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# **Technical Advisory Committee**

**Monday, July 9, 2018**

**Regular Session**

## **Item J1**

### **Discussion on Revising the LRTP Fiscally Constrained Highway Project Listing**

Staff Contact: John Collins PE, Public Works Director

## GIAMPO Memo

**To:** Technical Advisory Committee

**From:** Allan Zafft, MPO Program Manager

**Date:** June 22, 2018

**Subject:** LRTP Fiscally Constrained Highway Project Listing

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During the May 21 TAC meeting, I discussed the revisions to the highway financial projections in the Long Range Transportation Plan (LRTP). In summary, the anticipated expenditures (Operation & Maintenance Costs, Non-Regional Related Costs, Committed Transportation Improvement Program Projects, and Fiscally Constrained Projects) exceed the anticipated revenue. Therefore, several projects need to be removed from the Fiscally Constrained Highway Project Listing to balance the LRTP.

There is an estimated \$14,886 million available for use towards Fiscally Constrained Projects. At the July 9 TAC meeting, the TAC will evaluate the Fiscally Constrained Highway Project Listing to decide which projects to remove from the list. Enclosed is a packet that includes the Fiscally Constrained Highway Project Listing. This packet includes the following information:

- Pages 1-2, GIAMPO Fiscally Constrained Project Listing 2021-2025
- Pages 3-4, GIAMPO Fiscally Constrained Project Listing 2026-2040
  - Pages 1-4 show the following information for each project – Project ID, Project Name, Project Description, From and To, Jurisdiction, Total Cost (\$1,000) for Current Year, Future Year 2021-2025, and Future Year 2026-2040, Length, Functional Classification, Traffic Count, Crashes (2012-2016), Congestion 2025 E+C, Congestion 2040 E+C, and Pavement Condition.
  - The Total Cost (\$1,000) for Future Year 2021-2025 will be the amount used to decide which projects to remove from the Fiscally Constrained Project Listing.
- Page 5, GIAMPO Illustrative Project Listing
  - Page 5 shows less information on each project because the LRTP has already identified these projects as being outside the anticipated revenues in the future.
- Figure 5-2: Traffic Congestion on Year 2025 Existing Plus Committed Network
- Figure 5-3: Traffic Congestion on Year 2040 Existing Plus Committed Network
  - During the development of the LRTP, the travel demand model identified locations of traffic congestion that could be expected in the year 2025 and 2040, if only the following committed projects were constructed – Capital Avenue widening between Webb Rd and Broadwell Ave, US-30 Realignment, Stolley Park

Page 1 of 2

Reconfiguration, and I-80 Interchanges – Deployment of Automated Gate Systems and CCTV Cameras. The locations of expected traffic congestion are shown in Figure 5-2 for year 2025 and Figure 5-3 for year 2040.

- Map of LRTP Project Listing 2021-2040
  - This map shows the location of each project in the Fiscally Constrained Project Listing for 2021-2025 and 2026-2040. Project Name: Intersection Improvements is excluded from the map.

Please review the enclosed packet of information prior to the July 9 TAC meeting.

GIAMPO Fiscally Constrained Project Listing 2021-2025									
Project ID	Project Name	Project Description	From	To	Jurisdiction	Total Cost (\$1,000) Current Year	Total Cost (\$1,000) Future Year 2021-2025	Total Cost (\$1,000) Future Year 2026-2040	Available Fiscal Constrained (\$1,000)
2016 - 2025									\$14,886
B-2a	Old Potash Highway	Widen to 5 lanes	Claude Road	Webb Road	Grand Island	\$4,559	\$6,000	\$8,881	
	Intersection Improvements	Improvements at various intersections	Various	Various	Grand Island	\$3,500	\$4,606	\$6,818	
B-3a	Stuhr Road	Widen to 3 lanes	US-30	BNSF RR	Grand Island	\$9,656	\$12,707	\$18,810	
B-8	Husker Highway	Widen to 3 lanes	US-281	North Road	Grand Island	\$4,947	\$6,510	\$9,637	
B-7	Stolley Park Road	Widen to 3 lanes	Fair Ground Entrance	Stuhr Road	Grand Island	\$2,183	\$2,873	\$4,252	
B-1a	Capital Avenue	Widen to 5 lanes	Broadwell Avenue	BNSF RR/Oak Street	Grand Island	\$3,438	\$4,524	\$6,697	
B-6	13th Street	Widen to 3 lanes	West of US-281	Independence Avenue	Grand Island	\$4,193	\$5,518	\$8,168	
17	Locust Street	Reconstruct	Koenig Street	Fonner Park Road	Grand Island	\$3,800	\$5,000	\$7,401	
					Total 2021-2025	\$36,276	\$47,739	\$70,665	\$14,886

GIAMPO Fiscally Constrained Project Listing 2021-2025								
Project ID	Project Name	Length (SLM)	Functional Classification	Traffic Count	Crashes (2012-2016)	Congestion 2025 E+C*	Congestion 2040 E+C**	Pavement Condition***
B-2a	Old Potash Highway	0.5	Major Collector	6,088 - 9,611	149	Near Congestion - East of Kaufman to Webb	Near Congestion - Claude to west of Diers, east of Wilmar to Webb; Congestion - west of Diers to east of Wilmar	Claude to Diers (89-91 Excellent), Diers to US-281 S (73 Good), US-281 N to Webb (45-47 Marginal)
	Intersection Improvements	-	-	-	-	-	-	-
B-3a	Stuhr Road	0.6	Minor Arterial	5,382-7,547	97	Congestion - US-30 to Swift	Near Congestion - BNSF RR to Swift; Congestion - Swift to US-30	US-30 E to Bismark (77-79 Very Good)
B-8	Husker Highway	1.0	Minor Arterial	4,590	67	-	-	North to US-281 S (88-91 Excellent)
B-7	Stolley Park Road	0.6	Minor Collector	3,621	9	-	-	Kingswood to Stuhr (57 Fair)
B-1a	Capital Avenue	0.6	Minor Arterial	7,691-9,577	54	Near Congestion - BNSF RR to Sycamore; Congestion - Sycamore to Broadwell	Near Congestion - BNSF RR to Sycamore; Congestion - Sycamore to Broadwell	Broadwell to Ashley Park (94 Excellent), Broadwell to Locust (77-80 Very Good), Locust to Oak (54-57 Marginal-Fair)
B-6	13th Street	1.3	Minor Arterial	3,025-5,186	80	-	-	Branding Iron Redwood (72 Good), Redwood to Cedar Ridge (75-81 Very Good), Cedar Ridge to Diers (59 Fair), Diers to US-281 N (67 Good)
17	Locust Street	0.8	Minor Arterial	12,431 - 16,972	122	-	Near Congestion - Fonner Park to South	SB - Walnut to Louise (81 V Good), Louise to Schuff (67 Good), Schuff to John (84 V Good), John to Anna (86 Excellent), Anna to Phoenix (75-76 V Good), Phoenix to Anderson (55-64 Fair), Anderson to South (71 Good), South to Fonner Park (75 V Good); NB - Koenig to Ashton (79-81 V Good), Ashton to Schuff (65 Good), Schuff to Delaware (55-64 Fair), Delaware to Anderson (77 V Good) Anderson to South (71 Good), South to Fonner Park (61 Fair)

\* Congestion 2025 Existing + Committed Network (Figure 5.2 map)

\*\* Congestion 2040 Existing + Committed Network (Figure 5.3 map)

\*\*\*Pavement Condition: 85-100 Excellent, 75-84 Very Good, 65-74 Good, 55-64 Fair, 45-54 Marginal, 30-44 Poor, 0-29 Very Poor

GIAMPO Fiscally Constrained Project Listing 2026-2040									
Project ID	Project Name	Project Description	From	To	Jurisdiction	Total Cost (\$1,000) Current Year	Total Cost (\$1,000) Future Year 2021-2025	Total Cost (\$1,000) Future Year 2026-2040	Available Fiscal Constrained (\$1,000)
2026-2040									\$14,886*
B-4	North Road	Widen to 3 lanes	Highway 2	Old Potash Highway	Grand Island	\$11,081	\$14,583	\$21,586	
	Intersection Improvements	Improvements at various intersections	Various	Various	Grand Island	\$3,764	\$4,953	\$7,332	
2	Stuhr Bridges over BNSF and UPRR	Engineering			Grand Island	\$2,048	\$2,695	\$3,990	
B-3b	Stuhr Road	Widen to 3 lanes	BNSF RR	US-34	Grand Island	\$9,656	\$12,707	\$18,810	
B-1b	Capital Avenue	Widen to 3 lanes	BNSF RR/Oak Street	St Paul Road	Grand Island	\$1,781	\$2,344	\$3,469	
B-1c	Capital Avenue	Widen to 3 lanes	Dairy Queen	Engleman Road	Grand Island	\$5,700	\$7,501	\$11,104	
B-2b	Old Potash Highway	Widen to 3 lanes	Engleman Road	Claude Road	Grand Island	\$5,269	\$6,934	\$10,264	
4	Broadwell over UPRR and Broadwell Extension	Broadwell Avenue Widening (5-lane)	Faidley Avenue	Third Street	Grand Island	\$3,900	\$5,132	\$7,597	
5		Broadwell UPRR bridge				\$13,000	\$17,108	\$25,324	
6		Broadwell Extension (3-lane)	Anna Street	Adams Street		\$4,900	\$6,448	\$9,545	
11	13th St. - 10th St. Connector	Reconstruct	W 13th Street	10th Street	Grand Island	\$600	\$790	\$1,169	
Total 2026-2040						\$61,699	\$81,196	\$120,190	\$14,886

\* Carryover amount from 2021-2025

GIAMPO Fiscally Constrained Project Listing 2026-2040								
Project ID	Project Name	Length (SLM)	Functional Classification	Traffic Count	Crashes (2012-2016)	Congestion 2025 E+C*	Congestion 2040 E+C**	Pavement Condition***
B-4	North Road	2.7	Minor Arterial	2,695 - 5,854	75	-	-	Hwy 2 to Montana (66 Good), Montana to Kay (55-61 Fair), Kay to Norseman (53 Marginal), Norseman to Boston (42 Poor), Boston to Manchester (55-64 Fair), Manchester to Cannon (50 Marginal), Cannon to 13th (91-98 Excellent), 13th to Driftwood (61 Fair), Driftwood to Greenwood (54 Marginal), Greenwood to Old Potash (57-64 Fair)
	Intersection Improvements	-	-	-	-	-	-	-
2	Stuhr Bridges over BNSF and UPRR	-	Minor Arterial (BNFS)	5,382-7,547	6 (BNSF)	-	Near Congestion - BNSF	-
B-3b	Stuhr Road	2.4	Minor Arterial/Major Collector	5,382-6,234	48	-	-	Swift to Bismark (79 V Good), Bismark to Sunset (71-72 Good), Sunset to Hall (77 V Good), Hall to Nebraska (74 Good), Nebraska to Fonner Park (76 V Good), Fonner Park to Stolley Park (60 Fair), Stolley Park to US-34 (46-51 Marginal)
B-1b	Capital Avenue	0.4	Minor Arterial	7,691	17	Near Congestion - BNSF RR to Illinois	Near Congestion - BNSF RR to Illinois	Oak to Capital Trailer (51 Marginal), Capital Trailer to St. Paul (57-64 Fair)
B-1c	Capital Avenue	1.6	Minor Arterial	1,791-6,222	53	-	Near Congestion - Dairy Queen (Carleton) to Grove	Engleman to Northwest (82-83 V Good), Northwest to Independent (85 Excellent), Independence to Macron (78 V Good), Macron to Jay (73 Good), Jay to North (61-64 Fair), North to Grove (72 Good), Grove to Carleton (82 V Good)
B-2b	Old Potash Highway	1.5	Major Collector	1,744-6,088	21	-	-	Engleman to Buffalo Grass (86 Excellent), Buffalo Grass to Cherokee (76-77 V Good), Cherokee to North (58-64 Fair), North to Claude (92-93 Excellent)
4	Broadwell over UPRR and Broadwell Extension	0.4	Minor Arterial	9,982-12,494	178	Near Congestion - Faidley to 4th, UPRR bridge to 2nd; Congestion - 4th to UPRR bridge	Near Congestion - Faidley to 5th, UPRR bridge to 2nd; Congestion - 5th to UPRR bridge	6th to 3rd (88-93 Excellent)
5		-	Minor Arterial	9,982	20	Near Congestion and Congestion - Broadwell UPRR Bridge	Near Congestion and Congestion - Broadwell UPRR Bridge	-
6		0.3	-	-	-	Near Congestion - Anna from Broadwell to Monroe	Near Congestion - Anna from Broadwell to Monroe	-
11	13th St. - 10th St. Connector	0.3	-	-	-	-	-	-

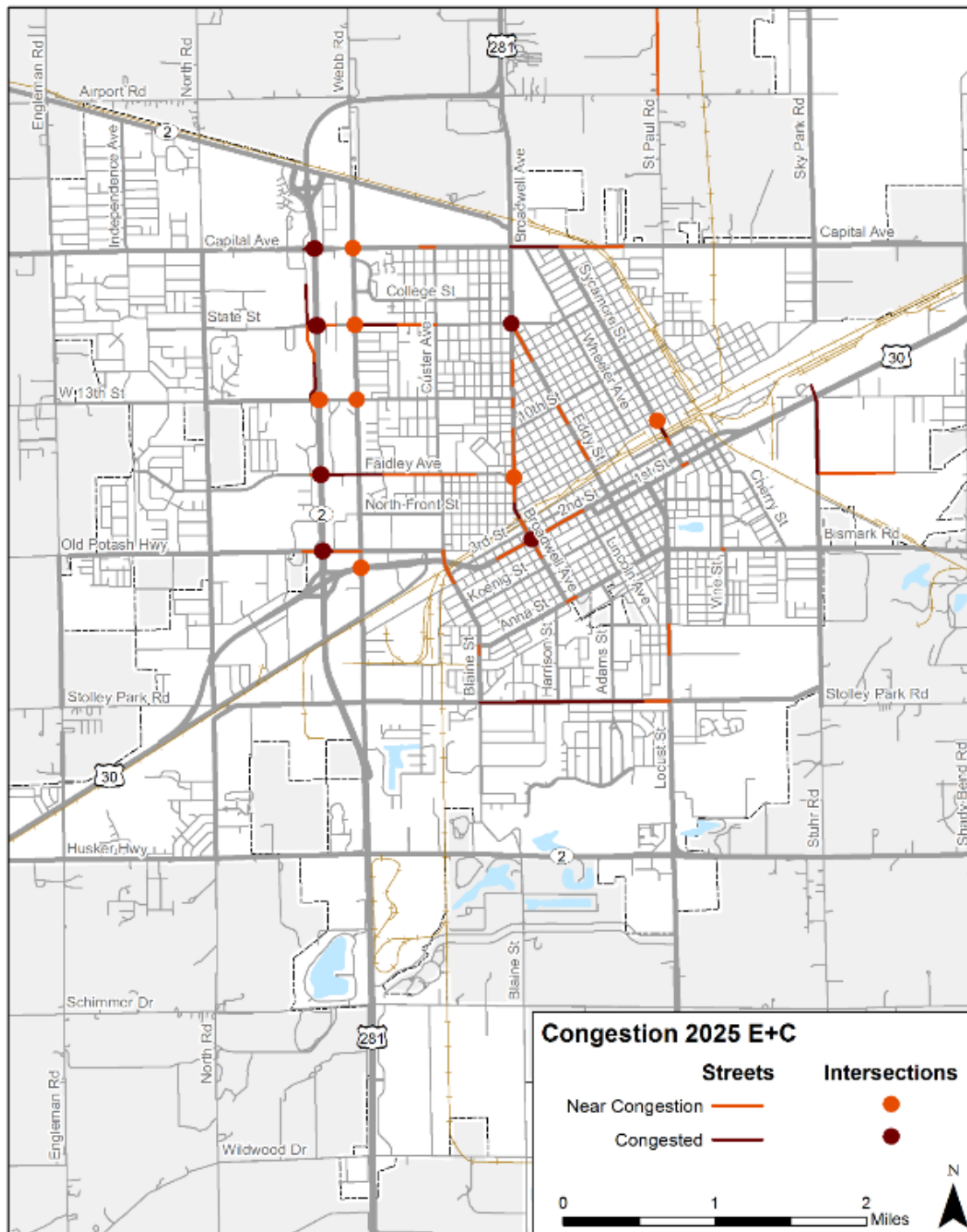
\* Congestion 2025 Existing + Committed Network (Figure 5.2 map)

\*\* Congestion 2040 Existing + Committed Network (Figure 5.3 map)

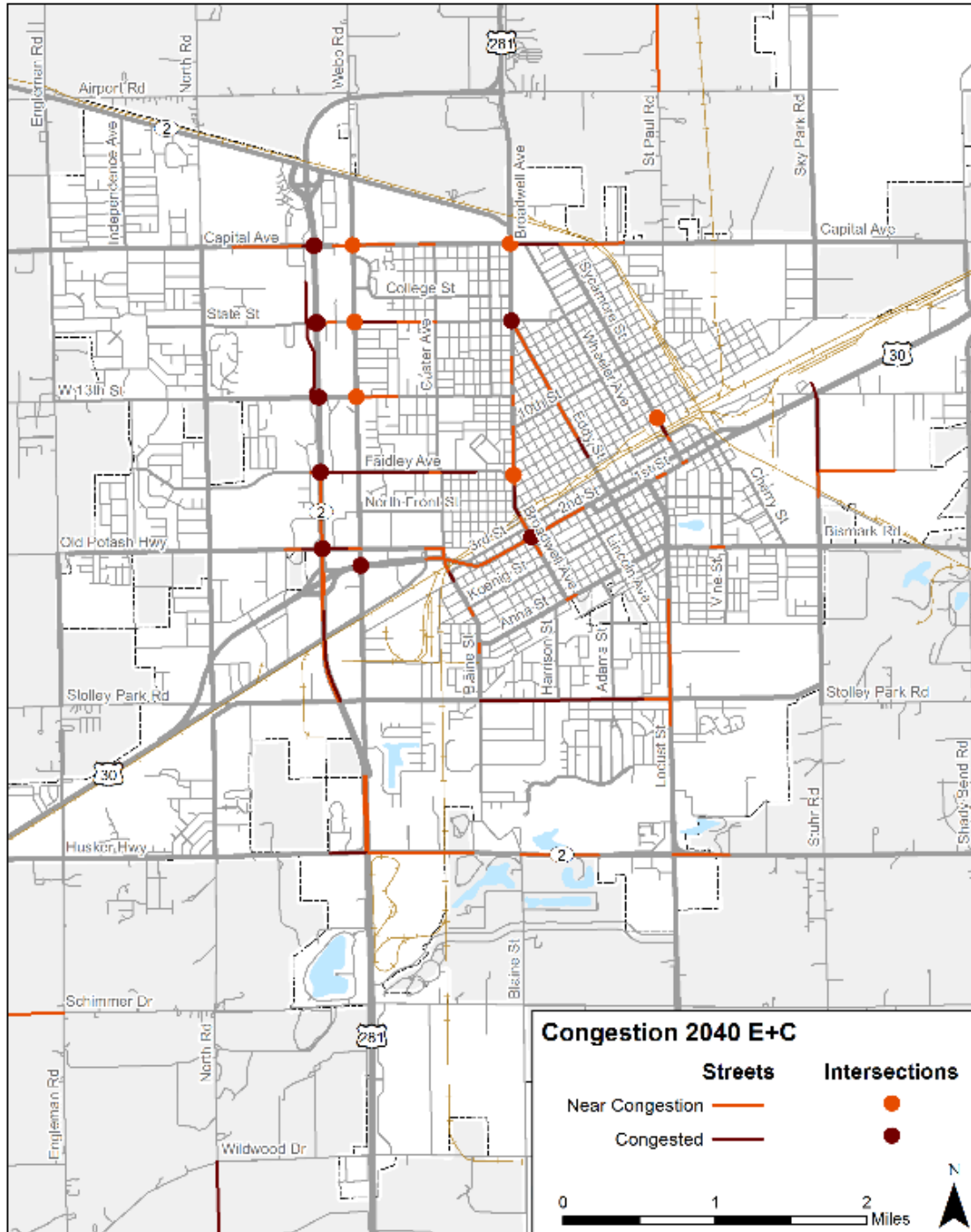
\*\*\*Pavement Condition: 85-100 Excellent, 75-84 Very Good, 65-74 Good, 55-64 Fair, 45-54 Marginal, 30-44 Poor, 0-29 Very Poor

GIAMPO Illustrative Project Listing								
Project ID	Project Name	Project Description	From	To	Jurisdiction	Total Cost (\$1,000) Current Year	Total Cost (\$1,000) Future Year	Available Fiscal Constrained (\$1,000)
Illustrative Project 2040+								
B-5	Swift Road	New 2-lane road	Talc Road	Shady Bend Road	Grand Island	\$3,150	\$6,136	
7	North Road and UPRR Bridge	Widen to 3 lanes; new 2-lane bridge	Old Potash Hwy	Husker Hwy	Grand Island	\$16,200	\$31,558	
9	Broadwell over BNSF	Widen to 5 lanes	Capital Avenue	Airport Road	Grand Island	\$14,300	\$27,856	
		Realign Old Highway 2 to connect Custer Avenue						
		New 4-lane bridge						
3	Eddy Street Extension	New 2-lane Road	Phoenix Avenue	Locust Street	Grand Island	\$3,300	\$6,428	
12	Alda Road and UPRR Bridge	New 2-lane bridge	Apollo Street	Hwy 30	Grand Island	\$11,300	\$22,012	
15	East Bypass (5-lanes)	5-lane Stolley Park Road	Locust Street	Stuhr Road	Grand Island	\$2,500	\$4,870	
		5-Lane Stuhr Road / Sky Park Road	US-34	Capital Avenue		\$11,875	\$23,133	
		5-lane Husker Hwy	US-281	Stuhr Road		\$18,750	\$36,525	
		5-lane Capital Avenue	BNSF RR/Oak Street	Sky Park Road		\$20,375	\$39,691	
16	East Bypass US-281 to I-80	4-lane Expressway	I-80	US 281	Grand Island	\$78,750	\$153,405	
2	Stuhr Road bridge over UPRR	New 4-lane bridges	Highway 30	4th Street	Grand Island	\$15,952	\$31,074	
	Stuhr Road bridge over BNSF	New 4-lane bridge			Grand Island	\$11,000	\$21,428	

**Figure 5-2: Traffic Congestion on Year 2025 Existing Plus Committed Network**



**Figure 5-3: Traffic Congestion on Year 2040 Existing Plus Committed Network**



# L RTP Project Listing 2021 - 2040



GIAMPO



## Legend

Grand Island City Limits

Railroad

## Road Projects

### Project ID

11

17

4

5

6

B-1a

B-1b

B-1c

B-2a

B-2b

B-3a

B-3b

B-4

B-6

B-7

B-8

