



# CITY OF NORMAN, OK CITY COUNCIL STUDY SESSION

Municipal Building, Executive Conference Room, 201 West Gray, Norman,  
OK 73069

Tuesday, September 21, 2021 at 5:30 PM

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## AGENDA

*It is the policy of the City of Norman that no person or groups of persons shall on the grounds of race, color, religion, ancestry, national origin, age, place of birth, sex, sexual orientation, gender identity or expression, familial status, marital status, including marriage to a person of the same sex, disability, retaliation, or genetic information, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination in employment activities or in all programs, services, or activities administered by the City, its recipients, sub-recipients, and contractors. In the event of any comments, complaints, modifications, accommodations, alternative formats, and auxiliary aids and services regarding accessibility or inclusion, please contact the ADA Technician at 405-366-5424, Relay Service: 711. To better serve you, five (5) business days' advance notice is preferred.*

### CALL TO ORDER

### AGENDA ITEMS

1. Discussion Regarding American Rescue Plan Act of 2021 (ARPA) Stormwater Projects

### ADJOURNMENT

# Stormwater Capital Projects and ARPA Funding

City Council Study Session  
September 21, 2021



# Stormwater CIP

- Generally consist of improvements to stormwater conveyance system
  - Examples:
    - Infrastructure repairs
      - Replacing culverts, pipes, channel liners
    - Stream stabilization
      - Repairing damage to streambanks caused by stormwater flows
    - Property acquisition (aka buyouts)
      - Acquiring property in the floodway or floodplain

# Project Determination

- Storm Water Master Plan (SWMP)
  - October 2009 Final Report submitted by PBS&J
  - Culmination of years of effort and numerous meetings
  - Comprehensive study of Norman's watersheds
  - Included list of projects
- Citizen, Organization, Board, or Commission Request
- Special Studies
  - Result from public or staff identified problem areas
  - Ex: Lower Imhoff Creek Study
- Staff
  - Identified through routine maintenance/inspections or in response to flooding events

# Project Prioritization

- Method detailed in SWMP
- Factors considered:
  - Public safety
  - Sustainability
  - Funding advantages
  - Positive impacts on neighborhoods and the environment
  - Relationship to other infrastructure issues (e.g. roadways)
  - Costs vs benefits
- Factors are weighted based on importance (4-1, most to least important)
- Each factor is rated (3-0, most relevance to no relevance)
- Factor score = Weight \* Rating
- Total project score =  $\sum$  Factor Scores

Table 6-3  
Project Prioritization Scoring Sheet

Prioritization Ranking Factors	Ranking Factor Weight	A Road Drainage Ditch		Wet Creek Buyouts		Maximum Possible Score	
		Project Specific Score	Project Specific Weighted Score	Project Specific Score	Project Specific Weighted Score	Project Specific Score	Project Specific Weighted Score
Public safety	4	3	12	3	12	3	12
Flood, erosion, and water quality significance	4	1	4	2	8	3	12
Engineering economy (good benefit/cost relationship)	4	2	8	3	12	3	12
Potential for recreation/open space/connectivity for linear parks	4	2	8	3	12	3	12
Sustainability or low operations & maintenance cost	3	1	3	3	9	3	9
Environmental enhancement	3	1	3	3	9	3	9
Funding sources (leverage of participants available funds)	2	2	4	2	4	3	6
Beneficial neighborhood impacts	2	1	2	1	2	3	6
Degree of economic impact on local businesses	2	2	4	3	6	3	6
Dependency on other projects	1	0	0	1	1	3	3
Improve economic development/redevelopment potential	1	3	3	2	2	3	3
Mobility or effects on transportation system	1	3	3	0	0	3	3
Time to implement or construct	1	2	2	1	1	3	3
Ease of permitting	1	1	1	3	3	3	3
<b>Project Total Specific Score</b>			<b>57</b>		<b>81</b>		<b>99</b>

Note: Project Specific Scores can be 0, 1, 2, or 3.

# Current Stormwater CIP List

- 60 projects currently on list
  - SWMP identified 58 projects
  - New projects are ranked and added as necessary
  - Completed 6 projects to date
- Estimated total cost: \$106,000,000

# STORMWATER GENERAL OBLIGATION BOND

- Bond Total: \$60 million
- Impact to Current Taxes: ~\$5.25 per month increase based on property's market value of \$150,000

## IMPORTANT FACTS:

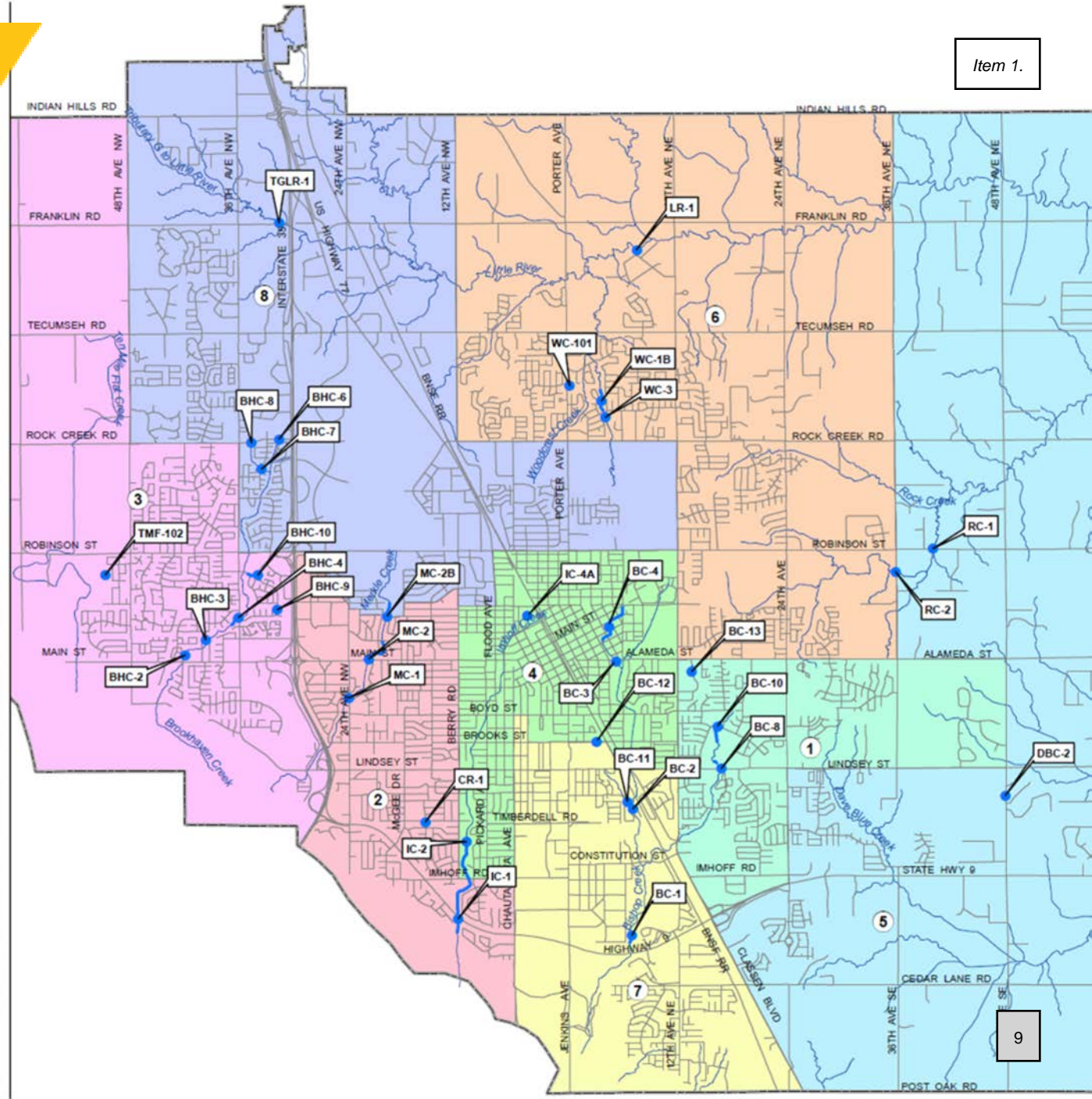
- 33 projects selected
- Includes the following types of projects:
  - Streambank stabilization
  - Infrastructure replacement
  - Capacity improvements
  - Detention pond expansion





# PROPOSITION 2

# STORMWATER PROJECT MAP



# PROPOSITION 2

Item 1.

Project ID	Watershed	Ward	City Rank	Project Location	Estimated Project Cost
BC-10	Bishop Creek	1	4	Sinclair Dr and Beaumont Dr south of Boyd St and east of 12th Ave SE	2,766,000.00
BC-13	Bishop Creek	1	12	Behind Harbor Freight, south of Alameda on Triad Village Dr	988,000.00
BC-8	Bishop Creek	1	11	Lindsey Street south of Colonial Estates Park	905,000.00
CR-1	Canadian River	2	54	Intersection of Westbrooke Terrace Rd and Hollywood Street	986,000.00
IC-1	Imhoff Creek	2	3	South of State Highway 9 and east of S. Berry Rd	402,000.00
MC-1	Merkle Creek	2	19	At 24th Ave SW south of George Lynn Cross Dr	1,106,000.00
MC-2	Merkle Creek	2	8	At Main St between Merkle Dr and Hal Muldrow Dr	12,171,000.00
BHC-10	Brookhaven Creek	3	36	Intersection of Rambling Oaks Dr and Havenbrook St	1,811,000.00
BHC-2	Brookhaven Creek	3	35	At Main St between Lamp Post Rd and Willoway Dr	171,000.00
BHC-3	Brookhaven Creek	3	36	North of Main Street on the east side of Willow Branch Road	260,000.00
BHC-4	Brookhaven Creek	3	28	West of 36th Ave NW south of Hampton Ct	1,459,000.00
BHC-9	Brookhaven Creek	3	53	Intersection of Rambling Oaks Dr and Tall Oaks Circle	754,000.00
TMF-102	Ten Mile Flat Creek	3	49	West of 48th Ave NW and south of Robinson St	262,000.00
BC-3	Bishop Creek	4	12	South of Alameda St and S. Carter Ave	729,000.00
BC-4	Bishop Creek	4	7	Between Symmes Street and Main Street on either side of Bishop Creek channel	3,219,000.00
IC-4A	Imhoff Creek	4	8	Andrews Park	7,041,000.00
DBC-2	Dave Blue Creek	5	38	On 48th Ave SE north of Stonehenge Lane	402,000.00
RC-1	Rock Creek	5	41	On Robinson St east of 36th Ave NE	2,313,000.00

# PROPOSITION 2

Project ID	Watershed	Ward	City Rank	Project Location	
LR-1	Little River	6	12	North of Little River Rd west of 12th Ave NE	201,000.00
WC-101	Woodcrest Creek	6	28	East of the intersection Porter Ave and Highland Village Dr	402,000.00
WC-1B	Woodcrest Creek	6	28	North of Sequoyah Trail between Willow Creek Dr and Winding Creek Circle	1,056,000.00
WC-3	Woodcrest Creek	6	39	South of Sequoyah Trail between Willow Creek Dr and Winding Creek Circle	277,000.00
BC-1	Bishop Creek	7	30	North of State Highway 9 between Jenkins Ave and Marshall Ave	1,056,000.00
BC-11	Bishop Creek	7	19	South of Lindsey St north of The Reserve	870,000.00
BC-12	Bishop Creek	7	12	On East Brooks St between Trout Ave and the railroad tracks	810,000.00
BC-2	Bishop Creek	7	25	South of Lindsey St north of The Reserve	583,000.00
BHC-6	Brookhaven Creek	8	32	On Rock Creek Rd between Pendleton Dr and Interstate Dr	503,000.00
BHC-7	Brookhaven Creek	8	39	On Pendleton Dr west of Prairie Creek Park	267,000.00
BHC-8	Brookhaven Creek	8	32	On Rock Creek Road between 36th Ave NW and Pendleton Dr	639,000.00
TGLR-1	Trib G to Little River	8	22	On Franklin Rd near 24th Ave NW	1,609,000.00
IC-2	Imhoff Creek	2&4	5	South of Imhoff Rd between S. Berry Rd and Walnut Rd	10,562,000.00
MC-2B	Merkle Creek	2&8	46	On Iowa Street just west of Cleveland Elementary School	905,000.00
RC-2	Rock Creek	5&6	41	On 36th Ave NE between Robinson St and Alameda St	2,515,000.00
					60,000,000.00

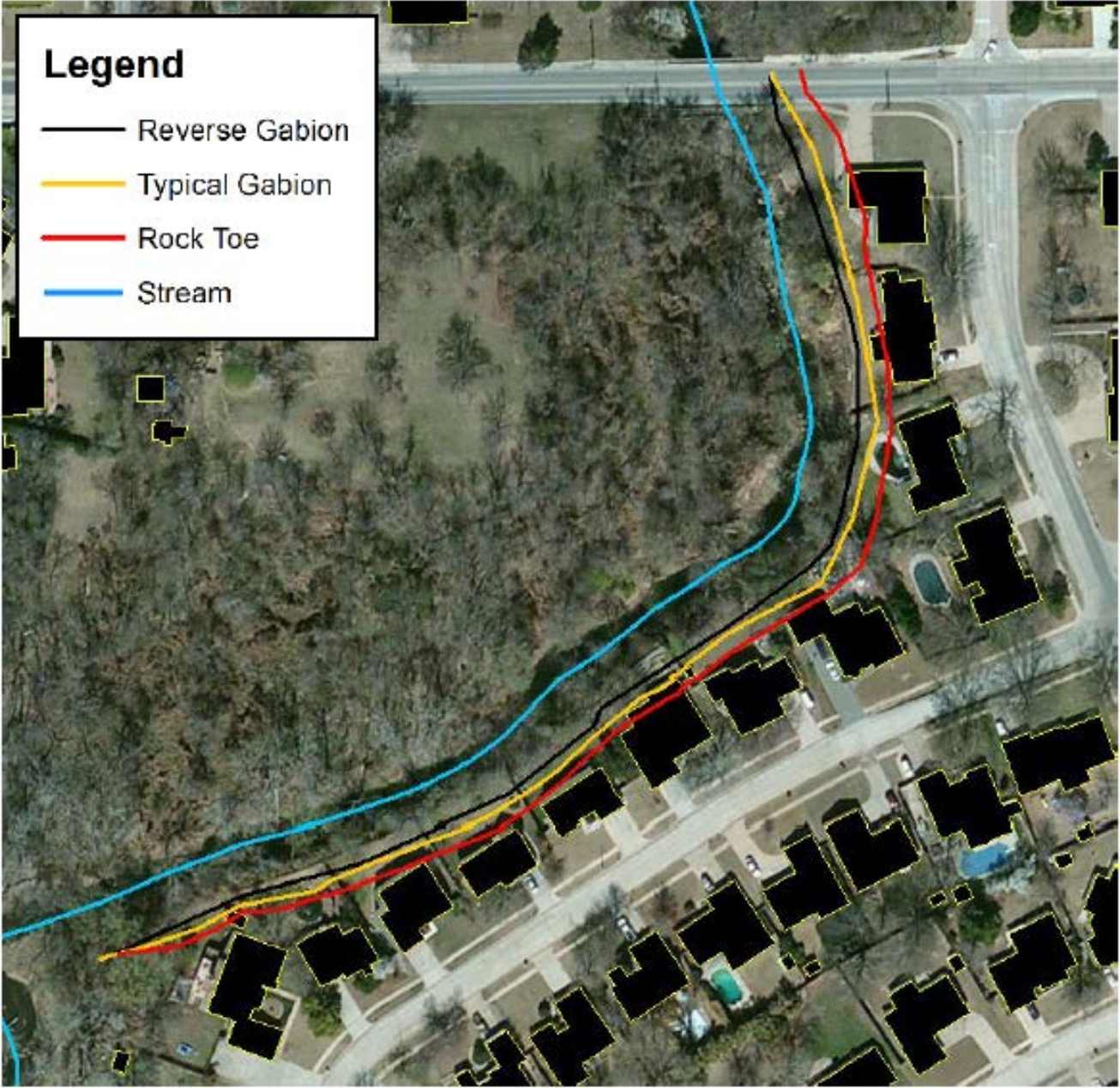
# Potential Projects for ARPA

- Lower Imhoff Creek (IC-2)
  - Watershed priority ranking: 2
  - Overall City priority ranking: 5
  - Overall Estimated Cost: \$7,500,000
    - Phased to make it easier to fund
    - Phase I = South of Imhoff Rd Bridge
      - Estimated Cost: \$3,500,00
      - Currently under design
      - Highest ranking SWMP project that is “shovel ready”
    - Phase II = North of Imhoff Rd Bridge
      - Estimated Cost: \$4,500,000
      - To be completed at a later date













# Potential Projects for ARPA

- Norman Nature Park
  - S. Carter Ave and Alameda St
  - Estimated Cost: \$1,500,000
  - Goal is to provide additional floodplain storage capacity, serve as an outdoor classroom with access to Bishop Creek, and provide location for green infrastructure installation

- DESIGN CRITERIA**
- 1** NATURE THEMED PLAYGROUND
    - Active play
    - Passive play
    - Educational signage
    - Shaded seating areas
    - Picnic areas
    - Drinking Fountain
  - 2** NATURE PAVILION
    - Green Design
    - Event staging
    - Educational signage
    - Shaded seating areas
    - Picnic areas
  - 3** BOARDWALK / WETLAND
    - Educational signage
    - Nature access
    - Scenic Observation
    - Water access
  - 4** BRIDGE CONNECTION
    - Scenic Observation
    - Interaction w/ nature
    - Trail head
  - 5** PERMEABLE PARKING AREA
  - 6** RAIN GARDEN
  - 7** ARRIVAL/ EDUCATIONAL SIGNAGE
  - 8** NATURE TRAIL
  - 9** EXANDED CREEK CAPACITY
  - 10** LOW WATER CROSSING







Item 1.



# Potential Projects for ARPA

## Bridge Replacements

- City of Norman is responsible for 77 Bridges
- 23 Bridges were built before 1950 (70+ years old)
- 6 Bridges have Load Postings < 23 tons
  - 2 bridges posted for **20 tons**
  - 1 bridge posted for **12 tons** (does not allow school buses)
  - 1 bridge posted for **9 tons** (does not allow school buses)
  - 1 bridge posted for **5 tons** (does not allow school buses)
  - 1 bridge posted for **4 tons** (does not allow school buses)
- 12 Bridges are rated Structurally Deficient (SD)
- 4 Bridges are rated Functionally Obsolete (FO)
- 3 Bridges are rated At Risk of becoming Deficient (AR)



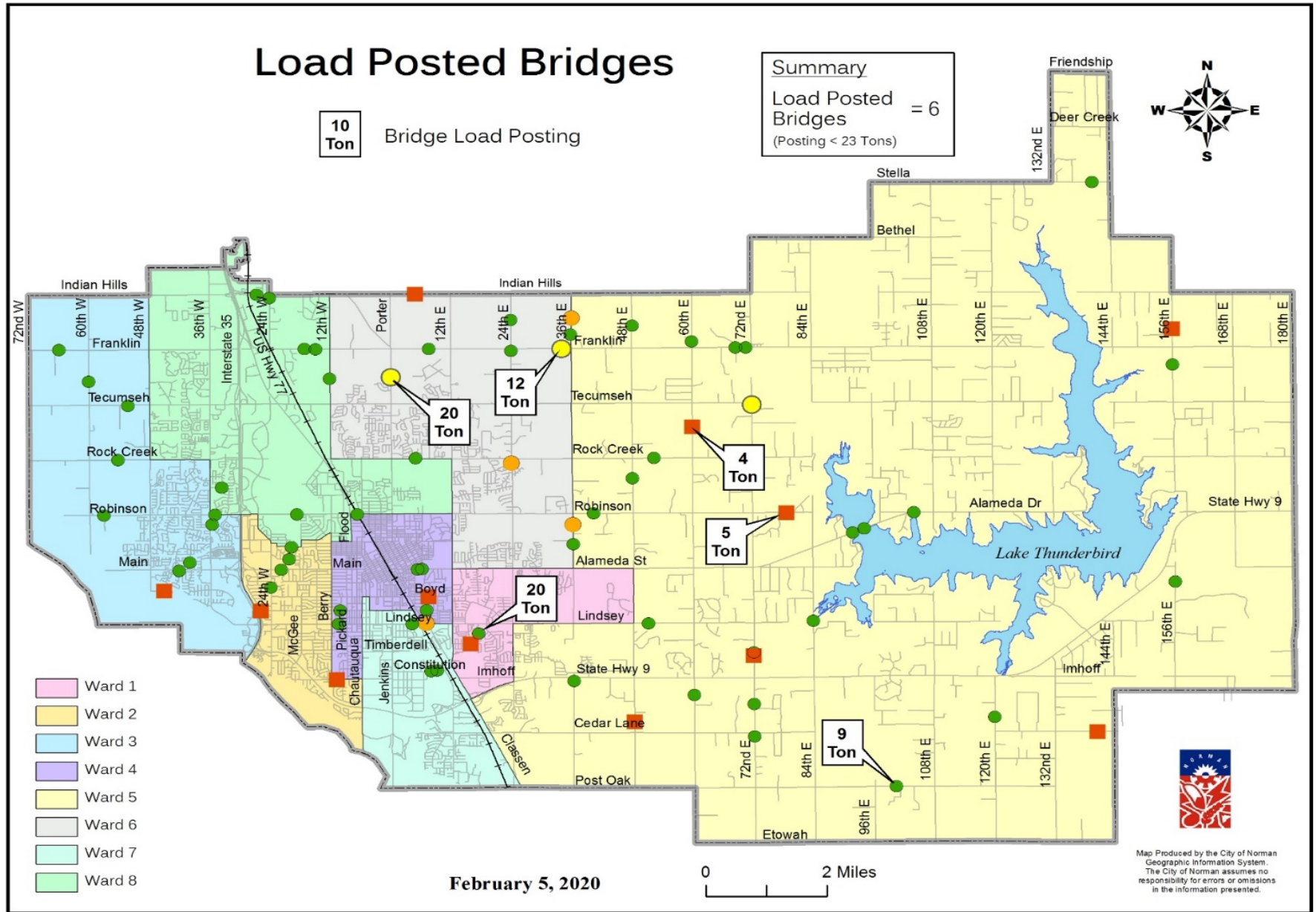
*60<sup>th</sup> Ave NE Bridge over Rock Creek (located north of Rock Creek Rd).*

*Built in 1940.*

*This Bridge is rated Structurally Deficient and Load Posted for 4 Tons.*



# Load Posted Bridge Location Map



# Bridge Maintenance Program Budget Priorities - Replacement

Bridge Location	ID/Number	Replacement Year	Budget
N. Porter Ave.- Little River	005A/05274	2021	\$1,371,666
0.5N of Rock Creek			
Franklin Rd. - Little River	013A/09991	2022	\$982,126
0.6S of Franklin Rd			
E Robinson St. - Unamed Creek	017A/05850	2023	\$1,360,297
0.1W of 36th Ave NE			
60th Ave NE- Rock Creek Rd	022A/09189	2024	\$881,978
0.6E of 72nd Ave NE			
Creekside Dr- Unamed Creek	14/20394	2025	\$1,009,327
0.2S of Lindsey St			
<b>TOTAL</b>			<b>\$ 5,605,394</b>



# Potential Projects for ARPA

- Lower Imhoff Creek, Phase I - \$3,500,000
- Norman Nature Park - \$1,500,000
- Bridge Maint/Replacement - \$2,500,000

# QUESTIONS COMMENTS

