

FREEWAY DIVERSION

Waterloo

I-380 / US 20 Eastbound

From:
Exit 66 (V49/Raymond Rd)

To:
Exit 65 (I-380/US 20 Interchange)

Plan 3521
1/7



- 220 Exit Number
- Stop Sign
- Signal
- RR Crossing
- Closed Route
- Primary Local Detour
- Secondary Local Detour
- Global Diversion
- Interstate
- Streets



← Previous segment Switch Direction ↔ Next segment →

Critical Locations to Monitor

I-380/US 20 EB Off Ramp to V49/Raymond Rd NB	US 20 EB Off Ramp to V49 SB
V49/Raymond Rd NB to D22/Dubuque Rd EB	V49 SB to D38 EB
V51/Canfield Rd SB to US 20 EB	D38 EB to I-380 NB
	I-380 NB to US 20 EB

Affected Stakeholders

Iowa DOT Statewide TMC/MVE	Iowa State Patrol
Black Hawk County	Iowa DOT Maintenance
Communications Center	City of Gilbertville
Grundy County Communications Center	

FREEWAY DIVERSION

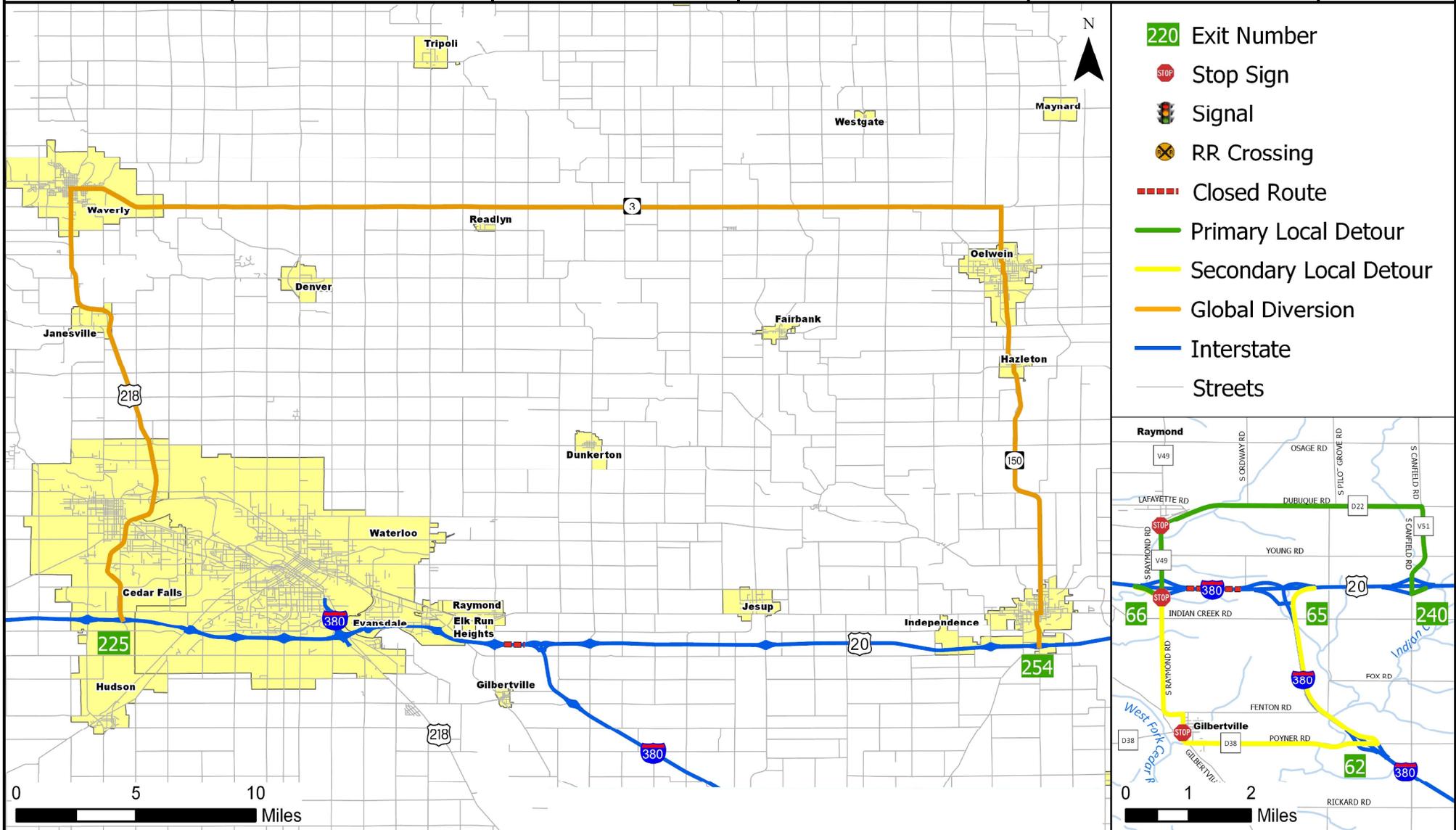
Waterloo

**I-380 / US 20
Eastbound**

From:
Exit 66 (V49/Raymond Rd)

To:
Exit 65 (I-380/US 20
Interchange)

Plan 3521
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Critical Locations to Monitor

US 20 EB to IA 58 NB	IA 3 EB to IA 150 SB
IA 58 NB at Cedar Falls (3 traffic signals)	IA 150 SB at Oelwein (4 traffic signals)
4 th St NB to IA 3 EB (5 traffic signals)	IA 150 SB at Railroad Crossing (Independence)
IA 3 EB at Waverly (4 traffic signals)	IA 150 SB at Independence (5 traffic signals)
IA 3 EB at Railroad Crossing	IA 150 SB to US 20 EB

Affected Stakeholders

Iowa DOT Statewide TMC/MVE	Cedar River Railroad Co.	Iowa State Patrol
Black Hawk County Communications Center	Iowa Northern Ry. Co.	Iowa DOT Maintenance
	Chicago, Central & Pacific Railroad	

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CRITICAL AREAS TO MONITOR FOR DIVERSION DECISION MAKING			
Location	Exit	Situation	Response
Local Diversion – Primary			
I-380/US 20 EB Off Ramp to V49/Raymond Rd NB	66	Traffic backing up onto interstate	Provide appropriate message on upstream DMS
V49/Raymond Rd NB to D22/Dubuque Rd EB		Traffic backing up and significant delays due to stop sign	Notify local law enforcement
V51/Canfield Rd SB to US 20 EB	240	Traffic returning to interstate	Monitor location
Local Diversion – Secondary			
US 20 EB Off Ramp to V49 SB	66	Traffic backing up onto interstate	Provide appropriate message on upstream DMS
V49 SB to D38 EB		Traffic backing up and significant delays due to stop sign	Notify local law enforcement
D38 EB to I-380 NB		Traffic backing up and significant delays due to turning vehicles	Notify local law enforcement
I-380 NB to US 20 EB	65	Traffic merging onto highway	Monitor location
Global Diversion			
US 20 EB to IA 58 NB	225	Traffic backing up onto interstate	Provide appropriate message on upstream DMS
IA 58 NB at Cedar Falls		Traffic backing up and significant delays due to traffic signals	Notify local law enforcement
4th St NB to IA 3 EB		Traffic backing up and significant delays due to traffic signals	Notify local law enforcement
IA 3 EB at Waverly		Traffic backing up and significant delays due to traffic signals	Notify local law enforcement
IA 3 EB at Railroad Crossing		Train blocking the crossing	Contact Railroad and notify local law enforcement
IA 3 EB to IA 150 SB		Traffic backing up and significant delays due to yield sign	Notify local law enforcement
IA 150 SB at Oelwein		Traffic backing up and significant delays due to traffic signals	Notify local law enforcement
IA 150 SB at Railroad Crossing (Independence)		Train blocking the crossing	Contact Railroad and notify local law enforcement
IA 150 SB at Independence		Traffic backing up and significant delays due to traffic signals	Notify local law enforcement
IA 150 SB to US 20 EB	254	Traffic returning to interstate	Monitor location

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ALTERNATE ROUTE RESPONSE PLAN	
Minor Impact to Traffic (Less Than 30 Minutes)	
Off Peak – Shoulder Blocked	Diversion not implemented: <ul style="list-style-type: none"> On-scene traffic control Deploy informational DMS messaging for approaching traffic
Off Peak – Shoulder and One Lane Blocked	
Intermediate Impact to Traffic (30 Minutes to 2 Hours)	
Peak Period – Shoulder Blocked	Diversion not implemented: <ul style="list-style-type: none"> On-scene traffic control Deploy informational DMS messaging for approaching traffic
Off Peak – Shoulder and One Lane Blocked	
Peak Period – Shoulder and One Lane Blocked	Partial Diversion: <ul style="list-style-type: none"> On-scene traffic control Deploy informational DMS messaging for approaching traffic Deploy DMS messaging directing through traffic to use global diversion Monitor local diversion routes at critical locations as needed
All Lanes Blocked	Full Diversion: <ul style="list-style-type: none"> On-scene traffic control Deploy DMS messaging directing all traffic to use diversion routes Deploy law enforcement to direct traffic at critical locations
Major Impact to Traffic (Greater Than 2 Hours)	
Peak Period – Shoulder Blocked	Diversion not implemented: <ul style="list-style-type: none"> On-scene traffic control Deploy informational DMS messaging for approaching traffic
Off Peak – Shoulder and One Lane Blocked	
Peak Period – Shoulder and One Lane Blocked	Partial/Discretionary Diversion: <ul style="list-style-type: none"> Deploy cones, barricades, and other appropriate traffic control devices Deploy informational DMS messaging for approaching traffic Deploy DMS messaging directing through traffic to use global diversion Divert traffic to local diversion routes at discretion of incident commander
All Lanes Blocked	Full Diversion: <ul style="list-style-type: none"> Deploy cones, barricades, and other appropriate traffic control devices Deploy DMS messaging directing all traffic to use diversion routes Deploy law enforcement to direct traffic at critical locations

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STAKEHOLDER CONTACTS		
Stakeholder		Responsibilities
Black Hawk County Emergency Communications Center	319-291-2515	Coordinate with the incident commander as to whether a diversion route is needed and which one should be implemented. <ul style="list-style-type: none"> • Notify Iowa DOT statewide TMC of route implemented, incident specific or maintenance needs, and who the incident commander is. • Dispatch County Sheriff, local law enforcement, and fire departments as needed. • Inform local municipalities and other jurisdictions that a diversion route is being implemented. • Deploy law enforcement to direct traffic at critical locations as needed. <u>Emergency Responders:</u> <ul style="list-style-type: none"> • Secure scene. • Provide incident information, diversion route recommendations, and towing needs to E911. • Minimize impact to traffic. • Provide manual traffic control as needed, or as directed by E911 at critical locations.
Black Hawk County Sheriff Black Hawk County Emergency Mgmt Gilbertville Police Department	319-291-2587 319-242-1074 319-296-9601	
Iowa DOT Statewide TMC	515-237-3300	
Iowa DOT Statewide TMC (Toll Free) Iowa DOT Maint. Garage - Waterloo Iowa DOT Motor Vehicle Enforcement Cedar River Railroad Co. Iowa Northern Railroad Co. Chicago Central, & Pacific Railroad	888-449-9672 319-233-3055 319-464-7197 800-995-7908 800-392-3342 800-995-7908	Deploy informational DMS and 511 messages to alert motorists of construction, delays, incidents, closures, etc. and/or directional DMS messaging to direct traffic to the implemented diversion route. <ul style="list-style-type: none"> • Monitor incidents and critical locations along the implemented diversion route. • Coordinate with Iowa DOT maintenance facilities regarding traffic control needs. • Deploy PDMS and Portable CCTV devices as needed for longer duration incidents. • Coordinate with local municipalities regarding the modification of signals, signal timing, or stop signs. • Coordinate with railroad authority regarding key crossings along the implemented diversion route.

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STAKEHOLDER CONTACTS		
Stakeholder		Responsibilities
Iowa State Patrol Comm. Center	800-525-5555	Dispatch State Patrol.
Iowa State Patrol – District 9 Iowa State Patrol – District 10	319-266-2677 319-283-5521	<u>On-Scene Incident Commander:</u> <ul style="list-style-type: none"> Secure scene. Notify appropriate communications center of incident location, anticipated duration, affected lanes, and identify the incident commander. Coordinate with the communications center regarding diversion route needs. Minimize impact to traffic through coordination of on-scene traffic control. Ensure overweight vehicles are parked. When the incident is safely cleared, notify the appropriate communications center that the diversion route is no longer needed.
Buchanan County Emergency Communications Center	319-334-2597	Inform emergency responders and local municipalities that a diversion route is being implemented.
Grundy County Emergency Com. Center Fayette County Emergency Mgmt Tama County Emergency Mgmt Butler County Emergency Mgmt Benton County Emergency Mgmt Bremer County Emergency Mgmt	319-824-6933 563-422-6128 641-484-3760 319-267-9968 319-472-2337 319-352-0133	<ul style="list-style-type: none"> Monitor critical locations. Provide manual traffic control as needed, or as directed by E911 at critical locations. Notify Iowa DOT statewide TMC of any issues along the implemented diversion route. Coordinate with Iowa DOT statewide TMC regarding any maintenance or traffic control needs.

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DMS MESSAGES		
Sign Location	Page One	Page Two
US 20 EB @ Union (OH)	US 20 EB CLOSED EXIT 66	USE ALTERNATE ROUTE
I-380 SB @ Waterloo (OH)	US 20 EB CLOSED EXIT 66	USE ALTERNATE ROUTE
US 218 SB @ San Marnan (OH)	US 20 EB CLOSED EXIT 66	USE ALTERNATE ROUTE
US 218 - SB @ Lone Tree (OH)	US 20 EB CLOSED EXIT 66	USE ALTERNATE ROUTE

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TRAFFIC CONTROL		
Location	Initial Action/Resource	Extended Action/Resource
Local Diversion - Primary		
I-380/US 20 EB Off Ramp to V49/Raymond Rd NB	Detour signing	Monitor location
V49/Raymond Rd NB to D22/Dubuque Rd EB	Detour signing	Monitor location
V51/Canfield Rd SB to US 20 EB	Detour signing	Monitor location
Local Diversion - Secondary		
US 20 EB Off Ramp to V49 SB	Detour signing	Monitor location
V49 SB to D38 EB	Detour signing	Monitor location
D38 EB to I-380 NB	Detour signing	Monitor location
I-380 NB to US 20 EB	Detour signing	Monitor location
Global Diversion		
US 20 EB to IA 58 NB	Detour signing	Monitor location
IA 58 NB at Cedar Falls	Detour signing	Manual traffic control (as needed/peak periods)
US 218 NB to 4th St NB	Detour signing	Monitor location
4th St NB to IA 3 EB	Detour signing	Manual traffic control (as needed/peak periods)
IA 3 EB at Railroad Crossing	Monitor location Coordinate with local law enforcement as necessary	Coordinate with Railway and local law enforcement as necessary
IA 3 EB to IA 150 SB	Detour signing	Monitor location
IA 150 SB at Oelwein	Detour signing	Manual traffic control (as needed/peak periods)
IA 150 SB at Railroad Crossing (Independence)	Monitor location Coordinate with local law enforcement as necessary	Coordinate with Railway and local law enforcement as necessary
IA 150 SB at Independence	Detour signing	Manual traffic control (as needed/peak periods)
IA 150 SB to US 20 EB	Detour signing	Monitor location