

Appendix B

Circulation Improvements

Future Street Improvement Projects

The following roadway improvements may be necessary to mitigate circulation impacts from anticipated growth in the General Plan to acceptable/tolerable levels of service:

1. *I-5 Interchange Improvements* – Modifications to the E Street interchange and SR 20 to increase the capacity.
2. *Husted Road (between SR 20 and E Street)* – Expand the roadway segment to a four lane major arterial.
3. *Husted Road from Freshwater Road to I-5 Southbound Ramps* – **Expand the roadway segment to a four lane major arterial.**

E Street (between I-5 SB Ramps and Husted Road) – Expand the roadway segment to a four lane major arterial. **Intersection Improvements (Refer to Figure 8.3):**

The following intersection improvements will be necessary to mitigate circulation impacts from anticipated growth in the General Plan to acceptable/tolerable levels of service: Where new traffic signals are proposed, alternative roundabout improvements that would provide acceptable operations should be considered.

4. *SR 20 / Old Highway 99W*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Eastbound Approach: Two through lanes and one left turn lane
- Westbound Approach: One through lane and one shared through-right lane

5. *SR 20 / I-5 SB Ramps*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Construct a multilane roundabout or
- Traffic Signal

6. *SR 20 / I-5 NB Ramps*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Construct a multilane roundabout or
- Traffic Signal

7. *SR 20 / Husted Road*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left, one through, and one right turn lane
- Southbound Approach: One left, one through, and one right turn lane
- Eastbound Approach: One left, one through, and one right turn lane
- Westbound Approach: One left, one through, and one right turn lane

8. *E Street / 7th Street*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left turn lane and one shared through-right lane
- Southbound Approach: One left turn lane and one shared through-right lane

9. *E Street / 5th Street*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection



10. *E Street / I-5 SB Ramps*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Eastbound Approach: One through lane and one shared through-right lane
- Westbound Approach: Two through lanes and one left turn lane

11. *E Street / I-5 NB Ramps*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Eastbound Approach: Two through lanes and one left turn lane
- Westbound Approach: One through lane and one shared through-right lane

12. *E Street / Vann Street*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Southbound Approach: One right turn lane and one shared through-left lane
- Eastbound Approach: One left turn lane, two through lanes, and one right turn lane
- Westbound Approach: One left turn lane, one through lane, and one shared through-right lane

13. *E Street Husted Road*

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left turn lane, two through lanes, and one right turn lane
- Southbound Approach: One left turn lane, one through lane, and one shared through-right lane
- Eastbound Approach: One left turn lane and one shared through-right lane

14. Husted Road / Husted Road Lateral

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left, one through, and one shared through-right lane
- Southbound Approach: One left, one through, and one shared through-right lane
- Eastbound Approach: One left turn lane and one shared through-right lane
- Westbound Approach: One left turn lane and one shared through-right lane

15. Husted Road / Abel Road

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: Two through lanes and one left turn lane
- Southbound Approach: One through lane and one shared through-right lane

16. Husted Road / Crawford Road

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left, one through, and one shared through-right lane
- Southbound Approach: One left, one through, and one shared through-right lane
- Eastbound Approach: One left turn lane and one shared through-right lane
- Westbound Approach: One left turn lane and one shared through-right lane

17. Husted Road / Old Highway 99W

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left, one through, and one shared through-right lane



- Southbound Approach: One left, one through, and one shared through-right lane
- Eastbound Approach: One left turn lane and one shared through-right lane
- Westbound Approach: One left turn lane and one shared through-right lane

18. Husted road / I-5 SB Ramps

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection

19. E Street / Margurite Drive

This intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left and one shared through-right lane
- Southbound Approach: One left and one shared through-right lane
- Eastbound Approach: One left turn lane, one through lane, and one shared through-right lane
- Westbound Approach: One left turn lane, one through lane, and one shared through-right lane

20. SR 20 / Margurite Drive

This new intersection is expected to operate at unacceptable LOS F during peak hour buildout conditions. The following improvements are recommended:

- Signalize the intersection
- Northbound Approach: One left and one right turn lane
- Eastbound Approach: One through lane and one right turn lane
- Westbound Approach: One through lane and one left turn lane

