## Access Management



## What is Access Ma na gement?

## A- <br> Minor Arterial <br>  <br> Increasing Access

Figure 1: Conceptual Roadway Functional Hierarchy

Crash rate indices increase as \# of access points per mile increases


## CONFLCTS


(and don't forget pedestrian and bicycle movements too!)

## What is Access Ma nagement?

## Access Management is a proactive management of vehicularaccess points To land parcels adjacent to all manner of roadways.

- Access Spacing: Inc reasing distance between traffic signa ls improves

Traffic flow on roads, reduc es congestion, improves a ir quality a nd SAFETY.

- Driveway Spacing: Fewer driveways spaced further a part is good (less decisions)
- Safe Tuming La nes: Dedic ated left \& right-tum, indirect left-tums, U-Tums a nd rounda bouts keep traffic flowing.
- Median Trea tments: Two-Way Left-Tum Lanes (TWLTL) a nd non-tra versable, raised medians a re exa mples of effective means to regulate access and reduce crashes.
- Right-of-Way Ma na gement: R/W as it pertains to future widenings, good sight distance, ac cess loc ations.

Relationships:
FHWA > NDOT (theory, guidance, implementation)
NDOT > NHP (practical, what works, what is enforceable)
NDOT > Local Partners (what's practical \& what works)



Speeds (Limits) are a majorfactor (design to slow folks down orenforcement)

## Approved "C ountemeasures"



## Vast Majority of Our "C ountermeasures" Involve U-Tums:



Intersection Level

| -Atso Kown As..." <br> Median U-Turn is sometimes called: <br> Michigan Left or Michigan Loon Indirect Left <br> Expreard Tumaround <br> Express Left <br> U-Turn Crossover <br> Restricted Crossing U-Turn is sometimes called: <br> sometimes called: <br> J-Turn <br> Reduced Conflict Intersection <br> Superstreet Intersection Synchronized Street Intersection |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |



## Vast Ma jority of Our "C ountermea sures" Involve U-Tums:

Intersection Level
Cross-Over Based:


Diverging Intersection Crossover Intersection


We need to work together on what works for us!

## Disc ussions:

## U-Tum Based Solutions

Cross-over Based Solutions


## Pyramid Highway (SR 445)

## Dolores Dive to la Posada Dive




Interim access control measures will be required as the Pyramid Highway transitions from highway to freeway. Interim access control shall adhere to the RTC's 2030 RTP Daily LOS Thresholds for Roadway Planning. Specific measures to be implemented include signal spacing at not less than $1 / 2$-mile intervals, the construction of a raised median, and restrictions on turning movements and points of access. In the 2030 RTP, the Pyramid Highway, between McCarran Boulevard and Calle De La Plata Drive, is classified under "Facility Type" as "Arterial (high access control)". The access management information is reproduced in Table 2-4, the full document may be obtained from the RTC.

Additionally, the staffs of the Cities of Reno and Sparks, Washoe County, NDOT, and RTC should meet to review the vision for the Pyramid Highway and to coordinate and protect
the corridor from excessive access permits onto Pyramid Highway. They will also be tasked with developing a transition plan for converting the Pyramid Highway into a freeway with full control of access.

TABLE 24
Daily LOS Thresholds for Roadway Planning - Access Management

| Facility Type |  | Recommended Access Management |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

$\therefore \quad$ spacing from signalized intersection/spacing from other driveways
c.: if they experience more than 60 inbound right-turn movements during peak hour

Table 4-1: Access Spacing Standards


Final Environmental Impact Statement and Section 4(f) Evaluation

FHWA-NV-EIS-12-02-F


RIC PYRAMIN



Figure 2-10. Elements Common to All Arterial Alternatives

## TYPICAL CROSS-SECTIONS WITH BICYCLE AND PEDESTRIAN FACILITIES



DISC DRIVE ARTERIAL
PYRAMID HIGHWAY TO VISTA BOULEVARD




SR 445 Pyramid Highway 2018 AADT 35,000 (current speed limit 55 mph) Estimated 2040 AADT~45,000 vpd

