

4.0: Scenario 2 – Viaduct Closed; Surface Alaskan Way Available

The SR 99 Alaskan Way Viaduct is at risk of failure in the event of a strong earthquake. This scenario and attendant Action Plan focus on the City's response in such a major event should the Alaskan Way Viaduct be closed on an emergency basis, but surface Alaskan Way remain open and available to carry traffic.

There are a variety of proactive actions that emergency responders and SDOT would take to mitigate the effects of the loss of the Viaduct. SDOT would pursue these traffic management goals:

- Redirect traffic coming into the area
- Support SPD and SFD to ensure safe and expeditious access to and from the incident
- Work with emergency managers to ensure safe and expeditious routes to and from hospitals and staging areas
- Implement plans to initially move citizens away from the areas of the city impacted by the loss of the Viaduct
- Rapidly move to implement planned traffic detour systems in order to free up police officers from traffic control tasks
- Manage the remaining transportation system in and around Seattle to work as well as possible to accommodate the increased burden placed upon it by the loss of the Viaduct

Scenario 2 – Viaduct Closed; Surface Alaskan Way Available

ACTION PLAN

Initiating Action		
Action	Responsible Party	Complete Date/time
<p>Upon being made aware of the closure of the Alaskan Way Viaduct, contact any of the following for authorization to initiate “Scenario 2 – Viaduct Closed; Surface Alaskan Way Available Action Plan.”</p> <ul style="list-style-type: none">a. Director, Traffic Management Divisionb. Manager, Traffic Operationsc. Manager, Signal Operationsd. Director, Street Maintenancee. Director, Roadway Structures <p>(see Appendix J for contact information)</p> <p>Note: Whoever is contacted to initiate actions is responsible for advising SDOT Director, Traffic Division Director and convening the Incident Oversight Team</p>	Charles Street Dispatcher	

Immediate Actions – Actions in this “Immediate Actions” section are not sequential; they will be initiated concurrently.		
Action	Responsible Party	Complete Date/time
Notify WSDOT NW Region Traffic Systems Management Center of situation. (SPECIFIC PHONE NUMBER CONTAINED IN STAFF DOCUMENT ONLY.)	Street Maintenance senior supervisor	
Notify King County Metro Transit to use established alternate routes (specific detour route plan sheets that follow in this section).	Incident Oversight Team	
Implement Downtown Emergency Response Access Plan, Phase I (map graphic and specific detour route plan sheets that follow in this section).	Incident Oversight Team	
SPD to post officers at identified priority locations per AWW Closure Plan to assist in moving traffic through intersections. (SPECIFIC LOCATIONS CONTAINED IN STAFF DOCUMENT ONLY.)	SPD -- Alaskan Way Viaduct Closure Plan (specific plan follows in this section)	
Incident Oversight Team – assess situation and make	Incident Oversight	

Immediate Actions – Actions in this “Immediate Actions” section are not sequential; they will be initiated concurrently.		
<u>Action</u>	<u>Responsible Party</u>	<u>Complete Date/time</u>
determination to continue as proscribed in Action Plan or modify as needed.	Team	
Stand up SDOT’s Response Command Headquarters at Charles Street facility	Incident Oversight Team	
Mobilize crews to staff six (6) trucks with lighted arrow boards. Upon request of SPD, dispatch to locations specified in SPD’s “Alaskan Way Viaduct Closure Plan.” 1.) Eastbound South Spokane Street at ramp to northbound SR-99 2.) Northbound East Marginal Way South at 4200 block 3.) Northbound 1 st Avenue South ramp to northbound SR-99 4.) Columbia Street ramp to southbound SR-99 5.) Southbound Aurora Avenue at John Street 6.) Southbound Elliott Avenue at southbound ramp to SR-99	Street Maintenance Senior supervisor on duty	
Recommend WSDOT advise motorists via Variable Message Signs, Highway Advisory Radio, and other means per WSDOT communications plans.	Incident Oversight Team in communication with WSDOT	
Provide prepared messages to media.	Incident Oversight Team in coordination with EOC	
Implement Signal timing plans for AM Peak, PM Peak,” or Off Peak as indicated by situation	SDOT Traffic Management Center Manager	
Have crews load trucks with detour signage as listed in “Detour Routing Plan”	Street Maintenance Sr. Supervisor	
Contact vendors & suppliers to assemble identified signage and deploy per “Detour Routing Plan”	Incident Oversight Team	
Contact contractors to deploy Changeable Message Signs with message “SR 99 Viaduct Closed – Use Alternate Routes” a. SW Spokane Street at Delridge Way SW b. SW Admiral Way at California Avenue SW c. SW 35 th Street at SW Spokane Street d. East Marginal Way South at 1 st Avenue South e. SR 509 south of 1 st Avenue South Bridge f. SR 99 at North 145 th Street	Incident Oversight Team	

Immediate Actions – Actions in this “Immediate Actions” section are not sequential; they will be initiated concurrently.		
<u>Action</u>	<u>Responsible Party</u>	<u>Complete Date/time</u>
g. SR 99 at North 130 th Street h. SR 99 at North 85 th Street i. SR 99, at Winona Avenue North		
Provide SDOT staffing at City’s Emergency Operations Center	Emergency Preparedness Officer to run through EOC call-out list	

First Follow-up Actions		
<u>Action</u>	<u>Responsible Party</u>	<u>Complete Date/time</u>
1) Work with Incident Commander to confirm SDOT recommended emergency access route	SDOT’s EOC rep.	
2) Implement Emergency Downtown Access Plan, Phase I (See map graphic and specific detour plan sheets that follow in this chapter.)	Incident Oversight Team	
3) Install traffic detour signage per this scenario (see specific detour plan sheets that follow in this chapter).	Incident Oversight Team	
4) Relieve SPD staff at critical intersections with traffic management signage.	Incident Oversight Team	
5) Communicate appropriate messaging to reduce trips in area of the Alaskan Way Viaduct Corridor.	Incident Oversight Team – in conjunction with ESF-5	
6) Implement “No Parking” restrictions at critical areas to increase traffic capacity.	Incident Oversight Team	

Follow-up Actions (day 1 – week 2)		
<u>Action</u>	<u>Responsible Party</u>	<u>Complete Date/time</u>
• Implement Downtown Emergency Response Access Plan, Phase II (See map graphic and specific detour plan sheets that follow in this chapter.)	Incident Oversight Team	
• Evaluate effectiveness of traffic control plans and devices and make improvements as needed.	Incident Oversight Team	
1. Locate Portable Changeable Message Signs as available with message “SR 99 Viaduct Closed – Follow Detour Routes”:	Incident Oversight Team	









Follow-up Actions (day 1 – week 2)		
Action	Responsible Party	Complete Date/time
<ul style="list-style-type: none"> a. 15th Avenue NW, north of NW Market Street b. Elliott Avenue, north of Denny Way c. East Marginal Way South, at 1st Avenue South d. SR 509, south of 1st Avenue South Bridge e. SR 99, north of Aurora Bridge 		
<ul style="list-style-type: none"> • WSDOT locate Portable Changeable Message Signs as available with message “I-5 Congestion Thru Seattle – Use Alternate Routes”: <ul style="list-style-type: none"> a. I-405 north of SR 522 b. SR 520 east of I-405 c. I-405 south of SR 520 	WSDOT, in communication with Incident Oversight Team	
<ul style="list-style-type: none"> • Install permanent barricades at critical points 	Street Maintenance Sr. Supervisor	
<ul style="list-style-type: none"> • Install permanent signage at critical points 	Incident Oversight Team	
<ul style="list-style-type: none"> • Implement Downtown Traffic Management Plan (see map graphic and specific detour plan sheets that follow in this chapter). <ul style="list-style-type: none"> ✓ Restrict parking on 1st, 2nd, & 4th ✓ Truck detours ✓ Intersection rechannelization at Denny & Wall, 4th & Battery, 2nd & Wall 	Incident Oversight Team	
<ul style="list-style-type: none"> • Implement AWW Closure Traffic Detour Marking Phase II (see map graphic and specific detour plan sheets that follow in this chapter). 	Incident Oversight Team	
<ul style="list-style-type: none"> • Implement Detour Route, Phase III (parking restrictions) (see map graphic and specific detour plan sheets that follow in this chapter). 	Incident Oversight Team	
<ul style="list-style-type: none"> • Contact Duwamish River marine companies to initiate Emergency Spokane Street Swing Bridge Openings Schedule 	Incident Oversight Team	

Follow-up Actions (after week 3)		
Action	Responsible Party	Complete Date/time
Evaluate effectiveness of traffic control plans and devices and make improvements as needed.	Incident Oversight Team	

Emergency Access Plan

Phase I

Legend

-  Primary Emergency Route
James St: Alaskan Way to 9th Avenue
-  Secondary Emergency Route
9th Avenue: University Street to Spruce Street
-  Ramp Closures
James Street Off Ramp
-  Emergency Staging East Side of 1st
-  Two Way Emergency Flow
1st Ave @ Broad St to 1st Ave S @ S Royal Brougham Way
-  Hospitals
-  Fire Station
-  Uniformed Police Officer

Emergency Access Plan

Phase II

Legend

- Primary Emergency Route
James St: Alaskan Way to 9th Avenue
- Secondary Emergency Route
9th Avenue: University Street to Spruce Street
- Ramp Closures
James Street Off Ramp
- Emergency Staging East Side of 1st
1st Ave @ Broad St to 1st Ave S @ S Royal Brougham Way
- Two Way Emergency Flow
1st Ave @ Broad St to 1st Ave S @ S Royal Brougham Way
- Hospitals
- Fire Station
- Traffic Control Signage

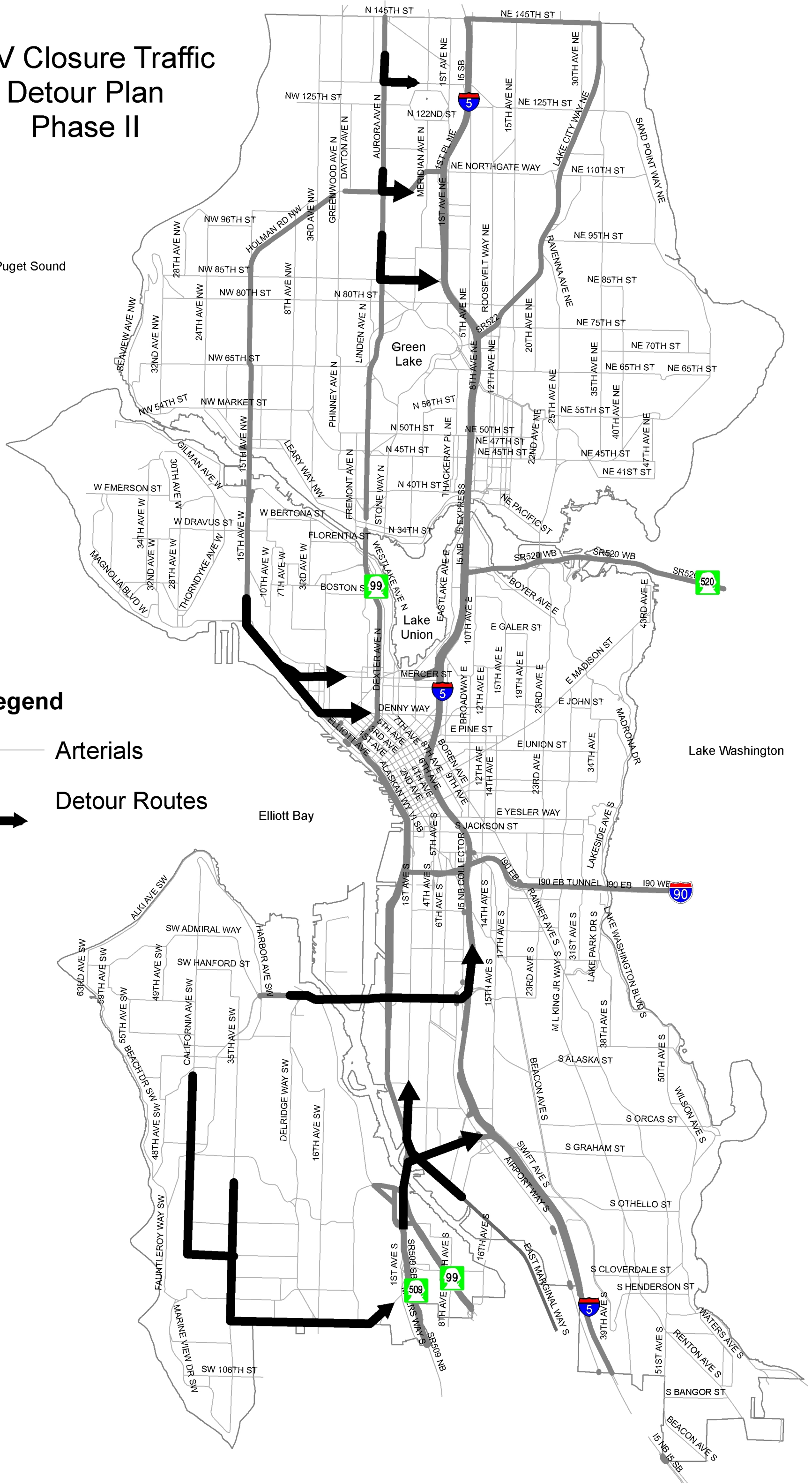
AWV Closure Traffic Detour Plan Phase II

Puget Sound

Legend

Arterials

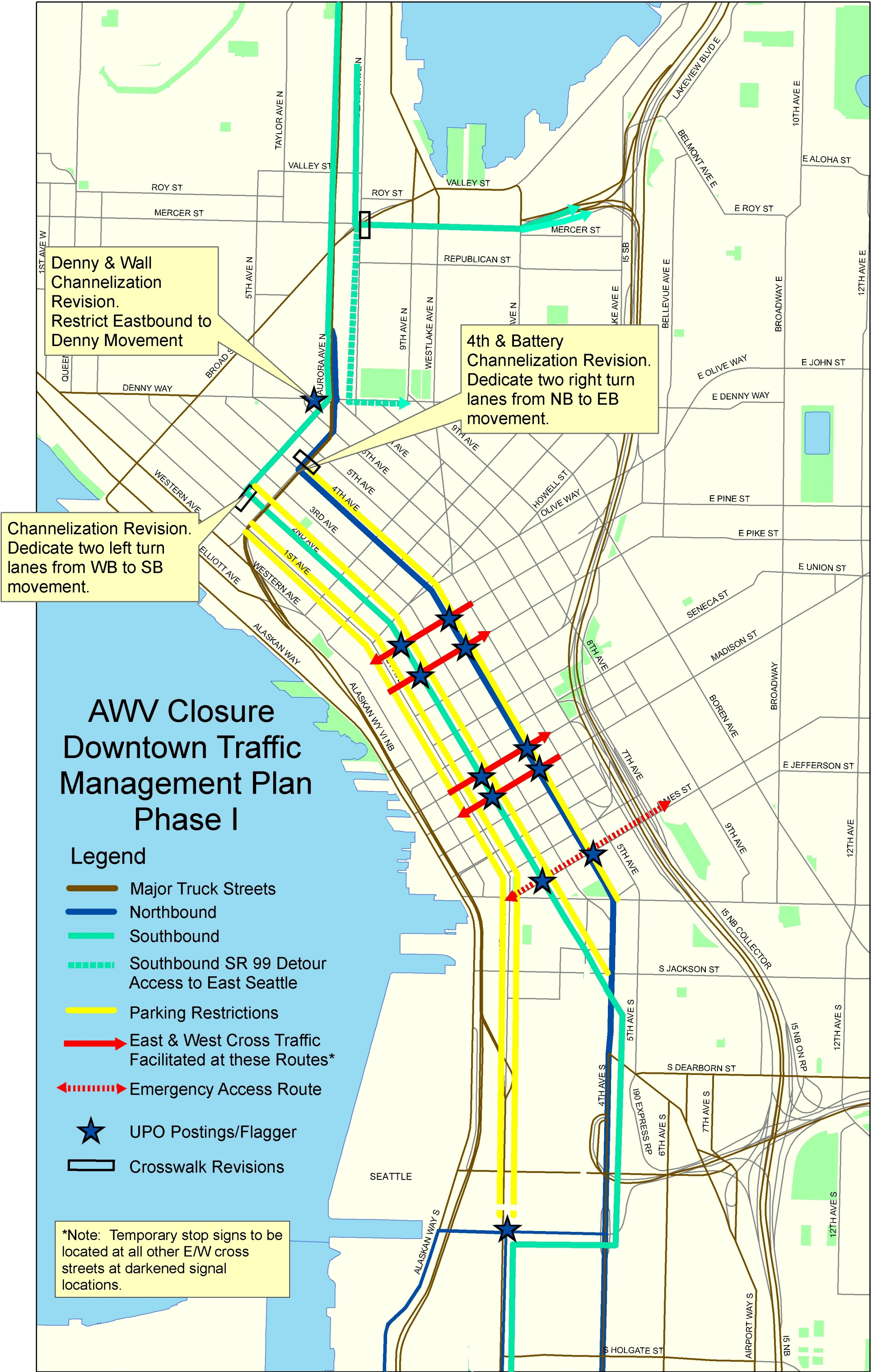
Detour Routes

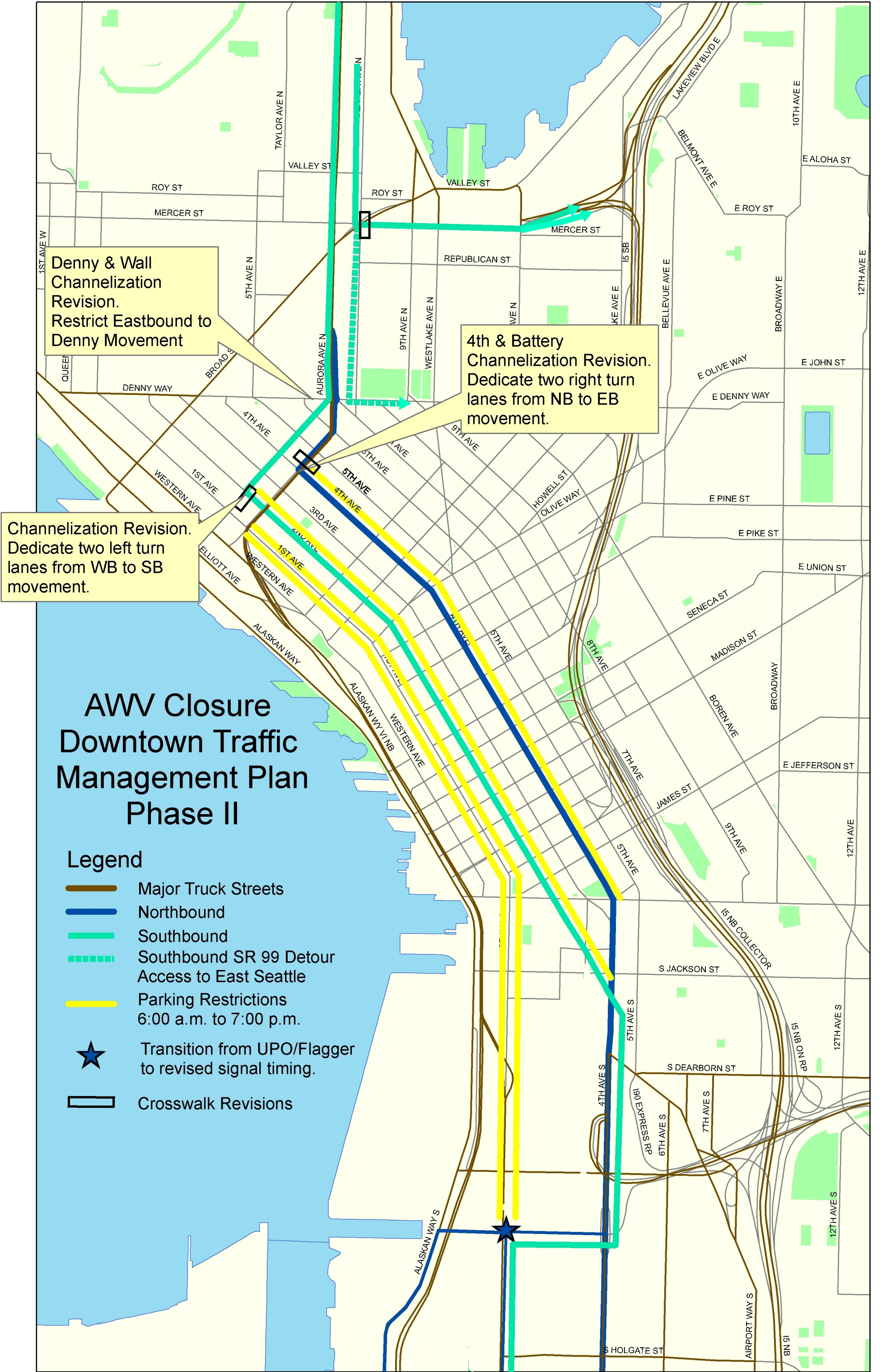


Alaskan Way Viaduct Emergency Closure Plan

Advance Information Local Map







AWV Closure Traffic Control for Truck and Freight

Legend

- Northbound
- Southbound
- Truck Route-Alaskan WY Open
- Major Truck Streets
- Arterials
- Downtown Traffic Control Zone

30 feet or longer are restricted 7:00 a.m. to 7:00 p.m. from Downtown Traffic Control Zone.
Vehicles over 24 feet or over 24,000 pounds gross weight are restricted from the downtown traffic control zone from 4:00 p.m. to 6:00 p.m.

Truck Through Trips to I-5 diverted by VMS and permanent signs.

TRAFFIC SIGNAL
TIMING PLAN

