REBUILD BY DESIGN

MEADOWLANDS

CITIZEN ADVISORY GROUP (CAG) MEETING #3

Public Scoping Results

Alternatives Screening Criteria and Metrics

FLOOD PROTECTION PROJECT

Boroughs of Little Ferry, Moonachie, Carlstadt, and Teterboro, and the Township of South Hackensack in Bergen County, New Jersey

August 11, 2016

PREPARED BY AECOM

Español 中文:繁體版 Việt-ngữ 한국어 Tagalog
Português العربية Kreyòl ગુજરાતી Italiano Polski
www.renewjerseystronger.org

Table of Contents

1.0 Power Point Presentation 3

2.0 Initial Screening Criteria Matrix 13

3.0 Personal Notes.....17

List of Acronyms

BCR	Benefit/Cost Ratio
CAG	Citizen Advisory Group
CDBG-DR	Community Development Block Grant – Disaster Recovery
EFH	Essential Fish Habitat
EIS	Environmental Impact Statement
GHG	Greenhouse Gas Emissions
HUD	Department of Housing and Urban Development
NEPA	National Environmental Policy Act
NJDEP	New Jersey Department of Environmental Protection
RBD	Rebuild by Design
RBDM	Rebuild by Design Meadowlands
WO	Work Order

This Page Intentionally Left Blank.

Agenda

Public Scoping Results
Alternatives Screening Criteria & Metrics

6-8 PM
August 11, 2016
Port Authority Conference Room
90 Moonachie Ave
Teterboro NJ 07608

- Welcome

- Project Status Review and Meeting Objectives – Linda Fisher, Project Team Manager, Rebuild by Design Meadowlands Flood Protection Project, NJDEP
    - Project Status Update
    - Meeting Objectives
        - Results of Public Scoping (20 June – 21 July 2016)
        - Initial Screening Criteria Matrix – Criteria & Metrics

- NEPA Process Updates and Input - Brian W. Boose, NEPA Regional Director, AECOM
    - Public Scoping Results
    - Initial Screening Criteria Matrix – CAG Review and Input
        - Review and discuss screening criteria
        - Review and discuss metrics for each criterion

- Next Steps

- Q&A/Closure

This Page Intentionally Left Blank.

1.0 Power Point Presentation

This Page has been Intentionally Left Blank.

REBUILD BY DESIGN

MEADOWLANDS

FLOOD PROTECTION PROJECT

Boroughs of Little Ferry, Moonachie, Carlstadt, and Teterboro, and the Township of South Hackensack in Bergen County, New Jersey

August 11, 2016

CITIZEN ADVISORY GROUP (CAG) MEETING #3

Public Scoping Results Alternatives Screening Criteria and Metrics

AGENDA

2

1. Project Status Review and Meeting Objectives
2. Review and Discuss Public Scoping Results
3. Review and Discuss Initial Screening Criteria
4. Next Steps
5. Questions and Answers / Closure

1 PROJECT STATUS REVIEW AND MEETING OBJECTIVES

3

Linda Fisher, NJDEP, RBDM Project Team Manager

Meeting Objectives:

- Provide Project Status Update
- Review results of Public Scoping (June 20 to July 21, 2016)
- Initial Screening Criteria – obtain input from the CAG tonight
  - Screening criteria (opportunities/constraints/objectives)
  - Metrics for each criterion

Input will be used to further develop the Initial Screening Criteria.

REBUILD BY DESIGN MEADOWLANDS AECOM

1 PROJECT STATUS REVIEW AND MEETING OBJECTIVES

4

Project status update:

- Introduce Kim McEvoy, NJDEP, RBD Environmental Team Manager
- Public Scoping Comment Period closed on July 21, 2016
  - Reviewing received comments
  - Developing Final Public Scoping Document
  - Developing the Public Scoping Summary Report
- Developing the Preliminary Draft EIS
- Monthly newsletter has started – posted on website!
- Concept Alternatives Development (WO #3) underway
  - Developing initial concepts for further screening and review

REBUILD BY DESIGN MEADOWLANDS AECOM

2 PUBLIC SCOPING RESULTS

5

Brian W. Boose, AECOM NEPA Regional Director

Results of the Public Scoping Process:

- Total comments received (83)
- Total commenters (24)
- Federal agencies, local organizations, private citizens, and universities

Main topics:

- Technical Resource Areas (33)
- Build Alternatives (19)
- Proposed Action (19)
- Public Scoping / Outreach (7)
- Purpose and Need (3)
- Cumulative Effects (2)

2 PUBLIC SCOPING RESULTS

6

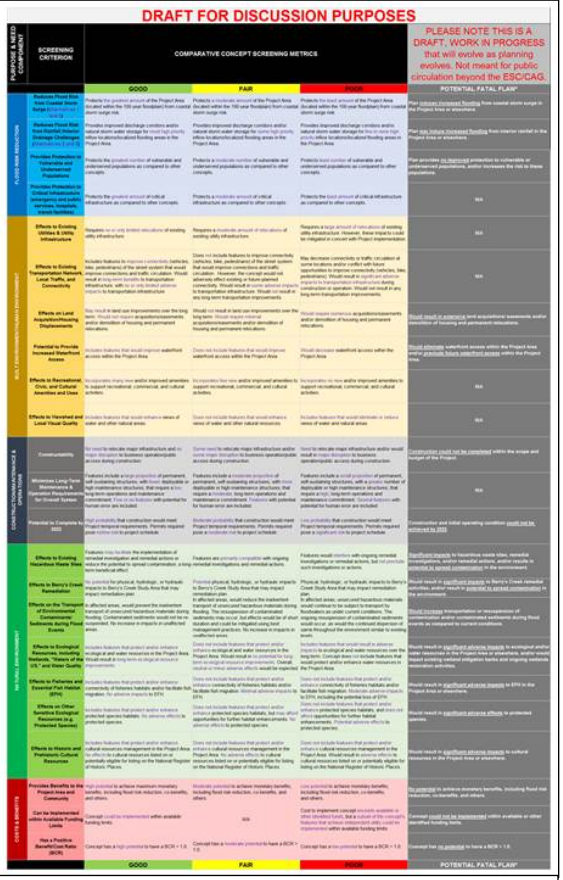
Resource areas receiving most comment, in order:

- Biological Resources (17)
- Water Resources, Water Quality, and Waters of the U.S. (6)
- Hazards and Hazardous Materials (4)
- Hydrology and Flooding (3)
- Recreation (1)
- Cultural and Historic resources (1)
- Visual Quality / Aesthetics (1)
- Socioeconomics and Community / Population and Housing
- Environmental Justice
- Transportation and Circulation
- Noise
- Air Quality
- Greenhouse Gas Emissions (GHG)
- Global Climate Change
- Utilities and Service Systems
- Public Services
- Geology and Soils
- Coastal Zone Management
- Mineral and Energy Resources
- Agricultural Resources and Prime Farmlands

3 INITIAL SCREENING CRITERIA WORKSHOP

Initial Screening Criteria Matrix, including criteria and metrics:

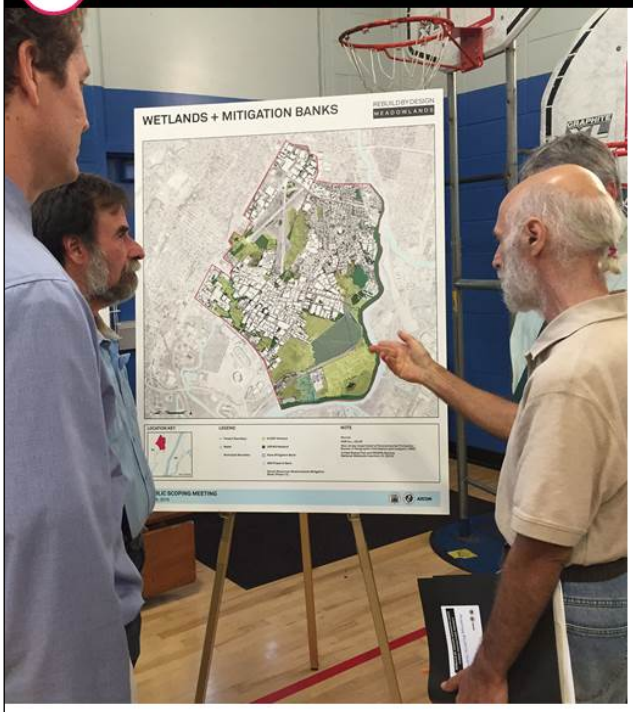
- Draft (see handout)
- Used to evaluate concepts
- Will lead to the identification of the Build Alternatives



REBUILD BY DESIGN MEADOWLANDS

3 INITIAL SCREENING CRITERIA WORKSHOP

8



Group "Whiteboard Review"

- Are any criteria not needed?
- Are we missing any criteria?
- Are the metrics for each criterion accurate?

REBUILD BY DESIGN MEADOWLANDS

AECOM

4 NEXT STEPS

9

Linda Fisher, NJDEP Project Manager

NJDEP / AECOM upcoming activities:

- Prepare Meeting Summary for this meeting
- Continue developing:
  - Initial Alternatives and Concepts
  - Final Public Scoping Document
  - Public Scoping Summary Report
  - Preliminary Draft EIS
- Update and refine Initial Screening Criteria Matrix

4 NEXT STEPS

10

CAG: Call to Action

- Submit comments by August 19, 2016 on Initial Screening Criteria Matrix at rbd-meadowlands@dep.nj.gov
- Review and comment on Meeting Summary for this meeting
- Share information from this Meeting with friends and neighbors
- Educate your friends and colleagues on the project and NEPA process
- Continue to build interest in the Project
- Continue obtaining information, ideas, and potential concerns from constituents
- Ensure the public knows about upcoming information (to be posted on Project website)

4 NEXT STEPS

11

Critical Schedule Dates (approximate):

Tuesday, September 20
CAG Meeting #4: Concept Screening (tentative)

Tuesday, October 24
CAG Meeting #5: Concept Alternatives (tentative)

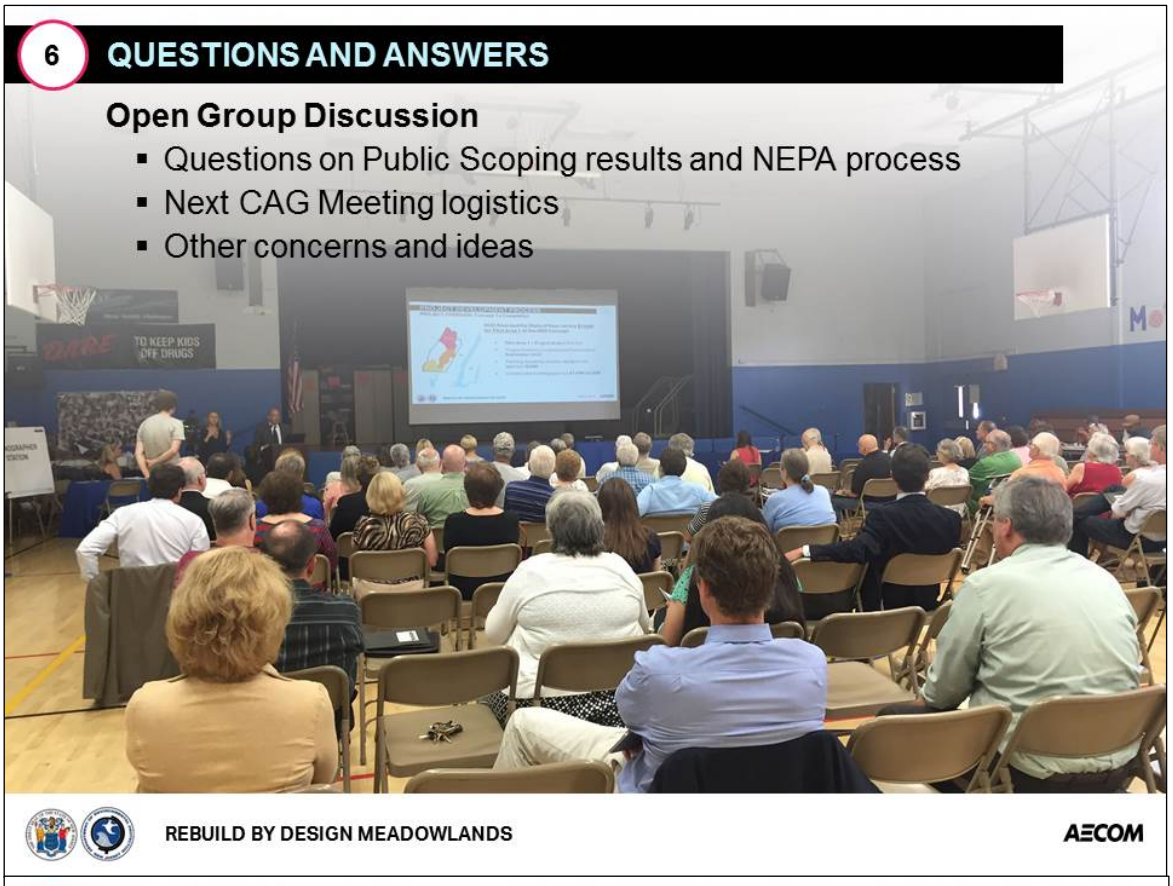
5 KEY CONTACT INFORMATION AND COMMUNICATION

12

Dennis Reinknecht	*NJDEP, RBD Program Manager*
Linda Fisher	*NJDEP, RBDM Project Team Manager*
Alexis Taylor	*NJDEP, RBD Outreach Team Leader*
Robert Marcolina	*NJDEP, RBDM Project Manager*
Kim McEvoy	*NJDEP, RBD Environmental Team Leader*
Christopher Benosky	*AECOM, RBD Program Manager*
Garrett Avery	*AECOM, RBD Project Manager*
Brian W. Boose	*AECOM, NEPA Project Director*
Jennifer Warf	*AECOM, Deputy Project Manager*
Brian Beckenbaugh	*AECOM, Outreach*
Alyson Beha	*HUD, Region II Senior Regional Planner*

Website: www.rbd-meadowlands.nj.gov *E-mail:* rbd-meadowlands@dep.nj.gov

The NJDEP will be the key agency responsible for receiving, publicly distributing (including via the CAG), and coordinating all information relative to this NEPA process.


6
QUESTIONS AND ANSWERS
Open Group Discussion
Questions on Public Scoping results and NEPA process
Next CAG Meeting logistics
Other concerns and ideas
REBUILD BY DESIGN MEADOWLANDS
AECOM


6
CLOSURE
Thank you for participating!
REBUILD BY DESIGN MEADOWLANDS
AECOM

This Page has been Intentionally Left Blank.

2.0 Initial Screening Criteria Matrix

This Page has been Intentionally Left Blank.

DRAFT FOR DISCUSSION PURPOSES

PURPOSE & NEED COMPONENT	SCREENING CRITERION	COMPARATIVE CONCEPT SCREENING METRICS			PLEASE NOTE THIS IS A DRAFT, WORK IN PROGRESS that will evolve as planning evolves. Not meant for public circulation beyond the ESC/CAG.
		GOOD	FAIR	POOR	POTENTIAL FATAL FLAW*
FLOOD RISK REDUCTION	**Reduces Flood Risk from Coastal Storm Surge (Alternatives 1 and 3)**	Protects the greatest amount of the Project Area (located within the 100-year floodplain) from coastal storm surge risk.	Protects a moderate amount of the Project Area (located within the 100-year floodplain) from coastal storm surge risk.	Protects the least amount of the Project Area (located within the 100-year floodplain) from coastal storm surge risk.	**Plan induces increased flooding from coastal storm surge in the Project Area or elsewhere.**
FLOOD RISK REDUCTION	**Reduces Flood Risk from Rainfall /Interior Drainage Challenges (Alternatives 2 and 3)**	Provides improved discharge corridors and/or natural storm water storage for most high priority inflow locations/localized flooding areas in the Project Area.	Provides improved discharge corridors and/or natural storm water storage for some high priority inflow locations/localized flooding areas in the Project Area.	Provides improved discharge corridors and/or natural storm water storage for few to none high priority inflow locations/localized flooding areas in the Project Area.	**Plan may induce increased flooding from interior rainfall in the Project Area or elsewhere.**
FLOOD RISK REDUCTION	**Provides Protection to Vulnerable and Underserved Populations**	Protects the greatest number of vulnerable and underserved populations as compared to other concepts.	Protects a moderate number of vulnerable and underserved populations as compared to other concepts.	Protects least number of vulnerable and underserved populations as compared to other concepts.	**Plan provides no improved protection to vulnerable or underserved populations, and/or increases the risk to these populations.**
FLOOD RISK REDUCTION	**Provides Protection to Critical Infrastructure (emergency services, hospitals, transit facilities)**	Protects the greatest amount of critical infrastructure as compared to other concepts.	Protects a moderate amount of critical infrastructure as compared to other concepts.	Protects the least amount of critical infrastructure as compared to other concepts.	**N/A**
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	**Effects to Existing Utilities & Utility Infrastructure**	Requires no or only limited relocations of existing utility infrastructure.	Requires a moderate amount of relocations of existing utility infrastructure.	Requires a large amount of relocations of existing utility infrastructure. However, these impacts could be mitigated in concert with Project implementation.	**N/A**
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	**Effects to Existing Transportation Network, Local Traffic, and Connectivity**	Includes features to improve connectivity (vehicles, bike, pedestrians) of the street system that would improve connections and traffic circulation. Would result in long-term benefits to transportation infrastructure, with no or only limited adverse impacts to transportation infrastructure.	Does not include features to improve connectivity (vehicles, bike, pedestrians) of the street system that would improve connections and traffic circulation. However, the concept would not adversely effect existing or future-planned connectivity. Would result in some adverse impacts to transportation infrastructure. Would not result in any long-term transportation improvements.	May decrease connectivity or traffic circulation at some locations and/or conflict with future opportunities to improve connectivity (vehicles, bike, pedestrians). Would result in significant adverse impacts to transportation infrastructure during construction or operation. Would not result in any long-term transportation improvements.	**N/A**
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	**Effects on Land Acquisition/Housing Displacements**	May result in land use improvements over the long term. Would not require acquisitions/easements and/or demolition of housing and permanent relocations.	Would not result in land use improvements over the long term. Would require minimal acquisitions/easements and/or demolition of housing and permanent relocations.	Would require numerous acquisitions/easements and/or demolition of housing and permanent relocations.	**Would result in extensive land acquisitions/ easements and/or demolition of housing and permanent relocations.**
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	**Potential to Provide Increased Waterfront Access**	Includes features that would improve waterfront access within the Project Area.	Does not include features that would improve waterfront access within the Project Area.	Would decrease waterfront access within the Project Area.	**Would eliminate waterfront access within the Project Area and/or preclude future waterfront access within the Project Area.**
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	**Effects to Recreational, Civic, and Cultural Amenities and Uses**	Incorporates many new and/or improved amenities to support recreational, commercial, and cultural activities.	Incorporates few new and/or improved amenities to support recreational, commercial, and cultural activities.	Incorporates no new and/or improved amenities to support recreational, commercial, and cultural activities.	**N/A**
BUILT ENVIRONMENT/HUMAN ENVIRONMENT	**Effects to Viewshed and Local Visual Quality**	Includes features that would enhance views of water and other natural areas.	Does not include features that would enhance views of water and other natural resources.	Includes features that would eliminate or reduce views of water and natural areas.	**N/A**
CONSTRUCTION/ MAINTENANCE & OPERATIONS	**Constructability**	No need to relocate major infrastructure and no major disruption to business operation/public access during construction.	Some need to relocate major infrastructure and/or some major disruption to business operation/public access during construction.	Need to relocate major infrastructure and/or would result in major disruption to business operation/public access during construction.	**Construction could not be completed within the scope and budget of the Project.**
CONSTRUCTION/ MAINTENANCE & OPERATIONS	**Minimizes Long-Term Maintenance & Operation Requirements for Overall System**	Features include a large proportion of permanent, self-sustaining structures, with fewer deployable or high maintenance structures, that require a low, long-term operations and maintenance commitment. Few or no features with potential for human error are included.	Features include a moderate proportion of permanent, self-sustaining structures, with more deployable or high maintenance structures, that require a moderate, long-term operations and maintenance commitment. Features with potential for human error are included.	Features include a small proportion of permanent, self-sustaining structures, with a greater number of deployable or high maintenance structures, that require a high, long-term operations and maintenance commitment. Several features with potential for human error are included.	**N/A**
CONSTRUCTION/ MAINTENANCE & OPERATIONS	**Potential to Complete by 2022**	High probability that construction would meet Project temporal requirements. Permits required pose no/low risk to project schedule.	Moderate probability that construction would meet Project temporal requirements. Permits required pose a moderate risk to project schedule.	Low probability that construction would meet Project temporal requirements. Permits required pose a significant risk to project schedule.	**Construction and initial operating condition could not be achieved by 2022.**
NATURAL ENVIRONMENT	**Effects to Existing Hazardous Waste Sites**	Features may facilitate the implementation of remedial investigation and remedial actions or reduce the potential to spread contamination, a long-term beneficial effect.	Features are primarily compatible with ongoing remedial investigations and remedial actions.	Features would interfere with ongoing remedial investigations or remedial actions, but not preclude such investigations or actions.	**Significant impacts to hazardous waste sites, remedial investigations, and/or remedial actions, and/or results in potential to spread contamination in the environment.**
NATURAL ENVIRONMENT	**Effects to Berry's Creek Remediation**	No potential for physical, hydrologic, or hydraulic impacts to Berry's Creek Study Area that may impact remediation plan.	Potential physical, hydrologic, or hydraulic impacts to Berry's Creek Study Area that may impact remediation plan.	Physical, hydrologic, or hydraulic impacts to Berry's Creek Study Area that may impact remediation plan.	**Would result in significant impacts to Berry's Creek remedial activities, and/or result in potential to spread contamination in the environment.**
NATURAL ENVIRONMENT	**Effects on the Transport of Environmental Contaminants/ Sediments during Flood Events**	In affected areas, would prevent the inadvertent transport of unsecured hazardous materials during flooding. Contaminated sediments would not be re-suspended. No increase in impacts in unaffected areas.	In affected areas, would reduce the inadvertent transport of unsecured hazardous materials during flooding. The resuspension of contaminated sediments may occur, but effects would be of short duration and could be mitigated using best management practices. No increase in impacts in unaffected areas.	In affected areas, unsecured hazardous materials would continue to be subject to transport by floodwaters as under current conditions. The ongoing resuspension of contaminated sediments would occur, as would the continued dispersion of same throughout the environment similar to existing levels.	**Would increase transportation or resuspension of contamination and/or contaminated sediments during flood events as compared to current conditions.**
NATURAL ENVIRONMENT	**Effects to Ecological Resources, including Wetlands, "Waters of the US," and Water Quality**	Includes features that protect and/or enhance ecological and water resources in the Project Area. Would result in long-term ecological resource improvements.	Does not include features that protect and/or enhance ecological and water resources in the Project Area. Would result in no potential for long-term ecological resource improvements. Overall, neutral or minor adverse effects would be expected.	Includes features that would result in adverse impacts to ecological and water resources over the long term. Concept does not include features that would protect and/or enhance water resources in the Project Area.	**Would result in significant adverse impacts to ecological and/or water resources in the Project Area or elsewhere, and/or would impact existing wetland mitigation banks and ongoing wetlands restoration activities.**
NATURAL ENVIRONMENT	**Effects to Fisheries and Essential Fish Habitat (EFH)**	Includes features that protect and/or enhance connectivity of fisheries habitats and/or facilitate fish migration. No adverse impacts to EFH.	Does not include features that protect and/or enhance connectivity of fisheries habitats and/or facilitate fish migration. Minimal adverse impacts to EFH.	Does not include features that protect and/or enhance connectivity of fisheries habitats and/or facilitate fish migration. Moderate adverse impacts to EFH, including the potential loss of EFH.	**Would result in significant adverse impacts to EFH in the Project Area or elsewhere.**
NATURAL ENVIRONMENT	**Effects on Other Sensitive Ecological Resources (e.g. Protected Species)**	Includes features that protect and/or enhance protected species habitats. No adverse effects to protected species.	Does not include features that protect and/or enhance protected species habitats, but may afford opportunities for further habitat enhancements. No adverse effects to protected species.	Does not include features that protect and/or enhance protected species habitats, and does not afford opportunities for further habitat enhancements. Potential adverse effects to protected species.	**Would result in significant adverse effects to protected species.**
NATURAL ENVIRONMENT	**Effects to Historic and Prehistoric Cultural Resources**	Includes features that protect and/or enhance cultural resources management in the Project Area. No effects to cultural resources listed on or potentially eligible for listing on the National Register of Historic Places.	Does not include features that protect and/or enhance cultural resources management in the Project Area. No adverse effects to cultural resources listed on or potentially eligible for listing on the National Register of Historic Places.	Does not include features that protect and/or enhance cultural resources management in the Project Area. Would result in adverse effects to cultural resources listed on or potentially eligible for listing on the National Register of Historic Places.	**Would result in significant adverse impacts to cultural resources in the Project Area or elsewhere.**
COSTS & BENEFITS	**Provides Benefits to the Project Area and Community**	High potential to achieve maximum monetary benefits, including flood risk reduction, co-benefits, and others.	Moderate potential to achieve monetary benefits, including flood risk reduction, co-benefits, and others.	Low potential to achieve monetary benefits, including flood risk reduction, co-benefits, and others.	**No potential to achieve monetary benefits, including flood risk reduction, co-benefits, and others.**
COSTS & BENEFITS	**Can be Implemented within Available Funding Limits**	Concept could be implemented within available funding limits.	N/A	Cost to implement concept exceeds available or other identified funds, but a subset of the concept's features that achieve independent utility could be implemented within available funding limits.	**Concept could not be implemented within available or other identified funding limits.**
COSTS & BENEFITS	**Has a Positive Benefit/Cost Ratio (BCR)**	Concept has a high potential to have a BCR > 1.0.	Concept has a moderate potential to have a BCR > 1.0.	Concept has a low potential to have a BCR > 1.0.	**Concept has no potential to have a BCR > 1.0.**
		GOOD	FAIR	POOR	POTENTIAL FATAL FLAW*
PURPOSE & NEED COMPONENT	SCREENING CRITERION	COMPARATIVE CONCEPT SCREENING METRICS			PLEASE NOTE THIS IS A DRAFT, WORK IN PROGRESS that will evolve as planning evolves. Not meant for public circulation beyond the ESC/CAG.

This Page has been Intentionally Left Blank.

3.0 Personal Notes