

A5: FRA Forecast Comparisons



Comparison of Average Trip lengths (2020)

In miles	Baseline	MWRRS	FRA
Chi-Det	205	216	192
Chi-Mpls	141	150	N/A
Chi-Stl	183	194	211
Chi-GRR	135	139	N/A
Mil-GB	61	63	N/A

Comparison of Average Fares per passenger mile (2020)

cents/PM	Baseline	MWRRS	FRA
Chi-Det	0.11	0.18	0.156
Chi-Mpls	0.20	0.26	N/A
Chi-Stl	0.15	0.23	0.167
Chi-GRR	0.20	0.21	N/A
Mil-GB	0.18	0.18	N/A

MWRRS Forecast Components

Elements	2010		2020	
	Revenue (Millions)	Ridership (Millions)	Revenue (Millions)	Ridership (Millions)
Chicago-St. Louis Corridor (FRA)			\$60.0	1.70
Chicago-St. Louis Corridor (MWRRS)	\$47.4	.97	\$54.0	1.12
Chicago-St. Louis Corridor (FRA/MWRRS)			\$42.0	1.48
Cross Chicago Trips	\$13.3	.30		
Cross St. Louis Trips	\$4.0	.09		
Bus Feed Trips/Zone Specification	\$2.0	.13		
Total MWRRS Network	\$66.5	1.48		

¹ 20% of CHI-St. Louis Corridor Ridership

² 6% of CHI-St. Louis Corridor Ridership

³ Bus Feeder and Total Disaggregated Zone Pairs Effect

⁴ 3A Report Forecasts

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Model Assumptions for 2020
Chicago - St. Louis Corridor
Based on 110 mph Avg Speed

Model Inputs	FRA	MWRRS	
Trip Time (hrs)	3.6	3.6	
Average Fare	\$35	\$45	
Yield (cents/mile)	.167	.30	
Trains per day	13	9	
Average Trip Length	211		
Seat Miles	746		
Number of Stations	5	10	
Bus Feeder Network	No	Yes	
Number of Corridors	1	9	

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**Chicago - St. Louis Corridor Forecast
FRA vs. MWRRS Assumptions
2010**

	2010	
Models	Revenue <small>(Millions)</small>	Ridership <small>(Millions)</small>
TEMS/FRA	\$42.7	0.97
TEMS/MWRRS	\$66.5	1.48
<i>Difference</i>	<i>\$19.3</i>	<i>.51</i>

¹ Source: TEMS 3A Report

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