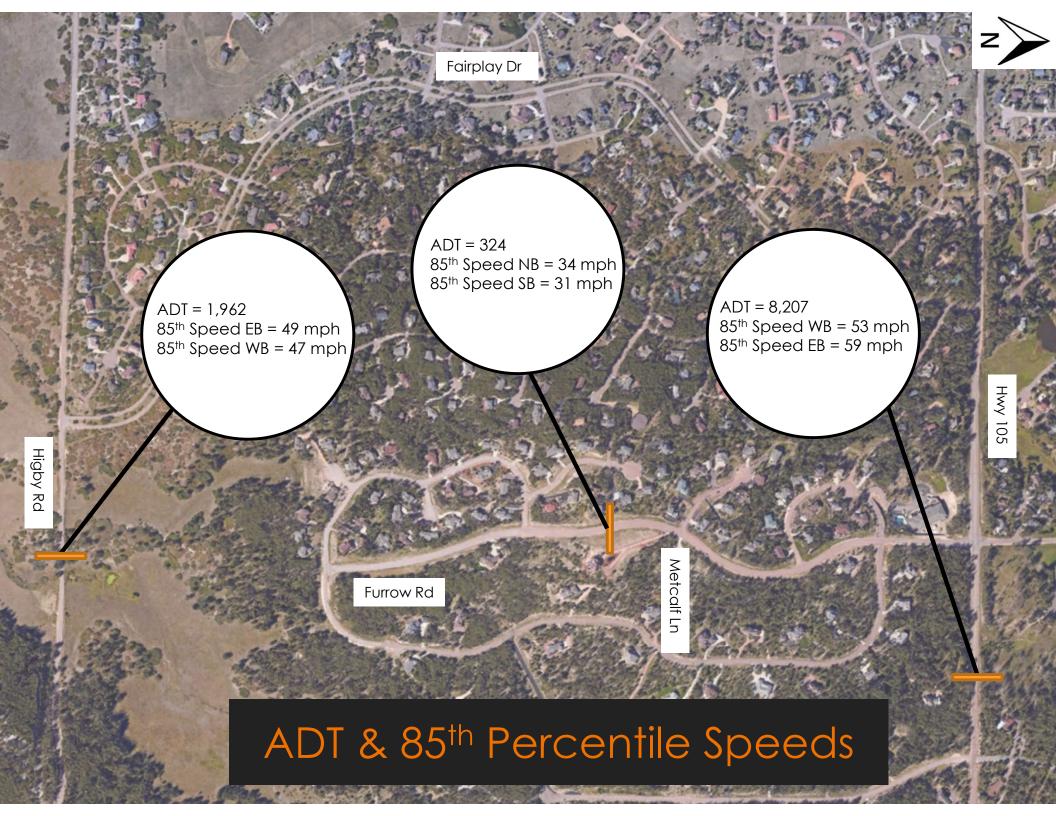
- 24-hour average daily traffic (ADT) and speed counts
- 12-hour turning movement counts (TMC)











Crash Analysis

- 5 year crash history
- Furrow Rd: from Hwy 105 to Minglewood Tr S
- Fairplay Dr: from Hwy 105 to Higby Rd
- Hwy 105: from Jackson Creek Pkwy to 1 mile East of Furrow Rd
- Higby Rd: from Jackson Creek Pkwy to 1 mile East of Furrow Rd
- 0 recorded fatalities

Highway 105 Reported Crashes

(CDOT)



	Crash Type										Total
Intersection	tersection Rear End		Broadside		Approach-Turn		Head-On		Fixed Object		Total Crashes
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Crasiles
2nd St									2	100%	2
3rd St	1	50%	1	50%							2
Jackson Creek Pkwy	13	81%	1	6%	1	6%	1	6%			16
Knollwood Blvd	4	80%	1	20%							5

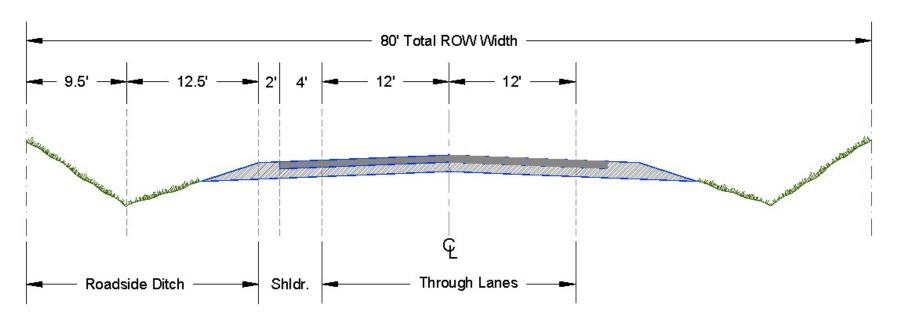
Higby Rd Reported Crashes 2015-2019 (CDOT)



	Crash Type										Total Control
Intersection	Rear End		Broadside		Head-On		Ped/Bicycle		Fixed Object		Total Crashes
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Crasiles
Jackson Creek Pkwy	7	50%	2	14%	2	14%	2	14%	1	7%	14
Fairplay Dr									1	100%	1

What is a Collector?

 Collector: "Roadways that serve as links between local access facilities and arterial facilities over medium-to-long distances, outside of or adjacent to subdivision developments. Collectors are managed to maximize the safe operation of through-movements and to distribute traffic to local access." – 2016 Major Transportation Corridors Plan Update, El Paso County



Alternatives Analysis

	Modifications for Evaluation
А	Bike - pedestrian lanes
В	Chicanes
С	Continuous center two-way left turn lanes
D	Correction of sight distance limitations
Е	Curb bump outs
F	Designation of a corridor-wide speed limit
G	Designation of pedestrian crossings
Н	Designation of separate bicycle lanes
1	Horizontal deflections
J	Mini, compact, and single-lane roundabouts
K	MUTCD standard signing
L	Narrow travel lanes
М	Urban cross-section with curb, gutter, and sidewalk
N	Pedestrian infrastructure, ramps, landing areas, and sidewalk
0	Raised median pedestrian refuge islands for pedestrian crossings
Р	Raised median islands
Q	Regulatory intersection traffic control signing, including two-way or all-way stop control
R	Separate bicycle and pedestrian multi-use paths







Roundabout







Mini Roundabout









Pedestrian Crossing







Pedestrian Crossing







Bike Lanes & Mixed-Use Paths







"Complete Street"

Questions?

Please email El Paso County DOT: Add "Furrow Road" in the subject line

DOTweb@elpasoco.com