

Flood Control System

8th Avenue Bridge

July, 2016



CEDAR RAPIDS

FLOOD | **CONTROL
SYSTEM**

STRENGTHENING OUR COMMUNITY

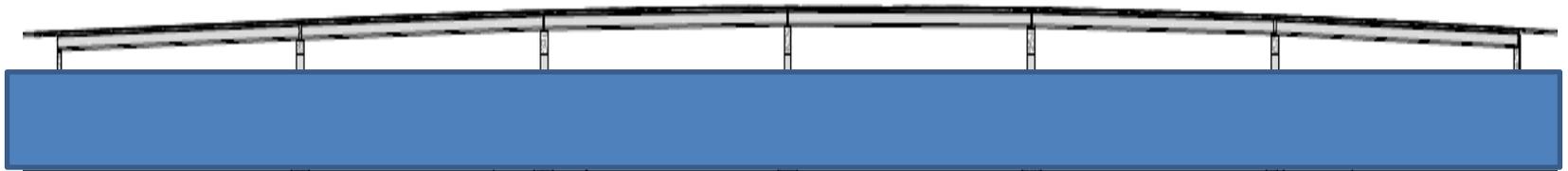


8th Avenue

Plan today: System of gates at 8th Ave Bridge



New Bridge During Flood Event



NEW BRIDGE

- Able to clear flood control fewer piers
- Improved river hydraulics
- Usable in flood events

EXISTING BRIDGE

- Bridge Structure submerged
- Poor hydraulics
- Useless in flood event



CEDAR RAPIDS

FLOOD | CONTROL
SYSTEM

STRENGTHENING OUR COMMUNITY

Summary of Benefits

- Preserve connection to two dry sides of the river during flood emergency
- Preserve access to hospitals, police department, and interstate connection
- Life expectancy of bridge coincides with FCS timeline (Bridge will need to be replaced shortly after completion of FCS)
- Save money by eliminating flood gate at 8th Avenue
- Dual use: flood protection + new bridge



CEDAR RAPIDS

FLOOD | **CONTROL**
SYSTEM

STRENGTHENING OUR COMMUNITY

Design Details

Integral Flood Wall/Bridge Abutments

Downtown Cedar Rapids

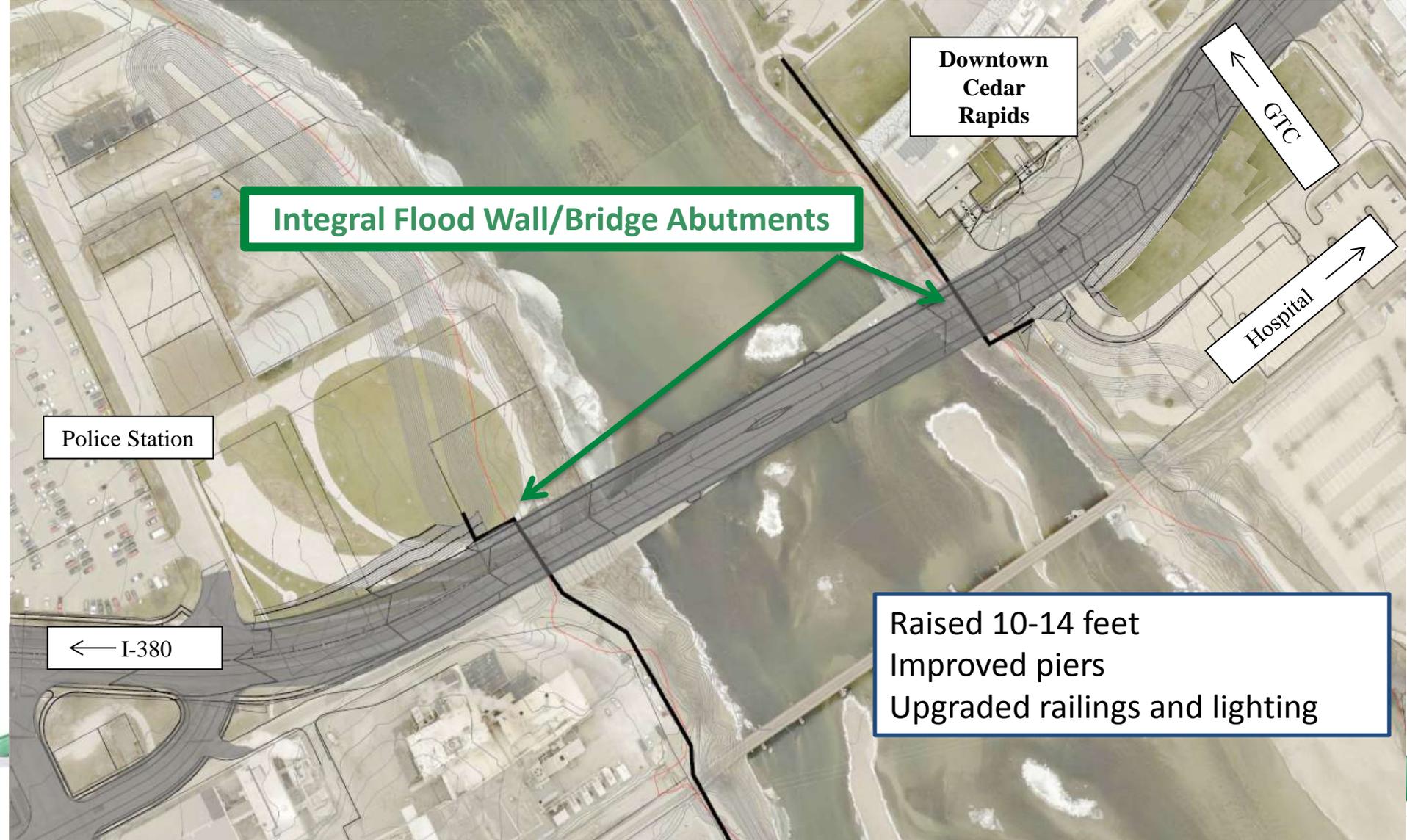
GTC

Hospital

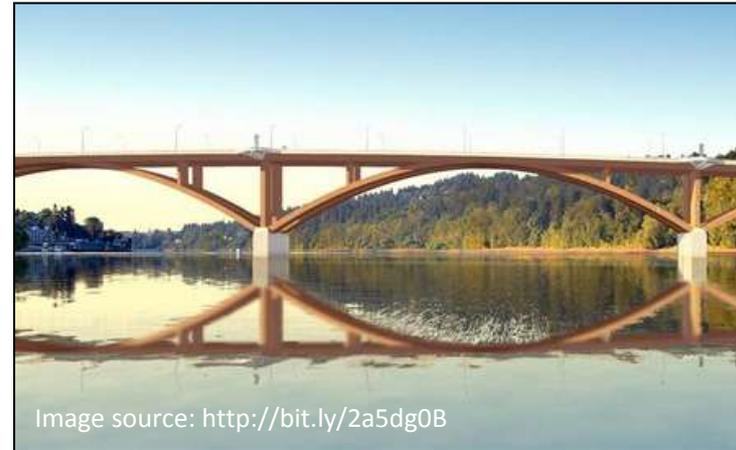
Police Station

I-380

Raised 10-14 feet
Improved piers
Upgraded railings and lighting



Aesthetic Opportunities



GRI participation:
moderate level of
aesthetics

City funding: above
and beyond aesthetics

Project Timeline

- Concurrence by Flood Mitigation Board.....June, 2016
- Flood Control Committee.....July, 2016
- City Council Approval
 - Addition to Flood Control System Master Plan.....August 9, 2016
 - Approve contract for Preliminary Design 8th Ave.....August 9, 2016
- Utility Relocations.....2018-2019
- Bridge Construction.....2020-2022

