

Table 1 Transportation Utility Breakdown of TRIPs by Land Use Category

City of Wisconsin Rapids, WI

Trip and Cost Breakdown by ITE Categories		
ITE Categories	No. of Properties	No. of Trips (Daily
Totals:	7,400	340,000

Notes:

1. Source: Trip generation database developed by RA Smith.
2. Number of Trips per land use category developed through property analysis completed by raSmith using the Institute of Traffic Engineers (ITA) Trip Generation Manual.
3. Residential class includes single-family, multi-family, and mobile-home park customers.

Table 2 Transportation Utility Capital Improvement Plan By Scenario

City of Wisconsin Rapids, WI

Scenarios 2- and 2+

Projects	2022	2023	2024	2025	2026	Totals
Street Reconstruction	1,700,000	1,734,000	1,768,680	1,804,054	1,840,135	8,846,868
Actual CIP Costs	1,700,000	1,734,000	1,768,680	1,804,054	1,840,135	8,846,868

Sources of Funding - Scenarios 2- & 2+	2022	2023	2024	2025	2026	Totals
G.O. Debt	0	0	0	0	0	0
Revenue Debt	0	0	0	0	0	0
CDBG Grant	0	0	0	0	0	0
LRIP Grant	0	0	0	0	0	0
Special Assessment	0	0	0	0	0	0
User Fees	1,700,000	1,734,000	1,768,680	1,804,054	1,840,135	8,846,868
Tax Levy	0	0	0	0	0	0
Equipment Replacement Fund	0	0	0	0	0	0
Cash	0	0	0	0	0	0
Total	1,700,000	1,734,000	1,768,680	1,804,054	1,840,135	8,846,868

Notes:

1. All capital costs assumed to inflate by 2.0% annually.

Table 3 Transportation Utility Operating Budget - All Scenarios

City of Wisconsin Rapids, WI

Scenario 2-

Line Item	2022	2023	2024	2025	2026	5-Year Average
Total Operating Budget	0	0	0	0	0	0

Scenario 2+

Line Item	2022	2023	2024	2025	2026	5-Year Average
Operating and Maintenance Expenses	450,000	459,000	468,180	477,544	487,094	468,364

Notes:

1. Operating expenses inflated at 2.0% annually.

Table 4 Transportation Utility Revenue Requirements by Scenario

City of Wisconsin Rapids

Scenario 2-

Line Item	Test Year Budget	% Allocation to Function		\$ Allocation to Function	
	2022	Fixed	Trip	Fixed	Trip
Subtotal Operating Budget	0	10%	90%	0	0
Cash Funded Capital Improvement Projects (2022-2026 Avg)	1,769,374	10%	90%	176,937	1,592,436
Less:					
Transportation Aids	0	10%	90%	0	0
Miscellaneous Revenues	0	10%	90%	0	0
Total Scenario 2 Revenue Requirements	1,769,374	10%	90%	176,937	1,592,436

Scenario 2+

Line Item	2021	% Allocation to Function		\$ Allocation to Function	
		Fixed	Trip	Fixed	Trip
Subtotal Operating Budget	468,364	10%	90%	46,836	421,527
Cash Funded Capital Improvement Projects (2022-2026 Avg)	1,769,374	10%	90%	176,937	1,592,436
Less:					
Transportation Aids	0	0%	100%	0	0
Miscellaneous Revenues	0	0%	100%	0	0
Total Scenario 3 Revenue Requirements	2,237,737	10%	90%	223,774	2,013,964

Table 5 Transportation Utility Rate Calculations by Scenario

City of Wisconsin Rapids, WI

Scenario 2-

Calculation of Fixed Charge

Costs Allocated to Fixed Charge	\$176,937
Customers	7,400
Annual Fixed Charge	\$23.91

Calculation of Trip Charge

Costs Allocated to Trip Charge	\$1,592,436
Trips (Annual)	340,000
Cost per Trip (Annual)	\$4.68

Scenario 2+

Calculation of Fixed Charge

Costs Allocated to Fixed Charge	\$223,774
Customers	7,400
Annual Fixed Charge	\$30.24

Calculation of Trip Charge

Costs Allocated to Trip Charge	\$2,013,964
Trips (Annual)	340,000
Cost per Trip (Annual)	\$5.92

Table 6 Transportation Utility Summary of User Rates by Scenario

City of Wisconsin Rapids, WI

Proposed Charges by Scenario for a Single-Family Home

	Annual Fixed Charge	Annual Trip Rate	Trips/Day	Annual Utility Charge	Monthly Utility Charge
Scenario 2-	\$23.91	\$4.68	9.44	\$68.12	\$5.68
Scenario 2+	\$30.24	\$5.92	9.44	\$86.16	\$7.18

Proposed Charges by Scenario for a Multi-Use Retail Building

	Annual Fixed Charge	Annual Trip Rate	Trips/Day*	Annual Utility Charge	Monthly Utility Charge
Scenario 2-	\$23.91	\$4.68	544	\$2,571.81	\$214.32
Scenario 2+	\$30.24	\$5.92	544	\$3,252.58	\$271.05

*Based on a 11,025 square feet multi-use retail building.

Proposed Charges by Scenario for a Fast Food Restaurant

	Annual Fixed Charge	Annual Trip Rate	Trips/Day*	Annual Utility Charge	Monthly Utility Charge
Scenario 2-	\$23.91	\$4.68	1,412.85	\$6,641.19	\$553.43
Scenario 2+	\$30.24	\$5.92	1,412.85	\$8,399.15	\$699.93

*Based on a 3,000 square foot facility with drive through.

Proposed Charges by Scenario for a Church

	Annual Fixed Charge	Annual Trip Rate	Trips/Day*	Annual Utility Charge	Monthly Utility Charge
Scenario 2-	\$23.91	\$4.68	83.40	\$414.53	\$34.54
Scenario 2+	\$30.24	\$5.92	83.40	\$524.25	\$43.69

*Based on a 12,000 square foot stand alone church facility without a school.

Proposed Charges by Scenario for a Bank Building

	Annual Fixed Charge	Annual Trip Rate	Trips/Day*	Annual Utility Charge	Monthly Utility Charge
Scenario 2-	\$23.91	\$4.68	792.00	\$3,733.35	\$311.11
Scenario 2+	\$30.24	\$5.92	792.00	\$4,721.59	\$393.47

*Based on a 18,000 square foot bank building that has both an office and bank function.

Proposed Charges by Scenario for an Office Building

	Annual Fixed Charge	Annual Trip Rate	Trips/Day*	Annual Utility Charge	Monthly Utility Charge
Scenario 2-	\$23.91	\$4.68	33.00	\$178.47	\$14.87
Scenario 2+	\$30.24	\$5.92	33.00	\$225.71	\$18.81

*Based on a 2,832 square foot office building.