

RIVER FLOOD ACTION PLAN

*RIVER LEVEL FLOODING RESULTS

- 11.1 Feet** *Minor flooding* (At this river level, water is moving at a flow rate of 63,472 gallons/second)
River breaches bank on the west side of Custenborder Field near the Raw Water Pump Station
- 12.1 Feet** *Minor flooding* (At this river level, water is moving at a flow rate of 74,676 gallons/second)
River breaches bank on Riverside Drive
- ❖ Flooding of Custenborder Field at East River Intake
 - ❖ Flooding of homes along the Great Miami River on Riverside Drive from BK Root Beer Stand to the City Limits
- 14.6 Feet** *Moderate flooding* (At this river level, water is moving at a flow rate of 108,275 gallons/second)
River breaches west bank on County Rd 25A South
- ❖ County Rd 25A near Cemetery will flood north to the Big Four Bridge where the Jersey Barriers are located
- 18.02 Feet** *Major flooding* (At this river level, water is moving at a flow rate of 160,544 gallons/second)
River breaches Jersey Barriers on South Ohio in front of Big Four Bridge
- ❖ Flooding of Crescent Drive Area
 - ❖ Flooding of South Ohio Area
 - ❖ Flooding of Brooklyn Ave Area
- 18.54 Feet** *Record Flooding* (At this river level, water is moving at a flow rate of 171,748 gallons/second)
River breaches 100 yr floodwall
- ❖ Entire south end of the City is flooded

NATIONAL WEATHER SERVICE DEFINITIONS

Minor flooding: Minimal property damage, but possibly some public threat or inconvenience (isolated road flooding).

Moderate flooding: Some inundation of structures and roads near stream. Some evacuations of people and/or transfer of property to higher elevations are necessary.

Major flooding: Extensive inundation of structures and roads. Significant evacuations of people and/or transfer of property to higher elevations.

Record Flooding: Flooding which equals or exceeds the highest stage or discharge at a given site during the period of record keeping.

* As measured by River Level Gauge Reading at North Street Bridge

- North Street Bridge: 0 ft = 924.70 elevation
- Big Four Bridge: 0 ft = 917.33 ft elevation

THE FOLLOWING ACTION STAGES MAY VARY DUE TO:

WEATHER FORECAST

EXISTING GROUND CONDITIONS

REPORTS OF FLOODING IN UPSTREAM WATERSHED

***ACTION STAGE – CITY RESPONSE**

- 10.5 Feet** Water Treatment Plant contact:
- Fire Department
 - Parks & Recreation Department
 - Public Works Director
 - Utilities Director
 - City Manager

Assignments

- Fire Department:
 - Prepare river rescue equipment
 - Advise City residents on Riverside Drive from Custenborder Field to City Limits – advise of rising water levels.
- Parks Department:
 - Move park equipment out of Custenborder Field.
- Utilities Department:
 - Start Stormwater Screw Pumps on Enterprise and South Miami.
- Water Treatment Plant:
 - Initiate monitoring of River Levels every 30 minutes.
- City Manager:
 - Issue Public Notice of rising river levels.
 - Advise residents to monitor river levels at www.sidneyoh.com website.

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- 12.1 Feet** Water Treatment Plant contact:
- Fire Department
 - Parks & Recreation Department
 - Community Development Director
 - Utilities Director
 - Public Works Director
 - City Manager

Assignments

- Fire Department:
 - Monitor Riverside Drive & Brooklyn Ave Residential Areas for Flooding.
 - Parks Department:
 - Monitor Water Levels At Custenborder Field.
 - Community Development Director
 - Monitor Structural Damage Due to Flooding.
 - Public Works Director:
 - Email Staff Advising Not to Call River Gauge. WTP use only.
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- 13.5 Feet** Water Treatment Plant contact:
- Police & Fire Department
 - Parks & Recreation Department
 - Utilities Director
 - Public Works Director
 - City Manager

Assignments

- Utilities Department:
 - Personnel start filling sand bags.
 - Setup Jersey barriers on South Main in front of the Big Four Bridge. Barriers to be installed per attached drawing.
 - Place sandbags at river bank south of Big Four Bridge at low spot.
 - Place sandbags behind church at Berger Park on S. Miami.
 - Initiate 24 hr monitoring of river and barriers.
- *Street Department:
 - Personnel start filling sand bags.
 - Setup Traffic Detour per attached drawing.
- *Parks Department:
 - Personnel start filling sand bags.
 - Assist Utilities and Street, if available.
- Wastewater Treatment Plant:
 - Setup sandbags around Raw Sewage Pump Station.
- Fire Department:
 - Monitor Riverside Drive and Brooklyn Ave Residential Areas for Flooding.

* Depending on staff availability

- 14.2 Feet** Water Treatment Plant contact:
- City Manager
 - Public Works Director
 - Call Utilities Director
 - Police & Fire Department

Assignments

Emergency Operations Center Activated

- Supervisors Report to Fire Station #1.
- Non-Supervisory Personnel Report to Service Center.
- City Staff review attached 100 yr Flood Map to determine evacuation areas.

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- 14.6 Feet** Water Treatment Plant contact:
- City Manager
 - Public Works Director
 - Call Utilities Director
 - Police & Fire Department

River bank south of Big Four Bridges is breached

Assignments

- As determined by EOC

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- 18.02 Feet** Water Treatment Plant contact:
- City Manager
 - Public Works Director
 - Call Utilities Director
 - Police & Fire Department

River breaches Jersey Barriers

Assignments

- As determined by EOC

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- 18.3 Feet** Water Treatment Plant contact:
- City Manager
 - Public Works Director
 - Call Utilities Director
 - Police & Fire Department

River breaches 100 Yr. Flood Wall

Assignments

- As determined by EOC
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River Gauge Information

GAUGE LOCATION

Latitude 40°17'13", Longitude 84°09'00" NAD27,
Shelby County, Ohio, Hydrologic Unit 05080001

DRAINAGE AREA

Contributing drainage area 541 square miles

GAGE

Datum of gage is 924.70 feet above sea level COE1912

SITE TYPE

Shelby County, Hydrologic Unit 05080001, on right bank 50 ft upstream from North Street Bridge in Sidney, and 0.5 mi downstream from Tawawa Creek

RIVER READING VS ELEVATIONS

<u>Site Map ID</u>	<u>River Level</u>	<u>Elevation</u>
BM#1 North Street Bridge (Baseline)	0 ft	924.70
BM#2 Big Four Bridge (Baseline)	0 ft	917.33
BM#3 100 Yr. Flood wall @ Miami Pump Station	18.54 ft	935.87
BM#4 Riverbank south of Big Four Bridge (Low Spot)	14.6 ft	931.93
BM#5 Centerline of S. Main behind Jersey Barriers	15.11 ft	932.44
BM#6 Top of levee off of Crescent Dr. West side of County Rd 25A	18.06 ft	935.39
BM#7 Top of levee off of South Miami East side of County Rd 25A	18.54 ft	935.87
BM#8 Jersey barrier height Low End (West side)	18.17 ft	935.50

On Duty Response

All City Staff will report to their normal work post and await instructions when an emergency arises during normal working hours. The normal chain of command will apply, with directions coming from immediate supervisors within the department. Reorganization may take place as needed due to the nature of the emergency, lack of supervision (vacation, illness, etc.) or other special circumstances.

All flood emergencies shall be reported to the Public Works Director, Jon Crusey at 937-538-0835. Mr. Crusey will notify the City Manager, Andrew Bowsher at 937-313-1529. In the event that the Public Works Director cannot be contacted, flood emergencies shall be reported directly to the Water Treatment Plant Superintendent and the Underground Utilities Superintendent.

Notification will be as follows:

The Public Works Director shall contact the following supervisory personnel:

Utilities Director (if not previously notified)
Bill Blakely 937-538-0864 or 419-213-0303

Underground Utilities Superintendent
Steve Rhodes 937-538-0860 or 937-489-5453

Underground Utilities Superintendent shall contact the following personnel if necessary:

Distribution Foreman
Jeff Poeppelman 937-538-0868 or 937-726-5953

Sewer I & I Foreman
Kent Fogt 937-538-0859 or 937-492-9645

Sanitary Sewer Foreman
Jade Billing 937-638-4612 or 937-726-9320

UTILITIES DEPARTMENT PERSONNEL AFTER HOUR CALL LIST

Water Treatment Plant

	<u>Personal</u>	<u>City Cell</u>
Operator on Duty	N/A	937-498-8127
Brown, Elijah	419-953-8277	
Brown, Sam	937-214-9066	937-538-0865
Elliott, Ryan	937-638-2971	937-538-0875
Epley, Seth	419-236-7840	937-538-0866
Fessler, Logan	937-658-1909	937-538-6166
Paxton, Brian	937-407-1677	
Staugler, Aryelle	937-418-6018	
Weis, Thomas	937-489-6935	

Underground Utilities

	<u>Personal</u>	<u>City Cell</u>
Billing, Jade	937-726-9320	937-638-4612
Brandewie, Zach	937-638-3475	
Clark, Zach	937-638-1732	937-538-0861
Davis, DJ	937-489-1283	937-538-0095
Driskell, Brian	937-765-4596	
Evans, Roger	937-538-0024	
Fogt, Kent	937-492-9645	937-538-0859
Helminger, Blaine	937-622-1864	
Hueing, Mitchell	937-726-6480	
Jones, Dave	937-498-4206	937-538-0862
Kitchen, Kevin	937-419-9559	937-538-0126
Leiss, Brandon	937-838-8215	
Mentges, John	937-638-4612	937-538-8991
Meyer, Andrew	937-726-9395	
Naseman, Cindy	937-638-2330	
Poeppleman, Jeff	937-726-5953	937-538-0868
Rhodes, Steve	937-489-5453	937-538-0860
Rittenhouse, Bryce	937-638-5532	
Stewart, Jason	937-585-3400	
Stone, Diane	937-658-2624	
Wood, Josh	937-726-5381	

Wastewater Treatment Plant

	<u>Personal</u>	<u>City Cell</u>
Coy, Mike	937-638-9630	
Massie, Justin	937-418-2535	
Mitchell, Greg	937-638-3372	937-622-8917
Watt, Megan	567-356-1452	
Zerkle, Barry	937-638-0949	937-726-7361
WWTP Operator	N/A	937-658-8848

Street Department

	<u>Personal</u>	<u>City Cell</u>
Green, Brian	937-726-9991	937-538-0873
Martin, Jeremy	937-538-6211	
Mullen, Ryan	937-658-4197	
Richards, Derek	937-507-2935	
Smith, Ben	937-726-0221	
Tennery, Mark	937-726-5857	

Parks Department

	<u>Personal</u>	<u>City Cell</u>
Aselage, Justin	937-638-8261	937-538-0838
Adkin, John	937-710-5840	
Dearth, Jeremy	937-726-7223	
Elliott, Rodd	937-726-5628	937-538-0837
Gaier, Duane	N/A	937-538-0836
Heuing, Jim	937-526-9484	937-538-0357
Keener, CJ	N/A	937-538-8921
Roediger, Jacob	937-210-7673	
Rogers, Jennie	N/A	937-538-0840
Voisard, Luke	937-726-7846	937-538-6650

Fire Department

	<u>Contact Number</u>
Chad Hollinger	937-710-3167
Dallas Davis	937-538-0879
Shift Commander	937-498-2346 or extension 8499

EMERGENCY OPERATIONS PLAN

Utility, Parks and Public Works personnel notified that the Emergency Operation Plan has been activated, shall report to the Service Center, located at 415 S. Vandemark, unless otherwise directed by a supervisor. Supervisors and specified management personnel trained in the City's Emergency Operation Plan will report immediately to Fire Station 1. Staff will be briefed on the emergency situation and staff assignments will be made at this location. The following is a list of the City's Senior Directors that will be responsible for the activation of the Emergency Operations Plan.

	<u>Personal</u>	<u>City Cell</u>
Andrew Bowsher	614-204-5942	937-313-1529
Jon Crusey	937-776-7908	937-538-0835
Bill Blakely	419-213-0303	937-538-0864

EOC Organization/Operations

All City employees may be called to duty at any time to assist in or directly supervise operations, planning, logistics or finance/administration areas. Even though current job functions will be considered, personnel may be required to work in unfamiliar areas with unfamiliar supervision. In any case, being a City resource for a quick response and efficient recovery from any disaster is a major goal of the EOC system. Saving lives and property will be priority for all groups involved.

In cases where significant disasters occur, such as tornadoes, flooding, etc., and City employees are off-duty, they are expected to report to work without being called by their department supervision. This extra effort would allow for employees on duty to perform

the first critical steps needed to begin alleviating the problems related to the disaster. A determination of where and when they will assist will be made upon their arrival.

Typical response teams may involve scenarios such as Water Plant personnel taking care of water main problems or water plant problems. Wastewater personnel would assist in these endeavors, as well as possibly analyzing and treating special situations due to the disaster. Assistance to other labor pools may also be required.

Attachments:

River Flood Plan – Road Closures/Detours

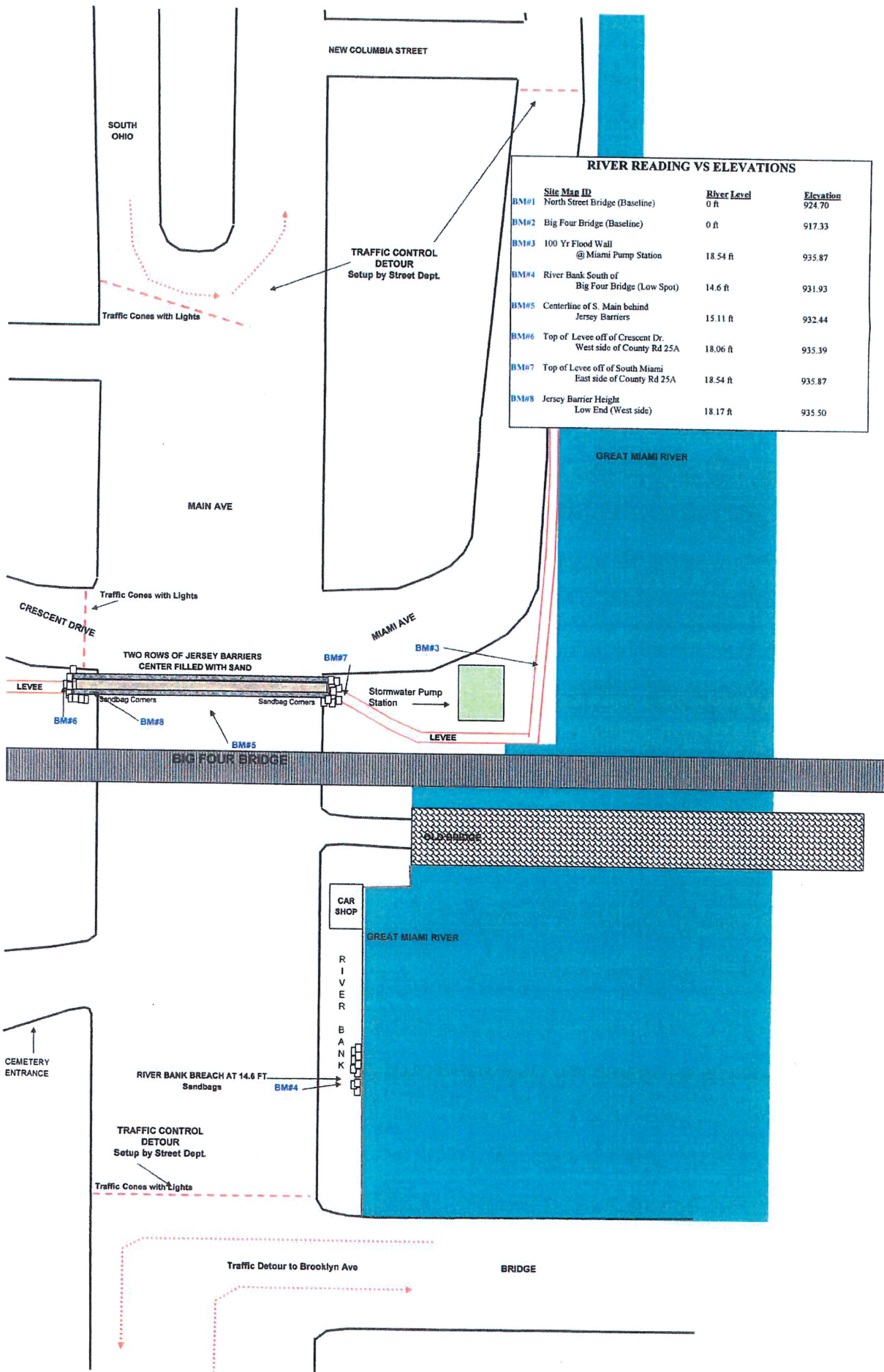
River Reading vs Elevations

Jersey Barrier Filter Fabric and Sand

Revised 2-3-22

River Flood Plan – Road Closures/Detours





RIVER READING VS ELEVATIONS		
Site Map ID	River Level	Elevation
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