Bastrop County WCID #2

Annual Road Meeting Board Packet for March 26, 2023

BASTROP COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NO. 2
MEETING AGENDA

TO: THE BOARD OF DIRECTORS OF BASTROP COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NO. 2, BASTROP COUNTY, TEXAS, AND TO ALL OTHER INTERESTED PERSONS:

NOTICE IS HEREBY GIVEN THAT A MEETING OF THE GOVERNING BODY OF THE ABOVE-NAMED POLITICAL SUBDIVISION WILL BE HELD ON MARCH 25, 2023 AT 10:00 A.M IN THE BOARD ROOM LOCATED AT 112 CORPORATE DRIVE, BASTROP, TX 78602.

MEETING DISCUSSION TOPICS

APPROVED
By Paul Hightower at 9:14 am, 3/20/23

1.) Call meeting to Order – O'Hanlon

2.) Pledge of Allegiance – O'Hanlon

3.) Texas State Pledge – O'Hanlon

4.) Introduction of the Board and Special Guests –O'Hanlon

5.) Update from Bastrop County Precinct 1 Commissioner regarding road projects- Commissioner Hamner

6.) Update from consulting engineer regarding road projects– Willrich

7.) Presentation of proposed updates to District's Master Road Plan for District Road Projects– Hightower

8.) Public Hearing and Comment regarding proposed revisions to the District's Master Road Plan (the Board respectfully requests you limit your comments and/or questions to three (3) minutes)

9.) Review and possible action regarding approval of updates to the District's Master Road Plan – BCWCID2 Board of Directors

10.) Adjournment

Paul Hightower Digital Signature Approved & Accepted March 20, 2023 @ 9:10 A.M.
AUTHORIZED SIGNATURE

The Board of Directors may go into Executive Session at any time during the meeting pursuant to the applicable section of Subchapter D, Chapter 551, Texas Government Code, of the Texas Open Meetings Act, on any of the matters set forth on this agenda regardless of whether Executive Session is specifically referenced. No final action, decision or vote will be taken on any subject or matter in Executive Session.

The District is committed to compliance with the Americans with Disabilities Act. Reasonable modifications and equal access to communications will be provided upon request. Please call 512-321-1688 for further information.

Agenda
Item #7

Presentation of Proposed Updates to District's Master Road Plan



BCWCID #2
Annual Road Meeting

March 25, 2023

Copies of this presentation will be also available on the BCWCID2 website

RECOGNIZING OF DIGNITARIES AND INVITEES

- Mel Hamner ~ Commissioner, Bastrop County
- Joseph Willrich ~ PE, BEFCO Engineering

PRESENTATION OVERVIEW

- Accomplishments/Updates Since Last Meeting
  - 2.26 miles completed
  - 3.4 Mi currently under construction
- Building FY 2023-27 Plan
  - FY = Oct 1 – Sep 30



FIRST 40+ YEARS
TAHITIAN ESTABLISHED IN THE 70'S ALL PLATTED AND ROAD DESIGNS APPROVED

- All Arterial Roads Completed
- 66% of All Roads Completed: 41 of the 61 miles, which leaves only 20 miles of WCID Road with almost 2.5 miles pending for County acceptance in 2023.
- 78% of Resident's Homes on Completed Roads as at January 1, 2023 which leaves us only 22% of our residents and other open roads, to get completed.
  - The Road District employees have had some major tasks this year and done an amazing job with what they had to work with.
  - In 2022, we had a major 25-30% material & fuel increases to deal with. For 2023, currently. We are in the 12-15% range and we hope this holds true. We are doing everything we can, in-house, to keep the costs down and make your money go as far as it can.
- Use of In-House Road Crew & Contractors to build roads faster; and then County completes chip seal
  - ILA Agreement with the County saves the District Approx. $50-75k per mile with completion.
- Funded Via Road District Statute (Road Fees)
  - $17 per lot per Month .. $204 per year. The District did not raise the fees for 2022, even with the increases in material. After reviewing for 2023, for the time being, the Board has decided to hold at the current rate.
  - $21 Max by Current Statute Updated 2017 by the BCWCID2 Board
  - All lots **(Vacant & Occupied)** are responsible for paying fees by state statute
  - 2023 - 75% of Road Fees collected to be used for Road Construction and 25% for Road Maintenance, No change since 2019.

ROAD CONSTRUCTION PROCESS

- Road selection is prioritized by many items. It the past, it has strictly used home density, but with that changing on a weekly basis, it's hard to keep up. We are to a point of having the road plan in place for the next several years, that once we reach that, we will just have to start processing the roads as we come to them. Once we are to the point of all roads completed OR deeded to the County, the Road District will be dissolved.

- Factors Used for Selection
  - Feeder Streets where multiple highly populated roads feed thru a lesser populated road
  - Egress routes / Emergency Access /Bus Routes/Home Density
  - High Risk Roads - IE: elevation/slope, single lanes and drainage,
  - Logical groupings in Units for efficiency & completeness, which saves the District funds
  - Density on case by case basis: Costs of roads in high density areas are much more expensive per mile, due to extra cost involving driveways & culverts. For this reason, we try to complete some non-occupied roads when we are in certain areas which saves the District a good amount of funds.
- 2023 Process:
  - Engineering surveys completed for Year 1 locked roads
  - Pre-Construction activities (clearing, ditches, etc) typically starts first of the year.
- Roads, once completed, will be accepted by County after walk-thru, approval and following the warranty period.

2022/2023 FINANCIALS FOR ROAD CONSTRUCTION/ROAD MAINTENANCE

- The District has collected (or will collect) $1.668M in annual road fees for 2022.
- In 2022, the District received a $50k donation from the TVPOA & ACC offices.
- In 2022, roads were constructed with the use of contracted labor, WCID2 labor and support of the Bastrop County via Interlocal Agreements.
- Projected road fees and FEMA reimbursements will be used to fund 2023 road construction & chip sealing.
- A financial analysis will be available on the website once our final 2022 audit is completed, expected in April.
- Current Estimate at $320-340K per mile with Engineering. Cost of oil is still a major factor along with material & fuel price increases.

MAJOR ROAD MAINTENANCE – 2022 LIST

- **We had a total of 26 roads that were in the maintenance work, completed for the year. ****
- **We used 7,269 total tons of material (cold-mix, reclaimed concrete or flex base) which covered/maintained/graded over 8-miles of roadway for 2022.**
- **Material is inline with the 2022 #s as we focused on using the grader to disrupt and pack down the natural material in the areas that we could, but adding flex base to have them pre-prepped for future paving. In the end, this results in a savings for us when it comes to the actual construction time.**

****This does not include new construction or the chip sealing/prepping that was completed****

KEY FACTORS & DATA USED IN BUILDING THE 2023 / 2027 - 5 YEAR PLAN

- First 3 years locked for planning & engineering purposes & last 2 years are subject to be changed.
- Bastrop WCID2 5-year Road Plan: Ingress/Egress & bus routes along with high risk or emergency access and home density as-needed.
- Connection to current County/City Roads, Collector & Feeder Streets; which are streets used to get from a smaller to a larger road.
- Roads added when it was logical to add to complete an area

SIDE NOTE:

- In 2020, the BCWCID2 Board of Directors voted, that once a road is added to the plan in the 5-year line up, that it not be removed.

2023 Road Construction and Maintenance Priorities

- Road Fees cover Road Construction & Road Maintenance
  - Engineering surveys completed for Year 1 locked roads
  - Finding ways to use/save money to make it go as far as we can is always a priority. With material and fuel increases, it's a most important time than ever to spend wisely. We will do our best, to make your money go as far as we can.
- We now have a full 6 employee District Crew working full time on road construction & maintenance
  - Teams to Use County Equipment (Grader, Roller & Water Tanker) with ILA
  - State certified operator training offered at no cost from County and TXLAP sources
  - Improve Maintenance Process & Assist in Construction
  - Unfinished roads will be prioritized to be graded and rolled

Thank you Bastrop County Pct #1 For this Great Opportunity!

2022 ROAD SUMMARY

- In 2022, the following roads were conveyed to the Bastrop County: Pahalawe Lane, Pukoo Drive, Kaapahu Drive, Katao Court, Nanakuli Drive, Kaupa Court, Koko Court, Keaau Court, Mokolea Lane, Kauai Court, Oah Court, Anahulu Lane and Kaelepulu Drive.
- In 2022, $332K was spent on road maintenance.
- By Approving the Plan at the annual road meeting, the 1992 Master plan is updated and also communicated to the District residents, the Bastrop County and Bastrop City for the change in road inventory, roads to be reconstructed in 2022, future plans and cost estimates to complete.
- Most recent estimate of costs to complete the project for 100% conveyance of all roads to Bastrop County or Bastrop City is in the $6.2 to $6.8m range. This # is close to last years figure and is primarily due to the rising costs of oil and other materials. This could be a highly variable # for the next few years.

PENDING OR COMPLETED PREVIOUS PLANS

Roads Pending with County from previous years

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
1					Honopu Dr	1030	***COMPLETED***
1					Kula Ct	350	***COMPLETED***
1					Keo Kea	530	***COMPLETED***
2					Kolo Ct	350	***COMPLETED***
2					Kipahulu	3900	***COMPLETED***
2					Iao Court	400	***COMPLETED***
					Otani Court	600	***COMPLETED***
2					Kahalulu	3150	***COMPLETED***
2					Nakalele Lane	750	***COMPLETED***
1			760		E & W. Keamuku Ct	760	Needs chip seal
1			360		Ewa Ct	360	Needs completing w/ Keamuku
2		Feeder	1000		Onini	1000	Needs hill concreted instead of CS due to grade
2			450		Okoe Ct (East)	450	Needs chip seal
2			1200		Koali	1200	Needs chip seal
2			350		Pulehu Ct	350	Needs chip seal

PROPOSED ROAD PROJECTS -

October 2022 - September 2023 (Year 1) Locked

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
2			2090		Koolua	2090	Off Awehi Lane
2			1,500		Haleakala Dr	1500	
			275		Taro Court	275	Old Kulkul court
2			180		Waihi Ct	180	OFF AKALOA
2			650		Laau Ct	650	Finish off area
5			1300		Kikipua	1300	Newly Qualified
4 & 5			3100		Waipahoehoe Dr	3100	
4			2550		Mokuleia Cr	2550	Off Akaloa. Pave full Circle
5			2700		Nene	2700	Was W. Kokekole
4			950		Mokolea Lane	950	Connects Akaloa & Nanakuli
Total							
		Total Feet	15295		15,295		
					2.90		
		Miles	2.90				

PROPOSED ROAD PROJECTS –

October 2023 - September 2024 (Year 2 LOCKED)							
Unit		**Collector Road**	**Total to be Paved**		**Street**	**Length of Unpaved Road Measured by Feet**	**Comments**
1			1,260		E & W Wiamea Ct	1260	
1			350		Olai Court	350	Connector for Makaha & Wiamea
1		Feeder	3,400		Makaha East to Mauna Kea	3900	500 Ft done in 2018/19
3			1,020		Naalehu Ct	1020	
3			2529		Keawakapu	2529	
3			900		Koele	900	
4			950		Kaaawa Lane East	950	West Off Akaloa by Wailupe
5			200		Manana Ct	200	
5			725		Kahana W	725	Off Awehi Lane
3			450		Lipoa	450	
			350		Upola Court		
		Total Feet	12,134				
		Miles	2.30				

PROPOSED ROAD PROJECTS –

October 2024 - September 2025 (Year 3 New Plan)

Unit		Collector Road	Total To Be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
5			3900		Heleakala Dr	3900	Heleakala connects to Lamaloa County Road and this group is batched for Egress
2			1900		Keneka (Was Wahane west of washout)	1770	
4			400		Aiea Ct	400	
4			500		Kaiwi Ct	500	
4			4000		Hanauma Dr	4000	
4			3300		Helemano Dr	3300	
5			3900		Iva Lane	3900	
		Total Feet	17900				
		Miles	3.39				

PROPOSED ROAD PROJECTS -

October 2025 - September 2026 (Year 4 New Plan)

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
5			350		Puu Kaua Ct	350	THESE 8 STAY GROUPED TOGETHER FOR FUTURE ROAD PLAN
5			360		Mokuauia Ct	360	
5			240		Makua Ct	240	
5			320		Waialee Ct	320	
5			220		Waipio ct	220	
5			400		Kahuku Ct	400	
5			550		MoKolii Ct	550	
5			550		Waialua Ct	550	
5			2650		Kawainui LANE	2650	Off N. Wahane
2			2700		Wainee	2700	Off Awehi Lane
2			300		Paia Court	300	
2			200		Auau	200	
2			160		Lopa ct	160	
5			2350		Kamaiki	2350	
2			2500		Molokini	2500	Off Awehi Lane
2			100		Llio Court	100	Off Molokini
2			3450		Hekili	3450	Off N. Wahane
2			200		Eke	200	
4			2550		Wailupe	2550	Off N. Wahane
		Total FEET	20,150		2,440		
					0.46		
		Miles	3.82				

PROPOSED ROAD PROJECTS –

October 2026 - September 2027 (Year 5 New Plan)

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
5			500		Puu Waa Waa East	500	Connects to Diamond Head
5			350		Halawa Ct.	350	off Puu Waa Waa above
5			2100		Pauwela	2100	
1			750		Kailua Lane	750	
5			760		Keahi Ct	760	
4			2880		Bali Hai Ln (previously Kolekole)	2880	West end off of Diamond Head
5			2330		Mokulua Ln (East)	2330	
1			1,420		Oahu Ct	1420	Off Nani Lane
1			330		Nani Lane	330	
1			650		Koa Ct	650	
4			1900		Palikea Cr	1900	
5			800		Hilea Ct	800	
5			1500		Keomuku Ln	1500	
5			750		Wahane Lane	750	Washout area to west
		Total Feet	17,020				
		Miles	3.22				

FUTURE ROADS
PENDING INCLUSION INTO THE PLAN ~ PAGE 1

Remaining Roads to Be Completed with other years or fit in where plausible

Unit		Collector Road	Total to be Paved		Street	Length Ft	Comments
5			200		Halawa Ct	200	
1			220		Reva/Lae Ct	220	
5			250		Kalihi Ct	250	
4			250		Pali Ct	250	
1			350		Koui Ct	350	
2			450		Moku Ct	450	
1			700		Kohala Lane	700	
2			1406		Wahane - E of Akaloa	1406	Lift Station
5			1800		Loke	1800	
1			2250		Aloha	2250	
1			1150		Hulu Ln	1150	
5			1150		Ahupu Lane	1150	
2			160		Alau Ct	160	
5			1450		Kahana E	1450	
5			3360		Diamond Head Dr.	3360	
2			250		Hana Ct	250	
5			200		Hawaii Ct	200	
5			230		Honolulu Ln	230	

FUTURE ROADS
PENDING INCLUSION INTO THE PLAN ~ PAGE 2

5			350	Howi Ln	350	
5			450	Huula Ct	450	
5			336	Kaala Drive	336	
4			4300	Kaukonahua Lane	4300	
5			950	Kawanui Dr	950	
5			150	Keehi Ct	150	
5			250	Koolau ct	250	
1			760	Lanai Ct	760	
5			450	Lanikai	450	
2			240	Mala Ct	240	
1			690	Maui Ct	690	Cliffside City road
2			190	Nuu Ct	190	
1			950	Okoe Ct (West)	950	
4			1600	Waikiki	1600	
5			400	Hoku	400	
5			2850	Waimanalo Ln	2850	
1			1100	Makaha East Mauna Kea to Aloha Ln	1100	DOES NOT CONNECT TO 71 - VERIFIED 3/9/21 PER CAD MAP
				TOTAL FROM REMAINING:	31842	
				Miles to Be Paved	6.0	

TOTAL MILES LEFT PER THIS PLAN **20.44**

THANK YOU

County Commissioner Mel Hamner

BEFCO Engineering

TVPOA & ACC Boards

BCWCID2 Staff and Board Members

As always, our many Thanks to everyone, for the hard work and dedication to the BCWCID2 community!!

Roads Pending with County from previous years

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
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1					Kula Ct	350	***COMPLETED***
1					Keo Kea	530	***COMPLETED***
2					Kolo Ct	350	***COMPLETED***
2					Kipahulu	3900	***COMPLETED***
2					Iao Court	400	***COMPLETED***
					Otani Court	600	***COMPLETED***
2					Kahalulu	3150	***COMPLETED***
2					Nakalele Lane	750	***COMPLETED***
1			760		E & W. Keamuku Ct	760	Needs chip seal
1			360		Ewa Ct	360	Needs completing w/ Keamuku
2		Feeder	1000		Onini	1000	Needs hill concreted instead of CS due to grade
2			450		Okoe Ct (East)	450	Needs chip seal
2			1200		Koali	1200	Needs chip seal
2			350		Pulehu Ct	350	Needs chip seal
		Total Feet	4120		7,160		
					1.36		
		Miles	0.78				

October 2022 - September 2023 (Year 1) Locked

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
2			2090		Koolua	2090	Off Awehi Lane
2			1,500		Haleakala Dr	1500	
			275		Taro Court	275	Old Kulkul court
2			180		Waihi Ct	180	OFF AKALOA
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4 & 5			3100		Waipahoehoe Dr	3100	
4			2550		Mokuleia Cr	2550	Off Akaloa. Pave full Circle
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4			950		Mokolea Lane	950	Connects Akaloa & Nanakuli
Total							
		Total Feet	15295		15,295		
					2.90		
		Miles	2.90				

October 2023 - September 2024 (Year 2 LOCKED)

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
1			1,260		E & W Wiamea Ct	1260	
1			350		Olai Court	350	Connector for Makaha & Wiamea
1		Feeder	3,400		Makaha East to Mauna Kea	3900	500 Ft done in 2018/19
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4			950		Kaaawa Lane East	950	West Off Akaloa by Wailupe
5			200		Manana Ct	200	
5			725		Kahana W	725	Off Awehi Lane
3			450		Lipoa	450	
			350		Upola Court		
		Total Feet	12,134				
		Miles	2.30				

October 2024 - September 2025 (Year 3 New Plan)

Unit		Collector Road	Total To Be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
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4			3300		Helemano Dr	3300	
5			3900		Iva Lane	3900	
		Total Feet	17900				
		Miles	3.39				

October 2025 - September 2026 (Year 4 New Plan)

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2			3450		Hekili	3450	Off N. Wahane
2			200		Eke	200	
4			2550		Wailupe	2550	Off N. Wahane
		Total FEET	20,150		2,440		
					0.46		
		Miles	3.82				

October 2026 - September 2027 (Year 5 New Plan)

Unit		Collector Road	Total to be Paved		Street	Length of Unpaved Road Measured by Feet	Comments
5			500		Puu Waa Waa East	500	Connects to Diamond Head
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5			2100		Pauwela	2100	
1			750		Kailua Lane	750	
5			760		Keahi Ct	760	
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5			800		Hilea Ct	800	
5			1500		Keomuku Ln	1500	
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4			250		Pali Ct	250	
1			350		Koui Ct	350	
2			450		Moku Ct	450	
1			700		Kohala Lane	700	
2			1406		Wahane - E of Akaloa	1406	Lift Station
5			1800		Loke	1800	
1			2250		Aloha	2250	
1			1150		Hulu Ln	1150	
5			1150		Ahupu Lane	1150	
2			160		Alau Ct	160	
5			1450		Kahana E	1450	
5			3360		Diamond Head Dr.	3360	
2			250		Hana Ct	250	
5			200		Hawaii Ct	200	
5			230		Honolulu Ln	230	

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5			350		Howi Ln	350	
5			450		Huula Ct	450	
5			336		Kaala Drive	336	
4			4300		Kaukonahua Lane	4300	
5			950		Kawanui Dr	950	
5			150		Keehi Ct	150	
5			250		Koolau ct	250	
1			760		Lanai Ct	760	
5			450		Lanikai	450	
2			240		Mala Ct	240	
1			690		Maui Ct	690	Cliffside City road
2			190		Nuu Ct	190	
1			950		Okoe Ct (West)	950	
4			1600		Waikiki	1600	
5			400		Hoku	400	
5			2850		Waimanalo Ln	2850	
1			1100		Makaha East Mauna Kea to Aloha Ln	1100	DOES NOT CONNECT TO 71 - VERIFIED 3/9/21 PER CAD MAP
			TOTAL FROM REMAINING:			31842	
					Miles to Be Paved	6.0	

TOTAL MILES LEFT PER <u>THIS</u> PLAN **20.44**