Traffic Calming Concepts
LA CORRIDA ROAD

Introductions

City of Albuquerque

Department of Municipal Development

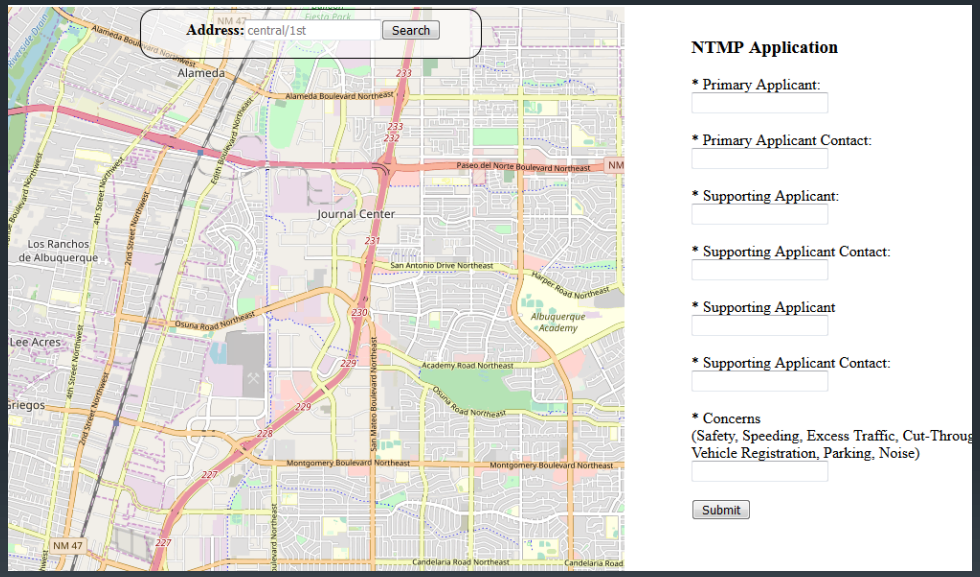
Traffic Engineering Division

- Tim Brown, P.E., PTOE – Division Manger
- Amanda Herrera, P.E. – Project Manager
- Manh Tran – Traffic Engineering Studies Manager
- Bridgette Aragon – Design Engineer

Existing Conditions

- Study Limits – Comanche Rd to San Pedro Dr.
- Residential Roadway Posted 25mph
- 0.3 mile section
- Provides access to residential roadways as well as Comanche and San Pedro

Neighborhood Traffic Management Program (NTMP)

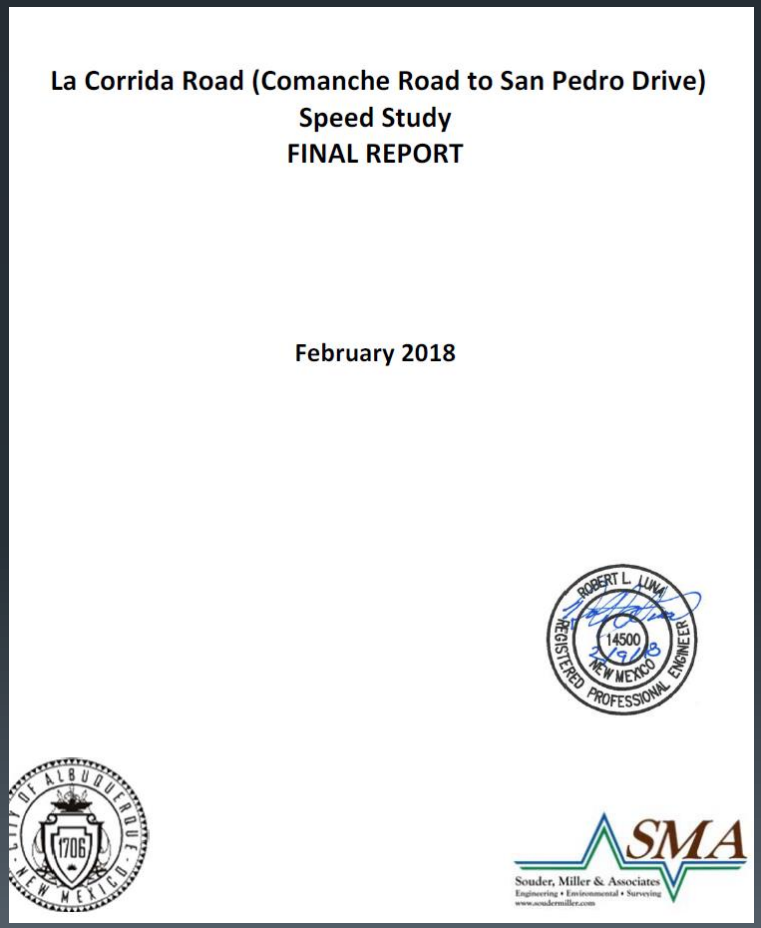


- COA started program in February 2015
- Program designed for public involvement
- NTMP helps improve neighborhood traffic safety
- Follows NTMP Policy Manual

NTMP Initial Criteria

- Must be a Collector or Residential Roadway
- Application must be signed by 3 supporting residents
- Petition must be signed by 2/3 of the affected households

La Corrida Speed Study


La Corrida Road (Comanche Road to San Pedro Drive)
Speed Study
FINAL REPORT

February 2018

ROBERT L. LUNA
14500
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE · NEW MEXICO · 1706

SMA
Souder, Miller & Associates
Engineering • Environmental • Surveying

What is evaluated:

- Reported crashes in the past 3 years that could be corrected with traffic calming
- Peak-hour traffic volume greater than 400 vehicles in one direction;
- 25 percent of peak-hour traffic is non-local cut-through traffic
- 85th percentile speed exceeds the posted speed limit by 5 mph or more

CITY OF ALBUQUERQUE · NEW MEXICO · 1706

85th Percentile Speed

What is the 85th Percentile Speed?

The speed at or below which 85 percent of all vehicles are observed to travel under free-flowing condition.

If the 85th percentile speed exceeds 5mph (over the posted speed) it meets the requirement for NTMP.

85th Percentile Speed Results

	Lane 1 (EB)	Lane 3 (WB)	Comb Total
West Count Location			
Average	23.4	23.9	23.7
50th Percentile	24.7	25.0	24.9
10mph Pace	61.00%	61.60%	61.30%
85th Percentile	31.1	31.3	31.3

Table IV.B.2
West Count Location Speed Study Results

West Count Location Exceeds 85th Percentile Speed Only

	Lane 1 (EB)	Lane 3 (WB)	Comb Total
East Count Location			
Average	22.6	22.6	22.6
50th Percentile	23.5	24	23.9
10mph Pace	63.60%	65.10%	64.50%
85th Percentile	29.7	29.3	29.7

Table IV.B.3
East Count Location Speed Study Results

85th Percentile Speed Results

West Count Location

Volume Data

	Lane 1 (EB)	Lane 3 (WB)	AADT
West Count Location	255	267	522
East Count Location	234	218	452
AADT	**245**	**243**	**487**

Table IV.B.1
AADT Count Data Results

Cut-Thru Data

Time Period	# Cars Entering Neighborhood	# Cut-thru Vehicles	% Cut-thru
8-8:30	11	2	18.2%
8:30-9	10	3	30.0%
9-9:30	2	0	0.0%
9:30-10	10	3	30.0%
10-10:30	8	3	37.5%
10:30-11	14	3	21.4%
11-11:30	13	2	15.4%
11:30-12	6	1	16.7%
1-1:30	20	7	35.0%
1:30-2	17	4	23.5%
2-2:30	17	5	29.4%
2:30-3	11	3	27.3%
3-3:30	14	4	28.6%
3:30-4	18	4	22.2%
4-4:30	20	5	25.0%
4:30-5	21	7	33.3%
Total	**212**	**56**	**26.4**

Table VII.C.1
Origin / Destination Study Results

La Corrida NTMP Results

Item	Description
#1	Reported crashes in the past three (3) years that could be corrected with traffic calming
#2	Peak-hour traffic volume greater than 400 vehicles in one direction
#3	25% of peak hour traffic is non-local cut-through traffic
#4	85th percentile speed exceeds the posted speed limit by 5 mph or more

Table VIII.1
COA NTMP Traffic Calming Measures

Previous Traffic Calming Solutions

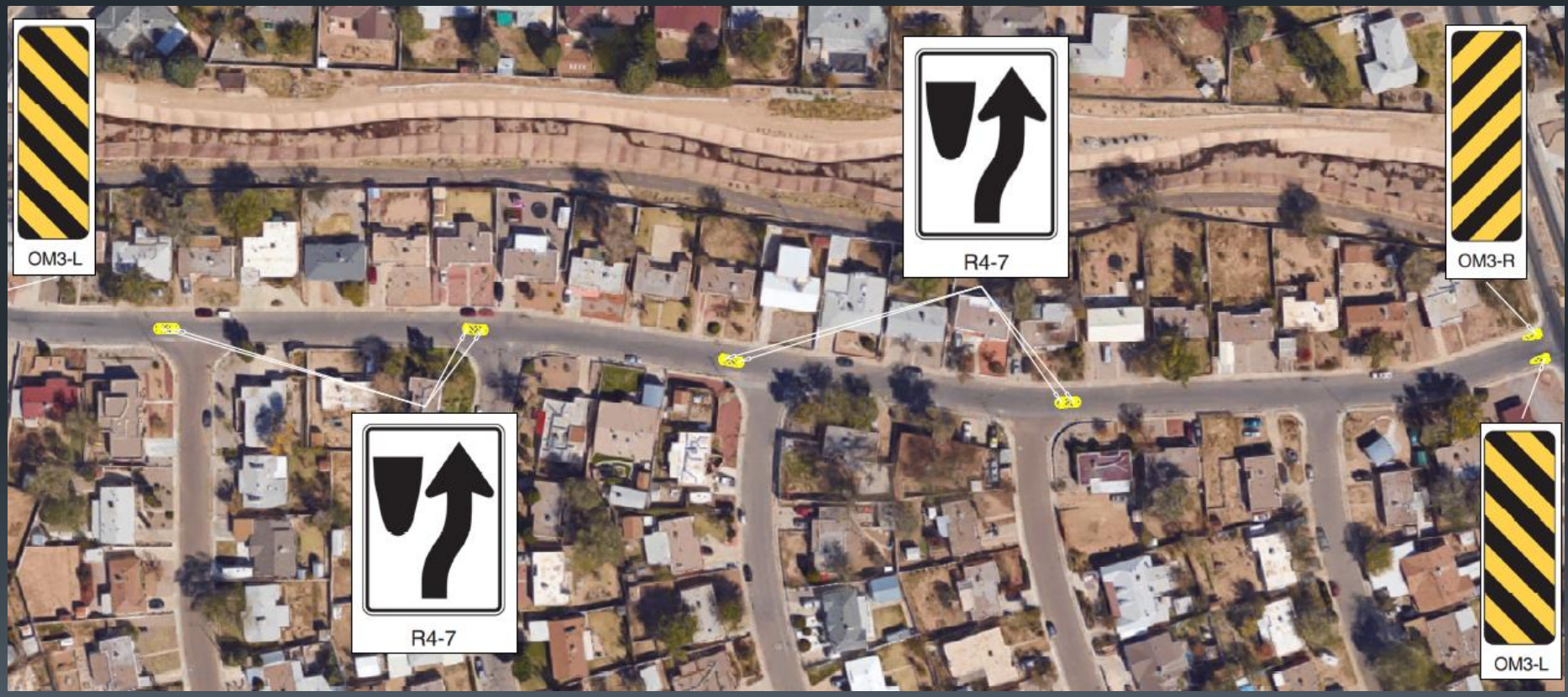
Striping Lanes

Previous Traffic Calming Solutions

Striped Medians

Previous Traffic Calming Solutions

Raised Medians



New Traffic Calming Solutions
Tubular Markings

PROS

- Visual traffic calming effect
- Reduces travel speeds by having to yield opposing vehicles

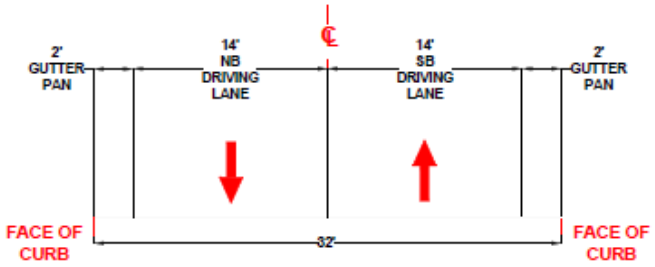
CONS

- May require bicyclists to merge with vehicular traffic for a short distance
- Confusing due to being new for travelers
- Reduce on-street parking

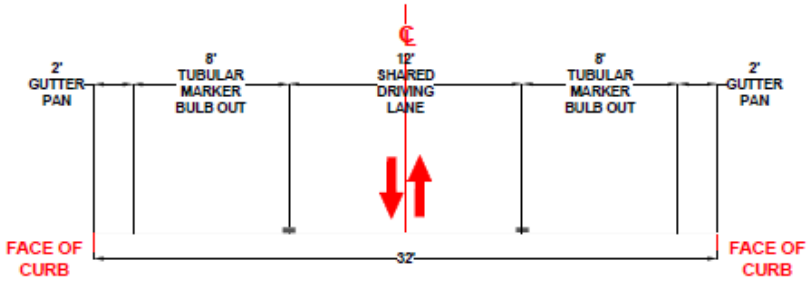
Tubular Markings
Potential Locations 1

Tubular Markings
Potential Locations 2

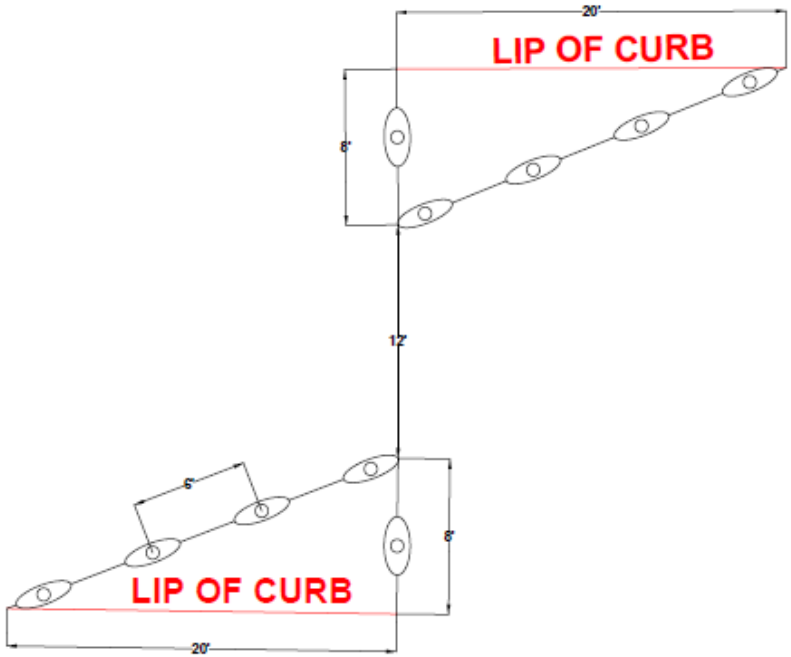
Tubular Markings Details



LA CORRIDA RD NE - EXISTING SECTION AA
COMANCHE RD NE TO SAN PEDRO DR NE
SCALE: 1/8" = 1'-0"



LA CORRIDA RD NE - PROPOSED SECTION
LOCATIONS OF TUBULAR MARKER BULB-OUTS
SCALE: 1/8" = 1'-0"



TUBULAR MARKER SPACING

5 TUBULAR MARKERS PER SIDE
6'-0" SPACING ON CENTER
SCALE: 1/8" = 1'-0"

Cost Estimate

PM Pavement Markings				
PM13228-006 Mobilization Required to Complete Work (One-Way, One-Time)	16.00	MI	$5.0000	$80.00
PM13228-399 Tax 7.875%	1.00	LS	$55.1200	$55.12
PM703205 Tubular Flexible Traffic Marker with Base and Hardware	10.00	EA	$62.0000	$620.00
Total PM Pavement Markings				**$755.12**
			Proposal Total:	**$755.12**

Questions / Comments

- Written comments will be accepted on handout
- Email to AmandaHerrera@cabq.gov
- Deadline for Comments April 10, 2019