

**REQUEST FOR COUNCIL ACTION**

**SUBJECT:** 9000 South Improvement Project – Temporary Closure of 9000 South Street from 4800 West to 5300 West

**SUMMARY:** Approve a temporary closure of 9000 South Street from 4800 West to 5300 West from May 1 to August 30, 2015 for road reconstruction.

**FISCAL IMPACT:** Closing 9000 South for reconstruction will save the City construction time and costs associated with the longer construction time.

**STAFF RECOMMENDATION:**

Staff recommends a temporary closure of 9000 South Street from 4800 West to 5300 West from May 1 to August 30, 2015 to accelerate 9000 South Street reconstruction.

**MOTION RECOMMENDED:**

**Option 1**

"I move to adopt Resolution No. H-207 authorizing a temporary closure of 9000 South Street from 4800 West to 5300 West from May 1 to August 30, 2015 to accelerate 9000 South Street widening and reconstruction.

OR

**Option 2**

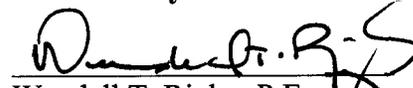
"I move not to allow the closure of 9000 South, acknowledging that the construction will proceed until spring of 2016 due to winter paving restrictions."

Roll Call vote required.

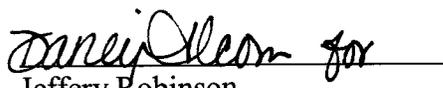
**Prepared by:**

  
David Murphy, P.E.  
Capital Projects Manager

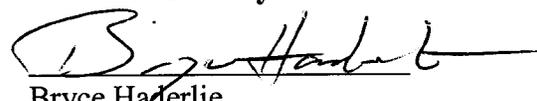
**Reviewed by:**

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

**Reviewed as to Legal Sufficiency:**

  
Jeffery Robinson  
City Attorney

**Recommended by:**

  
Bryce Haderlie  
Interim City Manager

## **BACKGROUND DISCUSSION:**

9000 South has approximately 13,000 vehicles per day traveling from 4800 West to Grizzly Way and 10,000 vehicles per day travelling from Grizzly Way to 5600 West. Weather, traffic and age have deteriorated the road surface so much it must be replaced. The 9000 South Improvement project will remove the existing traffic striping, asphalt pavement, untreated base course, granular borrow and several pedestrian ramps in 9000 South from 4800 West to 5300 West. When the removal is complete the Contractor will upgrade the storm drain system, and replace the old roadway with a deeper road cross section, better able to support truck traffic. To accomplish this work the Contractor can either close the road to vehicle traffic or close half the road and leave one lane open in each direction.

As shown on the attached exhibit, design work on the project is almost complete. It is anticipated that this project will be approved by UDOT and advertised in January of 2015. It is estimated that the contract would then open in February and be awarded by March. A preconstruction conference would most likely be held six weeks after award in April of 2015. If 9000 South was closed from the west side of 4800 West to approximately 5300 South construction is estimated to take at least 120 days.

If the road was closed west bound traffic would be detoured onto 4800 West to both New Bingham (NBH) and Old Bingham Highway (OBH) and then to 5600 West and back to 9000 South. Eastbound traffic would be detoured to 5600 West to OBH or NBH and then to 4800 West and then back to 9000 South. Truck traffic would be encouraged to exit on OBH and 9000 South or to use OBH or NBH as a detour route. Children walking to school will be asked to stay on the sidewalk and behind temporary chain link fencing away from construction vehicles. A map of this detour route is attached.

If 9000 South were to remain open during construction the estimated construction time would be closer to 300 days due to the staging of the work area and weather delays associated with construction during the winter months. Construction costs will increase as the contractor must pay for increased work time and increased overhead costs associated with the longer schedule. Drivers will still see increase commute times as construction delays will be present. Children walking to school will be asked to stay on the sidewalk and behind temporary chain link fencing away from construction vehicles and the temporary traffic control separating regular traffic.

Staff has examined the possible methods required to accelerate their schedule, and they are proposing the following closure for the following reasons:

1. A closure of four months will gain an overall schedule acceleration of 8 months. This acceleration allows paving to be placed ahead of winter temperature paving restrictions.
2. Safety – School Children will not have to worry about regular traffic placed closer to their safe school walking route.

Staff would add the following reason as a benefit to the public and project:

3. Opening the road sooner will increase the economic benefit to the local residents and the City as a whole by allowing new commercial construction to accelerate

their opening dates.

4. Reducing the time of construction benefits all parties in the overall time of delay. Knowing ahead of time which routes to use to get home allows for certainty for the traveling public.

Emergency services (Police, Fire, and Ambulance) would be allowed through the closure, as required.

Attachments:

Resolution  
Schedule if Road Closed  
Schedule if Road left Open  
Detour Plan

**THE CITY OF WEST JORDAN, UTAH**

**A Municipal Corporation**

**RESOLUTION NO. 14-207**

**A RESOLUTION AUTHORIZING THE MAYOR TO APPROVE THE ROAD CLOSURE OF  
9000 SOUTH FROM 4800 WEST TO 5300 WEST**

Whereas, the City Council of the City of West Jordan has reviewed the road closure of 9000 South from 4800 West to 5300 West; and

Whereas, the City Council desires to authorize staff to close 9000 South from 4800 West to 5300 West from approximately May 1 to August 30, 2015.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH:

Section 1. Staff is hereby authorized to temporarily close 9000 South from 4800 West to 5300 West from approximately May 1 to August 30, 2015.

Section 2. This Resolution shall take effect immediately.

Adopted by the City Council of West Jordan, Utah, this 19<sup>th</sup> day of November 2014.

\_\_\_\_\_  
Kim V. Rolfe  
Mayor

ATTEST:

\_\_\_\_\_  
MELANIE S. BRIGGS  
City Recorder

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Ben Southworth	_____	_____
Justin D. Stoker	_____	_____
Mayor Kim V. Rolfe	_____	_____

# 9000 SOUTH; 4800 WEST TO 5600 WEST

## SCHEDULE

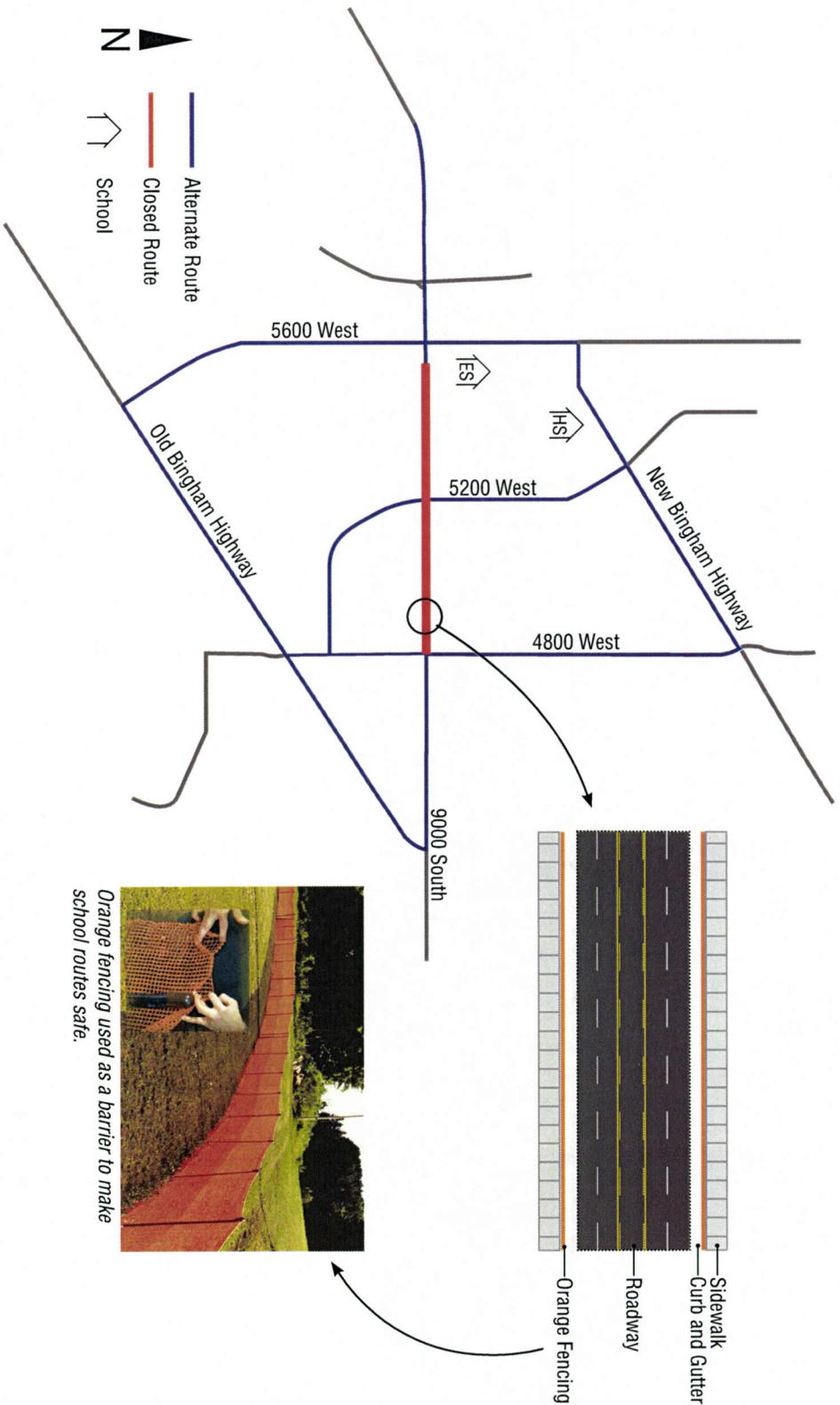
2014			2015							
October	November	December	January	February	March	April	May	June	July	August
Design	→	→								
			Advertise	→						
					Award and Contract Documents	→				
							Construction	→		
										→

## COST ESTIMATE

\$2.5 to \$2.8 Million

# 9000 SOUTH; 4800 WEST TO 5600 WEST

## MAINTENANCE OF TRAFFIC



Orange fencing used as a barrier to make school routes safe.