

ATTACHMENT H
BOWER SCHOOL FLOODING MEETING MINUTES

MEETING MINUTES
 Bower School Flooding
 City Of Warrenville
 City Hall
 April 29, 2009, 9 A.M.

Present	Representing	Contact
Tim Dawson	DuPage DOT	Tel: (630) 407-6911
Christine Klepp	DuPage County Stormwater	Tel: (630) 407-6708
Ron Mentzer	City of Warrenville	Tel: (630) 393-9050
Mike Smith	City of Warrenville	Tel: (630) 393-9050
Tom DeHart	Community Unit School District 200	Tel: (630) 393-9690
Colin A. Wilkie	Community Unit School District 200	Tel: (630) 393-9690
Bill Farley	Community Unit School District 200	Tel: (630) 682-2025
Thomas Diliberti	Energy Education (CUSD 200)	Tel: (940) 867-6588
Bill Bohne	Jacob & Hefner	Tel: (630) 652-4621
Edward Yousif	AECOM/Tollway	Tel: (312) 373-6786
Rich Milburn	Tollway	Tel: (630) 241-6800 ext. 3935
Mike Dumas	AECOM/Tollway	Tel: (630) 241-6800 ext. 3966
Mike Waldron	Strand Associates, Inc.	Tel: (815) 744-4200
Nick Orf	Strand Associates, Inc.	Tel: (815) 744-4200

1. Introductions

Everyone in attendance introduced themselves.

2. Background and Purpose

Mike Waldron began by reviewing the reason for the meeting. He gave an overview of the September 2008 flood event and its impact to Bower Elementary School and the desire to discuss actions to reduce the potential for future flooding at the school with all interested parties.

3. Review Information Collected By City

A figure developed by Strand Associates, Inc. was distributed to all in attendance showing the drainage infrastructure in the area of interest particularly around Bower Elementary School, Ferry Road and River Road, and I-88 Tollway. The data to develop this figure was obtained from various engineering drawings and as-built plans and has not been field surveyed or field verified. Data was obtained from the following sources:



- a. Topographical Survey, Bower Junior High School Warrenville, Illinois, dated June 13, 1979 and prepared by Webster and Associates.
- b. New School Addition at Bower Elementary School, dated June 16, 1986 and prepared by Arcon Associates, Inc.
- c. The Illinois State Toll Highway Authority Contract RR-03-5179 Roadway Reconstruction, East-West Tollway (I-88), dated February 20, 2004 and prepared by Patrick Engineering, Inc.
- d. Survey data collected by the City of Warrenville after the September 2008 flood event.
- e. DuPage County Division of Transportation, Plans, Profiles and Details for County Highway 3 Section 94-00289-00-FP/BR, Ferry Road, As-built plans, dated March 1, 1997 and prepared by SDI Consultants, Ltd.
- f. Naperville Reservoir, Stage I, West Brand DuPage River, DuPage County, FR-178, dated September 15, 1969, prepared by the State of Illinois, Department of Public Works and Buildings, Division of Waterways.
- g. Flood Insurance Study, DuPage County, Illinois and Incorporated Areas, dated March 2007 and prepared by the Federal Emergency Management Agency (FEMA) and Nika Engineering.

4. Discussion of Site Conditions

Various attendees described their observations of the site conditions. Information distributed to attendees included:

- a. A memorandum by Edward Yousif dated April 17, 2009 summarizing his drainage investigation findings and recommendations.
- b. Photographs taken by Mike Smith after the September 2008 flood event showing the apparent flood water debris line.

It was agreed upon by those in attendance that the current drainage infrastructure in the area provides a hydraulic connection between the West Branch DuPage River and Bower Elementary School. Most of the discussion concerned the connection from the river through the Tollway drainage system to the County detention basins and through Ferry Road culverts and storm sewer to the school property. Below is a list of topics discussed:

- a. Several pipes discharging to the river are missing flap gates and should be replaced. It was agreed that the backflow prevention used on the pipes should require minimal



maintenance and prevent clogging. It was suggested that all gates be replaced with Tideflex Valves rather than metal flap gates.

- b. Some pipes are filled with debris and are in need of cleaning.
- c. The berm along the river east of the school does not appear to be at the original design height.
- d. The outfall headwall from the County detention basin to the Tollway drainage system could not be found in the field.
- e. DuPage County owns the land from approximately the south side of the Bower School parking lot to the I-88 Tollway right-of-way, which includes the wetlands and detention areas on the south side of Ferry Road.
- f. The City proposed an agreement to allow the City the ability to perform routine inspection of facilities and establishment of communication between the parties to assure facilities are being maintained.
- g. The design intention needs to be investigated for the 12-inch culvert separating the wetland and dry detention areas south of Ferry Road.
- h. Reducing the number of locations requiring periodic inspection and maintenance by combining as many of the existing culverts through the berm on the east side of the school property into a single outfall.
- i. Installing backflow preventers in the drainage pipes under Ferry Road to prevent the detention ponds from backing up onto the school property.
- j. Provide a new outfall from the detention basins that does not connect to the Tollway drainage system and remove the existing connection.

5. Determination of Action Items

The following action items were committed to by the respective agency:

- a. CUSD 200
 - (1) The School District will survey the existing berm along the river east of the school and determine actual top of berm elevations.
 - (2) The School District will pursue improvements to raise the berm to the intended design height.
 - (3) The School District will consider reducing the number of culverts through the berm by combining them.
 - (4) The School District will replace the missing flap gates on the outfall pipes draining from the school to the river.



b. Tollway

- (1) The Tollway will replace the missing 36-inch flap gate at the outfall of their drainage system located on the northwestern side of where I-88 crosses the West Branch DuPage River. The Tollway committed to providing the City a time frame for addressing this item within the next week.
- (2) The Tollway, through AECOM to Strand, will keep the City informed of the progress of this work.

c. DuPage County

- (1) DuPage County will clean pipes and outfalls filled with debris, including locating and uncovering the detention basin outflow headwall. The County indicated this work would take place within two weeks.
- (2) DuPage County will evaluate the existing 12-inch diameter culvert separating the two detention ponds. They will verify this pipe was associated with the design of the basins and that it is not causing unintended restriction.

d. City of Warrenville

- (1) The City will survey areas of the berm separating the West Branch DuPage River, Tollway property, and the County detention ponds.
- (2) The City will write a letter to Paul Kovacs and copy John Benda and Richard Milburn requesting the Tollway grant the City access to their drainage facilities to perform routine inspections.

e. Strand Associates, Inc.

On the behalf of the City, Strand will act as the intermediary and provide information collected by each of the various agencies to each of the other interested parties.

If there are any additions and/or comments, please call me at (815) 744-4200.

Prepared by Nick Orf, and respectfully submitted to all in attendance.

c: All Participants

