Iowa City Gateway

Welcome!

Tonight's Meeting

Agenda:

- 4:30 – 5:30 Open house
- 5:30 – Brief presentation followed by Q&A
- 6:15 – 7:00 Open house

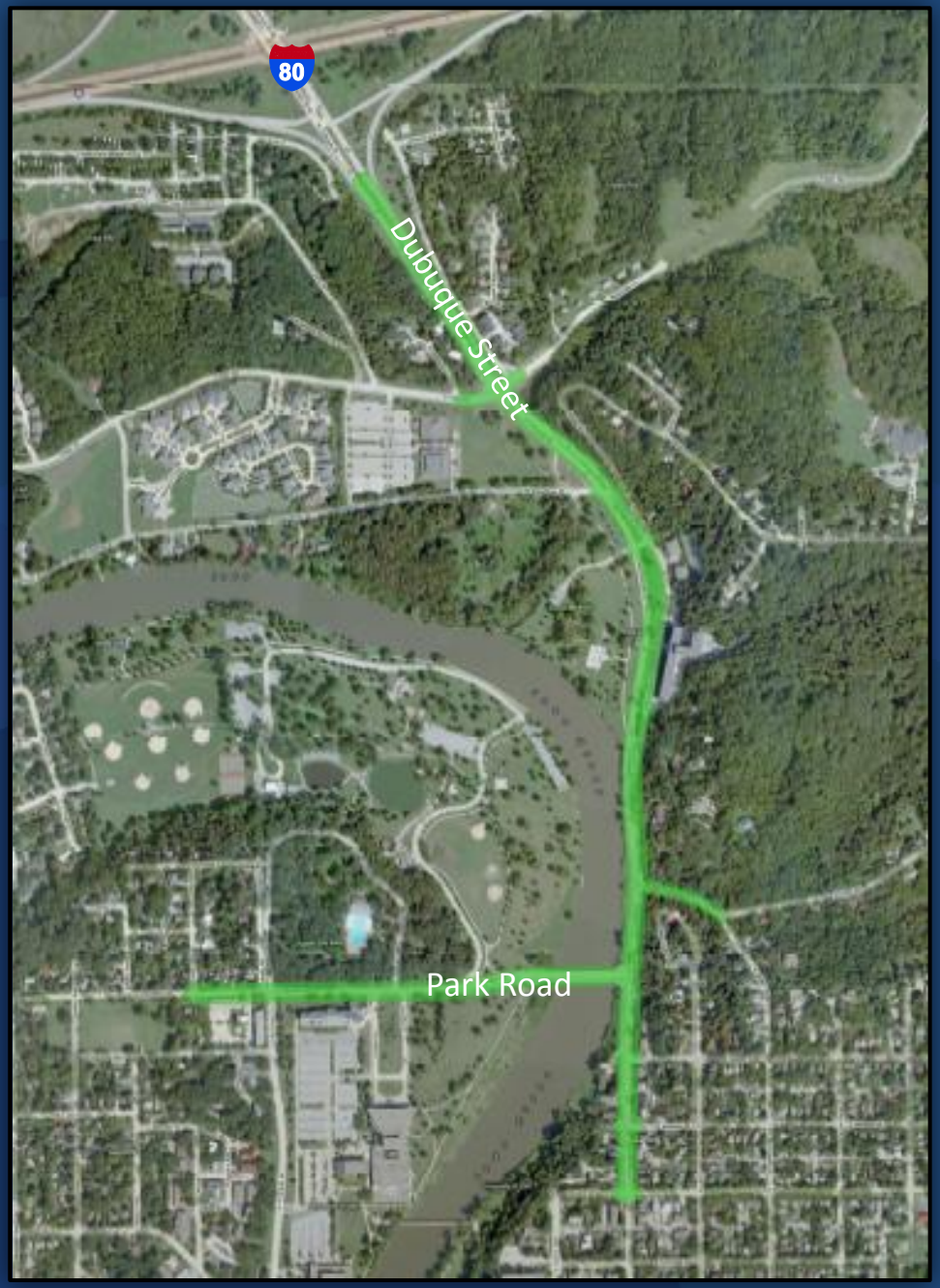
Hear your input on:

- Alternatives selected for further analysis, and
- Screening criteria

Project Area

Dubuque Street carries 25,000 vehicles a day between I-80 and:

- Downtown
- University of Iowa Campus
- Three hospitals



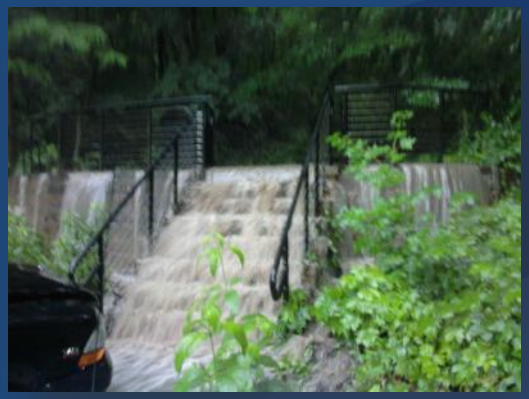
Project Need - Historic Floods

New HEC-RAS models

- Calibrated with data from 2008 flood
- Updated cross sections
- Incorporated all proposed and constructed flood mitigation projects

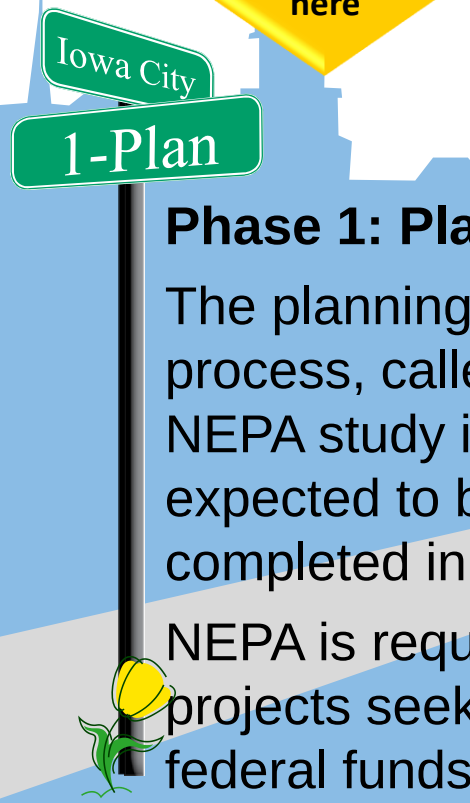
Key finding: Raising Park Road Bridge will lower the water surface elevation upstream.

Project Need - Flash Floods



- Elevate Dubuque Street
- Improve storm sewers
- Increase storage

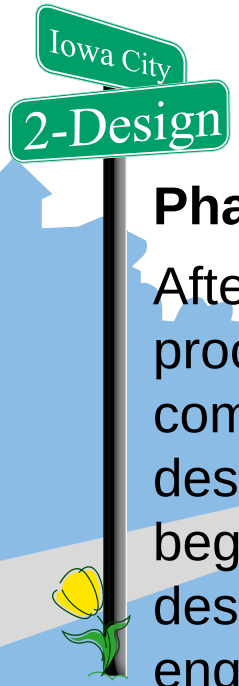
Project Overview



Phase 1: Plan

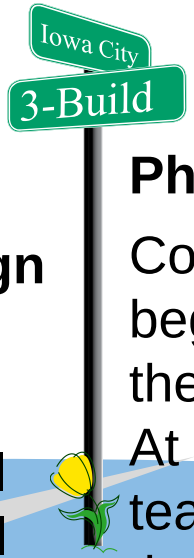
The planning process, called a NEPA study is expected to be completed in 2012.

NEPA is required for projects seeking federal funds or permits.



Phase 2: Design

After the NEPA process is completed, final design work will begin. Detailed design and engineering will take approximately 18 to 20 months.

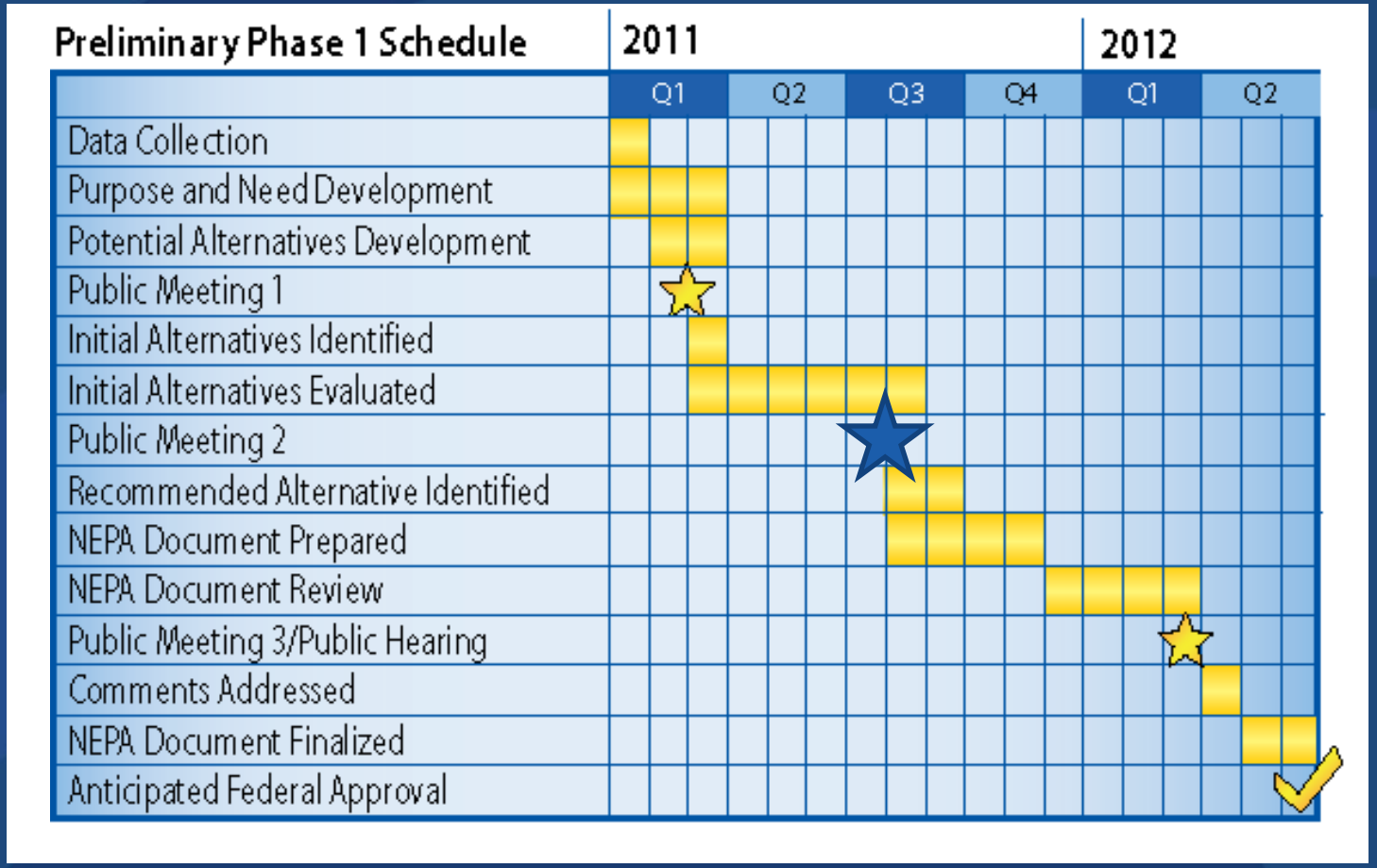


Phase 3: Build

Construction could begin as early as the spring of 2014. At this time, the team estimates that work will take approximately two construction seasons.

Phase 1 - Plan


Iowa City
1-Plan


Preliminary Phase 1 Schedule
2011
2012
Q1
Q2
Q3
Q4
Q1
Q2
Data Collection
Purpose and Need Development
Potential Alternatives Development
Public Meeting 1
Initial Alternatives Identified
Initial Alternatives Evaluated
Public Meeting 2
Recommended Alternative Identified
NEPA Document Prepared
NEPA Document Review
Public Meeting 3/Public Hearing
Comments Addressed
NEPA Document Finalized
Anticipated Federal Approval

Project Purpose & Need

Purpose of the Proposed Action:

- Provide a reliable multimodal transportation corridor that reduces the impact of flooding on the local transportation system and the Iowa River corridor.

Need for the Proposed Action:

- Maximize the reliability of Dubuque Street
- Maximize the reliability of Park Road Bridge
- Minimize backwater created by Park Road Bridge
- Address roadway deficiencies on Dubuque Street and Park Road

Roadway Alternatives

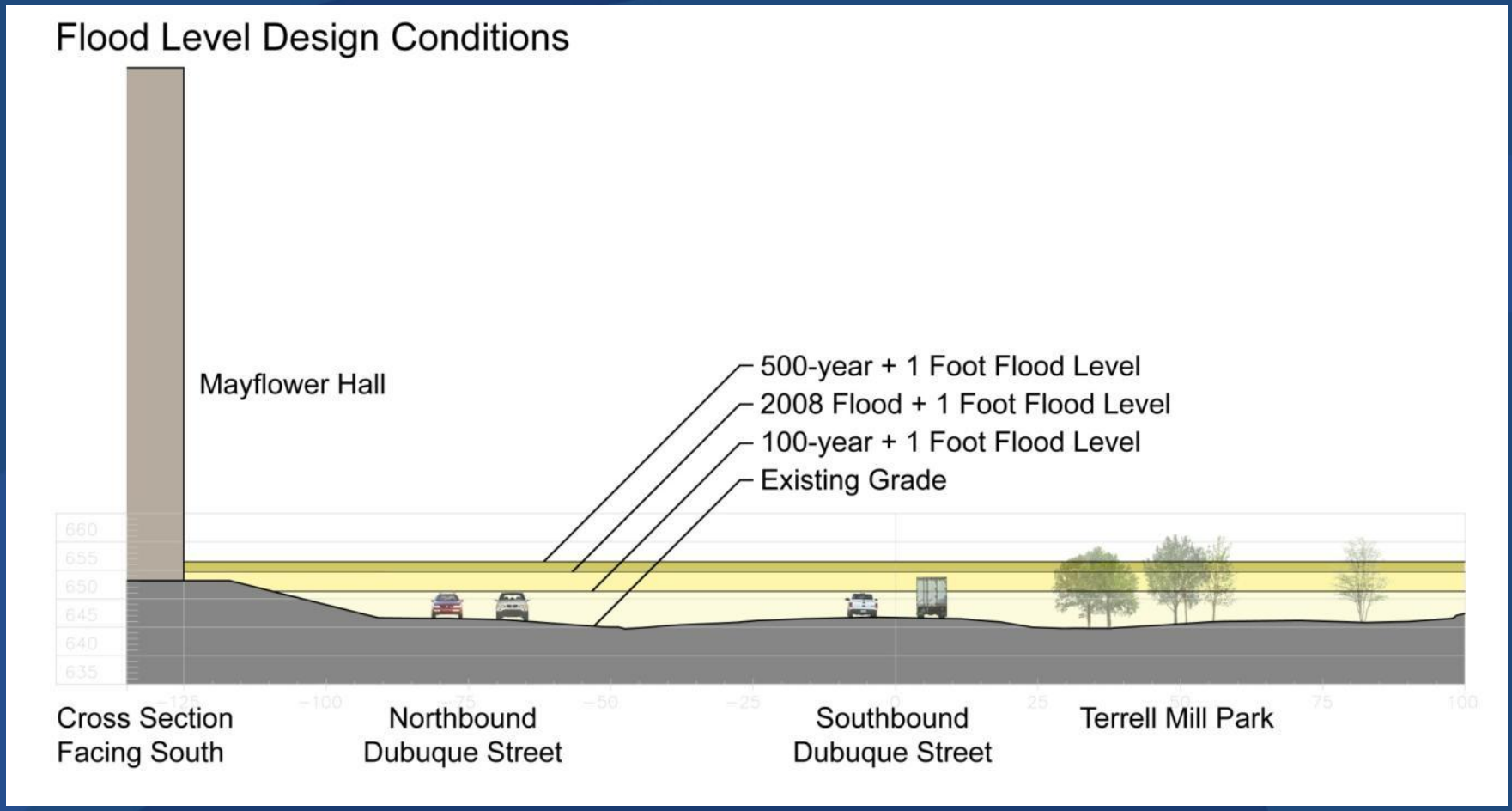
Goals / Screening Criteria

- Bicycles and pedestrians
- Constructability
- Cost
- Emergency access
- Flood impacts
- Gateway
- Green options
- Park Road/Dubuque Street
- Parks, historic structures and sites
- Transit

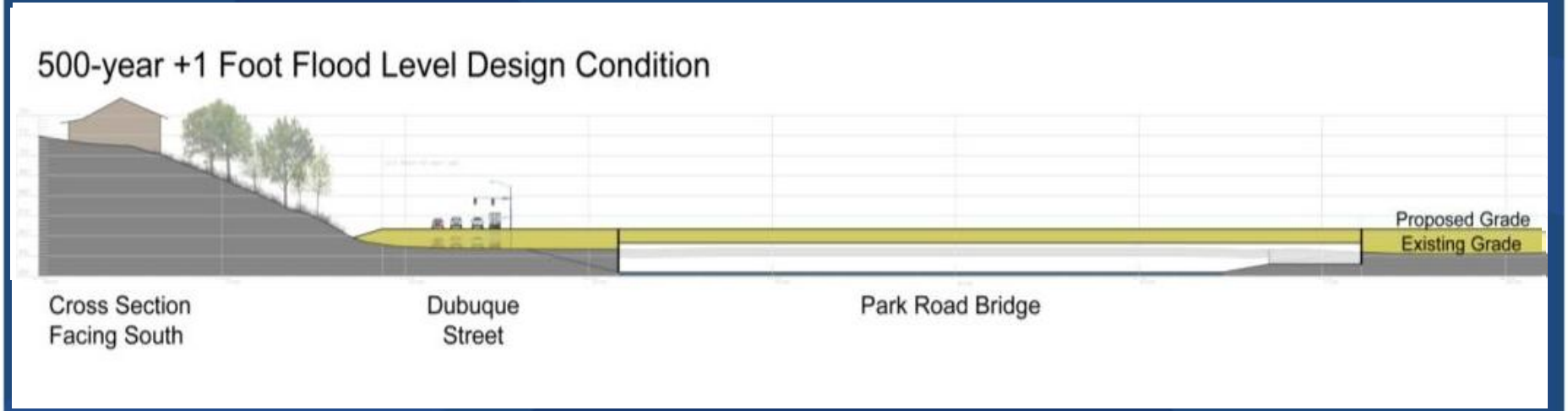
Initial Alternatives

- No-Build
- System management
- Improve alternate routes
- Off existing alignment
- Raise Dubuque Street & Park Road Bridge:
  - One foot above 2008 flood level
  - One foot above 500 year flood
  - Combination of one foot above 500 and 100 year flood

Elevations at Mayflower Residence Hall



Elevations at Park Road



Park Road Bridge Alternatives

Goals/Screening Criteria

- Construction Closures
- Construction Location
- Cost/Complexity
- Dubuque Street Elevation
- Footprint
- Maintenance
- River Impacts
- Traffic Flow
- Speed of Construction
- Vandalism
- Viewshed

Bridge Alternatives

- Above deck
  - Below deck
  - Other variations
- Cable stayed
- Extradosed
- Girder
  - Steel or concrete
  - Haunched or constant depth
- Suspension
- Segmental

Park Road Bridge Alternatives

- Cable stayed
- Girder
- Spandrel arch

A new Park Road Bridge:

- Would be higher above the river than the existing bridge
- Would require raising the intersection of Park Road and Dubuque Street
- Could allow traffic to use the existing bridge during construction

Cable Stay

Steel or concrete

Similar to Mississippi River Bridge in Burlington, Iowa

Girder Bridge

Steel and concrete

Similar to existing Park Road Bridge

Open Spandrel Arch

Steel or concrete

Similar to Iowa Avenue Bridge

We need your input

What do you think?

- Talk with a team member during the open house
- Fill out a comment form
- Fill out an online survey

or

- Ask a question during Q&A

Need detailed info?

- Talk with a team member during the open house
- Fill out a question card; City staff will be in touch with you personally

or

- Submit a question via the web site

www.iowacitygateway.org