

# BrDR Enhancement Selection Process



2023 RADBUG MEETING

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# Outline

- Definitions
- Backlog TAG
- Evaluation Process
- Backlog
- User Group Voting
- Task Force Directed Work

# Definitions

- Issue Types
  - Bug
  - Maintenance
  - Enhancement

# Definitions (Cont.)

- Bug
  - Issue which prevents the software from working the way it was originally designed to work

# Definitions (Cont.)

- Maintenance
  - Missing or improperly handled functionality or feature
  - Was not identified or scoped during development
  - Should be addressed

# Definitions (Cont.)

- Enhancement
  - New functionality
  - Improved usability
  - Expand the software feature set

# Backlog TAG

- Backlog Technical Advisory Group (TAG)
  - Created by the Task Force
  - Members
    - State Agency Members
    - Developer Members
- Assist with issue management and resolution
- Maintenance and Enhancement Issue Evaluation
  - “Maintenance” or “Enhancement” type
  - “Deferred” status

# Backlog TAG (Cont.)

- Evaluation Process
  - Impact
  - Categorize
  - Prioritize
  - Estimate



# Evaluation Process

	Urgent/ Short Term	Not Urgent/ Long Term
High Benefit/ High Impact	<p>Quadrant 1</p> <ul style="list-style-type: none"><li>• Urgent Bug Fix</li><li>• Critical Bug Fix</li></ul>	<p>Quadrant 2</p> <ul style="list-style-type: none"><li>• High Priority Bug Fix</li><li>• Low Priority Bug Fix</li><li>• Maintenance Item</li><li>• Multi-State Enhancement</li><li>• Task Force Directed Work</li></ul>
Low Benefit/ Low Impact	<p>Quadrant 3</p> <ul style="list-style-type: none"><li>• State Specific Enhancement</li><li>• Isolated Issues</li></ul>	<p>Quadrant 4</p> <ul style="list-style-type: none"><li>• Nice-to-Have Features</li><li>• Nominal Improvement to Existing Features</li></ul>

# Evaluation Process (Cont.)

- **Categorize**

- **Features**

- Analysis Engine, Bridge Explorer, Design Tool, Graphics, Library, etc. (26)

- **Bridge Components**

- Concrete Prestressed, Concrete Reinforced, Culvert, Steel, Substructure, etc. (15)

# Evaluation Process (Cont.)

- **Prioritize**
  - **Tier 1**
    - Must Have, Customer Expected
  - **Tier 2**
    - Desirable, Improved Performance
  - **Tier 3**
    - Attractive, Not Necessary but Improve Experience

# Evaluation Process (Cont.)

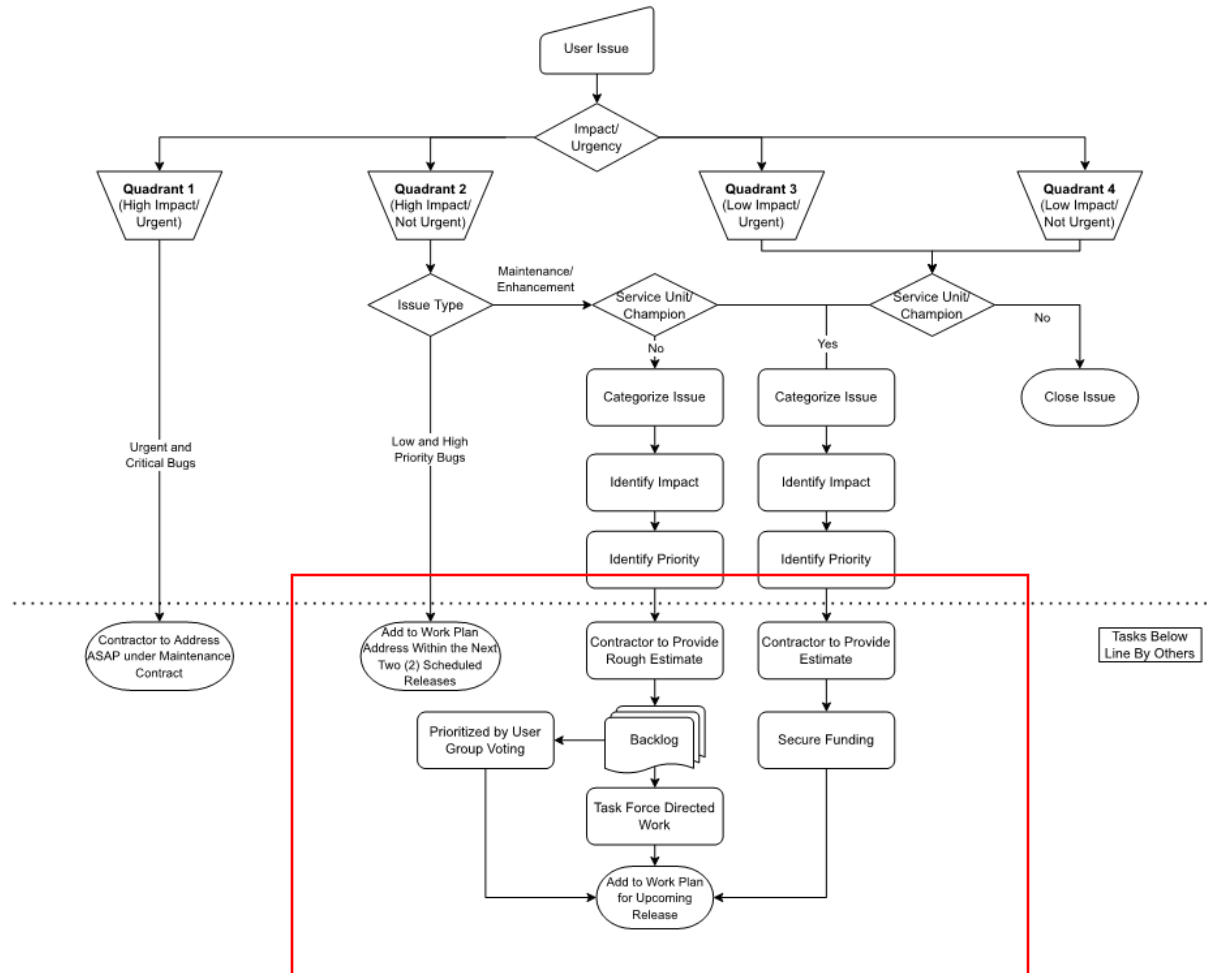
- Estimate
  - Mini
  - Small
  - Medium
  - Large
  - Extensive

# Evaluation Process (Cont.)

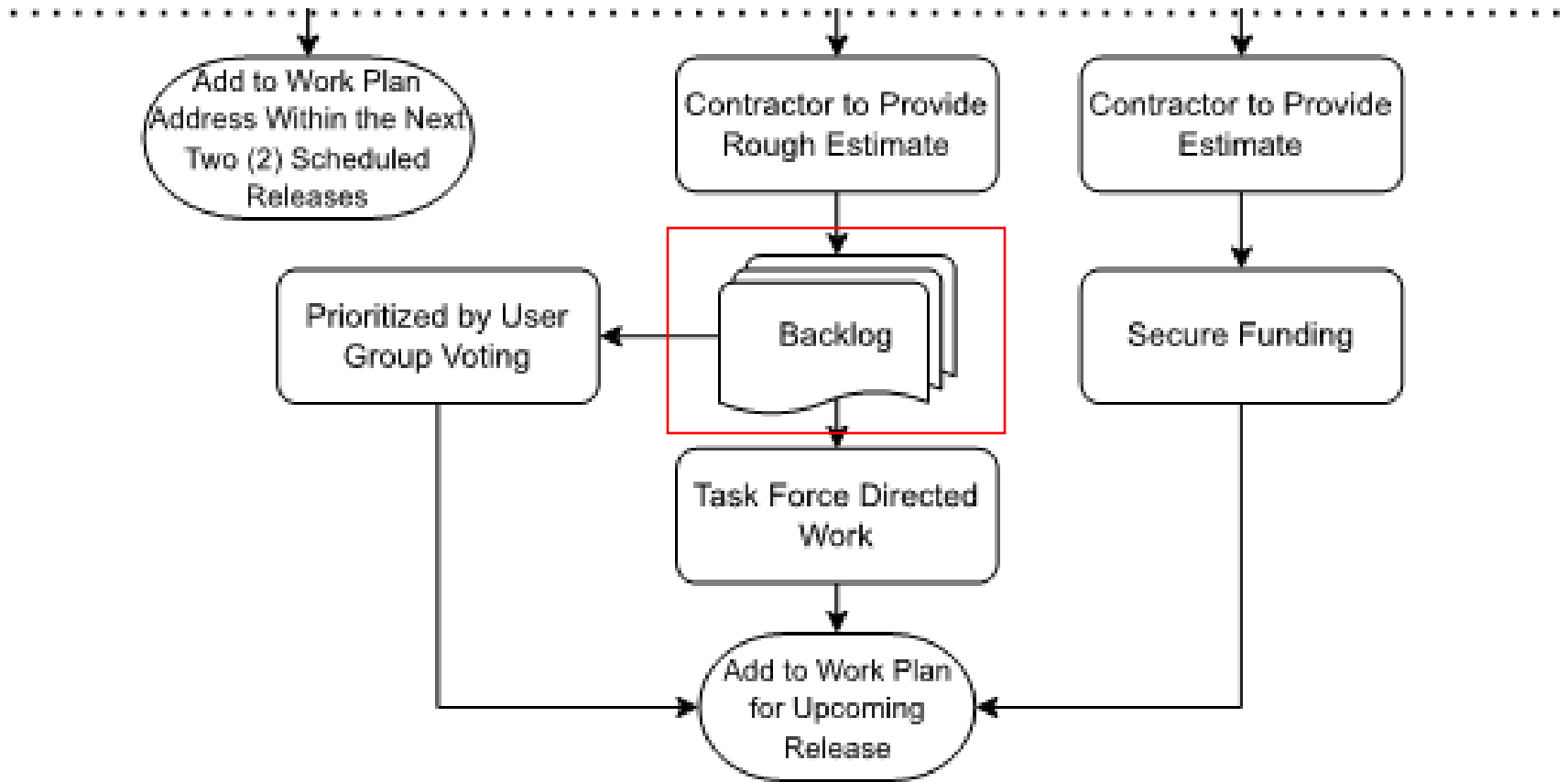
- Backlog TAG
  - Categorized all issues
  - Reviewed all issues
    - Impact
    - Prioritize
    - Estimate

**343 Issues  
in Total**

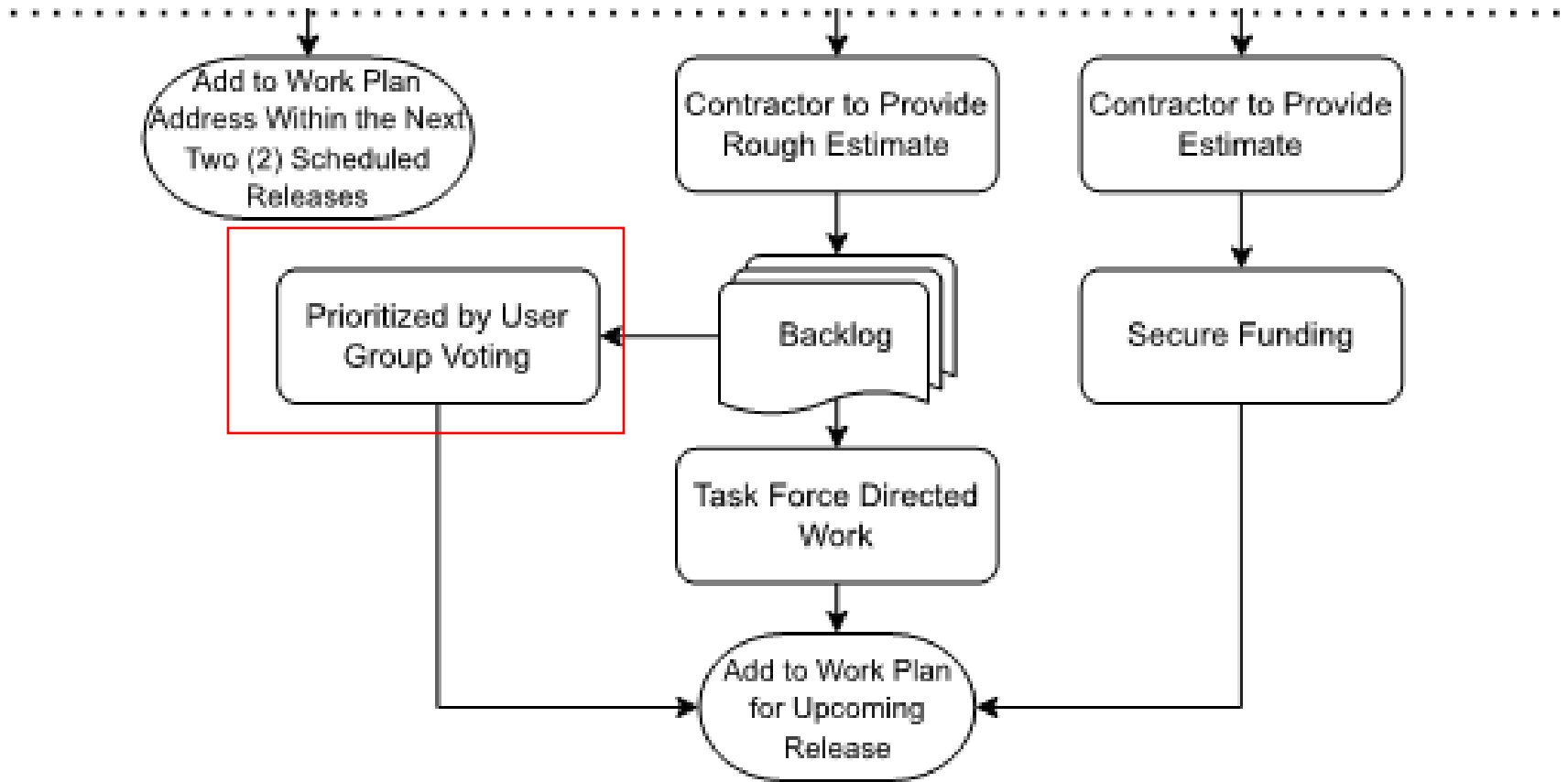
# Evaluation Process (Cont.)



# Backlog



# User Group Voting





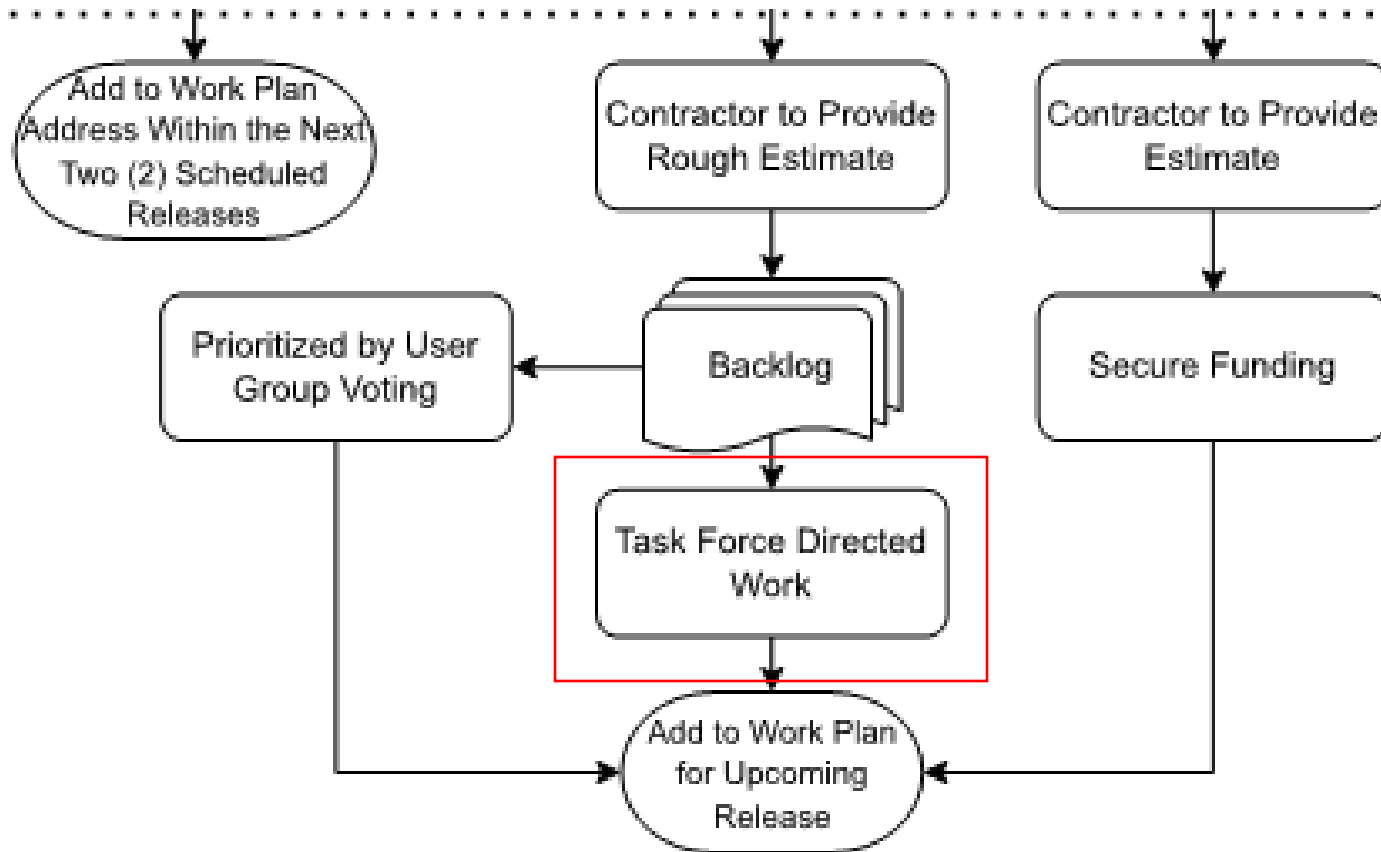
# User Group Voting (Cont.)

- RADBUG Constitution – Article X
  - State, Federal, & Local Agency Licensees only
  - One ballot per product licensed (BrR/BrD)
  - Ten enhancements ranked per ballot

# User Group Voting (Cont.)

- Enhancement List
  - aka the “Backlog”
  - Assembled to assist Member Agencies to sort through the “Backlog”
  - Prioritized List (Tier 1 thru 3)
  - Issues have been categorized and roughly estimated
  - Transmitted to Users by RADBUG President, Kelly Tomjanovich on 7/14

# Task Force Directed Work



# Task Force Directed Work (Cont.)

- When selecting enhancements we must consider
  - No lack of ideas
  - Limited resources to implement

How to decide what work  
should be done first?

# Task Force Directed Work (Cont.)

- Vision

To be the premier Bridge Design and Bridge Load Rating software solution for the transportation community.

- Mission

To deliver a software solution through partnerships which enable transportation agencies to accomplish their mission.

# Task Force Directed Work (Cont.)

Goal 1. Initiate development of a hybrid on-premise and cloud-based solution

Goal 2. Refactor BrDR system's core foundation and analytical components

Goal 3. Develop Task Force directed features and functionality

Goal 4. Address user requested enhancements

# Task Force Directed Work (Cont.)

Goal 5. Proactive management and resolution of maintenance issues

Goal 6. Address technical debt systematically and strategically

Goal 7. Support AASHTO and AASHTOWare program initiatives

Goal 8. Provide exceptional customer support to enhance customer success

# Task Force Directed Work (Cont.)

- Strategic Planning
- Input from the User Community
- Brainstorming Session
  - BrD/BrR Combined Business Meeting
- Mentimeter Poll
  - Focus Areas
  - Use Case Scenarios



Questions / Comments?

