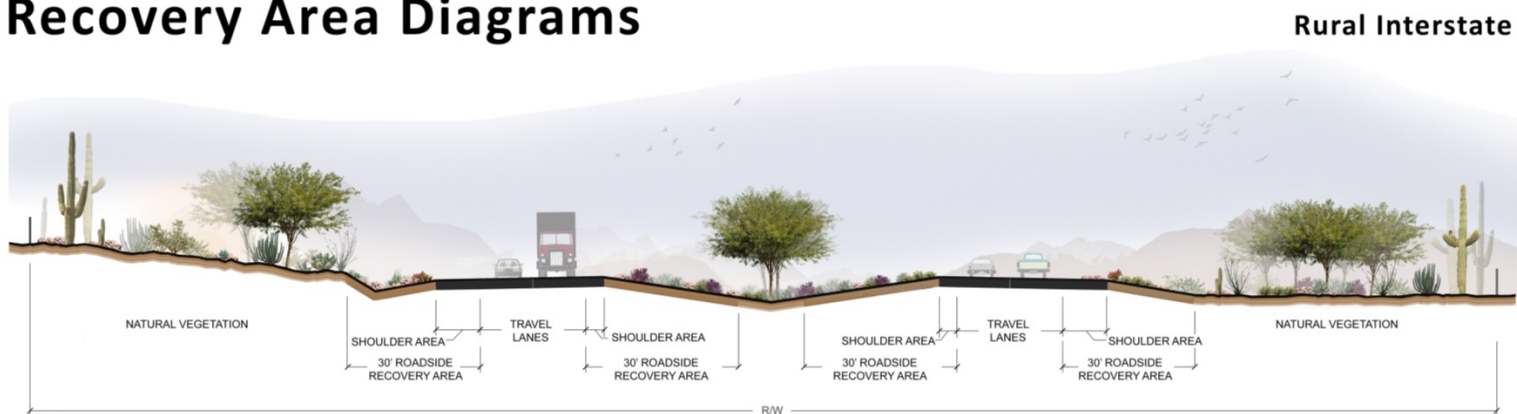


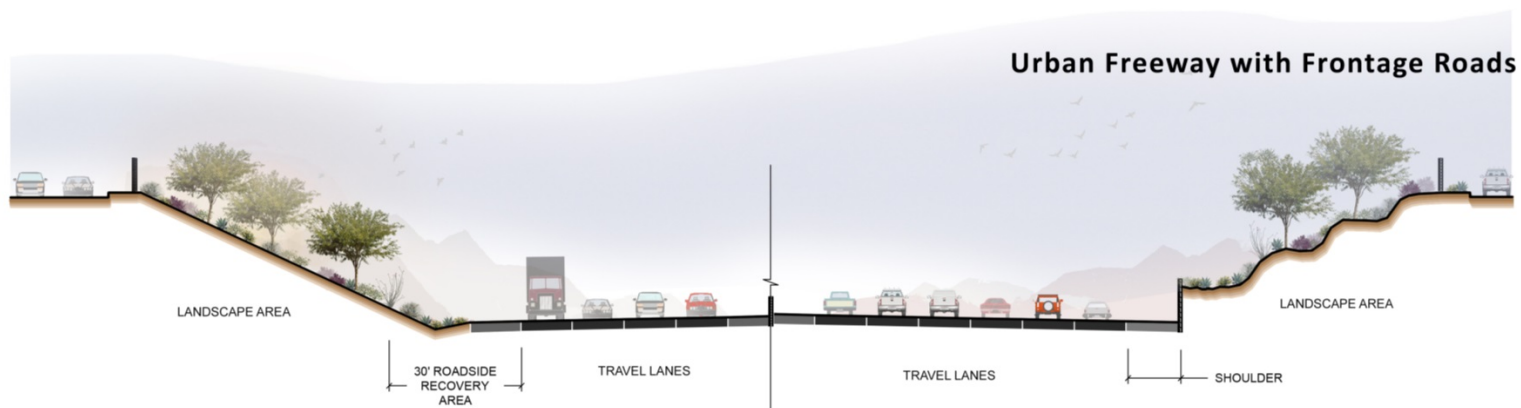
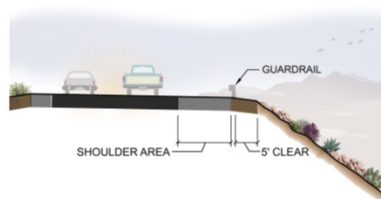
Appendix A: Recovery Area

The recovery area is an area outward from the outer travel lane that is free of obstructions and non-traversable slopes. The width is determined based on speed, traffic volume and embankment slope as shown below. Contact Roadside Resources to receive a poster if your office does not have one available.

Recovery Area Diagrams

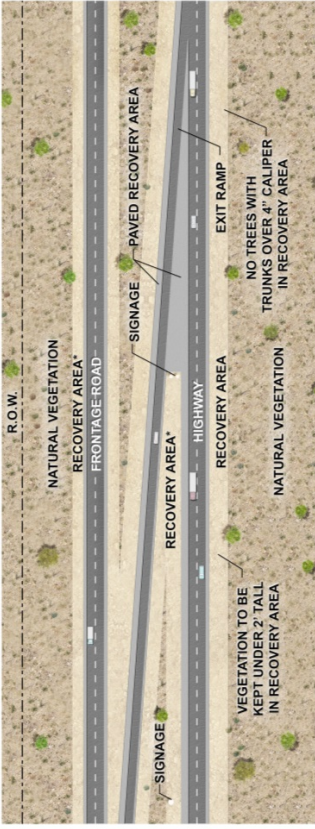


Guardrail Treatment

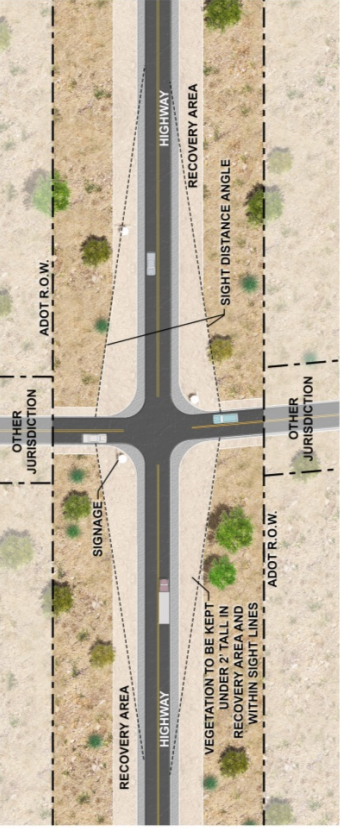


Sight Line Diagrams

Frontage Road



Intersection



Recovery Area Information

Width Criteria

DESIGN SPEED	DESIGN ADT*	FILL SLOPES
40 MPH OR LESS	Under 750	6:1 OR FLATTER INCL
	750-1500	10
	1500-6000	12
	Over 6000	14
45-50 MPH	Under 750	16
	750-1500	12
	1500-6000	14
	Over 6000	18
55 MPH	Under 750	20
	750-1500	14
	1500-6000	18
	Over 6000	22
60 MPH	Under 750	24
	750-1500	18
	1500-6000	22
	Over 6000	24
>85 MPH	Under 750	26
	750-1500	20
	1500-6000	26
	Over 6000	30

CUT SLOPES: Where fixed object obstructions are placed on cut back slopes, the recovery area width requirement should meet the table shown utilizing the foreslope of the cut as the appropriate fill slope rate.

*ADT: Average Daily Traffic

NOTE: For additional information see the ADOT Roadway Design Guidelines

Notes

- Maintain Roadside Recovery Area (RRA) using Integrated Vegetation Management (IVM) techniques for errant vehicle recovery and weed control.
- Keep RRA free of all vegetation that will reach a cumulative trunk diameter of 4" before the next scheduled maintenance.
- Prune or remove vegetation as needed to provide visibility of signs and guardrail and maintain ample sight distance on curves and at intersections.
- Includes brush, tree and tree seedling removal with the potential to impair visibility.
- Vegetation maintenance activities should reinforce the existing/designed topography and should not impact erosion control features.
- Where noxious weeds or oversize vegetation is removed, encourage growth of native or well-adapted perennial grasses, forbs, succulents, cacti and shrubs to promote a healthy ecosystem, suppress unwanted vegetation and provide a fireguard.
- Where mowing is necessary, restrict to one mower-width along shoulders with a minimum mowing height of 4 to 6 inches except as needed to maintain visibility or sight distances.
- Please Refer to ADOT Roadway Design Guidelines figure 306.2 for more information about recovery areas and roadway design.