



Hillsborough TPO
Transportation
Planning Organization

Access 2050 Plan Needs Assessment for Major Projects: Performance Data

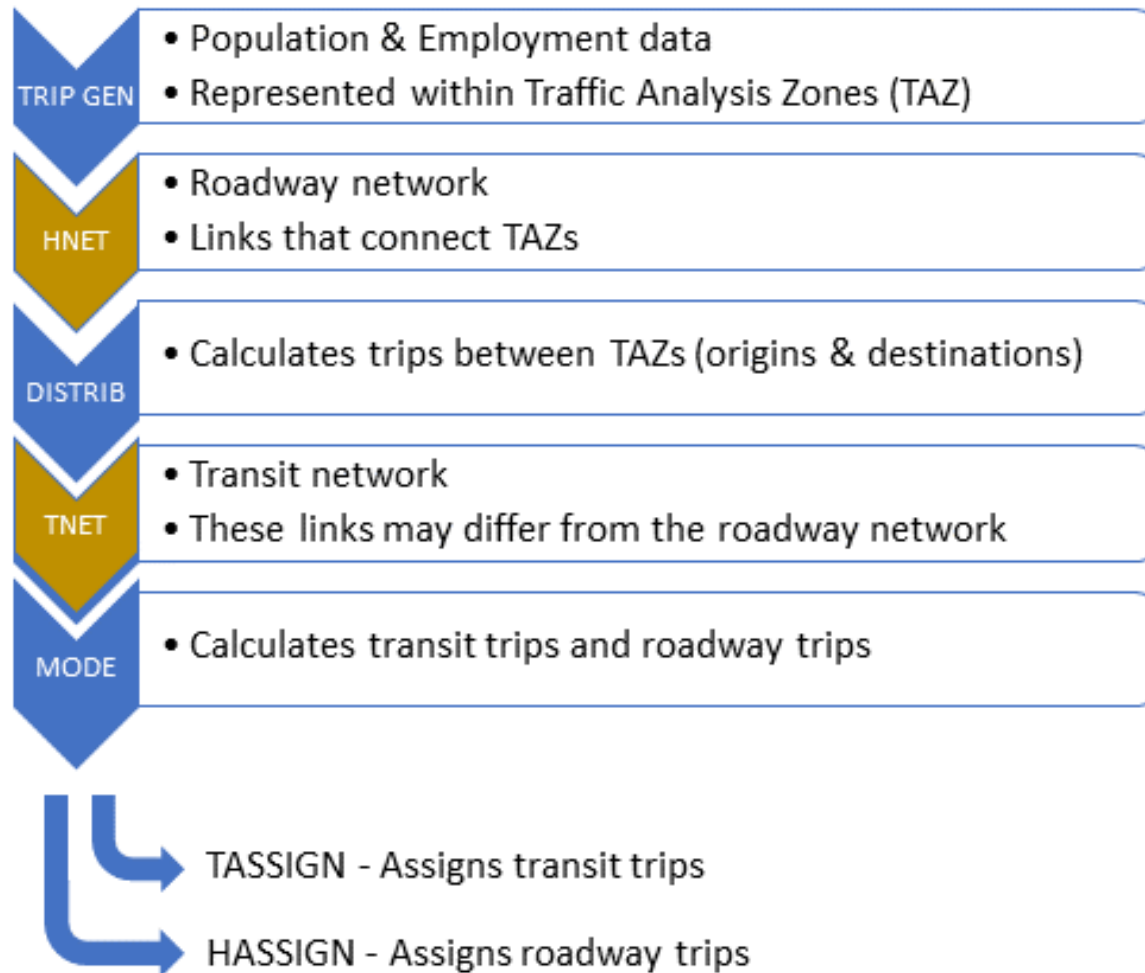
2050 Long Range Transportation Plan (LRTP)

April 2024



planhillsborough.org

Tampa Bay Regional Planning Model (TBRPM)



Metrics

- Transit Ridership
- Person Hours of Delay
- Access to Jobs
- Planning Time Index
- Reliability Index
- Auto Travel Time
- Transit Travel Time

Transit Access to Jobs

{APPENDIX TO THE MEMO - PERFORMANCE METRICS ASSESSMENT TABLES}

TRANSIT ACCESSIBILITY

Project	Type	Score	Rank	Peak Transit Access	Off-Peak Transit Access
Airport to Downtown Transit (Scenario 2)	Transit	14.1	14.0	11%	31%
I-275 Managed Lanes (Scenario 2)	Managed Lanes	24.0	6.0	9%	-1%
South Tampa Rail (Scenario 3)	Transit	20.8	8.0	5%	2%
USF Brandon Rail (Scenario 6)	Transit	5.8	22.0	4%	5%
I-275 Managed Lanes (Scenario 3)	Managed Lanes	18.4	10.0	4%	1%
US 41 Rail (Scenario 1)	Transit	2.1	25.0	0%	0%
TECO Streetcar Extension (Scenario 9)	Transit	0.1	28.0	0%	37%
I-275 Managed Lanes (Scenario 9)	Managed Lanes	10.0	17.0	0%	8%

Auto Access to Jobs

AUTO ACCESSIBILITY

Project	Type	Score	Rank	Change in Accessibility (Positive is good)	
				Peak Auto Access	Off-Peak Auto Access
Suncoast Parkway (Scenario 4)	Capacity	38.5	3.0	41%	1%
SR 60 (Scenario 4)	Capacity	20.8	7.0	33%	-12%
I-75 Interchange (Scenario 6)	Interchange	4.5	23.0	21%	4%
Crosstown US 301 (Scenario 10)	Managed Lanes	37.5	4.0	19%	8%
Metrorapid Brandon (Scenario 7)	Transit	18.4	11.0	18%	-1%
I-75 Managed Lanes (Scenario 7)	Managed Lanes	35.5	5.0	18%	-3%
I4 Managed Lanes (Scenario 1)	Managed Lanes	51.0	1.0	15%	-4%
I-75 Interchange (Scenario 4)	Interchange	8.7	19.0	15%	-24%
Lithia Pinecrest (Scenario 3)	Capacity	41.8	2.0	11%	4%
I-275/US-41 Interchange (Scenario 7)	Interchange	10.2	16.0	11%	0%
US 41 Rail (Scenario 1)	Transit	2.1	25.0	6%	0%
I-275 (Scenario 5)	Capacity	13.5	15.0	3%	0%
CR 672 (Scenario 8)	Capacity	9.1	18.0	2%	0%
I-275 Managed Lanes (Scenario 9)	Managed Lanes	10.0	17.0	2%	0%
I-275 Managed Lanes (Scenario 3)	Managed Lanes	18.4	10.0	1%	0%
USF Brandon Rail (Scenario 6)	Transit	5.8	22.0	1%	0%
US 92 (Scenario 2)	Capacity	14.8	13.0	1%	1%
South Tampa Rail (Scenario 3)	Transit	20.8	8.0	0%	0%
TECO Streetcar Extension (Scenario 9)	Transit	0.1	28.0	0%	0%
I-275 Managed Lanes (Scenario 2)	Managed Lanes	24.0	6.0	0%	0%
US 301 BRT (Scenario 10)	Transit	1.3	27.0	0%	2%
Balm Road (Scenario 5)	Capacity	8.6	20.0	0%	4%

Planning Time Index

PLANNING TIME INDEX

Project	Type	Score	Rank	Change in Planning Time Index (Negative is good)				
				AM	MD	PM	EV	All
Suncoast Parkway (Scenario 4)	Capacity	38.5	3.0	-5.9	-2.1	-5.6	0.0	-2.8
Lithia Pinecrest (Scenario 3)	Capacity	41.8	2.0	-4.8	-2.8	-4.0	0.0	-2.8
I-75 Managed Lanes (Scenario 7)	Managed Lanes	35.5	5.0	-2.8	-2.3	-2.7	0.0	-1.8
Crosstown US 301 (Scenario 10)	Managed Lanes	37.5	4.0	-1.8	-1.9	-2.2	0.0	-1.5
I4 Managed Lanes (Scenario 1)	Managed Lanes	51.0	1.0	-2.4	-1.6	-2.1	0.0	-1.4
CR 39 (Scenario 6)	Capacity	19.5	9.0	-1.1	-2.1	-1.3	0.0	-1.3
US 92 (Scenario 2)	Capacity	14.8	13.0	-1.7	-1.5	-2.2	0.0	-1.3
I-275 (Scenario 5)	Capacity	13.5	15.0	-1.3	-1.4	-1.6	0.0	-1.1
Balm Road (Scenario 5)	Capacity	8.6	20.0	-2.0	-0.2	-1.6	0.0	-0.9
CR 672 (Scenario 8)	Capacity	9.1	18.0	-2.0	-0.2	-1.6	0.0	-0.9
I-275 Managed Lanes (Scenario 9)	Managed Lanes	10.0	17.0	-1.1	-0.8	-0.9	0.0	-0.7
I-275 Managed Lanes (Scenario 2)	Managed Lanes	24.0	6.0	-1.0	-0.9	-0.6	0.0	-0.6
SR 60 (Scenario 4)	Capacity	20.8	7.0	-0.8	-0.5	-1.5	0.0	-0.6
I-275 Managed Lanes (Scenario 3)	Managed Lanes	18.4	10.0	-1.2	-0.6	-1.0	0.0	-0.6
I-275/US-41 Interchange (Scenario 7)	Interchange	10.2	16.0	-0.9	-0.5	-0.9	0.0	-0.5
I-75 Managed Lanes (Scenario 8)	Managed Lanes	15.1	12.0	-0.1	-0.7	-0.1	0.0	-0.3
Gandy Bridge (Scenario 10)	Managed Lanes	1.4	26.0	-0.5	0.0	-0.2	0.0	-0.1
I-75 Interchange (Scenario 4)	Interchange	8.7	19.0	-0.3	0.3	-1.2	0.0	-0.1

Reliability Index

RELIABILITY INDEX

Targets:

- SIS – 70%
- Non-SIS – 50%

Project	Type	Score	Rank	Change in Reliability Index (Negative is good)				
				AM	MD	PM	EV	All
Lithia Pinecrest (Scenario 3)	Capacity	41.8	2.0	-3.0	-1.2	-2.6	0.0	-1.5
Suncoast Parkway (Scenario 4)	Capacity	38.5	3.0	-2.7	-0.7	-2.5	0.0	-1.1
I-75 Managed Lanes (Scenario 7)	Managed Lanes	35.5	5.0	-1.4	-1.0	-1.4	0.0	-0.9
I4 Managed Lanes (Scenario 1)	Managed Lanes	51.0	1.0	-1.5	-0.8	-1.3	0.0	-0.8
Crosstown US 301 (Scenario 10)	Managed Lanes	37.5	4.0	-1.0	-0.9	-1.3	0.0	-0.8
CR 39 (Scenario 6)	Capacity	19.5	9.0	-0.5	-0.8	-0.7	0.0	-0.6
US 92 (Scenario 2)	Capacity	14.8	13.0	-0.9	-0.5	-1.1	0.0	-0.5
I-275 (Scenario 5)	Capacity	13.5	15.0	-0.8	-0.5	-0.9	0.0	-0.5
I-275 Managed Lanes (Scenario 9)	Managed Lanes	10.0	17.0	-0.6	-0.4	-0.5	0.0	-0.3
I-275 Managed Lanes (Scenario 2)	Managed Lanes	24.0	6.0	-0.5	-0.4	-0.4	0.0	-0.3
I-275 Managed Lanes (Scenario 3)	Managed Lanes	18.4	10.0	-0.6	-0.3	-0.5	0.0	-0.3
Balm Road (Scenario 5)	Capacity	8.6	20.0	-0.7	0.0	-0.5	0.0	-0.3
CR 672 (Scenario 8)	Capacity	9.1	18.0	-0.7	0.0	-0.5	0.0	-0.3
SR 60 (Scenario 4)	Capacity	20.8	7.0	-0.4	-0.2	-0.6	0.0	-0.3
I-75 Managed Lanes (Scenario 8)	Managed Lanes	15.1	12.0	-0.1	-0.3	-0.1	0.0	-0.2
I-275/US-41 Interchange (Scenario 7)	Interchange	10.2	16.0	-0.3	-0.1	-0.3	0.0	-0.2
I-75 Interchange (Scenario 4)	Interchange	8.7	19.0	0.0	0.1	-0.6	0.0	-0.1

Auto Travel Time

AUTO TRAVEL TIME

Project	Type	Score	Rank	Change in Auto Travel Time Minutes (Negative is good)				
				AM	MD	PM	EV	All
I4 Managed Lanes (Scenario 1)	Managed Lanes	51.0	1.0	-44.4	-11.8	-44.2	-2.0	-20.8
Lithia Pinecrest (Scenario 3)	Capacity	41.8	2.0	-23.8	-5.6	-28.6	-1.2	-12.7
CR 39 (Scenario 6)	Capacity	19.5	9.0	-18.7	-7.5	-20.8	-3.5	-12.3
Crosstown US 301 (Scenario 10)	Managed Lanes	37.5	4.0	-17.9	-5.4	-17.3	0.2	-8.5
I-75 Interchange (Scenario 4)	Interchange	8.7	19.0	-5.3	-5.4	-5.4	-5.4	-5.4
I-75 Managed Lanes (Scenario 7)	Managed Lanes	35.5	5.0	-9.7	-3.2	-15.0	3.1	-4.6
I-275 Managed Lanes (Scenario 3)	Managed Lanes	18.4	10.0	-6.1	-3.0	-4.5	-1.7	-3.5
SR 60 (Scenario 4)	Capacity	20.8	7.0	-3.6	-1.9	-6.6	-0.2	-2.8
US 92 (Scenario 2)	Capacity	14.8	13.0	-3.7	-2.3	-4.0	-1.6	-2.7
Suncoast Parkway (Scenario 4)	Capacity	38.5	3.0	-3.5	-1.9	-3.9	-1.6	-2.4
I-75 Managed Lanes (Scenario 8)	Managed Lanes	15.1	12.0	-1.4	-2.9	-2.1	0.0	-1.8
I-275 Managed Lanes (Scenario 9)	Managed Lanes	10.0	17.0	-3.1	-1.3	-2.6	-0.2	-1.6
I-275 Managed Lanes (Scenario 2)	Managed Lanes	24.0	6.0	-2.7	-0.9	-2.0	0.0	-1.2
I-275 (Scenario 5)	Capacity	13.5	15.0	-2.0	-0.9	-2.1	0.0	-1.1
CR 672 (Scenario 8)	Capacity	9.1	18.0	-1.4	-0.3	-1.0	-0.2	-0.7

Transit Travel Time

TRANSIT TRAVEL TIME

Project	Type	Score	Rank	Change in Transit Travel Time Minutes (Negative is good)	
				Peak Period	Off-Peak Period
I-75 Managed Lanes (Scenario 8)	Managed Lanes	15.1	12.0	-2.2	1.0
I-275 Managed Lanes (Scenario 2)	Managed Lanes	24.0	6.0	-2.1	-1.7
Crosstown US 301 (Scenario 10)	Managed Lanes	37.5	4.0	-1.8	1.7
Airport to Downtown Transit (Scenario 2)	Transit	14.1	14.0	-1.5	-3.7
SR 60 (Scenario 4)	Capacity	20.8	7.0	-1.5	0.0
USF Brandon Rail (Scenario 6)	Transit	5.8	22.0	-0.5	-0.3
TECO Streetcar Extension (Scenario 9)	Transit	0.1	28.0	0.1	-3.3
US 41 Rail (Scenario 1)	Transit	2.1	25.0	0.8	0.2
South Tampa Rail (Scenario 3)	Transit	20.8	8.0	1.1	0.4
Metrorapid Brandon (Scenario 8)	Transit	6.9	21.0	1.2	-1.1
US 301 BRT (Scenario 10)	Transit	1.3	27.0	1.5	0.2
Metrorapid Brandon (Scenario 7)	Transit	18.4	11.0	13.3	1.6

Questions?

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