



# Bond Election Advisory Task Force Stormwater Bond Needs Assessment Project Details

August 15, 2017





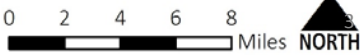
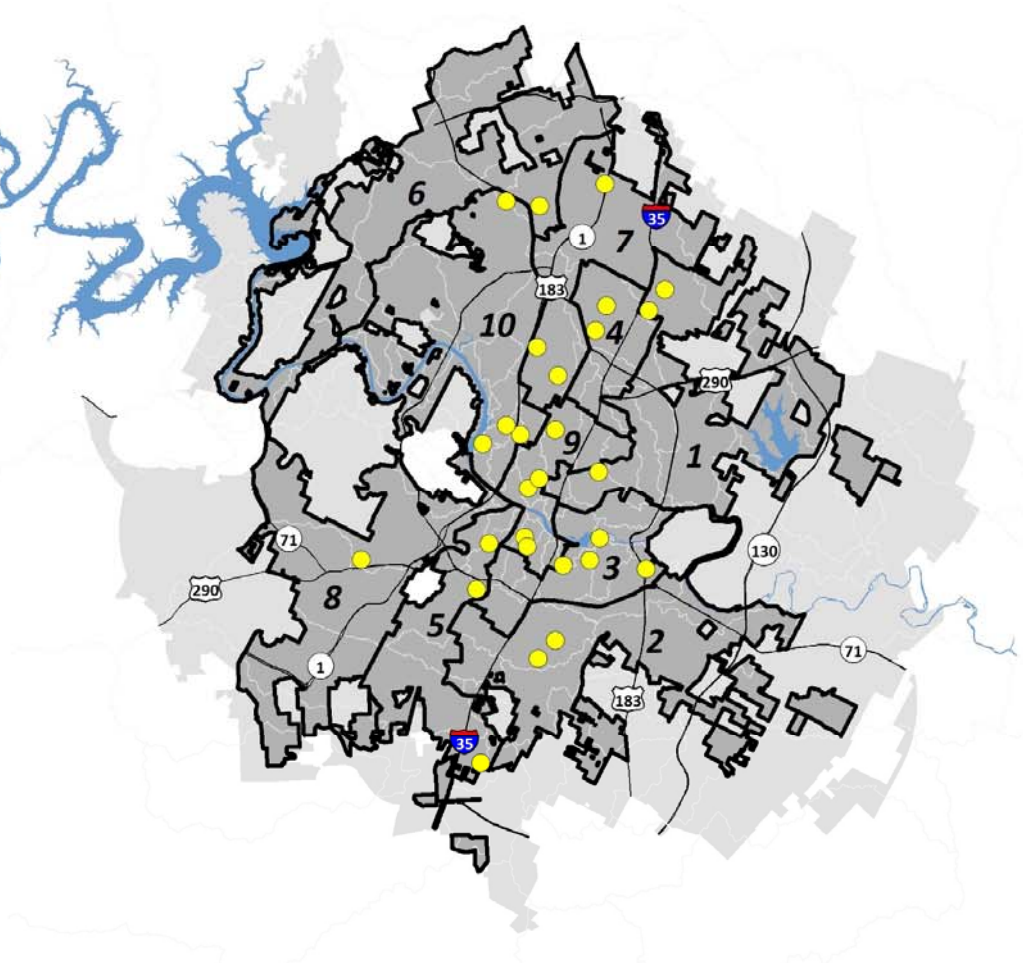
# Presentation Overview

- 2018 Stormwater Bond Needs Assessment (refresher)
  - Map and list of projects
- Project Phases Overview
- Detailed Project Information

# Stormwater 2018 Bond Needs Assessment

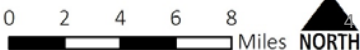
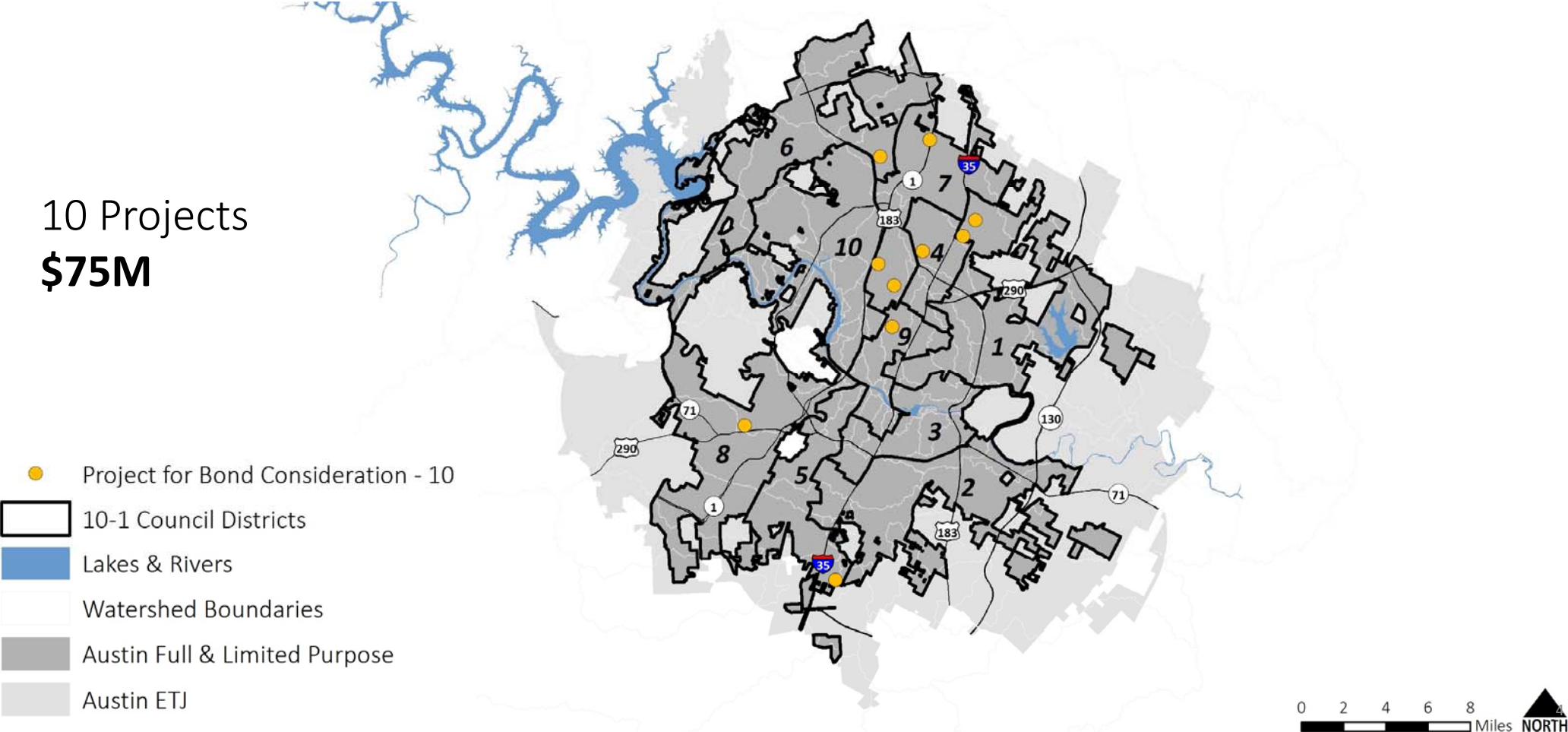
28 Projects  
**\$238M**

- Project for Bond Consideration - 28
- ▭ 10-1 Council Districts
- ▭ Lakes & Rivers
- ▭ Watershed Boundaries
- ▭ Austin Full & Limited Purpose
- ▭ Austin ETJ



# Stormwater “Starting Point” from June 16th BEATF Meeting

10 Projects  
**\$75M**

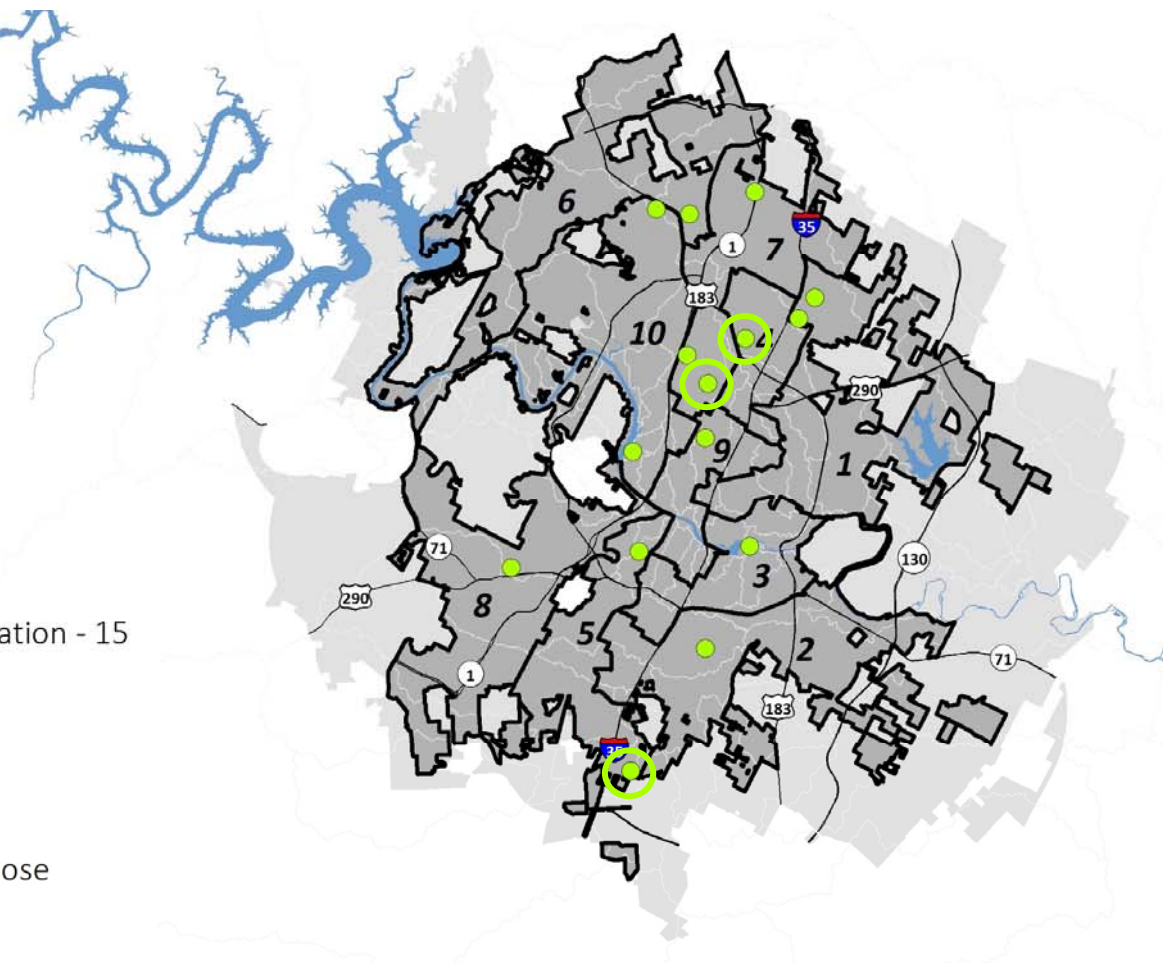


# Most Appropriate for 2018 Bond Implementation

○ = "Scalable" project

15 Projects  
~\$100M+

- Project for Bond Consideration - 15
- ▭ 10-1 Council Districts
- ▭ Lakes & Rivers
- ▭ Watershed Boundaries
- ▭ Austin Full & Limited Purpose
- ▭ Austin ETJ












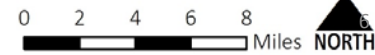
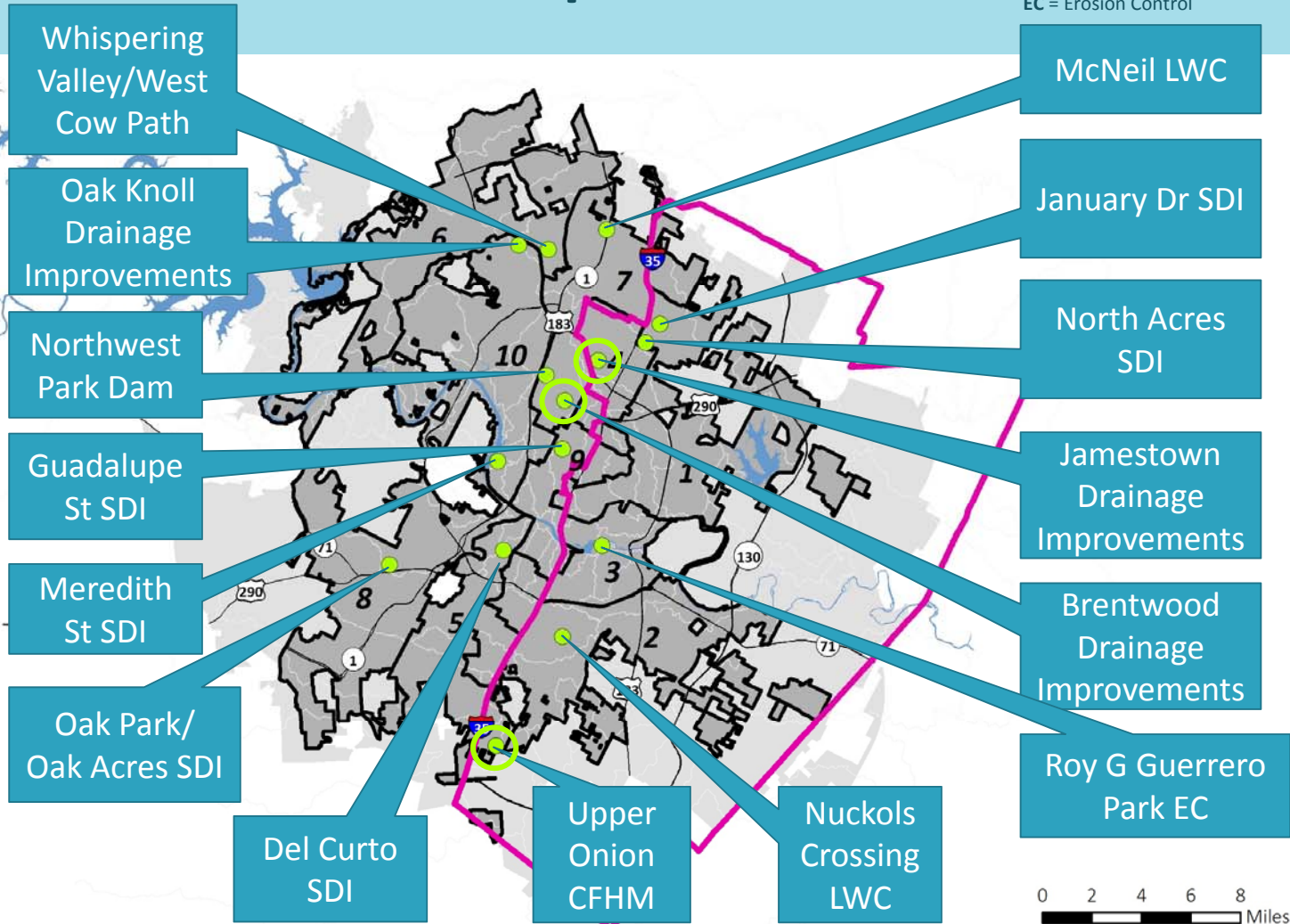
# Most Appropriate for 2018 Bond Implementation

SDI = Storm Drain Improvements  
 CFHM = Creek Flood Hazard Mitigation  
 LWC = Low Water Crossing  
 EC = Erosion Control

○ = "Scalable" project

15 Projects  
 ~\$100M+

-  Eastern Crescent Boundary
-  Project for Bond Consideration
-  10-1 Council Districts
-  Lakes & Rivers
-  Watershed Boundaries
-  Austin Full & Limited Purpose
-  Austin ETJ



# “Most Appropriate” Considerations

- Problem severity
  - All projects identified in FY17 Bond Needs Assessment highly critical and/or timely strategic need
- Implementation timing
  - Complete or implement next major phase of project within 5-year bond period
  - “Most Appropriate” projects shovel-ready in 2019-23

**By focusing potential bond funding on a subset of shovel-ready projects, DUF funds can be used towards advancing additional high-priority CIP projects currently in preliminary phases.**

# Typical CIP Project Phases

1. Feasibility
2. Preliminary Engineering Report (PER)
3. Design
4. Implementation



Original Priority	Project Name	FY17 Bond Needs	\$75M Scenario	\$100M+ Scenario	Council District
1	Lower Shoal Creek Flood Hazard Mitigation - Phase 1	✓			9
2	Oak Park Oak Acres Storm Drain Improvements	✓	✓	✓	8
3	Brentwood Drainage Improvements	✓	✓	✓*	7
4	Jamestown Drainage Improvements	✓	✓	✓*	4
5	Pinehurst Dr and Wild Dunes Flood Mitigation - Phase 1	✓	✓	✓*	5
6	North Acres Storm Drain Improvements	✓	✓	✓	1
7	Guadalupe St, W. 35-37th Storm Drain Improvements	✓	✓	✓	9
8	Northwest Park Dam Maintenance/Modernization	✓	✓	✓	7
9	Whispering Valley and West Cow Path Flood Mitigation	✓	✓	✓	6
10	Carson Creek Flood Hazard Mitigation	✓			3
11	Brassiewood Dr Storm Drain Improvements	✓			2
12	McNeil Drive Low Water Crossing Improvements	✓	✓	✓	7
13	Annie St Storm Drainage Improvements	✓			9
14	January Dr Storm Drain Improvements	✓	✓	✓	1

Original Priority	Project Name	FY17 Bond Needs	\$75M Scenario	\$100M+ Scenario	Council District
15	Little Walnut Creek Flood Hazard Reduction	✓			4
16	Richmond Tributary Rehabilitation	✓			5
17	Oak Knoll Drainage Improvements	✓		✓	10
18	Roy G. Guerrero Park Channel Stabilization	✓		✓	3
19	Del Curto Storm Drain Improvements	✓		✓	5
20	Meredith St. Storm Drain Improvements	✓		✓	10
21	MLK TOD Storm Drain Improvements	✓			1
22	Pleasant Valley/Elmont Storm Drain Improvements	✓			3
23	Nueces St Storm Drain Improvements	✓			9
24	Warren St Storm Drain Improvements	✓			10
25	West Monroe St. Low Water Crossing Improvements	✓			9
26	Nuckols Crossing Low Water Crossing Improvements	✓		✓	2
27	Oakmont Blvd. Storm Drain Improvements	✓			10
28	Briar Hill Dr Storm Drain Improvements	✓			3
	<b>Count</b>	<b>28</b>	<b>10</b>	<b>15</b>	

# Stormwater Bond Needs Assessment Project Detail

\*\*All project information is for planning purposes only and subject to change at any time\*\*

Original BNA Priority	Council District	Project Name	Problems/Benefits			2018 Bond Scenarios			Level of Implementation	Current Status	Estimated Shovel-Ready Year	Public Meeting	East Austin Crescent	Leveraged Funding
			Struct	Road Xing	EC Lin. Ft	FY17 BNA	\$75M	\$100M						
1.	9	Lower Shoal Creek Flood Hazard Mitigation - Phase 1	66*	7*		\$30,000,000	\$0	\$0	Design	Feasibility	2022	Yes	-	-
2.	8	Oak Park Oak Acres Storm Drain Improvements	100	4		\$12,500,000	\$8,500,000	\$8,500,000	Through Construction	PER	2019	Yes	-	-
3.	7	Brentwood Drainage Improvements	127*		7,700	\$20,000,000	\$10,000,000	\$14,000,000	Through Construction, Scalable Level of Protection	Feasibility	2023	Not Yet	-	-
4.	4	Jamestown Drainage Improvements	10*	1*	2,500	\$13,130,000	\$2,000,000	\$2,000,000	Through Construction, Scalable Level of Protection	Design	2019 (Ph.2 2025)	Yes	Yes	-
5.	5	Pinehurst Dr and Wild Dunes Flood Mitigation - Phase 1	139*	1*		\$20,000,000	\$10,000,000	\$15,000,000	Through Construction, Scalable Level of Protection	Feasibility & Implementation	2017	Yes	Yes	-
6.	1	North Acres Storm Drain Improvements	25			\$8,000,000	\$8,000,000	\$8,000,000	Through Construction	Feasibility	2022	Not Yet	Yes	-
7.	9	Guadalupe St, W. 35-37th Storm Drain Improvements	16			\$18,000,000	\$18,000,000	\$18,000,000	Through Construction	PER	2021	Not Yet	-	-
8.	7	Northwest Park Dam Maintenance/Modernization	0			\$4,300,000	\$4,300,000	\$4,300,000	Through Construction	PER	2020	Not Yet	-	Yes
9.	6	Whispering Valley and West Cow Path Flood Mitigation	23	1		\$9,200,000	\$7,100,000	\$7,100,000	Through Construction	PER	2019	Yes	-	-
10.	3	Carson Creek Flood Hazard Mitigation	13*			\$4,000,000	\$0	\$0	Through Construction, Scalable Level of Protection	Feasibility	TBD	Not Yet	Yes	-
11.	2	Brassiewood Dr Storm Drain Improvements	14			\$5,200,000	\$0	\$0	Through Construction	Feasibility	2024	Not Yet	Yes	-
12.	7	McNeil Drive Low Water Crossing Improvements	0	1		\$3,000,000	\$3,000,000	\$2,000,000	Through Construction	PER	2020	Not Yet	-	-
13.	9	Annie St Storm Drainage Improvements	13			\$9,500,000	\$0	\$0	Through Construction	PER	2020	Not Yet	-	-
14.	1	January Dr Storm Drain Improvements	13			\$4,700,000	\$4,100,000	\$4,100,000	Through Construction	Feasibility	2022	Not Yet	Yes	-
15.	4	Little Walnut Creek Flood Hazard Reduction	79	3		\$7,000,000	\$0	\$0	Through Construction	Design	2018	Yes	Yes	-
16.	5	Richmond Tributary Rehabilitation	0	2	1,200	\$3,800,000	\$0	\$0	Through Construction	PER	2020	Yes	-	-
17.	10	Oak Knoll Drainage Improvements	10			\$2,500,000	\$0	\$2,500,000	Through Construction	PER	2019	Not Yet	-	-
18.	3	Roy G. Guerrero Park Channel Stabilization	0		2,000	\$5,500,000	\$0	\$5,500,000	Through Construction	Design	2019	Not Yet	Yes	Yes
19.	5	Del Curto Storm Drain Improvements	8			\$6,700,000	\$0	\$2,000,000	Through Construction	Design	2018	Yes	-	-
20.	10	Meredith St. Storm Drain Improvements	5			\$4,000,000	\$0	\$4,000,000	Through Construction	Design	2018	Yes	-	-
21.	1	MLK TOD Storm Drain Improvements	0			\$8,000,000	\$0	\$0	Through Construction	Design	2018	Yes	Yes	Yes
22.	3	Pleasant Valley/Elmont Storm Drain Improvements	0			\$6,500,000	\$0	\$0	Through Construction	PER	2020	Not Yet	Yes	-
23.	9	Nueces St Storm Drain Improvements	25			\$8,000,000	\$0	\$0	Through Construction	Feasibility	2025	Not Yet	-	-
24.	10	Warren St Storm Drain Improvements	15			\$4,700,000	\$0	\$0	Through Construction	Feasibility	2025	Not Yet	-	-
25.	9	West Monroe St. Low Water Crossing Improvements	0	1		\$3,000,000	\$0	\$0	Through Construction	Feasibility	2022	Not Yet	-	-
26.	2	Nuckols Crossing Low Water Crossing Improvements	0	1		\$3,000,000	\$0	\$3,000,000	Through Construction	Feasibility	2022	Not Yet	Yes	-
27.	10	Oakmont Blvd. Storm Drain Improvements	11			\$6,100,000	\$0	\$0	Through Construction	Feasibility	2020	Not Yet	-	-
28.	3	Briar Hill Dr Storm Drain Improvements	11			\$8,100,000	\$0	\$0	Through Construction	Feasibility	2024	Not Yet	Yes	-



# Questions? Next Steps?

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List of Selected Watershed Projects for Potential Inclusion in the 2018 Bonds

Original BNA Priority	Council District	Project Name	Problems/Benefits			2018 Bond Scenarios			Level of Implementation	Current Status	Estimated Shovel-Ready Year	Public Meeting	East Austin Crescent	Leveraged Funding
			Struct	Road Xing	EC Lin. Ft	FY17 BNA	\$75M	\$100M						
1.	9	Lower Shoal Creek Flood Hazard Mitigation - Phase 1	66*	7*		\$30,000,000	\$0	\$0	Design	Feasibility	2022	Yes	-	-
2.	8	Oak Park Oak Acres Storm Drain Improvements	100	4		\$12,500,000	\$8,500,000	\$8,500,000	Through Construction	PER	2019	Yes	-	-
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6.	1	North Acres Storm Drain Improvements	25			\$8,000,000	\$8,000,000	\$8,000,000	Through Construction	Feasibility	2022	Not Yet	Yes	-
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14.	1	January Dr Storm Drain Improvements	13			\$4,700,000	\$4,100,000	\$4,100,000	Through Construction	Feasibility	2022	Not Yet	Yes	-
15.	4	Little Walnut Creek Flood Hazard Reduction	79	3		\$7,000,000	\$0	\$0	Through Construction	Design	2018	Yes	Yes	-
16.	5	Richmond Tributary Rehabilitation	0	2	1,200	\$3,800,000	\$0	\$0	Through Construction	PER	2020	Yes	-	-
17.	10	Oak Knoll Drainage Improvements	10			\$2,500,000	\$0	\$2,500,000	Through Construction	PER	2019	Not Yet	-	-
18.	3	Roy G. Guerrero Park Channel Stabilization	0		2,000	\$5,500,000	\$0	\$5,500,000	Through Construction	Design	2019	Not Yet	Yes	Yes
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28.	3	Briar Hill Dr Storm Drain Improvements	11			\$8,100,000	\$0	\$0	Through Construction	Feasibility	2024	Not Yet	Yes	-
<b>Total Benefits</b>			<b>723*</b>	<b>22*</b>	<b>13,400</b>	<b>\$238,430,000</b>	<b>\$75,000,000</b>	<b>\$100,000,000</b>						

\* Benefits subject to level of funding/scalable project

**Project Phases**

1. Feasibility
2. PER -- Preliminary Engineering Report
3. Design
4. Implementation

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