

REQUEST FOR COUNCIL ACTION

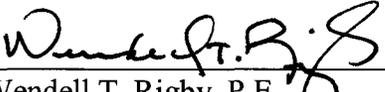
SUBJECT: Review the 7000 South 1300 West to Bangerter Highway Feasibility Study Project No. F-R299(142) Report

SUMMARY: Hales Engineering has recently completed a study of traffic conditions along 7000 South from 1300 West to Bangerter Highway. This study examines existing traffic conditions along the corridor and offers several potential alternatives for improving the traffic flow and safety today and in the future. Staff will use this information for budgeting purposes. No decisions about the future of the corridor should be made until an environmental impact statement of the project corridor is complete and the impacts of any decision can be properly weighed.

FISCAL IMPACT: None

STAFF RECOMMENDATION:
No action required, informational only.

MOTION RECOMMENDED:
No action required, informational only.

Prepared by:

Wendell T. Rigby, P.E.
Director of Public Works

Recommended by:

Mark R. Palesh
City Manager

BACKGROUND DISCUSSION:

See attached 7000 South Feasibility Report



7000 South Feasibility Study

City of West Jordan

7000 South Feasibility Study



Current Deficiencies on 7000 South

- Excessive congestion at 7000 South and Redwood Road. (Eastbound a.m., Westbound p.m.)
- Congestion from Redwood Road extends to 1300 West.
- Unbalanced lane configuration contributes to congestion for eastbound traffic in the a.m. peak.
- Existing Safety Problem – Narrow shoulders make garbage pickup, bicycle travel, and on street parking difficult.
- Existing Safety Problem – Poor lane alignment at 1300 West intersection can result in increased sideswipe accidents.
- Existing Safety Problem – Sidewalks along 7000 South are in poor repair or missing. School Children and pedestrians cross 5 lanes of traffic at 7000 South and 1500 West.
- The merge area and taper east of Bangerter Highway is not long enough to accommodate all of the vehicles in a green phase.

7000 South Feasibility Study

Alternative Comparison

Alternative	Features			Level of Service					Peak Hour Travel Reduction (sec)	Right of Way Cost	Total Cost
	Bicycle	Garbage	Parking	Redwood	2200 West	2700 West	3200 West	Bangerter			
No Action	Y	Y	Y	F	D	D	E	F	0	0	0
5 lanes – Existing ROW	N	N	N	F	D	D	C	D	259	\$3,567,000	\$18,976,000
5 lanes – ROW North	Y	Y	Y	F	D	D	C	D	343	\$25,147,000	\$47,255,000
5 Lanes – ROW South	Y	Y	Y	F	D	D	C	D	354	\$30,950,000	\$52,946,000
7 Lanes	Y	Y	Y	E	C	C	C	D	1096	\$33,478,000	\$60,889,000
Hybrid	Y	Y	Y	E	C	D	D	D	969	\$30,081,000	\$55,354,000

Information from Hales Engineering - 2016

Questions

