

Table 1 - Dickenson Road Group

Primary Project	Road Name and Water/Wastewater Projects Location	Transportation Projects	Water Projects	Wastewater Projects	Total Cost	EA Schedule	Notes
	Book Road, Dickenson Road Extension, & Dickenson Road (Highway 6 to Upper James)	R7, R9, R10, R11	B-29, B-30, B-31, B-32, B-33, B-34, B-63, B-64	C-12, C-13, C-14	\$ 37,957,000	C	These projects are short-term priority projects as they are foundational to the development of the AEGD.

Supporting Projects

TMP Timing	Road Name and Water/Wastewater Projects Location	Transportation Projects	Water Projects	Wastewater Projects	Total Cost	EA Schedule	Notes
Phase 2	Twenty Road (Glancaster to Upper James)	R12	-	C-18, C-19	\$ 14,384,000	C	These are high priority medium-term projects.
Phase 2	Collector 6N (Glancaster to Collector 6E)	R18	B-46, B-48, B-51	C-17a, C-17b, C-19b	\$ 11,050,000	C	These are high priority medium-term projects. R18 continues as R19 (Collector 6N).
Phase 1	Collector 6N (Collector 6E to Collector 7E)	R19	B-52	C-20a	\$ 4,436,000	C	R19 continues as R18 (Collector 6N).
Phase 1	Collector 6E (Collector 6N to Dickenson)	R26	B-53	C-19c	\$ 5,954,000	C	
Phase 1	Collector 7E (Dickenson to Upper James)	R27, R28	B-55, B-56	C-20	\$ 7,047,000	C	
Phase 2	Glancaster Road (Dickenson to Garner)	R3	B-12, B-58, B-66	C-13d	\$ 15,839,000	C	R3 continues as R24, P42 (Glancaster Road).
Phase 2	Garth Street Extension (Twenty Rd to Dickenson)	R5	B-49, B-50	C-18a, C-14a	\$ 13,527,000	C	
Phase 2	Collector 1E (Collector 6N to Dickenson)	R25	B-47	C-17	\$ 6,046,000	C	These are high priority medium-term projects.
Long-Term	Upper James (Alderlea to Homestead)	R4	-	-	\$ 9,780,000	C	
Phase 2	Garth Street Extension and Collector 1N (Dickenson to Southcote)	R6, R16	B-43, B-44, B-45	C-16	\$ 21,551,000	C	
Phase 2	Glancaster Road (Dickenson extension to Collector 1N)	R24	-	C-16f	\$ 2,454,000	B	R24 continues as P42 and R3 (Glancaster Road).
Phase 2	Glancaster Road (Collector 1N to Airport Boundary)	P42	-	C-16e	\$ 6,973,000	C	P42 continues as R24 and R3 (Glancaster Road).

Phase 2	Collector 2E (Collector 1N to Airport Boundary)	P43	-	-	-	\$ 3,270,000	C	B-59 not shown on Figure 2 of this implementation memo. It is shown on Figure 3 of the AEGD Water/Wastewater (W/WW) Servicing Master Plan 2016 Update. This project is not spatially aligned with a road project. The timing indicated in this table for B-59 reflects what was identified in the 2016 W/WW Update.
Phase 1	N/A	-	B-59	-	-	\$ 1,510,000	B	The timing indicated in this table for B-59 reflects what was identified in the 2016 W/WW Update.
Phase 1	N/A	-	-	-	C-19a	\$ 428,000	B*	The timing indicated in this table for C-19a reflects what was identified in the 2016 W/WW Update. This project is not spatially aligned with a road project.

B projects are slated to be on future road alignments. These projects may be re-classified as A+ schedule projects once the road right-of ways are established.*

Table 2 - Smith Road Group

Primary Project

TMP Timing	Road Name and Water/Wastewater Projects Location	Transportation Projects	Water Projects	Wastewater Projects	Total Cost	EA Schedule	Notes
Phase 1	Smith Road (Garner to Book)	R22, R23	B-5, B-9, B-23, B-24	C-5a, C-9	\$ 14,162,000	C	R23 (Smith Road) is the hydro corridor and was identified as Schedule B.
Phase 2	Garner Road (Fiddlers Green to Glancaster)	R8	-	C-3, C-5, C-6	\$ 16,845,000	C	Garner Road is also programmed in City's capital plan. These are high priority medium-term projects.

Supporting Projects

TMP Timing	Road Name and Water/Wastewater Projects Location	Transportation Projects	Water Projects	Wastewater Projects	Total Cost	EA Schedule	Notes
Phase 1	Southcode Road (Garner to Twenty Road Extension)	R1	B-4, B-11	C-4	\$ 8,081,000	C	R1 continues as R2 to Book Rd and then as R63.
Phase 1	Collector 10N (Garner to Smith)	R20	B-3, B-6	C-3a, C-4a, C-5b	\$ 4,194,000	C	R20 continues as R21 (Collector 10N).
Phase 1	Collector 10N (Smith to Collector 2W)	R21	B-7	C-5c	\$ 3,039,000	C	R21 continues as R22 (Collector 10 N).
Phase 1	Collector 2W (Garner to Collector 10N)	R31	B-8	-	\$ 3,841,000	C	R31 continues as R32 (Collector 2W).

Phase 2	Southcote Road (Twenty Road Extension to Book)	R2	B-20, B-22	C-8	\$ 7,949,000	C	R2 continues as R1 and R63 (Southcote Road).
Phase 2	Twenty Road Extension (Southcote to Glancaster)	R13	B-65, B-15	C-8a, C-9b, C-10a, C-11a, C-11b	\$ 11,437,000	C	
Phase 2	Book Road East (Collector 2W to Glancaster)	R17	B-28	C-13b	\$ 2,900,000	B	
Phase 2	Collector 2W (Collector 10N to Dickenson Rd Extension)	R32	B-10, B-26, B-27, B-61	C-10, C-13c	\$ 8,659,000	C	R32 continues as R31 (Collector 2W).
Phase 2	Collector 7N (Book to Southcote)	R33	B-19	C-7, C-8c	\$ 6,947,000	C	R33 continues as P40 (Collector 7N).
Phase 2	Collector 7N (Southcote to Collector 2W)	P40	-	-	\$ 4,670,000	C	P40 continues as R33 (Collector 7N).
Phase 2	N/A	-	B-1	C-1	\$ 708,000	B*	These w/ww projects are located south of R8 (Garner Road). They are not spatially aligned with a road project and are not shown on Figure 2 of this implementation memo. These projects (B-1 and C-1) can be found on Figures 3 and Figure 4 of the AEGD Water/Wastewater (W/WW) Servicing Master Plan 2016 Update. The timing indicated in this table for B-1 and C-1 reflects what was identified in the 2016 W/WW Update.
Phase 1	N/A	-	B-2	C-2, C-2a	\$ 2,026,000	B*	These w/ww projects are located north and south of R8 (Garner Road). They are not spatially aligned with a road project. The timing indicated in this table for B-2, C-2, and C-2a reflects what was identified in the 2016 W/WW Update.
Phase 2	N/A	-	B-62	C-13a	\$ 415,000	A+	These w/ww projects are located between R10 (Dickenson Road Extension) and R17 (Book Road East). They are not spatially aligned with a road project. The timing indicated in this table for B-62 and C-13a reflects what was identified in the 2016 W/WW Update.
Phase 2	N/A	-	-	C-11	\$ 506,000	B*	This wastewater project is located north of R13 (Twenty Road Extension). It is not spatially aligned with a road project. The timing indicated in this table for C-11 reflects what was identified in the 2016 W/WW Update.

B* projects are slated to be on future road alignments. These projects may be re-classified as A+ schedule projects once the road right-of-ways are established.

Table 3 - Additional Projects

Supporting Projects - North of Airport

TMP Timing	Road Name and Water/Wastewater Projects Location	Transportation Projects	Water Projects	Wastewater Projects	Total Cost	EA Schedule	Notes
Long-Term	Southcoke Road (Book to Collector 1N)	R63	B-37, B-40	C-15b, C-16a	\$ 4,628,000	C	The R63 road project will need to be coordinated with water/wastewater servicing in the Phase 1 or Phase 2 as necessary
Phase 2	Smith Road (Dickenson Road Extension to Collector 1N)	R64	B-39, B-41	C-16b	\$ 3,718,000	C	The P79 road project will need to be coordinated with water/wastewater servicing in the Phase 1 or Phase 2 as necessary
Long-Term	Collector 2N (Collector 7N to Smith)	P69	B-60, B-36, B-38	C-15	\$ 3,511,000	C	The P78 road project will need to be coordinated with water/wastewater servicing in the Phase 1 or Phase 2 as necessary
Long-Term	Smith Road (Collector 1N to Airport Boundary)	P78	-	C-16d	\$ 2,160,000	B	Continues south from road project R63. The timing indicated in this table for C-16c reflects what was identified in the 2016 W/WWV Update.
Phase 2	N/A	-	-	C-16c	\$ 136,000	A+	This project is not shown on Figure 2 of this implementation memo. The timing indicated in this table for this project reflects what was identified in the 2016 W/WWV Update.
Phase 1	N/A	-	-	Twenty Rd SPS Upgrade	\$ 954,000	A+	This project is not shown on Figure 2 of this implementation memo. It is shown on Figure 4 of the AEGD W/WWV Servicing Master Plan 2016 Update. The timing indicated in this table for this project reflects what was identified in the 2016 W/WWV Update.
Phase 1	N/A	-	-	C-22 Garner SPS	\$ 1,510,265	B**	This project is not shown on Figure 2 of this implementation memo. It is shown on Figure 4 of the AEGD W/WWV Servicing Master Plan 2016 Update. The timing indicated in this table for this project reflects what was identified in the 2016 W/WWV Update.

Phase 1	N/A	-	-	C-23 Foremain	\$ 365,000	B**	This project is not shown on Figure 2 of this implementation memo. It is shown on Figure 4 of the AEGD W/WWW Servicing Master Plan 2016 Update. The timing indicated in this table for this project reflects what was identified in the 2016 W/WWW Update.
Phase 2	N/A	-	B-13 Elevated Tank Project	-	\$ 6,970,000	B	This project is not shown on Figure 2 of this implementation memo. The timing indicated in this table for this project reflects what was identified in the 2016 W/WWW Update.

*B** projects are new projects and are still to be satisfied.*

Supporting Projects - South of Airport

TMP Timing	Road Name and Water/Wastewater Projects Location	Transportation Projects	Water Projects	Wastewater Projects	Total Cost	EA Schedule	Notes
Phase 1	Airport Road (Upper James to Terminal Access Road)	R14, R14b	-	-	\$ 2,400,000	B	These projects are not shown on Figure 2 of this implementation memo. They can be found in Figure 5 of the AEGD TMP 2016 Update.
Long-Term	Airport Service Road	R15	-	-	\$ 8,860,000	C	This project is not shown on Figure 2 of this implementation memo. It can be found in Figure 5 of the AEGD TMP 2016 Update.
Phase 1	N/A	-	B-57	C-21	\$ 1,110,000	B**	These projects are not shown on Figure 2 of this implementation memo. They are shown on Figures 3 and 4 of the AEGD W/WWW Servicing Master Plan 2016 Update. The timing indicated in this table for these projects reflects what was identified in the 2016 W/WWW Update.

*B** projects are new projects and are still to be satisfied.*