

SALEM ALTERNATIVE: IMPACTS COMPARISON

Key elements of the impact comparison

Element	No Build	Alternative 4D	Salem Alternative
Traffic: volume/capacity ratios at key intersections (AM/PM) - based on expected 2031 traffic demand			
Wallace Rd. & Edgewater Rd.	1.39 AM / 1.05 PM	0.78 AM / 0.51 PM	0.88 AM / 0.66 PM
Wallace Rd. & Glen Creek Rd.	1.12 AM / 1.18 PM	0.96 AM / 0.87 PM	1.08 AM / 0.94 PM
Wallace Rd. & Orchard Heights Rd.	0.79 AM / 1.08 PM	0.83 AM / 0.85 PM	1.01 AM / 0.76 PM
Wallace Rd. & Hope Ave.	0.27 AM / 0.09 PM	0.74 AM / 0.79 PM	0.84 AM / 0.96 PM
Hope Ave. & Marine Dr.	NA	0.86 AM / 0.44 PM	1.18 AM / 1.05 PM
Center St. & Commercial St.	1.69 AM / 0.82 PM	0.96 AM / 0.78 PM	0.88 AM / 0.86 PM
Marion St. & Commercial St.	0.81 AM / 2.01 PM	0.64 AM / 1.06 PM	0.71 AM / 1.31 PM
Commercial St. & Pine St.	0.51 AM / 0.63 PM	0.87 AM / 0.53 PM	1.02 AM / 0.72 PM
Commercial St. & Hickory St.	0.18 AM / 0.82 PM	0.59 AM / 0.83 PM	0.76 AM / 1.18 PM
Liberty St. & Pine St.	0.63 AM / 0.81 PM	1.58 AM / 1.88 PM	1.06 AM / 1.27 PM
Liberty St. & Hickory St.	0.04 AM / 0.17 PM	0.26 AM / 0.59 PM	0.90 AM / 1.08 PM
Liberty St. & Salem Pkwy.	0.33 AM / 0.93 PM	0.35 AM / 0.39 PM	0.83 AM / 0.81 PM

Traffic operations in West Salem

- ◆ Traffic flow conditions along the southern part of Wallace Rd. during the AM and PM peak periods would worsen from today.
- ◆ No driveway turning movement restrictions on Wallace Rd. or Glen Creek Rd.
- ◆ Traffic flow conditions along the southern part of Wallace Rd. during the peak periods would improve over the No Build Alternative conditions
- ◆ Driveway turning movement restrictions on Wallace Rd. and on Glen Creek Rd. between Wallace Rd. and the proposed Marine Dr.
- ◆ In both the AM and PM peak traffic conditions would be slightly worse than Alternative 4D (along the southern part of Wallace Rd, south of Orchard Heights Rd).
- ◆ Less traffic drawn from the existing bridges to a new northern bridge, as compared to Alternative 4D.
- ◆ With the westbound Hwy 22 exit at Rosemont Ave. closed, traffic will be dispersed to other routes, primarily to Edgewater St. via the Wallace Rd off-ramp.

Traffic operations in Central Business District	<ul style="list-style-type: none"> ◆ Traffic flow conditions in the Central Business District area would worsen from today, with significantly high congestion at the intersection of Marion St. and Commercial St. 	<ul style="list-style-type: none"> ◆ Traffic flow conditions in the AM and PM peak hours would improve compared to the No Build Alternative as some regional, through trips, and freight traffic would use the ramps and new northern bridge rather than go through the Central Business District. 	<ul style="list-style-type: none"> ◆ In both the AM and PM peak periods, the Salem Alternative would result in overall less congested traffic conditions compared to the No Build Alternative. ◆ In both the AM and PM peak periods, the Salem Alternative would result in similar or slightly worse traffic conditions than Alternative 4D at Downtown Salem intersections.
Traffic operations in the Pine St./Commercial St./Liberty St. area	<ul style="list-style-type: none"> ◆ The AM peak period would be relatively uncongested, with some congestion during the PM peak. 	<ul style="list-style-type: none"> ◆ With a new Alternative 4D bridge, the Liberty/Pine intersection would be heavily congested in the AM and PM peak periods. 	<ul style="list-style-type: none"> ◆ The Liberty/Pine intersection would be heavily congested in the AM and PM peak periods, but less congested compared to Alternative 4D. ◆ The Liberty/Hickory and Commercial/Hickory intersections would be signalized in the Salem Alternative, with more turning vehicles compared to No Build and Alternative 4D.
Displacements	N/A	85-95 residential units 65-75 businesses	~35-45 residential units ~15-25 businesses
Properties (tax lots) impacted	N/A	254	~120
Acres of right-of-way acquired	N/A	75 acres, including: 18.9 acres residential 11.0 acres commercial 1.1 acres industrial 9.1 acres parks and open spaces 21.7 acres farm/agriculture	~45 acres, including: ~15 acres residential ~2 acres commercial ~1 acre industrial ~4 acres parks and open spaces ~18 acres farm/agriculture
Historic resources	N/A	Adverse effects to 4 NRHP-eligible properties	No Adverse Effects
Noise	N/A	54 impacted receptors	~25 impacted receptors

The results for the Salem Alternative are for comparison purposes only and may be modified in the future based on further refinement.