



# McDuffie-Twin Parks Traffic Calming Study

Public Meeting

**WILSON**  
& COMPANY

discipline | intensity | collaboration | shared ownership | solutions

## Introductions

### City of Albuquerque

- Councilor Tammy Fiebelkorn
- Aziza Chavez– Council Services
- Tom Menicucci– Council Services
- Justin Carmona – Council Services
- Tim Brown, PE – Traffic Engineering Manager
- Roberto Gallegos – Traffic Engineering
- Manh Tran – Traffic Engineering

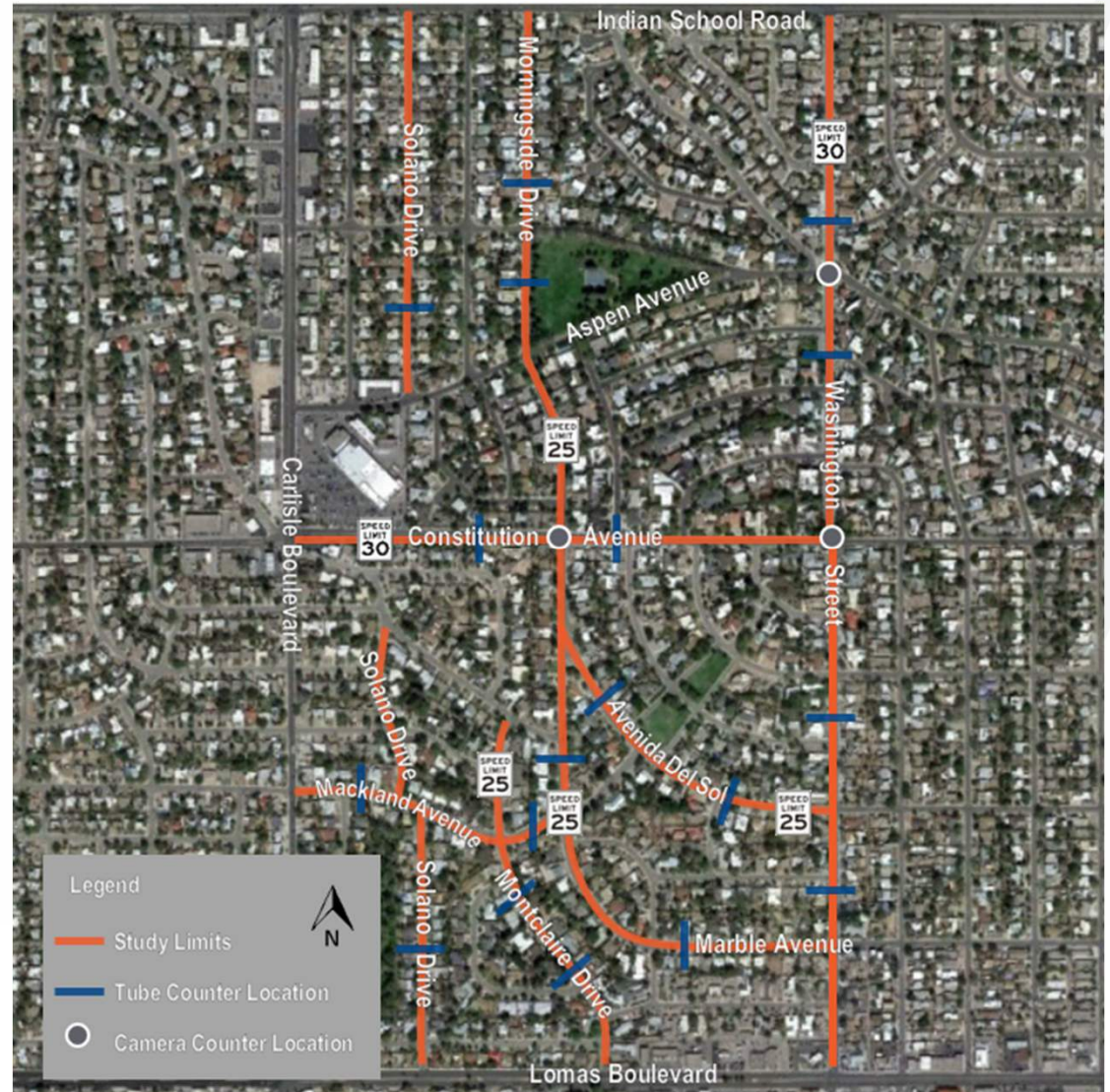
### Wilson & Company

- Audra Gallegos, PE
- Lorenzo Cornejo, EI



## Study Limits

- Study Limits: McDuffie-Twin Parks Neighborhood
  - Washington Street
  - Constitution Avenue
  - Morningside Drive
  - Marble Avenue
  - Montclair Drive
  - Mackland Avenue
  - Avenida del Sol
  - Solano Drive
- Posted Speed Limit: 25-30 mph



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## Purpose of Tonight's Meeting

- Reintroduce project
- Present alternatives
- Public input – we want to hear from you!



## Schedule

- Existing Conditions Report – December 2022
- Public Meeting #1 – February 2023
- Identification of Improvements and Recommendations – Summer 2023
- Public Meeting #2 – Tonight’s meeting
- Final Report – Fall 2023





# Existing Conditions

## Tube Count Data

- Tube counts (volume, speed)
- 48-hour period
- 15% of vehicles exceeding 5 mph and 7 mph

Location	Speed	Percentage of Vehicles Exceeding Speed Limit			
		Wednesday		Thursday	
		Counter per Direction 1	Counter per Direction 2	Counter per Direction 1	Counter per Direction 2
Morningside Drive (North of Aspen Ave.)	5 mph	0%	0%	0%	0%
	7 mph	0%	0%	0%	0%
Morningside Drive (South of Aspen Ave.)	5 mph	15%	8%	15%	10%
	7 mph	8%	2%	10%	3%
Washington Street (North of Sunningdale Ave.)	5 mph	14%	41%	16%	45%
	7 mph	7%	24%	7%	27%
Washington Street (South of Sunningdale Ave.)	5 mph	8%	35%	10%	39%
	7 mph	3%	20%	5%	23%
Washington Street (South of Avenida Estrellita)	5 mph	18%	25%	24%	31%
	7 mph	9%	12%	12%	15%
Washington Street (South of Avenida Del Sol)	5 mph	6%	13%	6%	18%
	7 mph	2%	6%	3%	8%
Constitution Drive (West of Morningside Ave.)	5 mph	34%	39%	33%	39%
	7 mph	21%	22%	18%	23%
Constitution Drive (East of Morningside Ave.)	5 mph	73%	30%	73%	31%
	7 mph	61%	16%	60%	18%
Avenida Del Sol (West of Mackland Ave.)	5 mph	7%	25%	2%	20%
	7 mph	3%	19%	0%	11%
Avenida Del Sol (East of Mackland Ave.)	5 mph	2%	22%	4%	19%
	7 mph	1%	14%	2%	13%
Morningside Drive (North of Mackland Ave.)	5 mph	6%	7%	6%	9%
	7 mph	3%	2%	2%	6%
Marble Avenue (South of Mackland Ave.)	5 mph	7%	7%	6%	7%
	7 mph	4%	3%	4%	3%
Mackland Avenue (West of Montclair Dr.)	5 mph	5%	12%	6%	12%
	7 mph	3%	7%	2%	8%
Mackland Avenue (East of Montclair Dr.)	5 mph	0%	0%	0%	0%
	7 mph	0%	0%	0%	0%
Montclair Drive (South of McDuffie Cir.)	5 mph	13%	13%	6%	16%
	7 mph	5%	6%	2%	7%
Montclair Drive (North of Mesa Verde Ave.)	5 mph	14%	9%	12%	11%
	7 mph	8%	4%	7%	5%

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## Tube Count Data Solano Drive

Location	Speed	Percentage of Vehicles Exceeding Speed Limit			
		Wednesday		Thursday	
		Counter per Direction 1	Counter per Direction 2	Counter per Direction 1	Counter per Direction 2
Solano Drive (North of Aspen Ave.)	5 mph	21%	18%	17%	11%
	7 mph	14%	12%	10%	5%
Solano Drive (North of Lomas Blvd.)	5 mph	2%	5%	5%	5%
	7 mph	2%	2%	1%	2%

- Tube counts (volume, speed)
- 48-hour period
- 15% of vehicles exceeding 5 mph and 7 mph





## Pedestrian Count Data

- Camera (pedestrians, bicyclists)
- 13-hour period

Intersection	Time	Pedestrian 13-hr Volume				Bicyclist 13-hr Volume			
		South Leg	West Leg	North Leg	East Leg	NB	EB	SB	WB
Washington St. and Sunningdale Ave.	AM Peak	15	2	16	3	4	0	3	2
	PM Peak	1	2	9	1	8	3	3	0
	<b>13 Hour Total</b>	<b>53</b>	<b>19</b>	<b>87</b>	<b>13</b>	<b>58</b>	<b>11</b>	<b>48</b>	<b>6</b>
Washington St. and Constitution Ave.	AM Peak	2	2	1	3	0	2	2	4
	PM Peak	2	2	0	0	0	4	3	0
	<b>13 Hour Total</b>	<b>9</b>	<b>8</b>	<b>3</b>	<b>4</b>	<b>17</b>	<b>39</b>	<b>18</b>	<b>36</b>
Morningside Dr. and Constitution Ave.	AM Peak	4	5	1	10	0	2	2	6
	PM Peak	3	12	0	9	1	5	1	0
	<b>13 Hour Total</b>	<b>16</b>	<b>71</b>	<b>12</b>	<b>57</b>	<b>22</b>	<b>37</b>	<b>15</b>	<b>37</b>

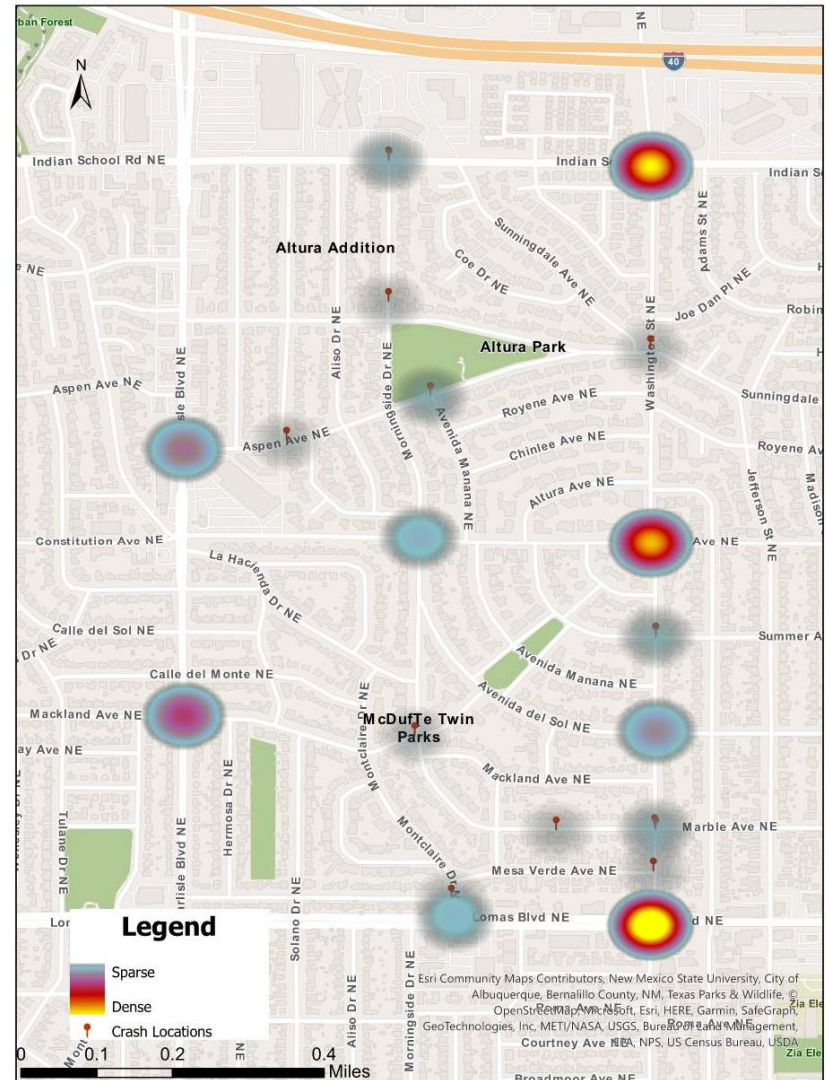


## Crash Data

- 2016-2020
- 158 total crashes
- 88% of crashes occurred in clear weather conditions
- 72% of crashes occurred in daylight conditions

Year	Crash Severity			Total
	Injury	Fatal	PDO*	
2016	9 (25%)	0 (0%)	27 (75%)	36 (100%)
2017	8 (27%)	0 (0%)	22 (73%)	30 (100%)
2018	11 (42%)	0 (0%)	15 (58%)	26 (100%)
2019	16 (39%)	0 (0%)	25 (61%)	41 (100%)
2020	8 (32%)	0 (0%)	17 (68%)	25 (100%)
<b>Total</b>	<b>52 (33%)</b>	<b>0 (0%)</b>	<b>106 (67%)</b>	<b>158 (100%)</b>

\*PDO-Property damage only



## Neighborhood Traffic Management Program (NTMP)

- City of Albuquerque Neighborhood Traffic Management Program Policy Manual
- Nine (9) thresholds, one (1) or more must meet
  1. Over a twenty-four-hour period, 15% of the vehicles traveling in the study area exceeded 7 miles per hour over the speed limit.
  2. Three reported crashes in a 5-year period where the police report identified speed as either a primary or contributing cause of the crash.
  3. A crash involving a pedestrian or cyclist in a school zone in a five-year period.
  4. Over a twenty-four-hour period more than 800 vehicles were counted traveling through the study area and 15% of the vehicles traveling in the study area exceeded 5 miles per hour over the speed limit.
  5. Over a twenty-four-hour period, 15% of the vehicles traveling in the study area exceeded 5 miles per hour over the speed limit and there was at least one reported crash in a 5-year period where the police report identified speed as either a primary or contributing cause of the crash.
  6. Over a twenty-four-hour period, 15% of the vehicles traveling in the study area exceeded 5 miles per hour over the speed limit and a field survey conducted by the Traffic Engineering Division determined that 25% of the peak hour traffic was cut-through traffic.
  7. Over a twenty-four-hour period more than 800 vehicles were counted traveling through the study area and there was at least one reported crash in a 5-year period where the police report identified speed as either a primary or contributing cause of the crash.
  8. Over a twenty-four-hour period more than 800 vehicles were counted traveling through the study area and a field survey conducted by the Traffic Engineering Division determined that 25% of the peak hour traffic was cut-through traffic.
  9. A field survey conducted by the Traffic Engineering Division determined that 25% of the peak hour traffic was cut-through traffic and there was at least one reported crash in 5 years where the police report identified speed as either a primary or contributing cause of the crash.



## Traffic Calming Criteria Evaluation Results

Roadway	Meets NTMP Criteria?
Morningside Drive	NO
Washington Street	YES
Constitution Avenue	YES
Mackland Avenue	NO
Avenida del Sol	YES
Montclair Drive	NO
Solano Drive	NO





# Public Meeting #1 Input

## Public Input

### Received 48 emails

#### Most For:

- Traffic circle
- Bulbouts – only if they don't affect bike lanes
- Pedestrian crossings
- Speed humps

#### Most Opposed:

- One-way on Avenida del Sol

#### Additional Requests:

- Include Solano Drive – added to study
- Multiway stops – need to meet FHWA requirements





# Proposed Alternatives

## Constitution & Washington

- Striping
- Bulbouts



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## Washington & Hannett-Sunningdale

- Midblock Crossing
- Bulbout
- Striping



## Constitution & Morningside

- Midblock Crossing
- Bulbout
- Center Island
- Striping



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## Mackland & Montclair

- Elongated traffic circle



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## Avenida del Sol

- Not an emergency route
- Speed humps

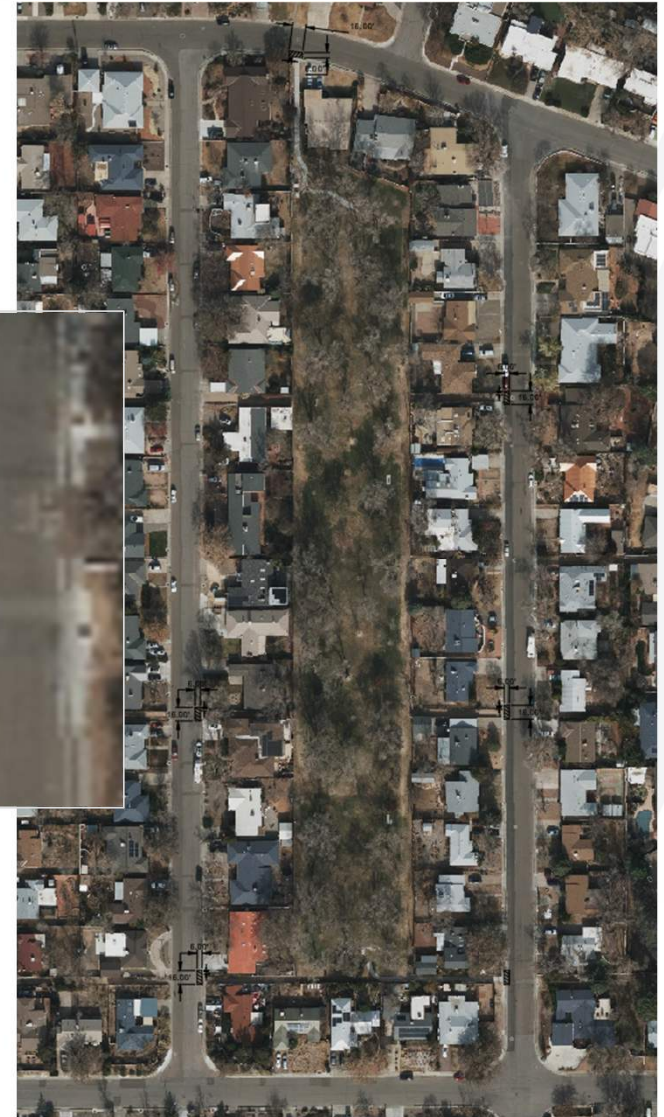


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## Park Entrances

- No parking striping at entrances





# Public Input

## Questions/Comments

- Provide comments tonight
- Email comments to [audra.gallegos@wilsonco.com](mailto:audra.gallegos@wilsonco.com)
- Deadline for comments September 21, 2023





Thank you!