

## A M E N D M E N T 2 :

Amendment 2 details a list of amendments that was approved by the SIMPCO MPO Policy Board on March 1, 2018. A resolution approving all amendments and modifications can be found at the end of this document. The following is a list of the approved amendment:

1. North Sioux City Trail along Streeter Drive between River Drive and Bruneau Drive needs to be programed for a total of \$326,000 and \$245,000 in federal aid.

With this amendment, other administrative modifications had to be made due to the impact of these amendments. Within this document all amendments and modifications that were made to Chapter 8 can be found.

This Amendment can be found within Chapter 8. With the addition of two projects a redemonstration of fiscal constraint was needed. SIMPCO staff took this time to not only update all projects from 2016-2040, but was also able to update funding targets. Since the 2040 SIMPCO MPO LRTP was approved a new transportation bill called Fixing America's Surface Transportation (FAST) Act has been put into place. With this the Surface Transportation Program (STP) was changed to the Surface Transportation Block Grant (STBG) Program. Along with this came new funding targets for STBG, which staff has shown throughout the various tables and graphs that break down the SIMPCO MPO's funding. With the new targets for STBG funding, both road projects were able to be amended into the 2040 LRTP without any current projects being removed from their respective time bands.

## CHAPTER 8

### OTHER FEDERAL REVENUE SOURCES

For the remaining federal revenue sources, average revenue was determined over the 10 year period FY 2010 through 2019, and then the average number, remaining constant, was projected out to 2040. The average revenue by funding source from FY 2010 through 2019 is shown in Figure 8.2 while the estimated revenue out from 2020 through 2040 is shown in Table 8.1 (page 8-11).

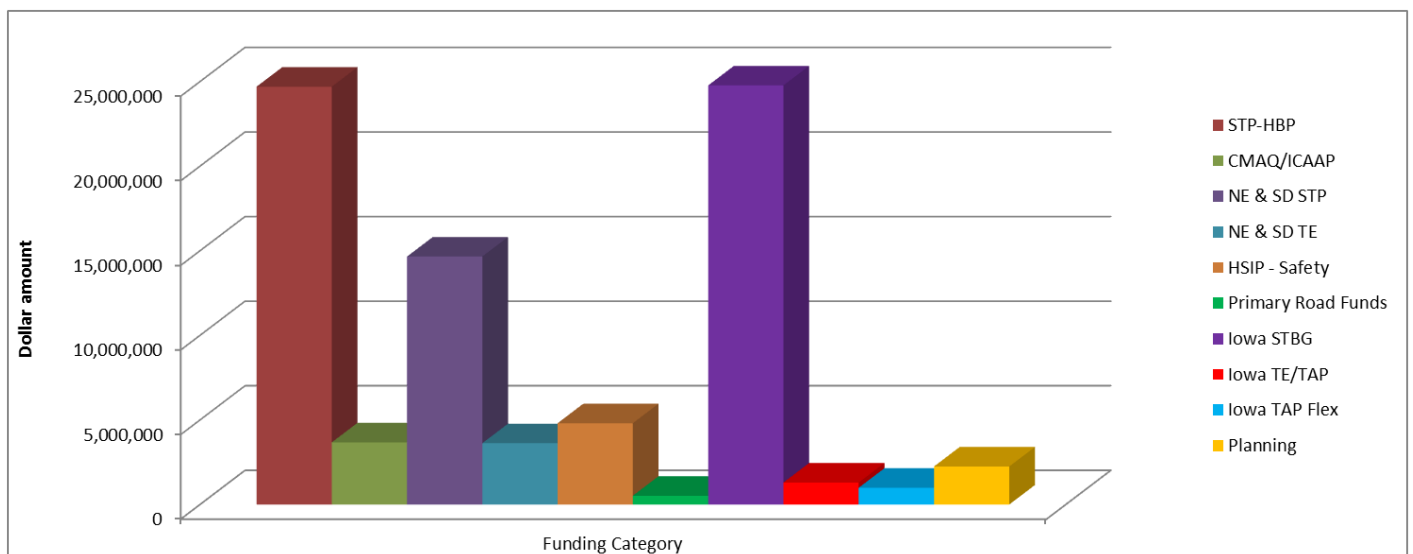


Figure 8.2: Average Revenue by Funding Source 2010- 2019. Source: MPO TIPs

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**2040 REVENUE FORECASTS**

Table 8.1 shows the 2020 through 2040 revenue forecasts. A total of \$306,341,828 in Federal funds is estimated for bicycle/pedestrian and roadway projects. This number is based on the average past/programmed federal revenue from FY 2010 through FY 2019, which can be found in Appendix C, and then the average number. The remaining constant, was then projected out to 2040, with the exception of IM and NHPP/NHS revenue projections from these sources are based off of pre I-29 construction. For forecasting purposes the I-29 reconstruction project costs were not included in determining future revenue sources. The reconstruction of I-29, which the SIMPCO MPO has not seen a seen a major reconstruction project since it was built in the 1950s, is a unique project for the MPO area thus will be examined separately.

With I-29 nearing completion, NHPP 2020-2040 estimates was used by taking future Iowa DOT projects, reoccurring bridge cleaning and painting, and a historical average from the Interstate Maintenance program. This average was taken before the I-29 reconstruction, which was \$2,397,000 carried out with a 3% inflation rate. Table 8.2 shows the past and programmed funds which will be used to complete the I-29 reconstruction project. In addition, Table 8.3 shows the estimated federal revenue to transit.

**Table 8.1:** Estimated Federal Roadway Revenue by Funding Source FY 2020 – FY 2040.

Roadway Revenue Source	2020-2029 Estimate	2030-2040 Estimate
STP-HBP	24,693,333	27,162,667
NHPP	60,530,000	67,795,600
CMAQ/ICAAP	3,673,333	4,040,667
NE & SD STP	14,657,333	16,123,067
NE & SD TE	<b>3,916,989</b>	3,987,488
HSIP - Safety	4,806,000	5,286,600
Primary Road Funds	520,000	572,000
Iowa STBG	24,770,000	27,247,000
Iowa TE/TAP	1,300,000	1,430,000
Iowa TAP Flex	990,000	1,089,000
Planning	2,246,833	2,471,517
<b>Total</b>	<b>142,103,823</b>	<b>157,205,605</b>
State Revenue*	41,476,667	45,624,333
Local Revenue**	45,807,047	50,387,751

\*State Revenue sources include but not limited to: road use tax fund, gas tax, Time-21, RISE, statewide enhancement programs, and safety programs

\*\*Local Revenues sources include but not limited to: General fund, property taxes, special taxes and assessments.

Source: MPO TIPS

**A M E N D M E N T 2 :**

**PROGRAMMED TRANSPORTATION PROJECTS 2016 – 2019**

**Table 8.7: South Dakota Projects 2016 – 2029**

Sponsor Name	Control Number/Project #/Location/Desc	Project Funding	Pgmd Amnts in \$1,000's			
			FY16	FY 17	FY 18	FY 19
<b>Interstate Maintenance (IM)</b>			Inclusion in this DOES NOT guarantee Federal Aid Eligibility			
SD DOT	IM 0291(126)1 I29, Dakota Dunes Interchange - Exit Signal	<b>Project Total</b>	<b>\$296</b>			
		Federal Aid	\$135			
		State	\$161			
		Local				
SD DOT	IM 0291 (122)0 N. Sioux City Interchange Over River Street. Over Big Sioux River @ Iowa Board. I29P over I29, 1.9 N or N Sioux City Interchange; SD 50 over I29; Over I29, 6.0 N SD46 Interchange: Deck Overlay, approach slabs and approach guardrail epoxy ship seal, abutment and column repair and joint modification	<b>Project Total</b>		<b>\$2,279</b>		
		Federal Aid		\$2,073		
		State		\$206		
		Local				
<b>Pavement Preservation Projects</b>			Inclusion in this DOES NOT guarantee Federal Aid Eligibility			
SD DOT	IM-P 0023(44) I29N, I29S, SD19, SD50, SD52 Various Routes in the Yankton Area Joint and Spall Repair	<b>Project Total</b>	<b>\$1,897</b>			
		Federal Aid	\$1,554			
		State	\$343			
		Local				
South Dakota Projects Cont.						
Sponsor Name	Control Number/Project #/Location/Desc	Project Funding	Pgmd Amnts in \$1,000's			
			FY16	FY 17	FY 18	FY 19
<b>Roadway Safety Improvements</b>			Inclusion in this DOES NOT guarantee Federal Aid Eligibility			
SD DOT	PH 8064 (29) Various Counties, City and Township Roads in Union county  Signing and Delineation	<b>Project Total</b>	<b>\$1,089</b>			
		Federal Aid	\$1,089			
		State	\$0			
		Local	\$0			
SD DOT	PH 0020 (128) Various locations on the State System in the Mitchell Region Durable Pavement Marking	<b>Project Total</b>	<b>\$561</b>			
		Federal Aid	\$561			
		State	\$0			
		Local	\$0			
SD DOT	PH 0020 (141) Mitchell Region Corridor Signing, PE	<b>Project Total</b>	<b>\$1,020</b>			
		Federal Aid	\$1,020			
		State	\$0			
		Local	\$0			
SD DOT	PH 0020 (131) Various locations on the State System in the Mitchell Region	<b>Project Total</b>		\$572		
		Federal Aid		\$572		
		State		\$0		
		Local		0		
SD DOT	PH 0020 (143) Mitchell Region Corridor Signing, PE	<b>Project Total</b>		<b>\$1,040</b>		
		Federal Aid		\$1,040		
		State		\$0		
		Local		\$0		
Sponsor Name	Control Number/Project #/Location/Desc	Project Funding	Pgmd Amnts in \$1,000's			
			FY16	FY 17	FY 18	FY 19
<b>Bridge Projects</b>			Inclusion in this DOES NOT guarantee Federal Aid Eligibility			
SD DOT	P 0020(156) Regionwide Mitchell Region Bridge Rehabilitation	<b>Project Total</b>		<b>\$312</b>		
		Federal Aid		\$256		
		State		\$56		
		Local				
SD DOT	P 0020(157) Regionwide Mitchell Region Bridge Rehabilitation	<b>Project Total</b>			<b>\$212</b>	
		Federal Aid			\$0	
		State			\$212	
		Local				
<b>PL - Metropolitan Planning</b>			Inclusion in this DOES NOT guarantee Federal Aid Eligibility			
SIMPCO	FHWA Transportation Programs Planning	<b>Project Total</b>	<b>\$60.2</b>	<b>\$60.2</b>	<b>\$60.2</b>	<b>\$60.2</b>
		Federal Aid	\$49.3	\$49.3	\$49.3	\$49.3
		State				
		Local	\$12.3	\$12.3	\$12.3	\$12.3
<b>TAP- Transportation Alternatives Program</b>			Inclusion in this DOES NOT guarantee Federal Aid Eligibility			
North Sioux City	P TAPU(21) North Sioux City Trail along Streeter Dr. Between River Dr. and Bruneau Dr. PE, CE and Trail Construction	<b>Project Total</b>			<b>\$34.0</b>	
		Federal Aid			\$26.0	
		State				
		Local			\$8.0	

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**Table 8.9: Planned Trails 2016 – 2040**

TAP Projects for 2016-2019 - Sioux City								
Time Frame	PGM	SPONSOR	LOCATION	TYPE WORK	YOE	Federal	Local Share	
<b>2016-2019</b>								
2017	City	Sioux City	Outer Drive North Trail Connection, from Outer Drive and Floyd Blvd. intersection north to Jefferson Street and connecting with existing Floyd Trail.	Trail Construction	\$1,836,600	\$869,480	\$967,120	In Plan
2016	City	Sioux City	Milwaukee RR Shops: Roundhouse Building Enhancements: Milwaukee RR Shops Historic District	Historic Preservation	\$523,000	\$366,000	\$157,000	In Plan
2017	City	Sioux City	Riverfront Trail Connection	Trail Construction	\$2,740,000	\$127,000	\$2,613,000	In Plan
2017	City	Sioux City	Perry Creek Trail from Stone Park Boulevard to Outer Drive North	Trail Construction	\$1,000,000	\$291,000	\$709,000	In Plan
<b>Total</b>					<b>\$6,099,600</b>	<b>\$1,653,480</b>	<b>\$4,446,120</b>	

SIMPICO MPO TAP Projects for 2020-2040									
Time Frame	PGM	SPONSOR	LOCATION	TYPE WORK	2015 Cost	YOE	Federal	Local Share	
<b>2020-2029</b>									
2020 - 2029	TAP	Sergeant Bluff	First St: Gaul Dr. to Lakeport Rd	Trail Construction	259,000	\$337,000	\$270,000	\$67,000	In Plan
2020 - 2029	TAP	Sergeant Bluff	Warrior Road: South Lewis Blvd Drive to Old Lakeport Rd.	Trail Construction	\$160,000	\$218,000	\$174,000	\$44,000	In Plan
2020 - 2029	TAP	Sergeant Bluff	Sioux City Connection: First Street North to Ridge Road	Trail Construction	\$703,000	\$1,000,000	\$600,000	\$400,000	In Plan
2020 - 2029	TAP	Sioux City	Highway 12 Trail: Phase I	Trail Construction	\$352,400	\$400,000	\$103,520	\$296,480	In Plan
2020 - 2029	TAP	Sioux City	Highway 12 Trail: Phase II	Trail Construction	\$352,400	\$335,000	\$103,520	\$231,480	In Plan
2020 - 2029	TAP/Various	Sioux City	Sergeant Bluff Connector	Trail Construction	\$2,400,000	\$2,990,836	\$207,040	\$2,783,796	In Plan
2020 - 2029	TAP	Sioux City	Floyd Blvd Trail: Outer Dr. North to 46th St	Trail Construction	\$560,000	\$765,010	\$281,920	\$483,090	In Plan
2020	TAP	North Sioux City	North Sioux City along Streeter Dr. between River Dr. and Bruneau Dr.	PE, CE, and Construction	Amendment**	\$292,000	\$219,000	\$73,000	In Plan
<b>Total</b>					<b>\$4,786,800</b>	<b>\$6,337,846</b>	<b>\$1,959,000</b>	<b>\$4,378,846</b>	
<b>2030-2040</b>									
2030 - 2040	TAP	Sergeant Bluff	First Street: Sergeant Square Drive to Port Neal Road	Trail Construction	\$260,000	\$422,000	\$338,000	\$84,000	In Plan
2030 - 2040	TAP	Sergeant Bluff	Charles Floyd Trail Extension: Rec Complex & South Lewis Blvd to 1st Street & South Lewis Blvd	Trail Construction	\$224,000	\$434,000	\$347,000	\$87,000	In Plan
2020 - 2029	Various Funding	Sioux City	Floyd River Valley Trail Connector	Trail Construction	\$765,000	\$1,474,685	\$1,179,748	\$294,937	In Plan
<b>Total</b>					<b>\$1,249,000</b>	<b>\$2,330,685</b>	<b>\$1,864,748</b>	<b>\$465,937</b>	

## 2040 FINANCIAL SUMMARY

Table 8.10 FY 2016 through 2040 Funding Summary, shows the SIMPCO MPO transportation finances for the 2040 LRTP. The table illustrates the estimated transportation revenues and expenditures from FY 2016 to FY 2040. The expenditures are divided by Transit, Bicycle and Pedestrian and Streets and Highway projects and split between three time bands of FY 2016 – 2019, 2020 – 2029 and 2030 - 2040. As noted earlier in this chapter, revenues were estimated based on the FY 2010 through FY 2019 planning efforts as demonstrated in the approved Transportation Improvement Programs (TIP). The projections assume that for the state of Iowa, the STP, TAP, Transit 5307 funds, and Transit 5310 funds will remain constant through 2040. For the remaining revenue sources (NHPP, STP-HBP, CMAQ/ICAAP, HSIP, Nebraska and South Dakota STP and TAP), an average was determined over the ten 10 year period FY 2010 through 2019, and then the average number, remaining constant, projected out to 2040.

Transportation expenditures are based on the proposed transportation projects as listed in Tables 8.4 - 8 (pages 8-9-14) of this chapter. The total expenses as listed in Table 8.11 are estimated to be approximately **\$995,716,393** (Federal/State/Local). This includes Transit, Bicycle/Pedestrian and Streets/Highway projects.

While there was an effort to list every possible roadway project between 2016 through 2040, it is recognized not every roadway transportation project is identified in Tables 8.7-8. Unforeseen transportation projects relating to preservation, maintenance, and replacing the existing roadways should be accounted for within the plan. To address this issue, it has been estimated that a percentage of the roadway revenues will be used to fund unforeseen roadway expenses. As seen in Tables 8.7 and 8.8 a total of \$114 million has been set aside for such projects and listed under the Iowa DOT, NDOR and SD DOT. A positive balance of **\$123,058,273** as shown in Table 8.8 (page 8-23) not only allows for any unexpected project but also indicates a fiscally constrained plan.

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The MPO realize that needs may change overtime. The first four years of this plan include projects of top priority and are currently listed in the MPO's current TIP. However, the final prioritization and implementation schedule for FY 2016 – 2040 will be based upon the MPOs current needs, and funding availability. The jurisdiction responsible for each project will need to approve funding prior to its implementation.

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**Table 8.10 Funding Summary**

Estimated Expenditures by Mode (YOE)	2016 - 2019			2020 - 2029			2030 - 2040			Total Estimated Expenses			Total	
	Federal	State	Local	Federal	State	Local	Federal	State	Local	Federal	State	Local		
<b>Transit</b>														
Estimated Operating & Capital	\$14,679,568	\$1,725,576	\$9,041,508	\$35,917,170	\$4,313,940	\$22,603,770	\$40,368,812	\$4,745,334	\$24,864,147	\$90,965,550	\$10,784,850	\$56,509,425	\$158,259,825	
<b>Bicycle &amp; Pedestrian</b>														
Estimated Trail Projects	\$1,768,583	-	\$443,646	\$5,842,989	-	\$1,497,247	\$5,945,488	-	\$1,486,372	\$13,557,061	-	\$3,427,265	\$16,984,326	
<b>Streets &amp; Highways</b>														
Estimated Operation & Maintenance Costs		\$15,045,814			\$49,764,976			\$82,746,466					<b>Total Operations &amp; Maintenance</b>	<b>\$147,557,256</b>
Estimated Project Cost (I-29 not included)	\$145,131,260	\$978,000	\$13,092,252	\$125,473,900	\$23,241,025	\$43,776,200	\$145,723,880	\$22,562,550	\$29,379,920	\$416,329,040	\$46,781,575	\$86,248,372	\$549,358,987	
Estimated Project Cost: I-29 Reconstruction	\$122,824,000	\$732,000	-	-	-	-	-	-	-	\$122,824,000	\$732,000	-	\$123,556,000	
<b>Total Project Cost</b>	<b>\$267,955,260</b>	<b>\$1,710,000</b>	<b>\$13,092,252</b>	<b>\$125,473,900</b>	<b>\$23,241,025</b>	<b>\$43,776,200</b>	<b>\$145,723,880</b>	<b>\$22,562,550</b>	<b>\$29,379,920</b>	<b>\$539,153,040</b>	<b>\$47,513,575</b>	<b>\$86,248,372</b>	<b>\$672,914,987</b>	
										<b>Total Estimated Street &amp; Highway Costs:</b>			<b>\$820,472,243</b>	
													<b>Total Estimated Expenditure</b>	<b>\$995,716,393</b>

Estimated Revenues by Mode	2016 - 2019			2020 - 2029			2030 - 2040			Total Estimated Revenues			Total	
	Federal	State	Local	Federal	State	Local	Federal	State	Local	Federal	State	Local		
<b>Transit</b>														
Estimated Operatin & Capital + Revenue	\$14,679,568	\$1,725,576	\$9,041,508	\$35,917,170	\$4,313,940	\$22,603,770	\$40,368,812	\$4,745,334	\$24,864,147	\$90,965,550	\$10,784,850	\$56,509,425	\$158,259,825	
<b>Bicycle &amp; Pedestrian</b>														
Estimated Trail Projects Funding	\$1,794,583	-	\$451,646	\$5,623,989	-	\$1,424,247	\$5,945,488	-	\$1,486,372	\$13,364,061	-	\$3,362,265	\$16,726,326	
<b>Streets &amp; Highways</b>														
Estimated Operation & Maintenance Funding		\$15,045,814			\$49,764,976			\$82,746,466					<b>Total Operations &amp; Maintenance</b>	<b>\$147,557,256</b>
Estimated Project Funding (I-29 not included)	\$145,341,260	\$978,000	\$13,482,252	\$149,880,167	\$41,476,667	\$45,807,047	\$166,080,783	\$45,624,333	\$50,387,751	\$461,302,210	\$88,079,000	\$109,677,050	\$659,058,260	
Estimated Project Funding: I-29 Reconstruction	\$122,824,000	\$14,349,000	-	-	-	-	-	-	-	\$122,824,000	\$14,349,000	-	\$137,173,000	
<b>Total Project Revenues</b>	<b>\$268,165,260</b>	<b>\$15,327,000</b>	<b>\$13,482,252</b>	<b>\$149,880,167</b>	<b>\$41,476,667</b>	<b>\$45,807,047</b>	<b>\$166,080,783</b>	<b>\$45,624,333</b>	<b>\$50,387,751</b>	<b>\$584,126,210</b>	<b>\$102,428,000</b>	<b>\$109,677,050</b>	<b>\$796,231,260</b>	
										<b>Total Estimated Street &amp; Highway Revenues:</b>			<b>\$943,788,516</b>	
													<b>Total Estimated Revenues</b>	<b>\$1,118,774,666</b>