

## Grand Forks - East Grand Forks Metropolitan Planning Organization

### **MPO Staff Report** **Technical Advisory Committee: February 8, 2012** **MPO Executive Board: February 22, 2012**

**RECOMMENDED ACTION: Recommend the approval of FY2012-15 TIP amendment to the MPO Executive Board.**

Matter of the Public Hearing (being held February 22nd) on FY2012-15 TIP Amendment.

**Background:** After the MPO adopts a four year TIP, amendments may need to be process when a project cost estimate changes significantly or the scope of the project changes. There are projects in previous TIP that are being re-scoped to identify the purchases with federal funds; FY2012 Annual Element of the 12-15 TIP will be amended to reflect these past TIP projects. With the adoption of the NDDOT STIP, some decisions were made to revised projects between the time the MPO approved its TIP and the NDDOT adopting the STIP.

The projects being amended into the Annual Element identifies how the City of Grand Forks will use FTA 5309 capital funds. Grand Forks was awarded \$383,277 in federal funds. The last TIP action was processed in November, 2011. After reviewing that request, the City finalized the specific projects to be funded with the amount awarded. The significant change in scope causes this to be an amendment. Grand Forks was also awarded FTA 5309 capital funds totaling \$286,000. The last TIP action was processed in June, 2010. The City has finalized the specific projects to be funded with the amount reward.

NDDOT has requested we amend the TIP to change the scope and cost estimate for a project programmed for FY2013. The project involves US #2 with the work being changed from microsurfacing to a slurry seal and the cost now identified as \$724,000 with \$586,000 in federal funds.

NDDOT also requested we add a new project into the TIP, which will likely occur in 2013. It is a districtwide signing project for retroreflectivity. Some of the activity may involve signs in the MPO Study Area; hence, the request to amend into the TIP. The total cost is \$1.7M with \$1.53M in federal.

As part of its commitment to public involvement, the MPO conducts a public hearing to receive public comment on any proposed amendment.

**Findings and Analysis:**

- Projects have been awarded federal funds.
- The proposed projects are consistent with the MPO Long Range Transportation Plan.
- A Public Hearing is scheduled for Fed 22nd at the Board meeting; written comments are being accepted until Noon, Fed 22nd.

**Support Materials:**

- Copy of City Staff Report and past TIP Sheets.
- Copy of Email from NDDOT.
- Copy of Public Hearing Notice.

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**City of Grand Forks**  
**Staff Report**  
**Service/Safety Committee January 10, 2012**  
**City Council January 17, 2012**

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**Agenda Item: FY 2009 and 2010 Federal Transit Administration (FTA) 5309 Capital Funds Transportation Improvement Plan (TIP) Amendments and Public Transportation Informational Update**

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**Submitted by:** Todd Feland, Director of Public Works  
Dale Bergman, Public Transportation Asset Manager

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**Staff Recommended Action: Approve the attached FY 2009 and 2010 FTA 5309 TIP Amendments and approve forwarding to the Grand Forks/East Grand Forks Metropolitan Planning Organization (MPO) for final approval.**

**The FY 2009 FTA 5309 TIP amendment relates to better integrating service improvements with the University of North Dakota (UND) through integrating the City of Grand Forks' (City) Automated Vehicle Location (AVL) system with UND. The amendment will provide for the following: The total AVL project cost with UND is \$22,800, which will be allocated as follows: \$18,240 (80% - FY 2009 FTA 5309 Capital Funds) and \$4,560 (20% - UND local matching funds)**

**As part of the FY 2009 TIP amendment, authorize the City Attorney's Office to draft a Memorandum of Understanding for Mayor Brown's signature with the UND to integrate the City's AVL system with UND public transportation services.**

**Receive and file public transportation informational update.**

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**Committee Recommended Action:**

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**Council Action:**

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**BACKGROUND:**

The City received \$383,277 in FY 2010 FTA 5309 Capital Funds, which is the last federal earmark allocation the City anticipates receiving for the foreseeable future. FTA 5309 Capital Funds generally require either a 20 or 17 percent local match, depending on the capital purchase. Generally, fixed route busses and paratransit vehicles require a 17 percent local match, and non-revenue vehicles and maintenance/office equipment require a 20 percent local match. The FY 2010 total capital project request is \$467,388, which requires a funding breakdown as follows: \$383,277 (FY 2010 FTA 5309 Capital Funds) and \$84,111 (local funds). Generally the FY 2010 FTA 5309 Capital Funds request is for two (2) fixed route busses, three (3) paratransit vehicles,

and miscellaneous maintenance/office equipment (See attached FY 2010 FTA 5309 Capital Funds Project List).

The FY 2009 FTA 5309 TIP amendment relates to better integrating public transportation service improvements with UND through integrating the City AVL system with UND. The amendment will provide for the following: The total AVL project cost with UND is \$22,800, which will be allocated as follows: \$18,240 (80% - FY 2009 FTA 5309 Capital Funds) and \$4,560 (20% - UND local matching funds). As part of this TIP amendment, a Memorandum of Understanding will follow up on the details and responsibilities related to the City and UND public transit service integration in this case.

### **ANALYSIS AND FINDINGS OF FACT:**

- The FY 2010 total capital project request is \$467,388, which requires a funding breakdown as follows: \$383,277 (FY 2010 FTA 5309 Capital Funds) and \$84,111 (local funds). Generally the FY 2010 FTA 5309 Capital Funds request is for two (2) fixed route busses, three (3) paratransit vehicles, and miscellaneous maintenance/office equipment (See attached FY 2010 FTA 5309 Capital Funds Project List).
- The FY 2009 FTA 5309 TIP amendment relates to better integrating service improvements with UND through integrating the City AVL system with UND. The amendment will provide for the following: The total AVL project cost with UND is \$22,800, which will be allocated as follows: \$18,240 (80% - FY 2009 FTA 5309 Capital Funds) and \$4,560 (20% - UND local matching funds).
- As part of the FY 2009 TIP amendment, City staff and UND is requesting the City Attorney's Office to draft a Memorandum of Understanding for Mayor Brown's signature with the UND to integrate the City's AVL system with UND public transportation services.
- At the Service/Safety Committee, City staff will provide a public transportation overview and update presentation to include a FY 2011 ridership overview, hybrid bus versus standard diesel bus operations comparison, and Transportation Development Plan update.

### **SUPPORT MATERIALS:**

- FY 2010 FTA 5309 Capital Grant Fund Projects.
- FY 2009 FTA 5309 Capital Grant Fund Projects – Bus AVL System Total Cost.
- City Bus Vehicle Mileage Report 2012.
- City Bus 2007 to 2011 Ridership Report.
- City Staff will provide a PowerPoint Public Transportation Overview and Update Presentation to the Service/Safety Committee on January 10, 2012.

## FY 2010 FTA 5309 CAPITAL GRANT FUND PROJECTS

Project	Qty.	Total Cost	Federal Cost	Local Cost	
Fixed Route Class 500 Low Floor Arboc Mobility Bus	1	128,816	106,917	21,899	Actual Cost
Fixed Route Class 400 Bus	1	81,070	67,288	13,782	Actual Cost
Paratransit Vehicles	3	102,336	84,939	17,397	Actual Cost
Bus Shop Hoist	1	95,726	76,581	19,145	Estimated
407 A/C Machine	1	7,676	6,141	1,535	Estimated
Sander Box with Light Bar	1	5,700	4,560	1,140	Estimated
Staff Car	1	16,000	12,800	3,200	Estimated
Trailer	1	5,900	4,720	1,180	Estimated
Bobcat Broom	1	5,526	4,421	1,105	Estimated
Snow Blower	1	1,169	935	234	Estimated
OverHead Door for Wash Bay	1	7,370	5,896	1,474	Estimated
Compressed Air Dryer	1	1,600	1,280	320	Estimated
Office Copier	1	8,500	6,800	1,700	Estimated
<b>Total Project Cost</b>		467,388	383,277	84,111	
<b>Federal and Local Funds Breakdown</b>			383,277	84,111	
<b>Difference</b>			0	0	

## Bus AVL system Total Cost

Phase 1 Project Cost	\$ 130,790
Phase 2 Project Cost	\$ 217,040
Warranty	\$ 25,000
MTC Monitor	\$ 13,440
<b>Total Cost</b>	<b>\$ 386,270</b>

\$ 386,270/11 vehicles = 35,115.45

EGF Cost	\$ 35,115				
Extra Modem	\$ 284				
<b>Total Cost</b>	<b>\$ 35,399</b>	<b>Fed Cost</b>	<b>\$ 28,319</b>	<b>Local Cost</b>	<b>\$ 7,080</b>

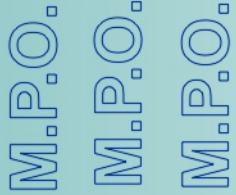
Grand Forks Cost	\$ 351,155				
Paratransit hardware	\$ 12,570				
Computer	\$ 1,100				
Phone	\$ 500				
Extra Modem 200 Each	\$ 2,841				
<b>Total GF Cost</b>	<b>\$ 368,166</b>	<b>Fed Cost</b>	<b>\$ 294,533</b>	<b>Local Cost</b>	<b>\$ 73,633</b>

UND Cost	\$ 22,800				
<b>Total Cost</b>	<b>\$ 22,800</b>	<b>Fed Cost</b>	<b>\$ 18,240</b>	<b>Local Cost</b>	<b>\$ 4,560</b>

Total Project Cost	\$ 426,365
Total Federal Cost	\$ 341,092
Total Local Cost	\$ 85,273

Grand Forks cost	\$ 390,966
Federal Share	\$ 312,773
Local Share	\$ 78,193

Grand Forks Grant ND - 04 - 0007 Federal Amount	\$ 191,648
Grand Forks Grant ND - 04 - 0012 Federal Amount	<u>\$ 144,637</u>
<b>Total</b>	<b>\$ 336,285</b>



## Grand Forks - East Grand Forks Metropolitan Planning Organization

18 November, 2010

Dave Leftwich  
NDDOT Local Gov't  
808 E. Boulevard Ave  
Bismarck, ND 58505

RE: TIP Amendment to TIP

Dear Mr. Leftwich:

The Grand Forks – East Grand Forks Metropolitan Planning Organization adopted amendments to the FY 2011 project listing of projects of its FY2011-2014 Transportation Improvement Program. The TIP is amended as reflected in the attached sheets.

The MPO conducted a public hearing on these amendments on November 17th and received no substantive public input. The MPO finds that these projects are consistent with its Long Range Transportation Plan. Further, the MPO finds that these projects do not negatively impact the fiscal constraint of the TIP. Therefore, the MPO places a priority towards funding these projects.

If you have any questions, do not hesitate to contact me.

Sincerely,

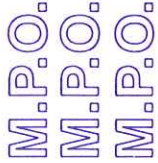
Earl T. Haugen  
Executive Director

**GRAND FORKS - EAST GRAND FORKS METROPOLITAN PLANNING ORGANIZATION**

**TRANSPORTATION IMPROVEMENT PROGRAM**

**FISCAL YEARS 2011 - 2014**

URBAN AREA	PROJECT LOCATION	FACILITY	PROJECT DESCRIPTION	ESTIMATED COST (THOUSANDS) AND SOURCE OF FUNDING					STAGING	ANNUAL ELEMENT				FUTURE EXPENDITURES			
										2011	2012	2013	2014	2011	2012	2013	2014
PROJECT NUMBER	RESPONSIBLE AGENCY	CLASSIFICATION	PROJECT TYPE	FUNDING STATUS	TOTAL	FEDERAL	STATE	OTHER	LOCAL	Operations	Capital	P.E.	R.O.W.	CONSTR.			
										CONSTR.	CONSTR.	CONSTR.	CONSTR.	CONSTR.			
FUNDING SOURCE										TOTAL							
Grand Forks #3 No PCN	Grand Forks	NA	Purchase 2 Class 500 fixed route vehicles <del>Rehab and upgrade the Bus Barn</del> purchase two 3 replacement vehicles for demand response bus washing system and related shop maintenance items	REMARKS: Part of a NDDOT Statewide FTA #5309 Grant request													
	Grand Forks	Capital		Modified Nov 17th; decrease fed from \$2,225,000 Uses FY2010 fund award						466.42							
	<i>Fixed Route Paratransit and/or Senior Service</i>			Discretionary	TOTAL	FEDERAL	STATE	OTHER	LOCAL	R.O.W.							
					466.42	383.28	0.00	0.00	83.14	CONSTR.							
FTA 5309										(80/20)	TOTAL	466.42					
Grand Forks #4 No PCN	Grand Forks	NA	Continue operation of New Route 12/13	REMARKS: This request is in anticipation of a solicitation for JARC urban transit funds													
	Grand Forks	Operating		Modified Nov 17th; decrease fed from \$100,000 Uses FY2009 fund award						201.40							
	<i>Fixed Route Paratransit and/or Senior Service</i>			Discretionary	TOTAL	FEDERAL	STATE	OTHER	LOCAL	R.O.W.							
					201.40	40.00			161.40	CONSTR.							
JARC										TOTAL	201.40						
Grand Forks #5 No PCN	Grand Forks	NA	Purchase one demand response vehicle	REMARKS: This request is in anticipation of a solicitation for New Freedom urban transit funds													
	Grand Forks	Operating		Modified Nov 17th; decrease fed from \$33,200 Uses FY2009 fund award						40.00							
	<i>Fixed Route Paratransit and/or Senior Service</i>			Discretionary	TOTAL	FEDERAL	STATE	OTHER	LOCAL	R.O.W.							
					40.00	27.51			12.49	CONSTR.							
New Freedom										TOTAL	40.00						



## Grand Forks – East Grand Forks Metropolitan Planning Organization

255 North 4th Street • P.O. Box 5200 • Grand Forks, ND 58206-5200

GF (701) 746-2660  
FAX (701) 787-3755

EGF (218) 773-0124  
FAX (218) 773-0128

19 June, 2010

Dave Leftwich  
NDDOT Local Gov't  
808 E. Boulevard Ave  
Bismarck, ND 58505

RE: TIP Amendment to TIP

Dear Mr.  Leftwich:

The Grand Forks – East Grand Forks Metropolitan Planning Organization adopted amendments to the FY 2010 project listing of projects of its FY2010-2013 Transportation Improvement Program. The TIP is amended as reflected in the attached sheets.

The MPO conducted a public hearing on these amendments on June 9th and received no substantive public input. The MPO finds that these projects are consistent with its Long Range Transportation Plan. Further, the MPO finds that these projects do not negatively impact the fiscal constraint of the TIP. Therefore, the MPO places a priority towards funding these projects.

If you have any questions, do not hesitate to contact me.

Sincerely,

  
Earl T. Haugen  
Executive Director

**GRAND FORKS - EAST GRAND FORKS METROPOLITAN PLANNING ORGANIZATION**

**TRANSPORTATION IMPROVEMENT PROGRAM**

**FISCAL YEARS 2010 - 2013**

URBAN AREA	PROJECT LOCATION	FACILITY	PROJECT DESCRIPTION	ESTIMATED COST (THOUSANDS) AND SOURCE OF FUNDING						STAGING	ANNUAL ELEMENT			FUTURE EXPENDITURES
				TOTAL	FEDERAL	STATE	OTHER	LOCAL	CONSTR.		2010	2011	2012	
Grand Forks #9	Grand Forks	US #2	This is a Hot Bit Pavement between Arvilla to near I-29  Amended Feb 19th to match STIP	FUNDING SOURCE						Operations Capital P.E. R.O.W. CONSTR. TOTAL				
				TOTAL	FEDERAL	STATE	OTHER	LOCAL						
				4,264.00	3,451.00	813.00		0.00						
Grand Forks #10	Grand Forks	Discretionary	Begin Preliminary Engineering for possible replacement of Sorlie Bridge, currently scheduled for 2018	FUNDING SOURCE						Operations Capital P.E. R.O.W. CONSTR. TOTAL				
				TOTAL	FEDERAL	STATE	OTHER	LOCAL						
				3,125.00	2,500.00	312.50		312.50						
Grand Forks #11	Grand Forks	NA	Purchase AVL for fixed route and DAR vehicles Fill in pit at Bus Garage Purchase 2 non-revenue service vehicles	FUNDING SOURCE						Operations Capital P.E. R.O.W. CONSTR. TOTAL				
				TOTAL	FEDERAL	STATE	OTHER	LOCAL						
				286.00	228.80	0.00	0.00	57.20						
								(83/17)						



**Subject:** 2012-2015 TIP Amendments  
**From:** Johnson, Michael E. (mjohnson@nd.gov)  
**To:** earl.haugen@theforksmmpo.org;  
**Date:** Monday, January 9, 2012 5:20 PM

Earl,

The Final STIP is now approved and online for reference. I have compared the Final STIP with the Final TIP and have a couple of items in need of your attention.

1. Grand Forks project number 20, PCN 18283 – This project on US Highway 2 has been switched back to a slurry seal work type and moved up to project year 2013. I know after the Draft STIP was released I had you mark it as microsurfacing, but it has been changed back to slurry seal and moved up a year. The updated funding splits are as follows:
  - a. Total \$724.00
  - b. Federal \$586.00
  - c. State \$138.00
  - d. Local \$0.00
2. Please reference the attachment for the next item. There is a Grand Forks District wide signing project that may or may not include signs within the MPO's boundary. The project is in year 2013 and exact limits and/or locations of the project have not been finalized, but my guess is that some signs will be located within the MPO boundary and will require inclusion in the TIP.

Please let me know if you have any questions.

Thank you,

*Michael E. Johnson, P.E.*

Local Government

N.D. Department of Transportation

608 East Boulevard Avenue

Bismarck, ND 58505

Phone: 701-328-2118

**North Dakota Department of Transportation  
District 6 - Grand Forks**

(In Thousands)

PCN	Map Key	Fund Sourc	Pend	Hwy Dir CMC	Location	Length	Work Type	Full Invl	Total Cost	Fed Fund	State Fund	Local Fund	
Fiscal Year: 2013-2015													
Rural													
19724	6131	SNH		2 E	MAPES X-OVER TO E OF RP 305.03	3.8	Slurry Seal		159	129	30	0	
18281	6101	NH		2 E	NIAGRA E TO 1.4 MILES W OF JCT ND 18	10.1	Hot Bit Pave, Mine And Blend	F	7114	5757	1357	0	
18282	6102	SNH		2 W	MICHIGAN BYPASS E TO CO LN	10.2	Slurry Seal		424	343	81	0	
18283	6135	SNH		2 W	ARVILLA E TO NEAR I-29	17.4	Slurry Seal	F	724	586	138	0	
16817	6104	SNH		5 E	END PCC TO PAR ROAD	11.1	Mill/OI>2<Or=3"		2900	2347	553	0	
19138	6105	SNH		5 E	CAVALIER TO JCT 81-HAMILTON	8.2	Slurry Seal		340	276	65	0	
16799	6106	SS		15 E	E JCT 18 EAST TO I-29	19.3	Mill/OI>2<Or=3"		3471	2809	662	0	
18946	6108	SS		18 N	JCT 2-LARIMORE-N 3 MILES	3.0	Chip Seal Coat		109	88	21	0	
18940	6132	SS		18 N	RP 202.571 TO 1 MILE S OF HENSEL	14.0	Thin Overlay		2367	1916	451	0	
18694	6110	IM	P	29 N	N OF BUXTON N TO S OF ND 15-THOMPSON	10.3	PCC Pave	F	19279	17351	1928	0	
17131	6133	SIM		29 S	S OF JCT 17 N TO HERRICK INTR	7.3	CPR, Grinding		481	433	48	0	
18341	6134	SS		32 N	JCT 38 NORTH TO FINLEY	13.3	Chip Seal Coat		483	391	92	0	
18947	6113	SS		32 N	JCT 15 N TO JCT 2-PETERSBURG	18.0	Chip Seal Coat		656	631	125	0	
18342	6115	SS		44 N	JCT I-29 N TO JCT 66	3.0	Chip Seal Coat		110	89	21	0	
18344	6116	SS		66 E	DISTRICT BNDRY E TO N JCT 32	8.0	Chip Seal Coat		293	237	56	0	
18345	6117	SS		66 E	S JCT 32 GARDAR E TO N JCT 81	19.1	Chip Seal Coat		694	562	132	0	
18346	6118	SS		66 E	S JCT 81 ST THOMAS E TO RED RIVER	13.8	Chip Seal Coat		500	405	95	0	
6136 IMNHSTP DISTRICTWDE RETROREFLECTIVITY								0.0	Signing	1700	1530	170	0
18948	6201	SS		1 N	JCT 2-LAKOTA-N TO JCT CO RD 8 & 15	18.8	Chip Seal Coat		710	575	135	0	
18949	6202	SNH		2 E	DISTRICT BOUNDARY TO RP 295.95	0.5	Hot Bit Pave, Milling		204	165	39	0	
18629	6203	SNH		2 E	NIAGRA E TO 1.4 MILES W OF JCT ND 18	10.1	Hot Bit Pave		2692	2179	513	0	
18951	6204	SNH	P	2 W	LAKOTA E TO 5.3 MI E ND 1	5.3	Hot Bit Pave, Milling		2012	1628	384	0	
18952	6205	SNH	P	2 W	MICHIGAN BYPASS	1.6	Hot Bit Pave, Milling		602	487	115	0	
18953	6206	NH	P	2 W	NIAGARA E TO NEAR CMC 1815	15.3	Hot Bit Pave, Milling		6363	5150	1213	0	
18954	6207	SNH	P	2 W	NEAR RP 333 TO NEAR ARVILLA	4.3	Hot Bit Pave, Milling		1957	1584	373	0	
18955	6209	SS		15 E	ND 32 TO 1 MILE WEST OF NORTHWOOD	18.1	Chip Seal Coat		683	553	130	0	
17846	6230	SS		18 N	CO LN N TO RP 202	19.2	Thin Overlay		2867	2320	547	0	
17847	6231	SS		18 N	1 MI S OF HENSEL TO CAVALIER	7.9	Thin Overlay		1307	1058	249	0	
18957	6211	SS		18 N	E JCT 5 N TO STATE LINE	13.5	Chip Seal Coat		512	414	98	0	
18958	6212	SIM		29 N	RAMPS 157-180	23.0	Chip Seal Coat		136	122	14	0	
17848	6232	SIM		29 N	I-29/ND 54 INTERCHANGE	0.1	Thin Overlay		169	152	17	0	
18959	6213	IM	P	29 N	N OF JCT ND 54 N TO FOREST RIVER	6.9	PCC Pave	F	14489	13040	1449	0	
18777	6233	SIM		29 N	FOREST RIVER N TO HERRICK INTR	14.4	CPR, Grinding		529	476	53	0	
19143	6216	SIM		29 N	ALEXANDER HENRY REST AREA	0.1	Chip Seal Coat		6	5	1	0	
18958	6218	SIM		29 S	RAMPS 157-180	23.0	Chip Seal Coat		136	122	14	0	
17848	6234	SIM		29 S	I-29/ND 54 INTERCHANGE	0.1	Thin Overlay		169	152	17	0	
19143	6219	SIM		29 S	ALEXANDER HENRY REST AREA	0.1	Chip Seal Coat		6	5	1	0	
17854	6235	SS		32 N	EDINBURG N TO 1 M S OF S JCT 66	7.5	Chip Seal Coat		283	229	54	0	
18962	6221	SS		32 N	W JCT 5 CONCRETE N TO STATE LINE	17.1	Chip Seal Coat		646	523	123	0	
19144	6222	SS		45 N	MUNICIPAL SECTION COOPERSTOWN	0.8	Chip Seal Coat		30	24	6	0	
18343	6223	SS		54 E	I-29 TO RED RIVER	2.3	Mill/OI>2<Or=3"		625	506	119	0	
18963	6224	SS		81 N	ARDOCH N TO MINTO	5.9	Thin Overlay		890	720	170	0	
17857	6236	SNH		200 E	CO LN E COOPERSTOWN E TO S JCT 32	7.1	Thin Overlay		1243	1006	237	0	
	6301	SS		1 N	W JCT 200 N TO JCT ND 65	8.7	Chip Seal Coat		341	276	65	0	
	6302	SS		1 N	JCT CO RD 8 & 15 N TO NEKOMA SPUR	19.0	Chip Seal Coat		746	604	142	0	
	6315	SNH		2 E	.5 MILES E LAKOTA TO MAPES X-OVER	5.2	Grinding		692	560	132	0	
18336	6316	SNH		5 E	PAR.-ROAD TO CAVALIER	13.2	Mill/OI 2" Max		2250	1821	429	0	
19816	6317	SS		17 E	EDMORE E TO JCT 1	3.5	Milling, Thin Overlay		550	445	105	0	
18943	6318	SS		17 E	PARK RIVER TO HILL AVE-GRAFTON	14.0	Thin Overlay		2429	1966	463	0	
18338	6306	SS		18 N	W JCT ND 15 TO JCT 2	14.0	Microsurfacing		1105	894	211	0	