

**City of Needles**  
**Engineering and Traffic Survey**

<b>STREET</b>	<b>Clary Drive</b>	<b>CERTIFICATION DATA</b>	
<b>FROM</b>	<b>San Clemente Street</b>	<b>TO</b>	<b>Lillyhill Drive</b>
			<b>SEGMENT # 22</b>

**Recommended Speed Limit 30**  
**Speed Limit Change -NO**

**SPEED FACTORS**

Date of Speed Survey	3/27/2024	Posted Speed Limit	Not Posted
Time of Speed Survey	9:00 A.M. 12:50 P.M.	Speed Justification	CA MUTCD OPTION # 1
50th Percentile Speed	30 MPH		
85th Percentile Speed	36 MPH		
Average Speed	30 MPH		
15th Percentile Speed	25 MPH		
Pace Speed	22-32 MPH		
Percentage of Vehicles in Pace	65%		
Number of Survey Samples	100		

**COLLISION HISTORY**

Number of Years Studied	3	Years	1/1/2021 - 12/31/2023
Total Collisions	1		
Segment Collision Rate	0.74		
Statewide Average Collision Rate	1.8		

**TRAFFIC FACTORS**

Average Daily Traffic	374	Date Counted	3/27/2024
Number of Lanes	1 lane each direction		
Type of Traffic Control	Stop Control @ Lillyhill Dr.		
Crosswalks?	Unmarked at intersections		
Pedestrian Traffic	yes		
Truck Traffic	no		
On-Street Parking	yes		
Sidewalks?	Varies; disconnected.		
Driveways?	yes		

**ROADWAY FACTORS**

Length of Segment	1,600' (.3 miles)		
Width	40' - 48'/Varies		
Vertical Curve?	Yes	Horizontal Curve?	Yes
Visibility	Fair	Lighting	Yes, intermittent ; Two(2) in total
Roadway Conditions	Fair to Poor asphalt condition		
Adjacent Land Use	Electrical Sub Station; Multi-Family ; vacant; SFD (rear yards)		

**CONDITIONS NOT READILY APPARENT**

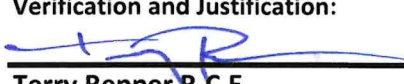
**Comments:** Sporadic lighting, disconnected curb/gutter or sidewalks with pedestrian traffic on suggested route to school with bus pick-up/drop-off along roadway.

Road curvature creates sight distance constraints of oncoming road users.

**Roadway Geometrics:** Horizontal Route Curve; Vertical Curve with Concrete Cross Gutter across roadway.

**Conditions:** Safety of Pedestrians and Bicyclists , vulnerable pedestrian group; children (CVC 627)

**Verification and Justification:**



4/22/24

PE 69984

Terry Renner R.C.E.

Date

State Registration Number