

DECLARATORY RESOLUTION
OF THE BOARD OF SANITARY COMMISSIONERS
OF THE MUNCIE SANITARY DISTRICT
RESOLUTION NO. 2012 - 11

WHEREAS, the Board of Sanitary Commissioners ("Board") of the Muncie Sanitary District ("District"), operating pursuant to the provisions of IC 36-9-25, has caused an investigation to be made of the operations of the District's sewage works and finds that there are areas identified in the reports filed with this Board being polluted by the discharge of sewage, drainage or other harmful matter and that it is necessary for the public health and welfare and will be of public utility and benefit to construct certain additions and improvements to the sewage works of the District as more fully described on Exhibit A attached hereto and incorporated herein by reference ("Projects");

WHEREAS, the Board previously adopted its Declaratory Resolution on June 16, 2009, conducted a public hearing on June 30, 2009, and adopted its Confirmatory Resolution on June 30, 2009 ("2009 Proceedings");

WHEREAS, the 2009 Proceedings approved various projects which are a part of the Projects set forth in this resolution; as a result of the 2009 Proceedings, the District provided interim financing for a portion of the Projects and such have been completed by the District;

WHEREAS, the Board has determined to approve the final cost of the projects completed under the 2009 Proceedings and to proceed with additional projects in the District, all of which shall comprise the Projects as described on Exhibit A;

WHEREAS, certain reports containing general plans, descriptions and estimates for the Projects have been prepared and are on file with the Board;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SANITARY COMMISSIONERS OF THE CITY OF MUNCIE, INDIANA THAT:

1. The Board of Sanitary Commissioners ("Board") preliminarily finds that it is necessary for the public health and welfare and will be of public utility and benefit to construct the Projects, together with necessary appurtenances, related improvements and equipment, and the incidental expenses in connection with the Projects and the issuance of bonds therefor. The Board will proceed with the Projects in accordance with the reports and general plans, heretofore prepared by the engineers employed by the District, which reports and general plans are on file with the Board and are hereby approved and adopted.

2. The Board will undertake the Projects, the cost of which, together with incidental expenses of the Projects and the issuance of bonds, in one or more series, to finance the Projects, will not exceed \$34,535,000. The costs include all necessary expenses to be incurred in connection with the proceedings and the Projects, including the costs of necessary records, engineering expenses, contingencies, inspections, publication of notices, the issuance and sale of bonds, in one or more series, to provide funds for the Projects, and expenses and fees incurred in connection therewith and other necessary expenses to be incurred in connection with the letting of contracts with regard to the Projects.

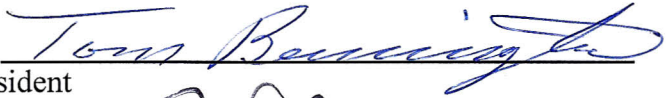
3. On the 12th day of June, 2012, at 5:00 p.m. in the City Hall, in the City of Muncie, Indiana, the Board will meet and will receive and hear remonstrances from persons interested in or affected by such proceedings and will take final action to determine the public utility and benefit of the proposed Projects and will confirm, modify or rescind this Declaratory Resolution.

4. Notice of the adoption of this resolution and the purport thereof, and of the fact that such reports, general plans, and estimates have been prepared and can be inspected, and setting out the date on which said public hearing will be held, shall be published in accordance with IC 5-3-1 at least 10 days before the date of the hearing in *The Star Press*.

This resolution will be open to inspection by all persons interested in or affected by the Projects.


Adopted this 29th day of May, 2012.

BOARD OF SANITARY COMMISSIONERS OF THE
MUNCIE SANITARY DISTRICT

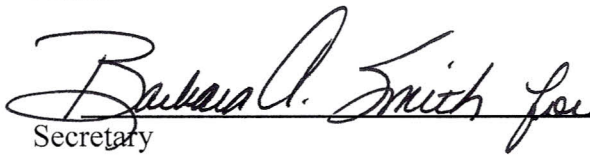


President





Attest:



Secretary

EXHIBIT A

Description of Projects

2012 Projects

The Jakes Creek lift station capacity was increased and a holding tank was provided. The station also was in need of an emergency power unit, expansion of the electrical distribution system including replacement of conduit, switch boxes and control panels, roof replacement, upgrade to HVAC to meet current code, and painting of ceilings, walls and floors.

The White River Interceptor Televising work required by-pass pumping and traffic control in White River Boulevard during the six month project. The costs being requested for reimbursement for this project include only those expended outside the labor and equipment available within the District's own sewer department.

The new CSO 018 facility was necessary to comply with the NPDES permit. It is a 20' x 40' cast-in-place concrete structure 26' tall and includes a mechanical fine screen, static fine screen, three 42-inch outfall pipes, and two flow meters for recording the CSO's discharge to the White River. The project's control building provided the power for the screen hydraulic power pack and power panels for lighting of the structure all housed in the block building. The outfall pipes exit the river bank in an outfall structure and are equipped with backwater check valves. The new CSO provides the requirements of one of the nine minimum controls for CSOs to be screened for control of floatables, and have adequate monitoring and recording of discharges to the receiving stream.

The proposed CSO #8 Combined Sewer Separation project will include a new storm water collection system consisting of 1,300 lineal feet of 24-inch PVC pipe, 470 lineal feet of 12-inch PVC pipe, ten manholes, connections to existing manholes, catch basins and inlets, jack and bore of the levee with a discharge headwall at the river bank, granular backfill and street surface replacement. The project will complete separation of the tributary sewer system and permanently close the CSO.

2013 Projects

1. CSO 002 Separation Project

The project scope includes the complete separation of combined sewers in the drainage area identified as CSO 002 of the MSD Collection System. The CSO 002 Diversion Structure is located south of East Jackson Street and just north of the railroad tracks on the west bank of the White River near the MSD Flood Pump Station No. 1. A 30-inch combined sewer enters the diversion structure and during dry weather, sewage flows through a sluice gate into 10-inch sewer that ultimately is tributary to the White River Interceptor. During wet weather, combined sewage overflows a weir into a 30-inch sewer that discharges to the west bank of the White River.

The combined sewer area tributary CSO 002 is approximately 34 acres in size and consists of a mix of industrial and residential uses. Portions of the CSO 002 tributary area have been previously separated. In general sanitary sewage would be directed to the White River Interceptor using the existing combined sewer and storm water would be directed to the White River using new storm sewers to be designed and installed by this project. Specific sewers to be constructed were determined during a preliminary engineering phase of the project and are defined as follows:

<u>Item</u>	<u>Location</u>	<u>Approximate Length</u>
Storm Sewers	Dudley St. betw. Windsor & Koontz	512 LF of 18-inch
Storm Sewers	Brotherton St. betw. Cedar & Dudley	255 LF of 15-inch
Sanitary Lateral Repairs	All households & stubs	6,000 LF of 4-inch
Storm Inlet Reconnections	Total of Seven	185 LF of 12-inch
Sanitary Manhole Rehabilitation	All manholes	25 4-foot diameter

2. CSO 024 Separation Project

The project includes the complete separation of the combined sewer in the drainage basin of the combined system identified as CSO 024. The Diversion Structure is located on the south bank of Buck Creek on the east side of Port Avenue. A 60-inch combined sewer enters the diversion structure and dry weather flow is directed through an opening in the side wall that leads to an 8-inch sewer that crosses under Buck Creek and connects to the 30-inch Buck Creek Interceptor. During wet weather, combined sewage overflows a weir and enters a chamber that discharges to Buck Creek. A flap gate is mounted on the exterior of the structure.

The existing 60-inch combined sewer which is located along Cowan Road will be used as a storm sewer and a new 8-inch sanitary sewer will be constructed parallel to the combined sewer and along the east side Cowan Road in an easement. The new sanitary sewer will connect to the Buck Creek Interceptor. The length of new sanitary sewer will be approximately 4,000 feet and will be installed parallel to the combined sewer along the east side of Cowan Road. Ten new sanitary manholes will be included in the project as well as the removal of all sanitary connections to the existing combined sewer which will become strictly a storm convenience pipe upon completion of the work. The converted storm sewer will be rehabilitated by sealing the pipe joints and lining the manholes as necessary.

3. White River Interceptor Rehabilitation

The White River Interceptor will be completely rehabilitated with the use of structural lining material acceptable to the USACE for pipe repair in certified levees. The White River Interceptor is located along the north side of the White River beginning at the WPCF and runs east to Wheeling Avenue. The interceptor ranges in size from 60-inch to 42-inch and is a combined sewer discharging to the WPCF during dry weather and during wet weather, combined sewage overflows a weir at CSO 37 (previously named 18) and is discharged at the south bank of the White River.

The interceptor is to be completely rehabilitated within the range of the previous televising limits with one or a combination of two methods of pipe lining. Both methods must be

acceptable to the USACE for structural repair of pipeline within a levee. The total length of sewer televised was 12,550 feet consisting of 37 individual sewer segments.

4. Primary Outfall (PO) Interceptor Rehabilitation

The PO Interceptor Rehabilitation project will repair sections of this hand-laid brick sewer to near new condition with a spray-applied cement coating with reinforcement wire ("gunite"). The PO Interceptor is the collector of combined sewers in Area CSO 15 located generally in the south half of downtown Muncie. The beginning of the interceptor is in the Beech Grove Cemetery along the south bank of the White River just east of Nichols Avenue. The first section of interceptor through the cemetery was previously lined with "gunite" from the river headwall east to Kilgore Avenue. The sewer then runs east toward downtown and passes under and parallels the Norfolk & Southern Railroad lines to Madison Street. This project includes adding a liner to an existing brick sewer, 92x66 inches oval to 60-inch diameter and a cured-in-place-pipe liner in 54-inch and 48-inch sewer, from Kilgore Avenue east to Madison Avenue. The length of sewer to be repaired is limited by the budget established in the loan application. If more work is needed after bidding and construction are completed, another loan will include more funds for the work to finish the repair.

5. WPCF Primary Power Replacement Project

The Primary Power Replacement Project includes the work of complete replacement of existing dual source primary power supply equipment and provision of back-up power for the WPCF. The WPCF receives utility service from Indiana - Michigan Power at 12,470 volts, 3 phase, 60 hertz from two separate sub-stations. The plant operates on one of the two unless a power outage is experienced, then the source is manually switched to the less robust source for the temporary period of power outage, then switched back to the more robust source when restored to service.

The project includes the following work and equipment:

- Relocation of overhead utility feeders to the east side of the WPCF
- Utility metering and switching cabinets
- Utility service into a new Electrical Building. This is planned to consist of two duct banks, approximately 80 feet in length, with two 5-inch conduits and 15 kV rated service cables
- New Electrical Building, approximately 1,200 square foot split-face block structure to match recent Architecture work at the WPCF
- Dual 1.5 megawatt (1,500 kW), 12,470 volts, 3-phase, 60 hertz generators, with outdoor sound attenuated enclosures; the diesel fuel source is to be sized to provide 48 hours of full load power
- Medium-voltage (15 kV rated) switchgear in the Electrical Building which includes main utility switch, two generator switches, generator main switch, and eight (8) feeder switches for plant power distribution
- Switchgear control lineup consisting of two generator control bays, master control bay, and an automatic transfer control bay

- 12,000 feet of 15 kV rated cables in duct banks of 5-inch conduits, concrete encased for medium voltage power distribution
- 1,000 kVA substation with transformer at the Control Building
- Outdoor 45 kVA pad mounted transformer for 480-volt power in Electrical Building
- Disconnection and reconnection of several 480-volt transformers to remain in service from the new medium voltage distribution system
- Demolition of existing equipment phased out by the project