# Northern Tier Regional Planning and Development Commission





## 2019 – 2022 Transportation Improvement Program (TIP) and Air Quality Conformity Report for Tioga County

Public Review and Comment Draft Document June 4, 2018 to July 3, 2018

PLEASE DO NOT REMOVE





Tio	ga								
7248									
MPMS	# <b>:</b> 7248		Mı	inicipality:De	lmar (Twp)				
Titl		Tb Charle	ston	Route:6			Section:112	A/Q	Status:Exempt
T (T	Crk #2				1			L11 \	
Improvement Typ Est. Let Dat	-	-		mpt Code:Wi l Let Date:	den narw. pav	ve. or recon	brdgs (No add	Itl lanes)	
Geographic Limit					nar (Twn) – F	3MS# 58 000	6 0460 0000		
			-	r Tributary to C				Tioga County	7.
		1			nm Years (\$000)		17		
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	FD	185	\$ 20	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	UTL	185	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	\$ 0	
	ROW	185	\$ 20	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	CON	NHPP	\$ 0	\$ 300	\$ 500	\$ 0	\$ 0	\$ 0	
			\$ 40	\$ 320	\$ 500	\$ 0	\$ 0	\$ 0	
		]	Fotal FY 2019	-2022 Cost \$ 8	860				
		]	Fotal FY 2019	-2022 Cost \$ 8	860				
		7	Fotal FY 2019	-2022 Cost \$ 8	860				
		]							
MPMS			Mı	unicipality:We	ellsboro (Borc	·			
MPMS	e:SR 400	1 2 ovr Charl	Mı		ellsboro (Borc	·	Section:012	A/Q	Status:Exempt
MPMS Titl	e:SR 400 Rn	2 ovr Charl	Mu	unicipality:We Route:400	ellsboro (Borc 02	S			Status:Exempt
MPMS	e:SR 400 Rn e:Bridge	2 ovr Charl Improveme	Mu eston nt Exe	unicipality:We	ellsboro (Borc 02	S			Status:Exempt
MPMS Titl Improvement Typ	e:SR 400 Rn e:Bridge e:09/01/2	2 ovr Charl Improveme 024	Mu eston nt Exe Actua	unicipality:We Route:400 mpt Code:Wi I Let Date:	ellsboro (Borc 02 den narw. pav	ve. or recon	brdgs (No add		Status:Exempt
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Re	2 ovr Charl Improveme 024 oute 4002 (1	Mu eston nt Exe Actua Charleston Str	unicipality:We Route:400 mpt Code:Wi I Let Date:	ellsboro (Boro 02 iden narw. pav leston Run, W	ve. or recon	brdgs (No add rough	ltl lanes)	-
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Re	2 ovr Charl Improveme 024 oute 4002 (1	Mu eston nt Exe Actua Charleston Str	Inicipality:We Route:400 Empt Code:Wi I Let Date: eet) over Charl 2 (Charleston 2	ellsboro (Bord 02 iden narw. pav leston Run, W Street) over ( um Years (\$000)	ve. or recon	brdgs (No add rough	ltl lanes)	-
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Ro e:Bridge Phase	2 ovr Charl Improveme 024 oute 4002 (( rehabilitation Fund	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019	anicipality:We Route:400 empt Code:Wi I Let Date: eet) over Charl 2 (Charleston 2 TIP Progra 2020	ellsboro (Borc 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021	ve. or recon Vellsboro Bo Charleston R 2022	brdgs (No add rough un in Wellsbo 2nd 4 Years	ltl lanes) pro Borough, 3rd 4 Years	Tioga County
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Rd e:Bridge Phase PE	2 ovr Charl Improveme 024 oute 4002 (v rehabilitatio Fund 185	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019 \$ 0	micipality:We Route:400 mpt Code:Wi I Let Date: eet) over Charl 2 (Charleston 1 TIP Progra 2020 \$ 0	ellsboro (Bord 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021 \$ 0	ve. or recon Vellsboro Bo Charleston R 2022 \$ 80	brdgs (No add <u>rough un in Wellsbo</u> 2nd 4 Years \$ 0	Itl lanes) pro Borough, <b>3rd 4 Years</b> \$ 0	Tioga County
Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Ro e:Bridge Phase PE FD	2 ovr Charl Improveme 024 oute 4002 (0 rehabilitation Fund 185 185	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019 \$ 0 \$ 0 \$ 0	micipality:We Route:400 mpt Code:Wi I Let Date: eet) over Charl 2 (Charleston ) TIP Progra 2020 \$ 0 \$ 0 \$ 0	ellsboro (Boro 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021 \$ 0 \$ 0 \$ 0	ve. or recon Vellsboro Bo Charleston R 2022 \$ 80 \$ 0	brdgs (No add rough un in Wellsbo 2nd 4 Years \$ 0 \$ 20	Itl lanes) pro Borough, <b>3rd 4 Years</b> \$ 0 \$ 0	Tioga County
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Rd e:Bridge Phase PE	2 ovr Charl Improveme 024 oute 4002 (v rehabilitatio Fund 185	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019 \$ 0	anicipality: We Route: 400 cmpt Code: Wi I Let Date: eet) over Charl 2 (Charleston 2 TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ellsboro (Bord 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ve. or recon Vellsboro Bo Charleston R 2022 \$ 80 \$ 0 \$ 0 \$ 0	brdgs (No add rough un in Wellsbo 2nd 4 Years \$ 0 \$ 20 \$ 200	Itl lanes) oro Borough, 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Tioga County
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Ro e:Bridge Phase PE FD	2 ovr Charl Improveme 024 oute 4002 (0 rehabilitation Fund 185 185	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019 \$ 0 \$ 0 \$ 0	micipality:We Route:400 mpt Code:Wi I Let Date: eet) over Charl 2 (Charleston ) TIP Progra 2020 \$ 0 \$ 0 \$ 0	ellsboro (Boro 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021 \$ 0 \$ 0 \$ 0	ve. or recon Vellsboro Bo Charleston R 2022 \$ 80 \$ 0	brdgs (No add rough un in Wellsbo 2nd 4 Years \$ 0 \$ 20	Itl lanes) pro Borough, <b>3rd 4 Years</b> \$ 0 \$ 0	Tioga County
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Ro e:Bridge Phase PE FD UTL	2 ovr Charl Improveme 024 oute 4002 (( rehabilitation Fund 185 185 185	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	anicipality: We Route: 400 cmpt Code: Wi I Let Date: eet) over Charl 2 (Charleston 2 TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ellsboro (Bord 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ve. or recon Vellsboro Bo Charleston R 2022 \$ 80 \$ 0 \$ 0 \$ 0	brdgs (No add rough un in Wellsbo 2nd 4 Years \$ 0 \$ 20 \$ 200	Itl lanes) oro Borough, 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Tioga County
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:SR 400 Rn e:Bridge e:09/01/2 s:State Rd e:Bridge Phase PE FD UTL ROW	2 ovr Charl Improveme 024 oute 4002 (v rehabilitatio Fund 185 185 185 185	Mu eston nt Exe Actua Charleston Str on on S.R. 400 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	micipality:We Route:400 mpt Code:Wi I Let Date: eet) over Charl 2 (Charleston 1 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	ellsboro (Bord 02 iden narw. pav leston Run, W Street) over ( um Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ve. or recon l Vellsboro Bo Charleston R 2022 \$ 80 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	brdgs (No add rough un in Wellsbo 2nd 4 Years \$ 0 \$ 20 \$ 200 \$ 200 \$ 200	Itl lanes) oro Borough, <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Tioga County

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17714					· / /T	、 、			
MPMS ; Titl	#:4//14 e:CO #6 (	w Elkhor		inicipality:Far Route:	mington ( I wp	·	Section:	A/Q Status	Evomo
Improvement Typ				mpt Code:Wi	den narw nav				Exemp
Est. Let Dat	-	-		l Let Date:	aon na m par	•••••••••••	1485 (110 444		
Geographic Limit	s: <u>T-657 o</u>	ver Elkho	orn Creek, Farmi	ington Townsh	ip				
Narrativ	e:Bridge	replaceme	ent on T-657 ove	er Elkhorn Cre	ek in Farming	ton Townsh	ip, Tioga Cou	nty.	
				-	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	BOF	\$ 120	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	PE	183	\$ 23	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	PE	LOC	\$ 8	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	FD	BOF	\$ 0	\$ 0	\$ 80	\$ 0	\$ 0	\$ O	
	FD	183	\$ 0	\$ 0	\$ 15	\$ 0	\$ 0	\$ O	
	FD	LOC	\$ 0	\$ 0	\$ 5	\$ 0	\$ 0	\$ O	
	UTL	BOF	\$ 0	\$ 0	\$ 16	\$ 0	\$ 0	\$ 0	
	UTL	183	\$ 0	\$ 0	\$ 3	\$ 0	\$ 0	\$ O	
	UTL	LOC	\$ 0	\$ 0	\$ 1	\$ 0	\$ 0	\$ O	
	ROW	BOF	\$ 0	\$ 0	\$ 16	\$ 0	\$ 0	\$ O	
	ROW	183	\$ 0	\$ 0	\$ 3	\$ 0	\$ 0	\$ O	
	ROW	LOC	\$ 0	\$ 0	\$ 1	\$ 0	\$ 0	\$ O	
	CON	BOF	\$ 0	\$ 0	\$ 0	\$ 160	\$ 320	\$ O	
	CON	183	\$ 0	\$ 0	\$ 0	\$ 30	\$ 60	\$ O	
	CON	LOC	\$ 0	<b>\$</b> 0	\$ 0	\$ 10	\$ 20	\$ O	
			\$ 151	<b>\$</b> 0	\$ 140	\$ 200	\$ 400	\$ O	
			Total FY 2019						
8954	4.70054		3.5		1: (T )				
MPMS ; Titl	#:78954 e:SR 2022	) over Go		inicipality:Sul Route:202	× 1,		Section:007	A/Q Status	Freme
Improvement Typ				mpt Code:Wi					летр
Est. Let Dat	-			l Let Date:					
Geographic Limit	s: <u>SR 202</u> 2	2 (Old Sta	ate Road) over G	affers Creek, S	Sullivan Town	ship, Tioga	County, , BM	IS - 58 2022 0330 17	45
Narrativ	e:Bridge	Replacem	nent on SR 2022	(Old State Roa	ad) over Gaffe	rs Creek in	Sullivan Tow	nship, Tioga County	
				_	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	185	\$ 30	\$ 30	\$ 0	\$ 0	\$ 0	\$ 0	

CON 185 \$ 30 \$ 30 \$0 \$0 \$0 \$0 \$ 30 \$ 30 \$0 \$0 Total FY 2019-2022 Cost \$ 60

87879

\$0

									Dr
Tio		——						Current Date:	5/21/18
<u>Tio</u> 37879	ga								
	# <b>:</b> 87879		Мі	unicipality:Mo	orris (Twp)				
Titl	le:SR 414	Slide Mor		Route:414	· · ·	S	Section:30M	A/Q S	Status:Exempt
Improvement Typ	e:Slides C	Correction	Exe	empt Code:Ha	zard eliminati	ion program			-
Est. Let Dat	te:01/31/2	019	Actua	l Let Date:					
Geographic Limit	ts: <u>SR 414,</u>	, Morris To	ownship, Seg/C	off 0080/0000 1	to 0080/2549				
Narrativ	e:Roadwa	ay Soil Slic	de Repair on St	ate Route 414	in Morris Tov	vnship, Tiog	a County.		
				TIP Progra	um Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	581	\$ 0	\$ 500	\$ 1,285	\$ 715	\$ 0	\$ 0	
			\$ 0	\$ 500	\$ 1,285	\$ 715	\$ 0	<b>\$</b> 0	
			Total FY 2019	-2022 Cost \$	2,500				
87923									
	<b>#:</b> 87923			unicipality:Ch	arleston (Twp	))			
		Tb Charle		Route:6			Section:108	-	Status:Exempt
Improvement Typ	•	-		empt Code:Wi	-	ve. or recon	ordgs (No add	tl lanes)	
	te:05/10/2			l Let Date:05					
		zer Tributa	my to Charlacto	n Creek-Charl		in BMS# 5	8 0006 0560 2		~
Geographic Limit			-			-			oga County.
Geographic Limit			tion on US Rou	ite 6 over Tribi	utary to Charle	eston Creek	in Charleston	Township, Tic	0
Geographic Limit	ve:Bridge	Rehabilitat	tion on US Rou	ite 6 over Tribi TIP Progra	utary to Charle am Years (\$000)	eston Creek			<u>8</u>
Geographic Limit	ve:Bridge	Rehabilitat Fund	tion on US Rou 2019	tte 6 over Tribu TIP Progra 2020	utary to Charle m Years (\$000) 2021	eston Creek 2022	2nd 4 Years	3rd 4 Years	
Geographic Limit	ve:Bridge	Rehabilitat	tion on US Rou	ite 6 over Tribi TIP Progra	utary to Charle am Years (\$000)	eston Creek			<u> </u>
Geographic Limit	ve:Bridge	Rehabilitat Fund	tion on US Rou 2019	tte 6 over Tribu TIP Progra 2020	utary to Charle m Years (\$000) 2021	eston Creek 2022	2nd 4 Years	3rd 4 Years	<u> </u>
Geographic Limit	ve:Bridge	Rehabilitat Fund HSIP	2019 \$ 704	tte 6 over Tribu TIP Progra 2020 \$ 637 \$ 637	utary to Charle im Years (\$000) 2021 \$ 0 \$ 0	eston Creek 2022 \$ 0	2nd 4 Years \$ 0	3rd 4 Years \$ 0	<u> </u>
Geographic Limit	ve:Bridge	Rehabilitat Fund HSIP	2019 \$ 704 \$ 704	tte 6 over Tribu TIP Progra 2020 \$ 637 \$ 637	utary to Charle im Years (\$000) 2021 \$ 0 \$ 0	eston Creek 2022 \$ 0	2nd 4 Years \$ 0	3rd 4 Years \$ 0	<u> </u>
Geographic Limit	ve:Bridge	Rehabilitat Fund HSIP	2019 \$ 704 \$ 704	tte 6 over Tribu TIP Progra 2020 \$ 637 \$ 637	utary to Charle im Years (\$000) 2021 \$ 0 \$ 0	eston Creek 2022 \$ 0	2nd 4 Years \$ 0	3rd 4 Years \$ 0	<u> </u>

r								Current Date	e: 5/21/18
Tiog	ga								
97571									
MPMS #	<b>#:</b> 97571		Mu	inicipality:Jac	ckson (Twp)				
Title	e:SR1022	ov Unnan	ned	Route:10	22		Section:024	A/Q	Status:Exempt
	Tributar	ry to Hamr	nond						
	Creek								
Improvement Type	e:Bridge l	Replaceme	nt Exe	mpt Code:W	iden narw. pa	ve. or recon	brdgs (No add	ltl lanes)	
Est. Let Date	e:02/14/2	019	Actua	l Let Date:					
Geographic Limits	s:State Ro	oute 1022 (	North Road) or	ver Unnamed	Tributary to H	Iammond Ci	reek, Jackson '	Township	
Narrativo	e:Bridge	replacemei	nt on State Rou	te 1022 (North	n Road) over	Unnamed Tr	ibutary to Har	nmond Creek	in Jackson
	Townsh	nip, Tioga (	County.				-		
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	UTL	185	\$ 20	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
	CON	185	\$ 50	\$ 100	\$ 0	\$ 0	\$ 0	\$ 0	
			\$ 70	\$ 100	\$ 0	\$ 0	\$ 0	\$ 0	
			Total FY 2019	-2022 Cost \$	170				
97573									
MPMS #				inicipality:De					
Title		ov Tb E E	Br	Route:30	98		Section:002	A/Q	Status:Exempt
	2	ork Creek							
Improvement Type				-	-	ve. or recon	brdgs (No add	tl lanes)	
Est. Let Date				l Let Date:09					
Geographic Limit									
Narrativo	e:Bridge	replaceme	nt on State Rou	te 3098 (Knov	vlton Road) o	ver Tributar	y to the East B	Branch of Stor	y Fork Creek in
	Delmar	Township	, Tioga County						
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	185	\$ 84	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	

Total FY 2019-2022 Cost \$ 84

\$0

\$0

\$ 84

97574

\$0

\$0

\$0

Tic	oga								
7574	,2a								
	# <b>:</b> 97574		М	unicipality:Cl	ymer (Twp)				
Tit	le:SR4001	l ovTb Wat		Route:40		S	Section:026	A/Q	Status:Exempt
	Run								
Improvement Typ	-	-		empt Code:Wi	den narw. pav	ve. or recon	ordgs (No add	tl lanes)	
Est. Let Da Geographic Limi				l Let Date:	utomi to Watt	as Dum Ch	mor Tourshi	10	
•				,	•			•	ship, Tioga Count
		replacemen			um Years (\$000)				siip, rioga coui
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	FD	185	\$ 0	\$ 0	\$ 10	\$ 0	\$ 0	\$ O	
	UTL	185	\$ 0	\$ 0	\$ 0	\$ 25	\$ 0	\$ 0	
	ROW	185	\$ 0	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	
	CON	185	\$ 0	\$ 0	\$ 0	\$ 75	\$ 75	\$ 0	
			\$ 0	\$ 0	\$ 30	\$ 100	\$ 75	\$ 0	
		r	Fotal FV 2019	-2022 Cost \$	130				
MPMS	#:97669		Mi	unicipality:Sh					
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov be:Bridge te:09/01/2 ts:US 6 ov	ver Marsh ( Rehabilitat 019 ver Marsh (	Mu Creek ion Exe Actua Creek , Shipper	unicipality:Sh Route:6 empt Code:Wi Il Let Date: n Township, 58	ippen (Twp) den narw. pav 30006021010	ve. or recon	- `	tl lanes)	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov be:Bridge te:09/01/2 ts:US 6 ov	ver Marsh ( Rehabilitat 019 ver Marsh (	Mu Creek ion Exe Actua	unicipality:Sh Route:6 empt Code:Wi il Let Date: n Township, 58 te 6 over Marsl	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi	ve. or recon	ordgs (No add	tl lanes)	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge	ver Marsh ( Rehabilitat 019 ver Marsh ( rehabilitati	Mu Creek ion Exe Actua Creek , Shipper on on US Rout	unicipality:Sh Route:6 empt Code:Wi Il Let Date: n Township, 58 te 6 over Marsh TIP Progra	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi um Years ( <b>\$000</b> )	e. or recon 4 ppen Towns	ordgs (No add hip, Tioga Co	tl lanes) punty.	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase	ver Marsh ( Rehabilitat: 019 ver Marsh ( rehabilitati Fund	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019	unicipality:Sh Route:6 empt Code:Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi um Years (\$000) 2021	2022	ordgs (No add hip, Tioga Co 2nd 4 Years	unty. 3rd 4 Years	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD	ver Marsh ( Rehabilitat 019 ver Marsh ( rehabilitati Fund 185	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20	unicipality:Sh Route:6 empt Code:Wi I Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi um Years (\$000) 2021 \$ 0	2022 2022 \$ 0	ordgs (No add hip, Tioga Co 2nd 4 Years \$ 0	tl lanes) punty. 3rd 4 Years \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL	ver Marsh ( Rehabilitat 019 ver Marsh ( rehabilitati Fund 185 185	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0	unicipality:Sh Route:6 empt Code:Wi Il Let Date: n Township, 58 te 6 over Mars TIP Progra 2020 \$ 0 \$ 20	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi im Years ( <b>\$000</b> ) 2021 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0	ordgs (No add hip, Tioga Co 2nd 4 Years \$ 0 \$ 0	unty. 3rd 4 Years \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL ROW	ver Marsh ( Rehabilitati 019 ver Marsh ( rehabilitati Fund 185 185 185	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20	unicipality:Sh Route:6 empt Code:Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 0	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi um Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add hip, Tioga Co 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	ttl lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL	ver Marsh ( Rehabilitat 019 ver Marsh ( rehabilitati Fund 185 185	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0	unicipality:Sh Route:6 empt Code:Wi Il Let Date: n Township, 58 ie 6 over Mars TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 0 \$ 0 \$ 600	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi um Years ( <b>5000</b> ) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add <u>hip, Tioga Co</u> 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	tt lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL ROW	ver Marsh ( Rehabilitati 019 ver Marsh ( rehabilitati Fund 185 185 185 185 NHPP	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 2	unicipality: Sh Route:6 empt Code: Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 600 \$ 620	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add hip, Tioga Co 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	ttl lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL ROW	ver Marsh ( Rehabilitati 019 ver Marsh ( rehabilitati Fund 185 185 185 185 NHPP	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0	unicipality: Sh Route:6 empt Code: Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 600 \$ 620	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add <u>hip, Tioga Co</u> 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	tt lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL ROW	ver Marsh ( Rehabilitati 019 ver Marsh ( rehabilitati Fund 185 185 185 185 NHPP	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 2	unicipality: Sh Route:6 empt Code: Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 600 \$ 620	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add <u>hip, Tioga Co</u> 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	tt lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL ROW	ver Marsh ( Rehabilitati 019 ver Marsh ( rehabilitati Fund 185 185 185 185 NHPP	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 2	unicipality: Sh Route:6 empt Code: Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 600 \$ 620	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add <u>hip, Tioga Co</u> 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	tt lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Typ Est. Let Da Geographic Limi Narrativ	le:US 6 ov pe:Bridge te:09/01/2 ts:US 6 ov ve:Bridge Phase FD UTL ROW	ver Marsh ( Rehabilitati 019 ver Marsh ( rehabilitati Fund 185 185 185 185 NHPP	Mu Creek ion Exe Actua Creek , Shipper on on US Rout 2019 \$ 20 \$ 0 \$ 20 \$ 2	unicipality: Sh Route:6 empt Code: Wi il Let Date: n Township, 58 te 6 over Marsl TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 600 \$ 620	ippen (Twp) iden narw. pav 30006021010 n Creek in Shi m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add <u>hip, Tioga Co</u> 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	tt lanes) ounty. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt

Ti	oga								
97673	<u> </u>								
MPMS	# <b>:</b> 97673		Mı	unicipality:Ga	uines (Twp)				
		ver Long Ru		Route:6			Section:128		Status:Exempt
Improvement Ty				mpt Code:W	iden narw. pav	ve. or recon	brdgs (No add	Itl lanes)	
Est. Let Da				l Let Date:	00740000				
Geographic Limi			on on S.R 6 ov			nchin Tiog	County		
1 all at		Tenaointatio	511 011 S.K 0 0V		am Years (\$000)	liship, 110ga	i County.		
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	FD	185	\$ 0	\$ 10	<b>\$</b> 0	\$ 0	\$ 0	\$ 0	
	UTL	185	\$ 0	\$ 0	\$ 20	\$ 0	\$ 0	\$ O	
	ROW	185	\$ 0	\$ 10	\$ 0	\$ 0	\$ 0	\$ 0	
	CON	NHPP	\$ 0	\$ 0	\$ 0	\$ 250	\$ 250	\$ 0	
		-	\$ 0	\$ 20	\$ 20	\$ 250	\$ 250	\$ 0	
		7	Fotal FY 2019			+	+	÷ •	
		-			<b>_</b> /0				
MPMS	#:97674			unicipality:Ga	uines (Twp)		100		
MPMS Tit	t <b>le:</b> US6 ov	er Phoenix	Run	Route:6			Section:129		<b>Status:</b> Exempt
MPMS Tit Improvement Ty	t <b>le:</b> US6 ov p <b>e:</b> Bridge	Replaceme	Run nt <b>Exe</b>	Route:6 empt Code:W					Status:Exempt
MPMS Tit	tle:US6 ov pe:Bridge te:09/01/2	Replacemen 021	Run nt Exe Actua	Route:6 empt Code:W l Let Date:	iden narw. pav	ve. or recon			<b>Status:</b> Exempt
MPMS Tit Improvement Tyj Est. Let Da Geographic Limi	tle:US6 ov pe:Bridge te:09/01/2	Replacemen 021 ver Phoenix	Run nt Exe Actua	Route:6 empt Code:W I Let Date: Township, 58	iden narw. pav 000600200000	ve. or recon	brdgs (No add		Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:US6 ov pe:Bridge te:09/01/2	Replacemen 021 ver Phoenix	Run nt Exe Actua Run , Gaines	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru	iden narw. pav 000600200000	ve. or recon	brdgs (No add		Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:US6 ov pe:Bridge te:09/01/2	Replacemen 021 ver Phoenix	Run nt Exe Actua Run , Gaines	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru	iden narw. pav 000600200000 n in Gaines To	ve. or recon	brdgs (No add		Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge	Replacemen 021 ver Phoenix replacemen	Run nt Exe Actua Run , Gaines it on S.R. 6 ove	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progra	iden narw. pav 2000600200000 n in Gaines To am Years (\$000)	ve. or recon ) <u>,</u> ownship, Tic	brdgs (No add oga County.	Itl lanes)	Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase	Replacemen 021 ver Phoenix replacemen Fund	Run nt Exe Actua Run , Gaines It on S.R. 6 ove	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progra 2020	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021	ye. or recon ), pwnship, Tic 2022	brdgs (No add oga County. 2nd 4 Years	itl lanes) 3rd 4 Years \$ 0	Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase FD	Replacemen 021 ver Phoenix replacemen Fund 185	Run nt Exe Actua Run , Gaines t on S.R. 6 ove 2019 \$ 0	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progra 2020 \$ 0	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021 \$ 20	7e. or recon ), pwnship, Tic 2022 \$ 0	brdgs (No add oga County. 2nd 4 Years \$ 0	Itl lanes) 3rd 4 Years \$ 0	Status:Exempt
MPMS Tit Improvement Tyj Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase FD UTL	Replacemen 021 ver Phoenix replacemen Fund 185 185	Run nt Exe Actua Run , Gaines it on S.R. 6 ove 2019 \$ 0 \$ 0	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progr 2020 \$ 0 \$ 0	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021 \$ 20 \$ 0	2022 \$ 0 \$ 20 \$ 20 \$ 20 \$ 20	brdgs (No add oga County. 2nd 4 Years \$ 0 \$ 0	Itl lanes) 3rd 4 Years \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase FD UTL ROW	Replacemen 021 ver Phoenix replacemen Fund 185 185 185	Run nt Exe Actua Run , Gaines t on S.R. 6 ove 2019 \$ 0 \$ 0 \$ 0 \$ 0	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progr 2020 \$ 0 \$ 0 \$ 0 \$ 0	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021 \$ 20 \$ 0 \$ 0 \$ 20	2022 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0	brdgs (No add oga County. 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Itl lanes) 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase FD UTL ROW	Replacemen 021 ver Phoenix replacemen Fund 185 185 185 NHPP	Run nt Exe Actua Run , Gaines it on S.R. 6 ove 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progr 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 40	2022 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 1,616	brdgs (No add oga County. 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 140	Itl lanes) 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
Tit Improvement Tyj Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase FD UTL ROW	Replacemen 021 ver Phoenix replacemen Fund 185 185 185 NHPP	Run nt Exe Actua Run , Gaines it on S.R. 6 ove 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progr 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 40	2022 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 1,616	brdgs (No add oga County. 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 140	Itl lanes) 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	ele:US6 ov pe:Bridge te:09/01/2 its:US 6 ov ve:Bridge Phase FD UTL ROW	Replacemen 021 ver Phoenix replacemen Fund 185 185 185 NHPP	Run nt Exe Actua Run , Gaines it on S.R. 6 ove 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:6 empt Code:W I Let Date: Township, 58 er Phoenix Ru TIP Progr 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	iden narw. pav 2000600200000 n in Gaines To am Years (\$000) 2021 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 40	2022 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 1,616	brdgs (No add oga County. 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 140	Itl lanes) 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Status:Exempt

	ioga							Current Date	
98478									
	<b>S</b> #:98478	0 71		nicipality:Su	× 17				~
Т	itle:SR2022	Ov Tb to	Corey	Route:20	22	5	Section:010	A/Q	Status:Exempt
Improvement Ty	Crk vno:Bridge I	Pahabilitat	ion Evo	mnt Cada:W	iden narw. pav	a or recon l	ordas (No.add	It lanes)	
	ate:09/01/20			Let Date:	iden narw. pav		orugs (ino auc	ni ianes)	
Geographic Lin					tary to Corey	Creek, Sulli	van Township	)	
				-					vnship, Tioga Co
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	185	\$ 0	\$ 0	\$ 0	\$ 50	\$ 0	\$ 0	
	FD	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10	\$ O	
	UTL	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20	\$ 0	
	ROW	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20	<b>\$</b> 0	
	CON	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 250	\$ O	
			\$ 0	\$ 0	\$ 0	\$ 50	\$ 300	<b>\$</b> 0	
			Total FY 2019	-2022 Cost \$	50				
8515									
	S #:98515				arleston (Twp	-			
T Improvement Ty	itle:SR4039			Route:40	39 iden narw. pav		Section:006		Status:Exempt
	ate:01/16/20			Let Date:	iuen naiw. pav		orugs (no auc	iti ianes)	
Geographic Lin					Creek. Charle	eston Towns	hip. BMS 584	103900900487	,
•			on on SR 4039	<i>,</i>	-		- ·		
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	185	\$ 0	\$ 60	\$ 0	\$ 0	\$ 0	\$ 0	
			\$ 0	\$ 60	\$ 0	\$ 0	\$ 0	\$ 0	
					60				
			Total FY 2019	-2022 Cost \$	00			1	
			Fotal FY 2019	-2022 Cost \$	00				
99107			Total FY 2019	-2022 Cost \$	00				

Tiog	a							Current Dat	C. J/21/10
9107									
MPMS #	<b>:</b> 99107		М	unicipality:Rie	chmond (Twp)				
Title	US6ov	Гb N Elk Rur	1	Route:6		S	Section:130	A/Q	Status:Exempt
Improvement Type	Bridge	Replacement	Exe	empt Code:Wi	den narw. pavo	e. or recon	ordgs (No add	tl lanes)	
Est. Let Date				l Let Date:					
Geographic Limits									
Narrative	Bridge	replacement	on US Route		ary to North El	k Run in Ri	chmond Tow	nship, Tioga	County.
					am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	FD	185	\$ 0	\$ 10	\$ 0	\$ 0	\$ 0	\$ 0	
	UTL	185	\$ 0	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	
	ROW	185	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	\$ 0	
	CON	NHPP	\$ 0	\$ 0	\$ 0	\$ 500	\$ 1,026	\$ 0	
			\$ 0	\$ 30	\$ 20	\$ 500	\$ 1,026	\$ 0	
		Тс	otal FY 2019	-2022 Cost \$	550				
l									
99162									
MPMS #				unicipality:Tie	oga (Twp)				
	-	JS 15 MCGR		Route:15			Section:210		Status:Exempt
Improvement Type		-		-	ardrails, media	an barriers,	crash cushion	S	
Est. Let Date				ll Let Date:	nd Covington	Dlogg and	Liberty Torre	ahing and Dl	achura and
Geographic Limits		eld Boroughs		rioga, Kiciino	nu, covingion,	, DIUSS allu	Liberty Town	ships and bit	ossourg and
Narrative				an Barrier on I	IS 15 from PA	414 to PA	287 in Tioga	Richmond (	Covington, Bloss
		-		g and Mansfiel			207 III 110 <b>5u</b> ,	recentiona, v	covington, biosc
]				-	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	HSIP	\$ 950	\$ 0	\$ 0	\$ 449	\$ 379	<b>\$</b> 0	
			\$ 950	\$ 0	\$ 0	\$ 449	\$ 379	\$ 0	
		T		9-2022 Cost \$		Ψ ΤΤΣ	ψυτ	ψŪ	
		10	nai f i 2019	-2022 CUSI \$	1,377				

99164

								Current Date	: 5/21/18
Tiog	ga								
9164									
MPMS #				inicipality:					
		uide Sign V	10	Route:			Section:		Status:Exemp
Improvement Type				mpt Code:Tra	af contl deve a	& oper assist	- nonsignaliz	ation	
Est. Let Date				l Let Date:					
Geographic Limits		Liberty, B ceville Bor	-	n, Richmond,	l'ioga and Lav	vrence Town	ships and Blo	ossburg, Mans	field and
Narrative			ide Signs on U	S 15 in Libert	y, Bloss, Covi	ngton, Richr	nond, Tioga a	and Lawrence	Townships and
	1 1	2	eld and Lawrer			e ,	, 6		1
[		0,			um Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	581	\$ 75	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
			\$ 75	<b>\$</b> 0	\$ 0	\$ 0	\$ 0	\$ 0	
		r	Fotal FY 2019			÷ •	÷ •		
				-2022 Cost \$	15				
9169 MPMS # Title		owerRdtoS		unicipality:La Route:49	wrenceville (I	<i>,</i>	Section:066	A/Q	Status:Exemp
Improvement Type	Reconst	ruct	Exe	mpt Code:Pa	vement resurf	acing and/or	rehabilitation	l	
Est. Let Date				l Let Date:					
Geographic Limits						1			
Narrative	Reconst	truct PA 49	from Water T	ower Road to	PA 287 in La	wrence Town	nship and Lav	vrenceville Bo	rough, Tioga
г	County.								
				_	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	581	\$ 1,700	\$ 773	\$ 0	\$ 0	\$ 0	\$ 0	
			\$ 1,700	\$ 773	\$ 0	\$ 0	\$ 0	\$ 0	
		r	Fatal FV 2019	-2022 Cost \$	2.473				
			10tai i 1 2017	<b>1011</b> 0050 ¢	_,				
					_,				

Tiog	ga								
170	ə <sup>-</sup>								
MPMS #	<b>#:</b> 99170		Mur	nicipality:Tio	ga (Twp)				
Title	e:SR15 to	Mitchell (	Creek	Route:287	,	S	Section:146	A/Q	Status:Exempt
	Rd								
Improvement Type				npt Code:Pav	ement resurf	acing and/or	rehabilitation		
Est. Let Date				Let Date:	···· T· 1'				
Geographic Limit			7 from S.R. 15 to		-	-	hin Tiogo Co		
Ivailativo	e- <sub>i</sub> kesuita	ce S.K. 28	/ 110111 S.K. 13 u		m Years (\$000)	loga Towns	nip, 1 loga Co		
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	581	\$ 0	\$ 0	\$ 50	\$ 0	\$ 0	\$ 0	
	FD	581	\$ 0	\$ 0	\$ 0	\$ 75	\$ 0	\$ 0	
	CON	409	\$ 0 \$ 0	\$ 0	\$ 0	\$ 0	\$ 300	\$ 0 \$ 0	
		409	\$ 0 \$ 0	\$ 0 \$ 0					
					\$ 50	\$ 75	\$ 300	\$ 0	
			Total FY 2019-2	2022 Cost § 1	.25				
9171 MPMS #	#:99171		Mur	nicipality:We	stfield (Twp)				
MPMS # Title	e:Ladd Ro	l to SR 49		Route:349	)	S	Section:008		<b>Status:</b> Exempt
MPMS # Title Improvement Type	e:Ladd Ro e:Reconst	ruct	Exen	Route:349	)	S			Status:Exempt
MPMS # Title Improvement Type Est. Let Date	e:Ladd Ro e:Reconst e:10/01/20	ruct 021	Exen Actual	Route:349 npt Code:Pav Let Date:	ement resurf	s acing and/or	rehabilitation		<b>Status:</b> Exempt
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349	ruct 021 from Lade	Exen Actual	Route:349 npt Code:Pav Let Date: , Westfield To	rement resurf	s acing and/or Westfield B	rehabilitation		
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349	ruct 021 from Lade	Exen Actual 1 Road to PA 49	Route:349 npt Code:Pav Let Date: , Westfield To .oad to S.R. 49	rement resurf	s acing and/or Westfield B	rehabilitation		
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349	ruct 021 from Lade	Exen Actual 1 Road to PA 49	Route:349 npt Code:Pav Let Date: , Westfield To .oad to S.R. 49	ement resurf ownship and 9 in Westfield	s acing and/or Westfield B	rehabilitation		
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Rc e:Reconst e:10/01/20 s:PA 349 e:Reconst	ruct 021 from Lado truct S.R. 3	Exen Actual 1 Road to PA 49 349 from Ladd R	Route:349 npt Code:Pav Let Date: , Westfield To .oad to S.R. 49 TIP Program	ownship and 9 in Westfield m Years (\$000)	s acing and/or Westfield B d Township	rehabilitation prough, and Westfield	Borough, Tic	
Title Improvement Type Est. Let Date Geographic Limite	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst	ruct 021 from Ladd truct S.R. 3 Fund	Exen Actual 1 Road to PA 49 349 from Ladd R 2019	Route:349 ppt Code:Pav Let Date: , Westfield To .oad to S.R. 49 TIP Program 2020	eement resurf ownship and 9 in Westfield m Years (\$000) 2021	s acing and/or Westfield B d Township 2022	rehabilitation prough, and Westfield 2nd 4 Years	Borough, Tic 3rd 4 Years	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst Phase FD	ruct 021 from Ladc ruct S.R. 3 Fund 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175	Route:349 npt Code:Pav Let Date: , Westfield To .oad to S.R. 49 TIP Program 2020 \$ 0	eement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0	s acing and/or Westfield B d Township 2022 \$ 0	rehabilitation prough, and Westfield 2nd 4 Years \$ 0	Borough, Tio 3rd 4 Years \$ 0	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst e:Reconst Phase FD UTL	ruct 021 from Lade truct S.R. 3 Fund 581 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175 \$ 0	Route:349 ppt Code:Pav Let Date: , Westfield To coad to S.R. 49 TIP Program 2020 \$ 0 \$ 0 \$ 0	eement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0 \$ 500	s acing and/or <u>Westfield B</u> <u>1 Township</u> 2022 \$ 0 \$ 0 \$ 0	rehabilitation orough, and Westfield 2nd 4 Years \$ 0 \$ 0	Borough, Tic 3rd 4 Years \$ 0 \$ 0	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst e:Reconst Phase FD UTL ROW	ruct 021 from Lado ruct S.R. 3 Fund 581 581 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175 \$ 0 \$ 175 \$ 0 \$ 175 \$ 0	Route:349 npt Code:Pav Let Date: , Westfield To coad to S.R. 49 TIP Program 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	pement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0 \$ 500 \$ 0	s acing and/or Westfield B d Township 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 2,124	rehabilitation prough, and Westfield 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 4,876	Borough, Tio <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst e:Reconst Phase FD UTL ROW	ruct 021 from Ladd ruct S.R. 3 Fund 581 581 581 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175 \$ 0 \$ 175 \$ 0 \$ 175 \$ 0 \$ 350	Route:349 ppt Code:Pav Let Date: , Westfield To coad to S.R. 49 TIP Program 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	ement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0 \$ 500 \$ 0 \$ 0 \$ 0 \$ 500	s acing and/or Westfield B d Township 2022 \$ 0 \$ 0 \$ 0 \$ 0	rehabilitation prough, and Westfield 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Borough, Tic <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst e:Reconst Phase FD UTL ROW	ruct 021 from Ladd ruct S.R. 3 Fund 581 581 581 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175 \$ 0 \$ 175 \$ 0 \$ 175 \$ 0	Route:349 ppt Code:Pav Let Date: , Westfield To coad to S.R. 49 TIP Program 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	ement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0 \$ 500 \$ 0 \$ 0 \$ 0 \$ 500	s acing and/or Westfield B d Township 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 2,124	rehabilitation prough, and Westfield 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 4,876	Borough, Tio <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst e:Reconst Phase FD UTL ROW	ruct 021 from Ladd ruct S.R. 3 Fund 581 581 581 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175 \$ 0 \$ 175 \$ 0 \$ 175 \$ 0 \$ 350	Route:349 ppt Code:Pav Let Date: , Westfield To coad to S.R. 49 TIP Program 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	ement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0 \$ 500 \$ 0 \$ 0 \$ 0 \$ 500	s acing and/or Westfield B d Township 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 2,124	rehabilitation prough, and Westfield 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 4,876	Borough, Tio <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	
MPMS # Title Improvement Type Est. Let Date Geographic Limit	e:Ladd Ro e:Reconst e:10/01/20 s:PA 349 e:Reconst e:Reconst Phase FD UTL ROW	ruct 021 from Ladd ruct S.R. 3 Fund 581 581 581 581	Exen Actual 1 Road to PA 49 349 from Ladd R 2019 \$ 175 \$ 0 \$ 175 \$ 0 \$ 175 \$ 0 \$ 350	Route:349 ppt Code:Pav Let Date: , Westfield To coad to S.R. 49 TIP Program 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	ement resurf ownship and 9 in Westfield m Years (\$000) 2021 \$ 0 \$ 500 \$ 0 \$ 0 \$ 0 \$ 500	s acing and/or Westfield B d Township 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 2,124	rehabilitation prough, and Westfield 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 4,876	Borough, Tio <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	

								Current Date	: 5/21/18
Tiog	ga							Current Dut	
99173									
MPMS #	<b>:</b> 99173		Мι	ı <b>nicipality:</b> Lit	berty (Boro)				
	e:SR15 to			Route:414			Section:059		Status:Exempt
Improvement Type				empt Code:Pa	vement resurf	acing and/or	rehabilitation	l	
Est. Let Date				l Let Date:	<b>G () T 1</b>			D 1	
Geographic Limits							1 1		Demonster Time
Inarrative	County.		14 from US 15	to State Route	2005 (water	Street) in Li	berty Townsh	ip and Liberty	Borough, Tiog
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	581	\$ 2,230	\$ 1,150	\$ 620	\$ 0	\$ 0	\$ 0	
			\$ 2,230	\$ 1,150	\$ 620	\$ 0	\$ 0	\$ 0	
			Total FY 2019	-2022 Cost \$	4,000				
99187 MPMS #	4.00197		м.	inicipality:La	uranaavilla (	Doro)			
		o NY State		<b>Route:</b> 10		<i>,</i>	Section:011	A/O	Status:Exempt
Improvement Type				mpt Code:Pa				-	otutustExtempt
Est. Let Date				l Let Date:03		e			
	SR 1014	from PA	49 to New Yor	k State Line.	T '11				
Geographic Limits	. <u>SK 101.</u>				Lawrenceville	e Boro.			
	-	ce Roadwa	ay on SR 1015				State Line in 1	Lawrenceville	Borough, Tiog
	-		ay on SR 1015	(Main Street)	from PA 49 to	o New York	State Line in I	Lawrenceville	Borough, Tiog
	e:Resurfac County.			(Main Street)	from PA 49 to am Years (\$000)	) New York			Borough, Tiog
	e:Resurfac County. Phase	Fund	2019	(Main Street) = TIP Progra 2020	from PA 49 to am Years (\$000) 2021	2022	2nd 4 Years	Lawrenceville 3rd 4 Years	Borough, Tiog
	e:Resurfac County.			(Main Street)	from PA 49 to am Years (\$000)	) New York			Borough, Tiog
	e:Resurfac County. Phase	Fund	2019	(Main Street) = TIP Progra 2020	from PA 49 to am Years (\$000) 2021	2022	2nd 4 Years	3rd 4 Years	Borough, Tiog
	e:Resurfac County. Phase	Fund 581	<b>2019</b> \$ 305	(Main Street) = TIP Progra 2020 \$ 0 \$ 0	from PA 49 to am Years (\$000) 2021 \$ 0 \$ 0	2022 \$ 0	2nd 4 Years \$ 0	3rd 4 Years \$ 0	Borough, Tiog
	e:Resurfac County. Phase	Fund 581	<b>2019</b> \$ 305 \$ 305	(Main Street) = TIP Progra 2020 \$ 0 \$ 0	from PA 49 to am Years (\$000) 2021 \$ 0 \$ 0	2022 \$ 0	2nd 4 Years \$ 0	3rd 4 Years \$ 0	Borough, Tiog
	e:Resurfac County. Phase	Fund 581	<b>2019</b> \$ 305 \$ 305	(Main Street) = TIP Progra 2020 \$ 0 \$ 0	from PA 49 to am Years (\$000) 2021 \$ 0 \$ 0	2022 \$ 0	2nd 4 Years \$ 0	3rd 4 Years \$ 0	Borough, Tiog

	ioga							Current Date: 5/21/	18
9365	loga								
	<b>S #:</b> 99365		Mu	nicipality:Jac	ckson (Twp)				
Ti	tle:SR1013	ov Hamm	ond	Route:10	13	\$	Section:012	A/Q Status	:Exemp
I	Creek	r	The second se				h	(11)	
Improvement Ty Est. Let Da				mpt Code: Wi l Let Date:	iden narw. pa	ve. or recon	brdgs (No add	iti lanes)	
Geographic Lim					Iammond Cre	ek, Jackson	Township		
• •								son Township, Tiog	ga Count
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	185	\$ 0	\$ 40	\$ 0	\$ 0	\$ 0	\$ 0	
	FD	185	\$ 0	\$ 0	\$ 0	\$ 10	\$ 0	\$ O	
	UTL	185	\$ 0	\$ 0	\$ 0	\$ 20	\$ 0	\$ O	
	ROW	185	\$ 0	\$ 0	\$ 0	\$ 20	\$ 0	\$ O	
	CON	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150	\$ 0	
			\$ 0	\$ 40	\$ 0	\$ 50	\$ 150	\$ 0	
		F	Fotal FY 2019	-2022 Cost \$	90				
9367									
	<b>S #:</b> 99367		Mu	nicipality:Jac	ckson (Twp)				
		ov Allen (	Creek	Route:10	22	5	Section:025	A/Q Status	Exemp
Ti	tle:SR1022 #2								
	#2		nt Exe	mpt Code:W	iden narw. pa	ve. or recon	brdgs (No add	ltl lanes)	
	#2 pe:Bridge	Replaceme		mpt Code:W   Let Date:	iden narw. pa	ve. or recon	brdgs (No add	tl lanes)	
Improvement Ty Est. Let D: Geographic Lim	#2 <b>pe:</b> Bridge I <b>ate:</b> 09/01/2 <b>its:</b> State Re	Replaceme 020 pute 1022 (	Actua North Road) or	<b>Let Date:</b> ver Allen Cree	ek, Jackson To	ownship	- `,		
Improvement Ty Est. Let D: Geographic Lim	#2 <b>pe:</b> Bridge I <b>ate:</b> 09/01/2 <b>its:</b> State Re	Replaceme 020 pute 1022 (	Actua North Road) or	Let Date: ver Allen Cree (North Road)	ek, Jackson To over Allen C	ownship reek in Jacks	- `,	ltl lanes) , Tioga County.	
Improvement Ty Est. Let D Geographic Lim	#2 <b>pe:Bridge D</b> <b>ate:09/01/2</b> <b>its:State Ro</b> <b>ive:Bridge D</b>	Replaceme 020 oute 1022 ( replacemer	Actua North Road) or It on S.R. 1022	Let Date: ver Allen Cree (North Road) TIP Progra	ek, Jackson To over Allen C am Years (\$000)	ownship reek in Jacks	son Township	, Tioga County.	
Improvement Ty Est. Let D Geographic Lim	#2 <b>pe:</b> Bridge I <b>ate:</b> 09/01/2 <b>its:</b> State Ro <b>ive:</b> Bridge I Phase	Replaceme 020 oute 1022 ( replacemer Fund	Actua North Road) or It on S.R. 1022 2019	Let Date: ver Allen Cree (North Road) TIP Progra 2020	ek, Jackson To over Allen C am Years (\$000) 2021	ownship reek in Jacks 2022	son Township 2nd 4 Years	, Tioga County. 3rd 4 Years	
Improvement Ty Est. Let D Geographic Lim	#2 rpe:Bridge I ate:09/01/2 its:State Ro ive:Bridge I Phase FD	Replaceme 020 oute 1022 ( replacemer Fund 185	Actua North Road) or ht on S.R. 1022 2019 \$ 0	Let Date: ver Allen Cree (North Road) TIP Progra 2020 \$ 10	ek, Jackson To over Allen C am Years (\$000) 2021 \$ 0	ownship reek in Jacks 2022 \$ 0	son Township 2nd 4 Years \$ 0	, Tioga County. 3rd 4 Years \$ 0	
Improvement Ty Est. Let D Geographic Lim	#2 rpe:Bridge D ate:09/01/2 its:State Ro ive:Bridge D Phase FD UTL	Replaceme 020 oute 1022 ( replacemer Fund 185 185	Actua North Road) or It on S.R. 1022 2019 \$ 0 \$ 0	I Let Date: ver Allen Cree (North Road) TIP Progra 2020 \$ 10 \$ 20	ek, Jackson To over Allen C am Years (\$000) 2021 \$ 0 \$ 0	ownship reek in Jacks 2022 \$ 0 \$ 0	son Township 2nd 4 Years \$ 0 \$ 0	, Tioga County. 3rd 4 Years \$ 0 \$ 0	
Improvement Ty Est. Let D Geographic Lim	#2 rpe:Bridge I ate:09/01/2 its:State Ro ive:Bridge I Phase FD UTL ROW	Replaceme 020 oute 1022 ( replacemer Fund 185 185 185	Actua North Road) or It on S.R. 1022 2019 \$ 0 \$ 0 \$ 0	Let Date: ver Allen Cree (North Road) TIP Progra 2020 \$ 10 \$ 20 \$ 20 \$ 20	ek, Jackson To over Allen C am Years (\$000) 2021 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	son Township 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	, Tioga County. <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	
Improvement Ty Est. Let D Geographic Lim	#2 rpe:Bridge D ate:09/01/2 its:State Ro ive:Bridge D Phase FD UTL	Replaceme 020 oute 1022 ( replacemer Fund 185 185	Actua <u>North Road) or</u> <u>it on S.R. 1022</u> 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Let Date: <u>ver Allen Cree</u> (North Road) TIP Progra 2020 \$ 10 \$ 20 \$ 20 \$ 20 \$ 20 \$ 0	ek, Jackson To over Allen C am Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 150	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	son Township 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	, Tioga County. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	
Improvement Ty Est. Let D Geographic Lim	#2 rpe:Bridge I ate:09/01/2 its:State Ro ive:Bridge I Phase FD UTL ROW	Replaceme 020 oute 1022 ( replacemer Fund 185 185 185 185	Actua North Road) or it on S.R. 1022 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Let Date: ver Allen Cree (North Road) TIP Progra 2020 \$ 10 \$ 20 \$ 20 \$ 20 \$ 0 \$ 50	ek, Jackson To over Allen C am Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 150 \$ 150	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	son Township 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	, Tioga County. <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	
Improvement Ty Est. Let D Geographic Lim	#2 rpe:Bridge I ate:09/01/2 its:State Ro ive:Bridge I Phase FD UTL ROW	Replaceme 020 oute 1022 ( replacemer Fund 185 185 185 185	Actua <u>North Road) or</u> <u>it on S.R. 1022</u> 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Let Date: ver Allen Cree (North Road) TIP Progra 2020 \$ 10 \$ 20 \$ 20 \$ 20 \$ 0 \$ 50	ek, Jackson To over Allen C am Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 150 \$ 150	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	son Township 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	, Tioga County. 3rd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	

т	iogo							Current Date:	5/21/18
99368	ioga								
	<b>S #:</b> 99368		Mu	nicipality:Lib	erty (Twp)				
	itle:SR2011	ov Blockł		Route:20	• • • •	S	Section:002	A/Q S	Status:Exempt
	Crk								-
Improvement Ty				mpt Code:Wi	den narw. pav	ve. or recon	brdgs (No add	ltl lanes)	
	ate:09/01/2			Let Date:	~ ~ ~				
Geographic Lin						-	-	T	Constant of Constant
Inarrat	Ive:Bridge	replacemen	nt on S.R. 2011	×	,	cknouse Cre	ek in Liberty	Township, Tic	oga County
	Phase	Fund	2019	2020	m Years (\$000) 2021	2022	2nd 4 Years	3rd 4 Years	
	PE	185	\$ 0	\$ 0	\$ 0	\$ 50	2nd 4 Tears \$ 0	\$ 0	
	FD	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10	\$ 0 \$ 0	
	UTL	185	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0 \$ 0	\$ 10 \$ 20	\$ 0 \$ 0	
	ROW	185	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0 \$ 0	\$ 20 \$ 20	\$ 0 \$ 0	
	CON	185	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0	\$ 150	\$ 0	
			\$ 0	\$ 0	\$ 0	\$ 50	\$ 200	\$ 0	
			Total FY 2019	-2022 Cost \$ 5	50				
9377									
MPM	<b>S #:</b> 99377		Mu	nicipality:Ch	arleston (Twp	)			
	itle:SR3009			Route:300			Section:017		Status:Exempt
Improvement Ty				mpt Code:Wi	den narw. pav	e. or recon	brdgs (No add	ltl lanes)	
	ate:02/28/20			Let Date:	laston Crook	Charleston 7	Tourshin		
Geographic Lim			ure rehabilitation					leston Creek in	Charleston
1 (41144	0	ip, Tioga (			uie 5007 (10	und rop Roe			Charleston
		F, 50	j-	TIP Progra	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	185	\$ 200	\$ 130	\$ 0	\$ 0	\$ 0	\$ O	
			\$ 200	\$ 130	\$ 0	\$ 0	\$ 0	\$ O	
			Total FY 2019	-2022 Cost \$ 3	330				
99387									

Tio	ga								
99387	5**								
MPMS	# <b>:</b> 99387		Мι	inicipality:De	elmar (Twp)				
Titl	e:Dantz F	Run to PA 2		Route:6		\$	Section:065	A/Q	Status:Exemp
Improvement Typ			Exe	mpt Code:Pa	vement resurf	acing and/or	rehabilitation		
Est. Let Dat				l Let Date:					
Geographic Limit	-								
Narrativ	e:Resurfa	ace US 6 fro	om Dantz Run				County.		
				0	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	NHPP	\$ 0	\$ 1,217	\$ 973	\$ 0	\$ 0	\$ 0	
	CON	581	\$ 0	\$ 0	\$ 1,655	\$ 3,155	\$ 0	\$ 0	
			\$ 0	\$ 1,217	\$ 2,628	\$ 3,155	\$ 0	\$ 0	
		]	Fotal FY <b>2</b> 019	-2022 Cost \$	7,000				
0200									
	#•99388		Mı	unicinality•De	erfield (Twn)				
MPMS		to Renkin S		inicipality:De Route:49			Section:070	 A/O	Status:Exemp
MPMS Titl	e:East St		St	Route:49		5	Section:070	-	Status:Exemp
MPMS	e:East St e:Resurfa	ice	St Exe			5		-	Status:Exemp
Titl Improvement Typ	e:East St e:Resurfa e:01/01/2	ace 023	St Exe Actua	Route:49 mpt Code:Pa l Let Date:	vement resurf	acing and/or	rehabilitation		<b>Status:</b> Exemp
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f	ice 023 from East S	St Exe Actua	Route:49 mpt Code:Pa l Let Date: Deerfield and	vement resurf Osceola Tow	acing and/or	rehabilitation	0390/2681	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f	ice 023 from East S	St Exe Actua t to Renkin St,	Route:49 mpt Code:Pa l Let Date: Deerfield and et to Renkin S	vement resurf Osceola Tow	acing and/or nships, Seg ield and Osc	rehabilitation	0390/2681	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f	ice 023 from East S	St Exe Actua t to Renkin St,	Route:49 mpt Code:Pa l Let Date: Deerfield and et to Renkin S	vement resurf Osceola Tow treet in Deerf	acing and/or nships, Seg ield and Osc	rehabilitation	0390/2681	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f e:Resurfa	ice 023 from East S ice S.R. 49	St Exe Actua t to Renkin St, from East Stre	Route:49 mpt Code:Pa I Let Date: Deerfield and et to Renkin S TIP Progra	vement resurf Osceola Tow treet in Deerf am Years (\$000)	acing and/or rnships, Seg field and Osc	rehabilitation 0280/0000 to eola Townshij	0390/2681 ps, Tioga Cou	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f e:Resurfa Phase	ice 023 from East S ice S.R. 49 Fund	St Exe Actua t to Renkin St, from East Stre 2019	Route:49 mpt Code:Pa I Let Date: Deerfield and et to Renkin S TIP Progra 2020	vement resurf Osceola Tow treet in Deerf am Years (\$000) 2021	acing and/or rnships, Seg ield and Osc 2022	r rehabilitation 0280/0000 to eola Townshij 2nd 4 Years	0390/2681 ps, Tioga Cou 3rd 4 Years	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f e:Resurfa Phase FD	ice 023 from East S ice S.R. 49 Fund 581	St Exe Actua t to Renkin St, from East Stre 2019 \$ 0	Route:49 mpt Code:Pa I Let Date: Deerfield and et to Renkin S TIP Progra 2020 \$ 0	vement resurf Osceola Tow treet in Deerf am Years (\$000) 2021 \$ 0	acing and/or mships, Seg ield and Osc 2022 \$ 10	rehabilitation 0280/0000 to eola Townshij 2nd 4 Years \$ 0	0390/2681 ps, Tioga Cou 3rd 4 Years \$ 0	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f e:Resurfa Phase FD	rce 023 from East S ace S.R. 49 Fund 581 409	St Exe Actua t to Renkin St, from East Stre 2019 \$ 0 \$ 0	Route:49 mpt Code:Pa I Let Date: Deerfield and et to Renkin S TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0	vement resurf Osceola Tow treet in Deerf am Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or mships, Seg ield and Osc 2022 \$ 10 \$ 0	r rehabilitation 0280/0000 to eola Township 2nd 4 Years \$ 0 \$ 3,700	0390/2681 os, Tioga Cou 3rd 4 Years \$ 0 \$ 0	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f e:Resurfa Phase FD	rce 023 from East S ace S.R. 49 Fund 581 409	St Exe Actua t to Renkin St, from East Stre 2019 \$ 0 \$ 0 \$ 0 \$ 0	Route:49 mpt Code:Pa I Let Date: Deerfield and et to Renkin S TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0	vement resurf Osceola Tow treet in Deerf am Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or mships, Seg ield and Osc 2022 \$ 10 \$ 0	r rehabilitation 0280/0000 to eola Township 2nd 4 Years \$ 0 \$ 3,700	0390/2681 os, Tioga Cou 3rd 4 Years \$ 0 \$ 0	
MPMS Titl Improvement Typ Est. Let Dat Geographic Limit	e:East St e:Resurfa e:01/01/2 s:PA 49 f e:Resurfa Phase FD	rce 023 from East S ace S.R. 49 Fund 581 409	St Exe Actua t to Renkin St, from East Stre 2019 \$ 0 \$ 0 \$ 0 \$ 0	Route:49 mpt Code:Pa I Let Date: Deerfield and et to Renkin S TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0	vement resurf Osceola Tow treet in Deerf am Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or mships, Seg ield and Osc 2022 \$ 10 \$ 0	r rehabilitation 0280/0000 to eola Township 2nd 4 Years \$ 0 \$ 3,700	0390/2681 os, Tioga Cou 3rd 4 Years \$ 0 \$ 0	

	Tioga							Current Date:	
99413									
	MPMS #:99413		Ми	inicipality:De	· · · · ·				
	Title:SR302			Route:302			Section:003		tatus:Exempt
-	ment Type:Bridge	-		mpt Code:Wi	den narw. pav	e. or recon l	ordgs (No add	tl lanes)	
	t. Let Date:01/16/ ohic Limits:State F			l Let Date:	Run Delmar	Township			
Geograf	Narrative:Bridge					-	un in Delmar	Townshin Tic	oga County
			on on State Ro		m Years (\$000)			Township, Th	<u>Bu county</u>
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	185	\$ 20	\$ 0	\$ 0	\$ 0	\$ 0	\$ O	
	FD	185	\$ 0	\$ 10	\$ 0	\$ 0	\$ 0	\$ O	
	UTL	185	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	\$ O	
	ROW	185	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	\$ O	
			\$ 20	\$ 50	<b>\$</b> 0	\$ 0	\$ 0	\$ 0	
			Total FY 2019	-2022 Cost \$ '	70				
					-				
99414									
	MPMS #:99414 Title:SR302			inicipality:De Route:302			Section:004		totuc. Exampt
Improve	ment Type:Bridge			mpt Code:Wi					tatus:Exempt
improve	t. Let Date:01/16/	-		l Let Date:			51 <b>u</b> go (110 <b>uuu</b>	u lunes)	
-	C Let Date 101/10/								
Es	ohic Limits:State I	Route 3023	Heise Run Roa	d) over Heise	Run, Delmar	Township			
Es							Delmar Towns	hip, Tioga Cou	nty
Es	ohic Limits:State I			3 (Heise Run I			Delmar Towns	hip, Tioga Cou	nty
Es	ohic Limits:State F Narrative:Bridge Phase	e rehabilitati Fund	ion on S.R. 302 2019	3 (Heise Run I TIP Progra 2020	Road) over He m Years (\$000) 2021	eise Run in I 2022	2nd 4 Years	3rd 4 Years	nty
Es	ohic Limits:State F Narrative:Bridge Phase PE	e rehabilitati Fund 185	2019 \$ 20	3 (Heise Run I TIP Progra	Road) over He m Years (\$000)	eise Run in I		3rd 4 Years \$ 0	nty
Es	ohic Limits:State F Narrative:Bridge Phase	e rehabilitati Fund 185 185	2019 \$ 20 \$ 0	3 (Heise Run I TIP Progra 2020	Road) over He m Years (\$000) 2021	eise Run in I 2022	2nd 4 Years	3rd 4 Years \$ 0 \$ 0	nty
Es	ohic Limits:State F Narrative:Bridge Phase PE	e rehabilitati Fund 185 185	2019 \$ 20 \$ 0	3 (Heise Run I TIP Progra 2020 \$ 0	Road) over He m Years (\$000) 2021 \$ 0 \$ 10	2022 \$ 0	<b>2nd 4 Years</b> \$ 0 \$ 0	3rd 4 Years \$ 0	nty
Es	ohic Limits:State F Narrative:Bridge Phase PE FD	e rehabilitati Fund 185 185	2019 \$ 20 \$ 0	3 (Heise Run I TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0	Road) over He m Years (\$000) 2021 \$ 0 \$ 10 \$ 20	2022 \$ 0 \$ 0	<b>2nd 4 Years</b> \$ 0 \$ 0	3rd 4 Years \$ 0 \$ 0	nty

Т	ioga								e: 5/21/18
9415									
	<b>S</b> #:99415			nicipality:Cly	· · ·				
	itle:SR4001			Route:400			ection:027		Status:Exempt
Improvement Ty Est. Let D	ate:01/16/2	-		mpt Code:Wi Let Date:	den narw. pav	e. or recon t	rags (no add	u lanes)	
Geographic Lin					er Brook, Cly	mer Townsh	ip		
			nt on S.R. 4001				-	wnship, Tiog	a County.
				TIP Progra	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	185	\$ 0	\$ 0	\$ 40	\$ 0	\$ 0	\$ 0	
	FD	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 10	\$ 0	
	UTL	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20	\$ 0	
	ROW	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 20	\$ 0	
	CON	185	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150	\$ 0	
			\$ 0	\$ 0	\$ 40	\$ 0	\$ 200	\$ 0	
9416			Total FY 2019-	-2022 Cost \$ 4	40				
MPM T Improvement Ty		ovBrCum	Mu ningsCrl ent Exer	nicipality:Far Route:402 mpt Code:Wi	rmington (Twj 27	S	ection:006 ordgs (No add		Status:Exempt
MPM T Improvement Ty Est. Let D	itle:SR4027 ype:Bridge 1 ate:09/01/2	ovBrCumi Improvemo 023	Mu ningsCrl ent Exer Actual	nicipality:Far Route:402 mpt Code:Wi   Let Date:	rmington (Twj 27 den narw. pav	S re. or recon b	ordgs (No add	tl lanes)	-
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge 1 ate:09/01/2 nits:State Ro	ovBrCumi Improvemo 023 pute 4027 ( replacemen	Mu mingsCrl ent Exer Actual Cummings Cree	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over	mington (Twj 27 den narw. pav Branch of Cu	Stre. or recon b mmings Cre	ordgs (No add eek, Farmingt	tl lanes) on Township	-
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge 1 ate:09/01/2 hits:State Ro ive:Bridge 1	ovBrCumi Improvemo 023 pute 4027 ( replacemen	Mu mingsCrl ent Exer Actual Cummings Cree	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C	mington (Twj 27 den narw. pav Branch of Cu	Stre. or recon b mmings Cre	ordgs (No add eek, Farmingt	tl lanes) on Township	
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge 1 ate:09/01/2 hits:State Ro ive:Bridge 1 Tioga C Phase	ovBrCumi Improveme 023 Dute 4027 ( replacement County Fund	Mu mingsCrl ent Exer Actual Cummings Crea nt on S.R. 4027 2019	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020	mington (Tw) 27 den narw. pav Branch of Cu Treek Road) ov m Years (\$000) 2021	S re. or recon b ummings Cre ver Branch o 2022	ordgs (No add eek, Farmingt f Cummings 2nd 4 Years	tl lanes) on Township Creek in Farr 3rd 4 Years	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge L ate:09/01/2 hits:State Ro ive:Bridge L Tioga C Phase PE	ovBrCumi Improvema 023 pute 4027 ( replacemen County Fund 185	Mu mingsCrl ent Exer Actual Cummings Crea nt on S.R. 4027 2019 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0	rmington (Twj 27 den narw. pav Branch of Cu Preek Road) ov m Years (\$000) 2021 \$ 40	S re. or recon b ummings Cre ver Branch o 2022 \$ 0	ordgs (No add oek, Farmingt f Cummings 2nd 4 Years \$ 0	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge I ate:09/01/2 hits:State Ro ive:Bridge I Tioga C Phase PE FD	ovBrCumi Improveme 023 pute 4027 ( replacemen County Fund 185 185	Mu mingsCrl ent Exer Actual Cummings Crea it on S.R. 4027 2019 \$ 0 \$ 0 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0	rmington (Twj 27 den narw. pav <u>Branch of Cu</u> Creek Road) ov <b>Im Years (\$000)</b> 2021 \$ 40 \$ 0	S re. or recon b ummings Cre ver Branch o 2022 \$ 0 \$ 0 \$ 0	ordgs (No add oek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge D ate:09/01/2 its:State Red ive:Bridge D Tioga C Phase PE FD UTL	ovBrCumi Improveme 23 bute 4027 ( replacemen County Fund 185 185 185	Mu mingsCrl ent Exer Actual (Cummings Crea nt on S.R. 4027 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rmington (Twj 27 den narw. pav Branch of Cu Preek Road) ov <b>m Years (\$000)</b> 2021 \$ 40 \$ 0 \$ 0 \$ 0	See. or recon to ammings Creater Branch of 2022 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add oek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10 \$ 20	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge I ate:09/01/2 hits:State Ro ive:Bridge I Tioga C Phase PE FD UTL ROW	ovBrCumi Improveme 023 pute 4027 ( replacement County Fund 185 185 185 185	MuningsCri ent Exer Actual Cummings Crea it on S.R. 4027 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rmington (Twj 27 den narw. pav r Branch of Cu reek Road) ov 2021 \$ 40 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Source or record to the second	ek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10 \$ 20 \$ 20 \$ 20	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge D ate:09/01/2 its:State Red ive:Bridge D Tioga C Phase PE FD UTL	ovBrCumi Improveme 23 bute 4027 ( replacemen County Fund 185 185 185	Mu mingsCrl ent Exer Actual Cummings Crea It on S.R. 4027 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	rmington (Twj 27 den narw. pav Branch of Cu Preek Road) ov <b>m Years (\$000)</b> 2021 \$ 40 \$ 0 \$ 0 \$ 0	See. or recon to ammings Creater Branch of 2022 \$ 0 \$ 0 \$ 0 \$ 0	ordgs (No add oek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10 \$ 20	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge I ate:09/01/2 hits:State Ro ive:Bridge I Tioga C Phase PE FD UTL ROW	ovBrCumi Improveme 023 pute 4027 ( replacement County Fund 185 185 185 185	Mu mingsCrl ent Exer Actual Cummings Crea it on S.R. 4027 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rmington (Twj 27 den narw. pav r Branch of Cu reek Road) ov 2021 \$ 40 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Source or record to the second	ek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10 \$ 20 \$ 20 \$ 20	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nington Townshi
MPM T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge I ate:09/01/2 hits:State Ro ive:Bridge I Tioga C Phase PE FD UTL ROW	ovBrCumi Improveme 23 pute 4027 ( replacemen County Fund 185 185 185 185 185 185	Mu mingsCrl ent Exer Actual Cummings Crea It on S.R. 4027 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	rmington (Twp 27 den narw. pav Branch of Cu Treek Road) ov <b>m Years (\$000)</b> 2021 \$ 40 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 40	S re. or recon b <u>ammings Cre</u> ver Branch o 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rdgs (No add ek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10 \$ 20 \$ 20 \$ 150	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nington Townshi
T Improvement Ty Est. Let D Geographic Lin	itle:SR4027 ype:Bridge I ate:09/01/2 hits:State Ro ive:Bridge I Tioga C Phase PE FD UTL ROW	ovBrCumi Improveme 23 pute 4027 ( replacemen County Fund 185 185 185 185 185 185	Mu mingsCrl ent Exer Actual (Cummings Creation (Cummings Creation) (Cummings Creation)	nicipality:Far Route:402 mpt Code:Wi Let Date: ek Road) over (Cummings C TIP Progra 2020 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	rmington (Twp 27 den narw. pav Branch of Cu Treek Road) ov <b>m Years (\$000)</b> 2021 \$ 40 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 40	S re. or recon b <u>ammings Cre</u> ver Branch o 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rdgs (No add ek, Farmingt f Cummings 2nd 4 Years \$ 0 \$ 10 \$ 20 \$ 20 \$ 150	tl lanes) on Township Creek in Farr <b>3rd 4 Years</b> \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	nington Townshi

Ti	oga								
99424									
MPMS	#:99424		Mı	unicipality:Ma	ansfield (Boro	)			
Ti		as Street to	Old	Route:6			Section:136	A/(	<b>) Status:</b> Exempt
		burg Rd	-						
Improvement Ty Est. Let Da				-	vement resurf	acing and/or	rehabilitation	l	
Est. Let Da Geographic Lim				I Let Date: miles East of	Old Mainshu	σRoad Ma	nsfield Borou	oh and Rich	mond Townshin
						-		-	ough and Richmo
	Townsl						C		C
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	581	\$ 0	\$ 100	\$ 375	\$ 0	\$ 0	\$	D
	FD	STP	\$ 0	\$ 0	\$ 0	\$ 150	\$ 200	\$	D
	UTL	581	\$ 0	\$ 0	\$ 0	\$ 0	\$ 350	\$	O
	ROW	581	\$ 0	\$ 0	\$ 0	\$ 0	\$ 150	\$	D
	CON	NHPP	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,800	\$	D
	CON	STP	\$ 0	\$ 0	\$ 0	\$ 0	\$ 2,200	\$	D
			\$ 0	\$ 100	\$ 375	\$ 150	\$ 6,700	\$	D
					()=				
		]	Fotal FY 2019	-2022 Cost \$	625				
		]	Fotal FY 2019	-2022 Cost \$	625				
		]	Гоtal FY 2019	-2022 Cost \$	625				
	#.00426	1							
MPMS	5 #:99426		Mı	unicipality:Ri	chmond (Twp		Section:137	Δ/(	) Status: Exempt
MPMS	t <b>le:</b> Old Ma	inesburg R	Mı				Section:137	A/(	) Status:Exempt
MPMS	t <b>le:</b> Old Ma Strange	inesburg Ro	<b>Mu</b> d to	inicipality:Ri Route:6		S			) Status:Exempt
MPMS Tit	t <b>le:</b> Old Ma Strange pe:Resurfa	inesburg Ro Rd ice	Mu d to Exe	inicipality:Ri Route:6	chmond (Twp	S			) Status:Exempt
MPMS Tit Improvement Ty	tle:Old Ma Strange pe:Resurfa te:01/01/2 its:US 6 fr	inesburg Ro Rd ice 024 om 0.5 mile	Mu d to Exe Actua	inicipality:Ri Route:6 mpt Code:Pa I Let Date:	chmond (Twp vement resurf	acing and/or	rehabilitation	ı	-
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa te:01/01/2 its:US 6 fr Boroug	inesburg Ro Rd ice 024 om 0.5 mile h	Mu d to Exe Actua es East of Old 1	unicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro	chmond (Twp vement resurf ad to Strange	acing and/or Road , Richt	rehabilitation	livan Towns	hips, Mansfield
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa	inesburg Ro Rd ice 024 om 0.5 mile h ace S.R. 6 fi	Mu d to Exe Actua es East of Old I rom 0.5 miles I	Inicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M	chmond (Twp vement resurf ad to Strange	acing and/or Road , Richt	rehabilitation	livan Towns	-
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa	inesburg Ro Rd ice 024 om 0.5 mile h ace S.R. 6 fi	Mu d to Exe Actua es East of Old 1	unicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y	chmond (Twp vement resurf ad to Strange ainsburg Road	acing and/or Road , Richt I to Strange	rehabilitation	livan Towns	hips, Mansfield
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa	inesburg Ro Rd ice 024 om 0.5 mile h ace S.R. 6 fi	Mu d to Exe Actua es East of Old I rom 0.5 miles I	unicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y	chmond (Twp vement resurf ad to Strange	acing and/or Road , Richt I to Strange	rehabilitation	livan Towns	hips, Mansfield
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi	inesburg Ro Rd ice 024 om 0.5 mile h ace S.R. 6 fi eld Borougl	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count	Inicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000)	acing and/or Road , Richt I to Strange	rehabilitation nond and Sul Road in Richr	livan Towns nond and Su	hips, Mansfield Ilivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE	inesburg Ro Rd ice 2024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0	unicipality:Ri Route:6 mpt Code:Pa l Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375	acing and/or Road , Richt I to Strange 2022 \$ 0	rehabilitation mond and Sul Road in Richr 2nd 4 Years \$ 0	livan Towns nond and Su 3rd 4 Years \$ (	hips, Mansfield Ilivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE FD	inesburg Ro Rd 024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581 STP	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0	inicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200 \$ 0	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0	acing and/or Road , Richt I to Strange 2022 \$ 0 \$ 169	rehabilitation nond and Sul Road in Richr 2nd 4 Years \$ 0 \$ 273	livan Towns nond and Su 3rd 4 Years \$ (	hips, Mansfield Ilivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE FD UTL	inesburg Ro Rd 2024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581 STP 581	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	unicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200 \$ 0 \$ 0 \$ 0	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0 \$ 0 \$ 0	acing and/or Road , Richt I to Strange 2 2022 \$ 0 \$ 169 \$ 0	rehabilitation nond and Sul Road in Richr 2nd 4 Years \$ 0 \$ 273 \$ 500	livan Towns nond and Su 3rd 4 Years \$ ( \$ ( \$ )	hips, Mansfield Illivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug We:Resurfa Mansfi Phase PE FD UTL ROW	inesburg Ra Rd 024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581 STP 581 581	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	inicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or Road , Richt I to Strange 2022 \$ 0 \$ 169 \$ 0 \$ 0 \$ 0	rehabilitation mond and Sul Road in Richr 2nd 4 Years \$ 0 \$ 273 \$ 500 \$ 455	livan Towns nond and Su <b>3rd 4 Years</b> \$ ( \$ ( \$ ( \$ ( \$ (	hips, Mansfield Ilivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE FD UTL ROW CON	inesburg Ro Rd 2024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581 STP 581 581 581 581 NHPP	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Inicipality:Ri Route:6 Inpt Code:Pa I Let Date: Mainsburg Ro East of Old M Y TIP Progra 2020 \$ 200 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or Road , Richt I to Strange 1 2022 \$ 0 \$ 169 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rehabilitation mond and Sul Road in Richr 2nd 4 Years \$ 0 \$ 273 \$ 500 \$ 455 \$ 432	livan Towns nond and Su 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	hips, Mansfield Illivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE FD UTL ROW CON CON	inesburg Ro Rd 2024 om 0.5 mile h ace S.R. 6 fi eld Borougl Fund 581 STP 581 581 NHPP STP	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	unicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or Road , Richt I to Strange 3 2022 \$ 0 \$ 169 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rehabilitation nond and Sul Road in Richr 2nd 4 Years \$ 0 \$ 273 \$ 500 \$ 455 \$ 432 \$ 4,480	livan Towns nond and Su 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	hips, Mansfield Illivan Townships
MPMS Tit Improvement Ty Est. Let Da Geographic Limi	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE FD UTL ROW CON	inesburg Ro Rd 2024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581 STP 581 581 581 581 NHPP	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	inicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or Road , Richt I to Strange 2022 \$ 0 \$ 169 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rehabilitation mond and Sul Road in Richr <b>2nd 4 Years</b> \$ 0 \$ 273 \$ 500 \$ 455 \$ 432 \$ 4,480 \$ 6,089	livan Towns nond and Su <b>3rd 4 Years</b> \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	hips, Mansfield Illivan Townships
Tit Improvement Ty Est. Let Da Geographic Lim	tle:Old Ma Strange pe:Resurfa ite:01/01/2 its:US 6 fr Boroug ve:Resurfa Mansfi Phase PE FD UTL ROW CON CON	inesburg Ro Rd 2024 om 0.5 mile h ace S.R. 6 fi eld Borougl <b>Fund</b> 581 STP 581 581 NHPP STP 581	Mu d to Exe Actua es East of Old I rom 0.5 miles I h, Tioga Count 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	unicipality:Ri Route:6 mpt Code:Pa I Let Date: Mainsburg Ro East of Old M y TIP Progr 2020 \$ 200 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$	chmond (Twp vement resurf ad to Strange ainsburg Road am Years (\$000) 2021 \$ 375 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or Road , Richt I to Strange 3 2022 \$ 0 \$ 169 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	rehabilitation nond and Sul Road in Richr 2nd 4 Years \$ 0 \$ 273 \$ 500 \$ 455 \$ 432 \$ 4,480	livan Towns nond and Su 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	hips, Mansfield Illivan Townships

Tioga

99427

Tio	ga								
99427	ə								
	# <b>:</b> 99427		Mu	nicipality:Blos	ssburg (Boro	)			
Tit	le:Tioga R	iver to SR		Route:15	UX		Section:187	A/Q	Status:Exempt
Improvement Typ	e:Resurfa	ce	Exe	mpt Code:Pav	ement resurfa	acing and/or	rehabilitation	l	
Est. Let Dat				l Let Date:					
Geographic Limi	-							-	
Narrativ				(Williamson R	oad) to Tioga	a River in B	ossburg Boro	ugh, Coving	ton and Richmon
	lownsh	iips, Tioga	County	TID D	N/ (#000)				
	Phase	Fund	2019	TTP Program	n Years (\$000) 2021	2022	2nd 4 Years	3rd 4 Years	
	FD	581	\$ 0	\$ 0	\$ 0	\$ 15	2110 4 Tears \$ 0	\$ (	
	CON	409	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0 \$ 0	\$ 0		\$ (	
		409					\$ 4,350		
			\$ 0	\$ 0	\$ 0	\$15	\$ 4,350	\$ 0	
			Total FY 2019	-2022 Cost \$ 1	5				-
MPMS Tit		to Decker	St	nicipality:Mar Route:200 mpt Code:Pav	5	Ś	Section:014 rehabilitatior		<b>Status:</b> Exempt
MPMS Tit Improvement Typ Est. Let Dat	le:Main St be:Reconst te:01/11/20	ruct 024	St Exe Actual	Route:200 mpt Code:Pav I Let Date:	5 ement resurfa	acing and/or	rehabilitation		<b>2 Status:</b> Exempt
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St pe:Reconst te:01/11/20 ts:State Ro	ruct 024 oute 2005 (	St Exe Actual (Main Street) fr	Route:200 mpt Code:Pave l Let Date: om Main Street	5 ement resurfa t to Corey Sti	acing and/or reet , Mansfi	rehabilitatior		-
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St pe:Reconst te:01/11/20 ts:State Ro	ruct 024 oute 2005 (	St Exe Actual	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main	5 ement resurfa t to Corey Sti	acing and/or reet , Mansfi	rehabilitatior		-
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St pe:Reconst te:01/11/20 ts:State Ro	ruct 024 oute 2005 (	St Exe Actual (Main Street) fr	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main	5 ement resurfa t to Corey Sti Street to Cor	acing and/or reet , Mansfi	rehabilitatior		-
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St be:Reconst te:01/11/20 ts:State Ro re:Reconst	ruct 024 oute 2005 ( truct S.R. 2	St Exe Actual (Main Street) fr 2005 (Main Street)	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main TIP Program	5 ement resurfa t to Corey Sti Street to Cor n Years (\$000)	acing and/or reet , Mansfi ey Street in	rehabilitatior ield Borough Mansfield Bo	rough, Tioga	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St be:Reconst te:01/11/20 ts:State Ro re:Reconst Phase	ruct 024 oute 2005 ( truct S.R. 2 Fund	St Exe Actual (Main Street) fr 2005 (Main Stree 2019	Route:200. mpt Code:Pave I Let Date: om Main Street or Main Street eet) from Main TIP Program 2020	5 ement resurfa t to Corey Sta Street to Cor n Years (\$000) 2021	acing and/or reet , Mansfi ey Street in 2022	rehabilitatior eld Borough Mansfield Bo 2nd 4 Years	rough, Tioga 3rd 4 Years	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St ne:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE	ruct 024 oute 2005 ( truct S.R. 2 <b>Fund</b> 581	St Exe Actual (Main Street) fr 2005 (Main Stree 2019 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main TIP Program 2020 \$ 75	5 ement resurfa t to Corey Stri Street to Cor n Years (\$000) 2021 \$ 0	acing and/or reet , Mansfi ey Street in 2022 \$ 0	rehabilitation ield Borough Mansfield Bo 2nd 4 Years \$ 0	rough, Tiog <i>a</i> 3rd 4 Years \$ (	County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St re:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE FD	ruct 024 pute 2005 ( truct S.R. 2 Fund 581 581	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0	5 ement resurfs t to Corey Str Street to Cor n Years (\$000) 2021 \$ 0 \$ 75	acing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0	rehabilitation eld Borough Mansfield Bo 2nd 4 Years \$ 0 \$ 0	rough, Tioga 3rd 4 Years \$ ( \$ (	a County.
Tit Improvement Typ Est. Let Dat Geographic Limi	le:Main St e:Reconst te:01/11/20 ts:State Ro re:Reconst Phase PE FD UTL	ruct 024 bute 2005 ( truct S.R. 2 <b>Fund</b> 581 581 581	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0 \$ 0 \$ 0	5 ement resurfa t to Corey Stri Street to Cor n Years (\$000) 2021 \$ 0 \$ 75 \$ 0	acing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0 \$ 100	rehabilitation ield Borough Mansfield Bo 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	rough, Tioga 3rd 4 Years \$ ( \$ ( \$ ( \$ (	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	e:Main St e:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE FD UTL CON	ruct 024 oute 2005 ( rruct S.R. 2 Fund 581 581 581 581 STP	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0	5 ement resurfa t to Corey Stri Street to Cor n Years (\$000) 2021 \$ 0 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0	acing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0 \$ 100 \$ 0	rehabilitation deld Borough Mansfield Bo 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 591	rough, Tioga 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ (	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	e:Main St e:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE FD UTL CON	ruct 024 bute 2005 ( truct S.R. 2 Fund 581 581 581 581 STP 581	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	5 ement resurfa <u>street to Cor</u> n Years (\$000) 2021 \$ 0 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	sacing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0 \$ 0 \$ 100 \$ 0 \$ 0 \$ 0	rehabilitation Ansfield Bo 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 591 \$ 3,909	rough, Tioga 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	e:Main St e:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE FD UTL CON	ruct 024 bute 2005 ( truct S.R. 2 Fund 581 581 581 581 STP 581	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	5 ement resurfa <u>street to Cor</u> n Years (\$000) 2021 \$ 0 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	sacing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0 \$ 0 \$ 100 \$ 0 \$ 0 \$ 0	rehabilitation Ansfield Bo 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 591 \$ 3,909	rough, Tioga 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	e:Main St e:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE FD UTL CON	ruct 024 bute 2005 ( truct S.R. 2 Fund 581 581 581 581 STP 581	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	5 ement resurfa <u>street to Cor</u> n Years (\$000) 2021 \$ 0 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	sacing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0 \$ 0 \$ 100 \$ 0 \$ 0 \$ 0	rehabilitation Ansfield Bo 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 591 \$ 3,909	rough, Tioga 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	a County.
MPMS Tit Improvement Typ Est. Let Dat Geographic Limi	e:Main St e:Reconst te:01/11/20 ts:State Rc re:Reconst Phase PE FD UTL CON	ruct 024 bute 2005 ( truct S.R. 2 Fund 581 581 581 581 STP 581	St Exe Actual (Main Street) fr 2005 (Main Street) 2019 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Route:200. mpt Code:Pave I Let Date: om Main Street om Main Street eet) from Main TIP Program 2020 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	5 ement resurfa <u>street to Cor</u> n Years (\$000) 2021 \$ 0 \$ 75 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 75	sacing and/or reet , Mansfi ey Street in 2022 \$ 0 \$ 0 \$ 0 \$ 100 \$ 0 \$ 0 \$ 0	rehabilitation Ansfield Bo 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 591 \$ 3,909	rough, Tioga 3rd 4 Years \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ ( \$ (	a County.

Tio	oga							Current Date	. 5/21/10
.01292	8								
MPMS	<b>#:</b> 101292		Mu	unicipality:Ch	arleston (Twp	p)			
Tit	le:US6 &			Route:6		S	Section:134	A/Q S	Status:Exemp
Improvement Typ	Intersec		vomont Eve	mat CodorSo	fater improver	n ant nra aran	•		
Est. Let Da		-		empt Code:Sa ll Let Date:	iety improver	nent program	1		
Geographic Limi					tersection, Cl	harleston To	wnship		
			nment at US 6,				-	Township, Tio	ga County
				TIP Progr	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	HSIP	\$ 250	\$ 250	\$ 0	\$ 0	\$ 0	\$ 0	
	FD	HSIP	\$ 0	\$ 92	\$ 179	\$ 0	\$ 0	\$ 0	
	UTL	HSIP	\$ 0	\$ 0	\$ 150	\$ 0	\$ 0	\$ 0	
	ROW	HSIP	\$ 0	\$ 0	\$ 150	\$ 0	\$ 0	\$ O	
	CON	HSIP	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,558	\$ 0	
	CON	NHPP	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,042	\$ 0	
	CON	STP	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400	\$ O	
			\$ 250	\$ 342	\$ 479	\$ 0	\$ 3,000	\$ O	
			Total FY 2019	-2022 Cost \$	1,071				
01005									
01335 MPMS	#:101335		М	unicipality:Ti	oga (Twn)				
		ne Center t		Route:15		S	Section:186	A/Q S	Status:Exempt
	Line								
Improvement Typ				empt Code:Pa	vement resurf	acing and/or	rehabilitation	l	
Est. Let Da				l Let Date:		Line Tiere	and Lawrence	Toursching on	d Loursenoorill
Geographic Limi	Boroug		from welcom	e Center to Ne	w YOIK State	Line Tioga a	and Lawrence	Townships an	
Narrativ			Southbound an	nd Northbound	from Welcon	me Center to	New York St	ate Line in Tic	ga and Lawrer
			wrenceville Bo						0
				TIP Progra	am Years (\$000)	1			
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	FD	581	\$ 0	\$ 0	\$ 25	\$ 0	\$ 0	\$ 0	
	CON	NHPP	\$ 0	\$ 0	\$ 0	\$ 2,366	\$ 690	\$ 0	
	CON	STP	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,354	\$ 0	
			\$ 0	\$ 0	\$ 25	\$ 2,366	\$ 2,044	\$ 0	
			Total FY 2019	-2022 Cost \$	2,391				

Ti	oga								
.02014									
	S #:102014			nicipality:We	ellsboro (Borc	·		. /	
II Improvement Ty		Morris Bra Rehabilitat		Route:6 mpt Code:Wie	den naruv nav		Section:066		Q Status:Exempt
Est. Let Da				l Let Date:	den narw. pav		01025 (110 000	ni ianes)	
Geographic Lim			Branch, Wellsb	oro Borough					
Narrati	ve:Bridge	rehabilitati	on on US Rout	e 6 over Morris	s Branch in W	Vellsboro Bo	orough, Tioga	County.	
				TIP Progra	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	NHPP	\$ 1,029	\$ 350	\$ 0	\$ 0	\$ 0		5.0
	CON	STP	\$ 249	\$ 0	\$ 0	\$ 0	\$ 0	\$	5.0
			\$ 1,278	\$ 350	\$ 0	\$ 0	\$ 0	\$	5.0
		r	Fotal FY 2019	-2022 Cost \$ 1	1,628				
MPM5 Ti Improvement Ty	pe:Bridge		okedCrk nt Exe	nicipality:Mic Route:402 mpt Code:Wic	27	,	Section:005 brdgs (No add		<b>Q Status:</b> Exempt
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge nte:01/21/2 its:SR 402	Replaceme 021 7 (Cummin replacemer	vkedCrk nt Exe Actua 1gs Creek Road	Route:402 mpt Code:Wio l Let Date: ) over Tributar (Cummings C	27 den narw. pav ry to Crooked reek Road) o	ve. or recon Creek, Mid ver Tributar	brdgs (No add dlebury Towr	ltl lanes) nship	<b>Q Status:</b> Exempt
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge 1 nte:01/21/2 its:SR 402 ve:Bridge	Replaceme 021 7 (Cummin replacemer	vkedCrk nt Exe Actua 1gs Creek Road	Route:402 mpt Code:Wio l Let Date: ) over Tributar (Cummings C	27 den narw. pav ry to Crooked	ve. or recon Creek, Mid ver Tributar	brdgs (No add dlebury Towr	ltl lanes) nship	iddlebury Townsh
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge 3 nte:01/21/2 its:SR 402 ve:Bridge Tioga C	Replaceme 021 7 <u>(Cummin</u> replacemer County.	okedCrk nt Exe Actua Igs Creek Road It on S.R. 4027	Route:402 mpt Code:Wie l Let Date: ) over Tributar (Cummings C TIP Progra	27 den narw. pay ry to Crooked (reek Road) o m Years (\$000)	ve. or recon Creek, Mid ver Tributar	brdgs (No add dlebury Towr y to Crooked	ltl lanes) hship Creek in M 3rd 4 Years	iddlebury Townsh
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge 1 nte:01/21/2 its:SR 402 ve:Bridge Tioga C Phase	Replaceme 021 7 (Cummin replacemer County. Fund	okedCrk nt Exe Actua ogs Creek Road nt on S.R. 4027 2019	Route:402 mpt Code:Wio I Let Date: ) over Tributar (Cummings C TIP Progra 2020	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021	ve. or recon Creek, Mid ver Tributar	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years	ltl lanes) nship Creek in M 3rd 4 Years \$	iddlebury Townsh
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge 1 ite:01/21/2 its:SR 402 ve:Bridge Tioga C Phase FD	Replaceme 021 7 <u>(Cummin</u> replacemer County. <b>Fund</b> 185	okedCrk nt Exe Actua gs Creek Road tt on S.R. 4027 2019 \$ 10	Route:402 mpt Code:Wie l Let Date: ) over Tributar (Cummings C TIP Progra 2020 \$ 0	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021 \$ 0	ve. or recon Creek, Mid ver Tributar 2022 \$ 0	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years \$ 0	ltl lanes) nship Creek in M 3rd 4 Years \$ \$	iddlebury Townsh
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge ite:01/21/2 its:SR 402 ve:Bridge Tioga C Phase FD UTL	Replaceme 021 7 (Cummin replacemer County. Fund 185 185	okedCrk nt Exe Actua ogs Creek Road nt on S.R. 4027 2019 \$ 10 \$ 0	Route:402 mpt Code:Wid I Let Date: ) over Tributar (Cummings C TIP Progra 2020 \$ 0 \$ 20	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021 \$ 0 \$ 0 \$ 0	ve. or recon <u>Creek, Mid</u> ver Tributar 2022 \$ 0 \$ 0	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years \$ 0 \$ 0	ltl lanes) nship Creek in M 3rd 4 Years \$ \$ \$	iddlebury Townsh
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge ite:01/21/2 its:SR 402 ve:Bridge Tioga C Phase FD UTL ROW	Replaceme 021 7 (Cummin replacemer County. Fund 185 185 185	okedCrk nt Exe Actua gs Creek Road nt on S.R. 4027 2019 \$ 10 \$ 0 \$ 20	Route:402 mpt Code:Wio l Let Date: ) over Tributar (Cummings C TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 0	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0	2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0	Itl lanes) nship Creek in M 3rd 4 Years \$ \$ \$ \$ \$	iddlebury Townsh s 5 0 5 0 5 0
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge ite:01/21/2 its:SR 402 ve:Bridge Tioga C Phase FD UTL ROW	Replaceme 021 7 (Cummin replacemer County. Fund 185 185 185 185	okedCrk nt Exe Actua ogs Creek Road nt on S.R. 4027 2019 \$ 10 \$ 0 \$ 20 \$ 20 \$ 0 \$ 20 \$ 0 \$ 30	Route:402 mpt Code:Wid I Let Date: ) over Tributar (Cummings C TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 50 \$ 50 \$ 70	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 100 \$ 100	2022 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Itl lanes) nship Creek in M 3rd 4 Years \$ \$ \$ \$ \$	iddlebury Townsh s 5 0 5 0 5 0 5 0
Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge ite:01/21/2 its:SR 402 ve:Bridge Tioga C Phase FD UTL ROW	Replaceme 021 7 (Cummin replacemer County. Fund 185 185 185 185	okedCrk nt Exe Actua ags Creek Road at on S.R. 4027 2019 \$ 10 \$ 0 \$ 20 \$ 20 \$ 0	Route:402 mpt Code:Wid I Let Date: ) over Tributar (Cummings C TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 50 \$ 50 \$ 70	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 100 \$ 100	2022 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Itl lanes) nship Creek in M 3rd 4 Years \$ \$ \$ \$ \$	iddlebury Townsh s 5 0 5 0 5 0 5 0
MPMS Ti Improvement Ty Est. Let Da Geographic Lim	tle:SR4027 pe:Bridge ite:01/21/2 its:SR 402 ve:Bridge Tioga C Phase FD UTL ROW	Replaceme 021 7 (Cummin replacemer County. Fund 185 185 185 185	okedCrk nt Exe Actua ogs Creek Road nt on S.R. 4027 2019 \$ 10 \$ 0 \$ 20 \$ 20 \$ 0 \$ 20 \$ 0 \$ 30	Route:402 mpt Code:Wid I Let Date: ) over Tributar (Cummings C TIP Progra 2020 \$ 0 \$ 20 \$ 0 \$ 20 \$ 0 \$ 50 \$ 50 \$ 70	27 den narw. pav ry to Crooked reek Road) o m Years (\$000) 2021 \$ 0 \$ 0 \$ 0 \$ 0 \$ 100 \$ 100	2022 2022 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	brdgs (No add dlebury Towr y to Crooked 2nd 4 Years \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0	Itl lanes) nship Creek in M 3rd 4 Years \$ \$ \$ \$ \$	iddlebury Townsh s 5 0 5 0 5 0 5 0

Tio	<u></u>							Current Date	e: 5/21/18
	ga								
	#:104093		Mu	nicipality:Co	vington (Twp	)			
Title	e:T-706 d	ov Marvin	Crk	Route:		Ś	Section:RBR	A/Q	Status:Exempt
Improvement Type	e:Bridge l	Replaceme	ent Exe	mpt Code:Wi	den narw. pav	ve. or recon l	ordgs (No add	ltl lanes)	
Est. Let Date				Let Date:					
Geographic Limit	-			-	-				
Narrativ	e:Bridge i	replaceme	nt on T-706 (Pa			k in Covingt	on Township,	Tioga Count	у.
	Dhave	Ed	2019	0	um Years (\$000) 2021	2022	2 d 4 V	2	
	Phase	Fund		2020 ©	\$ 0	\$ 0	2nd 4 Years \$ 0	3rd 4 Years	
	CON	183	\$ 287	\$ 0 \$ 0				\$ 0 \$ 0	
	CON	LOC	\$ 72	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
			\$ 359	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
			Total FY 2019	-2022 Cost \$	359				
104651									
MPMS #	# <b>:</b> 104651		Mu	nicipality:Br	ookfield (Twp	)			
Title		Brookfield	Twp	Route:		S	Section:RBR	A/Q	Status:Exempt
	RBR							L11 \	
Improvement Type Est. Let Date	-	-		mpt Code:Wi l Let Date:	den narw. pav	e. or recon l	ordgs (No add	Itl lanes)	
Geographic Limit					sque River B	rookfield To	wnshin		
• •			nt on T-723 (Sc		•		*	rookfield Tov	vnship. Tioga
	County.					1			r, -8-
				TIP Progra	am Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	183	\$ 40	\$ 360	\$ 0	\$ 0	\$ 0	\$ 0	
	CON	LOC	\$ 10	\$ 90	\$ 0	\$ 0	\$ 0	\$ 0	
			\$ 50	\$ 450	<b>\$</b> 0	<b>\$</b> 0	\$ 0	\$ 0	
			Total FY 2019	-2022 Cost \$	500				
105066									

Draft

105066

FFY 2019 Northe	rn Tiei	r TIP	Highway &	Bridge					Draf
								Current Date	: 5/21/18
Tioga	ı								
05066									
MPMS #:	105066		Mu	nicipality:Del	mar (Twp)				
		Creek Gree	2	Route:			Section:MCG	A/Q	Status:Exempt
Improvement Type:			Exe	mpt Code:Bic	ycle and pede	estrian facili	ties		
	Enhance								
Est. Let Date:				Let Date:	11.1' OD (	1 00 00 5	D' ( 1 D	1 m 11 1 1	<b>—</b>
Geographic Limits:				-	-				
Narrative:	The Pin	e Creek Ra	ail Trail Northe			tion in Wells	sboro Boroug	h and Delmar	Township
				_	m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	PE	CAQ	\$ 460	\$ 472	\$ 0	\$ 0	\$ 0	\$ 0	
	CON	PRIV	\$ O	\$ 0	\$ 0	\$ 0	\$ 0	\$ 7,000	
			\$ 460	\$ 472	\$ 0	\$ 0	\$ 0	\$ 7,000	
			Total FY 2019-	-2022 Cost \$ 9	32				
06164									
MPMS #:				nicipality:Blo					
	-	Rd to SR 2		Route:202			Section:020		Status:Exempt
Improvement Type:				mpt Code:Pav	ement resurf	acing and/or	rehabilitatior	1	
Est. Let Date:				Let Date:					1.51
Geographic Limits:						th of the Lib	erty Townshi	p Line , Liber	y and Bloss
		1 0	County, 0020/02					11 / TD	
					n SR 2016 (A	rnot Rd) to	South of the I	Liberty Towns	hip Line in Liberty
Г	and Blo	ss Townsn	iip, Tioga Coun	•	<b>X</b> (0000)				
	ы	E I	2010	U	m Years (\$000)	2022	2 1 4 37	2.14.3	
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	CON	581	\$ 430	\$ 0	\$ 0	\$ 0	\$ 0		
			\$ 430	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	
			Total FY 2019-	2022 Cost \$ 4	30				

106234

	Tioga							Current Date	
06234		-							
M	<b>PMS #:</b> 106234			nicipality:Cha					
	Title:SR249 of	ov Trib. Cr	ooked	Route:249	)		Section:027	A/Q	Status:Exempt
Improvemen	Crk It Type:Bridge I	Penlaceme	nt Eve	mpt Code:Wi	den narw nav	ve or recon	brdgs (No add	It lanes)	
-	et Date:01/18/20	-		l Let Date:	den nårw. påv		orugs (ivo auc	tti tatics)	
	Limits:SR249 c				nship				
Nai	rrative:Bridge 1	eplaceme	nt on SR 249 ov	ver Tributary C	rooked Creel	c in Chathan	n Township, T	ioga County.	
					m Years (\$000)				
	Phase	Fund	2019	2020	2021	2022	2nd 4 Years	3rd 4 Years	
	FD	185	\$ 0	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	
	UTL	185	\$ 0	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	
	ROW	185	\$ 0	\$ 0	\$ 20	\$ 0	\$ 0	\$ 0	
	CON	185	\$ 0	\$ 0	\$ 0	\$ 250	\$ 250	\$ 0	
			\$ 0	\$ 0	\$ 60	\$ 250	\$ 250	\$ 0	
			Total FY 2019	-2022 Cost \$ 3	310				
	PMS #:106235	NA WANTI		nicipality:Uni			Santian 064		Status
M	Title:SR414 o		Creek	Route:414	Ļ		Section:064		Status:Exempt
MI Improvemen		Replaceme	Creek nt Exe		Ļ				Status:Exempt
MI Improvemen Est. Le Geographic I	Title:SR414 c at Type:Bridge I et Date:01/18/20 Limits:SR414 c	Replaceme 024 over West	Creek nt Exe Actua Mill Creek, Un	Route:414 mpt Code:Wie l Let Date: ion Township	l den narw. pav	ve. or recon			Status:Exempt
MI Improvemen Est. Le Geographic I	Title:SR414 o at Type:Bridge F et Date:01/18/20	Replaceme 024 over West	Creek nt Exe Actua Mill Creek, Un	Route:414 mpt Code:Wie I Let Date: ion Township er West Mill C	den narw. pav Sreek in Union	ve. or recon			Status:Exempt
MI Improvemen Est. Le Geographic I	Title:SR414 of at Type:Bridge H et Date:01/18/20 Limits:SR414 of rrative:Bridge H	Replaceme 024 over West replacemen	Creek nt Exe Actua Mill Creek, Un nt on SR414 ov	Route:414 mpt Code:Wid I Let Date: ion Township er West Mill C TIP Progra	den narw. pav Greek in Union m Years (\$000)	re. or recon	brdgs (No add	Itl lanes)	Status:Exempt
MI Improvemen Est. Le Geographic I	Title:SR414 of at Type:Bridge H et Date:01/18/20 Limits:SR414 of rrative:Bridge H Phase	Replaceme 024 <u>over West</u> replacemen Fund	Creek nt Exe Actua Mill Creek, Un nt on SR414 ov 2019	Route:414 mpt Code:Wie I Let Date: ion Township er West Mill C TIP Progra 2020	den narw. pav Greek in Union m Years (\$000) 2021	n Township 2022	brdgs (No add 2nd 4 Years	ltl lanes) 3rd 4 Years	Status:Exempt
MI Improvemen Est. Le Geographic I	Title:SR414 of at Type:Bridge H et Date:01/18/20 Limits:SR414 of rrative:Bridge H Phase PE	Replaceme 024 over West replacemen Fund 185	Creek nt Exe Actua Mill Creek, Un nt on SR414 ov 2019 \$ 0	Route:414 mpt Code:Wid I Let Date: ion Township er West Mill C TIP Progra 2020 \$ 0	den narw. pav Greek in Union m Years (\$000) 2021 \$ 50	2022 \$ 0	brdgs (No add 2nd 4 Years \$ 0	ltl lanes) 3rd 4 Years \$ 0	Status:Exempt
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## Air Quality Conformity Analysis Report

Northern Tier RPO 2019-2022 TIP and Long Range Transportation Plan

National Ambient Air Quality Standards (NAAQS) Addressed:

- Tioga County 1997 8-Hour Ozone (Maintenance)

**Prepared By:** 

Northern Tier RPO And Pennsylvania Department of Transportation

Public Review:June 4 – July 3, 2018MPO Approval:August 13, 2018

May 2018 (DRAFT)

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#### **Summary of Attachments**

Attachment A: Project List Attachment B: Detailed Emission Results Attachment C: Sample MOVES Input Files

## **Overview**

This report provides an analysis of the air quality implications of the Northern Tier Regional Planning and Development Commission (Northern Tier RPO) 2019-2022 Transportation Improvement Program (TIP) and Long Range Transportation Plan (LRTP) for Tioga County only. The conformity determination for Wyoming County is provided in a separate conformity document. The analysis demonstrates transportation conformity under the 1997 8-hour ozone National Ambient Air Quality Standard (NAAQS). The air quality conformity analysis reflects an assessment of the regionally significant, non-exempt transportation projects included in the TIP and LRTP.

This document ensures that the findings meet all current criteria established by the U.S. Environmental Protection Agency (EPA) for the applicable NAAQS. A conformity determination has been completed to provide a regional forecast of emissions based on planned air quality significant projects and the latest available planning assumptions.

#### **Background on Transportation Conformity**

Transportation conformity is a way to ensure that federal funding and approval are awarded to transportation activities that are consistent with air quality goals. Under the Clean Air Act (CAA), transportation and air quality modeling procedures must be coordinated to ensure that the TIP and the LRTP are consistent with the area's applicable State Implementation Plan (SIP). The SIP is a federally approved and enforceable plan by which each area identifies how it will attain and/or maintain the health-related primary and welfare-related secondary NAAQS.

In order to receive transportation funding and approvals from the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA), state and local transportation agencies must demonstrate that the plans, programs, or projects meet the transportation conformity requirements of the CAA as set forth in the transportation conformity rule. Under the transportation conformity rule, transportation plans are expected to conform to the applicable SIP in nonattainment or maintenance areas. The integration of transportation and air quality planning is intended to ensure that transportation plans, programs, and projects will not:

- Cause or contribute to any new violation of any applicable NAAQS.
- Increase the frequency or severity of any existing violation of any applicable NAAQS.
- Delay timely attainment of any applicable NAAQS, any required interim emissions reductions, or other NAAQS milestones.

The transportation conformity determination includes an assessment of future highway emissions for defined analysis years. Emissions are estimated using the latest available planning assumptions and available analytical tools, including EPA's latest approved on-highway mobile sources emissions model, the Motor Vehicle Emission Simulator (MOVES). The conformity determination provides a tabulation of the analysis results for applicable precursor pollutants, showing that the required conformity test was met for each analysis year.

#### **Report Contents**

This document includes a summary of the methodology and data assumptions used for the conformity analysis. As shown in **Exhibit 1**, attachments containing additional detail have been provided with the document. In addition, modeling input and output files have been reviewed by EPA Region III and the Pennsylvania Department of Environmental Protection (DEP).

Attachment	Title	Description
A	Project List	Provides a list of regionally significant highway projects for the TIP and LRTP.
В	Detailed Emission Results	Provides a detailed summary of emissions by roadway type.
с	MOVES Sample Run Specification	Provides example MOVES data importer (XML) and run specification (MRS) files.

#### **EXHIBIT 1: SUMMARY OF ATTACHMENTS**

## National Ambient Air Quality Standard Designations

The CAA requires the EPA to set NAAQS for pollutants considered harmful to public health and the environment. A nonattainment area is any area that does not meet the primary or secondary NAAQS. Once a nonattainment area meets the standards and additional redesignation requirements in the CAA [Section 107(d)(3)(E)], EPA will designate the area as a maintenance area.

Tioga County is currently designated as part of the *Tioga Co, PA* maintenance area under the 1997 8-hour ozone NAAQS. The region is in attainment of the 2008 8-hour ozone, 2006 24-hour PM<sub>2.5</sub> and 2012 annual PM<sub>2.5</sub> NAAQS. Transportation conformity requires nonattainment and maintenance areas to demonstrate that all future transportation projects will not prevent an area from reaching its air quality attainment goals.

Ozone is formed by chemical reactions occurring under specific atmospheric conditions. Precursor pollutants that contribute to the formation of ozone include volatile organic compounds (VOC) and oxides of nitrogen (NO<sub>X</sub>), both of which are components of vehicle exhaust. VOCs may also be produced through the evaporation of vehicle fuel, as well as by displacement of vapors in the gas tank during refueling. By controlling VOC and NO<sub>X</sub> emissions, ozone formation can be mitigated. Both precursor pollutants are analyzed in the transportation conformity process.

#### 1997 and 2008 8-hour Ozone NAAQS

The EPA published the 1997 8-hour ozone NAAQS on July 18, 1997, (62 FR 38856) with an effective date of September 16, 1997. An area was in nonattainment of the 1997 8-hour ozone NAAQS if the 3-year average of the individual fourth highest air quality monitor readings, averaged over 8 hours throughout the day, exceeded the NAAQS of 0.08 parts per million (ppm). On May 21, 2013, the EPA published a rule

revoking the 1997 8-hour ozone NAAQS, for the purposes of transportation conformity, effective one year after the effective date of the 2008 8-hour ozone NAAQS area designations (77 FR 30160).

The EPA published the 2008 8-hour ozone NAAQS on March 27, 2008 (73 FR 16436), with an effective date of May 27, 2008. EPA revised the ozone NAAQS by strengthening the standard to 0.075 ppm. Thus, an area is in nonattainment of the 2008 8-hour ozone NAAQS if the 3-year average of the individual fourth highest air quality monitor readings, averaged over 8 hours throughout the day, exceeds the NAAQS of 0.075 ppm. Tioga County was designated as an attainment area under the 2008 8-hour ozone NAAQS, effective July 20, 2012 (77 FR 30088).

On February 16, 2018 the D.C. Circuit reached a decision in *South Coast Air Quality Management District v. EPA*, Case No. 15-1115. In that decision, the court vacated major portions of the final rule that established procedures for transitioning from the 1997 ozone NAAQS to the stricter 2008 ozone NAAQS. While the implications of this ruling are being decided, this conformity determination addresses transportation conformity to the 1997 8-hour ozone NAAQS.

#### 2015 8-hour Ozone NAAQS

In October 2015, based on its review of the air quality criteria for ozone and related photochemical oxidants, the EPA revised the primary and secondary NAAQS for ozone to provide requisite protection of public health and welfare, respectively (80 FR 65292). The EPA revised the levels of both standards to 0.070 ppm, and retained their indicators, forms (fourth-highest daily maximum, averaged across three consecutive years) and averaging times (eight hours). Under the Clean Air Act, the EPA administrator is required to make all attainment designations within two years after a final rule revising the NAAQS is published. However, the deadline for EPA to issue designations for the 2015 NAAQS for ozone passed on October 1, 2017. Once designations are final, transportation conformity would be required within 12 months for any areas designated nonattainment under the standard. Tioga County is expected to be in attainment of the 2015 8-hour ozone NAAQS.

### **Interagency Consultation**

As required by the federal transportation conformity rule, the conformity process includes a significant level of cooperative interaction among federal, state, and local agencies. For this air quality conformity analysis, interagency consultation was conducted as required by the Pennsylvania Conformity SIP. This included conference call(s) or meeting(s) of the Pennsylvania Transportation-Air Quality Work Group (including the Pennsylvania Department of Transportation (PennDOT), DEP, EPA, FHWA, FTA and representatives from larger MPOs within the state).

Meeting and conference calls were conducted on October 4, 2017; January 25, 2018 and April 11, 2018 to review all input planning assumptions, methodologies and analysis years.

## **Analysis Methodology and Data**

This transportation conformity analysis was conducted using EPA's MOVES model. MOVES is an upgrade to EPA's modeling tools and replaces MOBILE6.2 as the official model for estimating emissions from highway vehicles for SIP emission inventories and transportation conformity (75 FR 9411), effective March 2, 2010. MOVES2014a has been used for this conformity determination and is the latest approved model version for SIP and transportation conformity purposes (79 FR 60343).

Planning assumptions are updated following EPA and FHWA joint guidance (EPA420-B-08-901) that clarifies the implementation of the latest planning assumption requirements in 40 CFR 92.110. This analysis utilizes the latest available traffic, vehicle fleet and environmental data to estimate regional highway emissions. Pennsylvania updates state-level planning assumptions on a 3-year cycle and this information is integrated into the conformity analyses. The analysis methodology and data inputs for this analysis were developed through interagency consultation and used available EPA guidance documents that included:

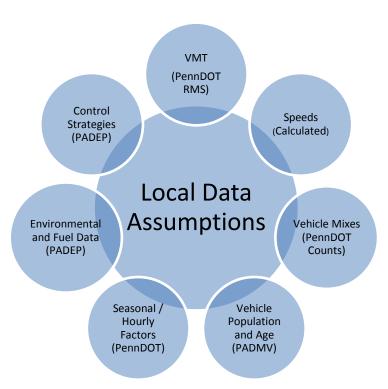
- Policy Guidance on the Use of MOVES2014 for State Implementation Plan Development, Transportation Conformity, and Other Purposes, US EPA Office of Air and Radiation, EPA-420-B-14-008, July 2014.
- MOVES2014 and MOVES2014a Technical Guidance: Using MOVES to Prepare Emission Inventories in State Implementation Plans and Transportation Conformity. US EPA Office of Air and Radiation, and Office of Transportation and Air Quality, EPA-420-B-15-093, November 2015.
- *MOVES2014a User Guide*, US EPA Office of Transportation and Air Quality, EPA-420-B-15-095, November 2015.

A mix of local and national default (internal to MOVES) data is used in the analysis. As illustrated in **Exhibit 2**, local data has been used for data items that have a significant impact on emissions, including: vehicle miles of travel (VMT), vehicle population, congested speeds, and vehicle type mix, as well as environmental and fuel assumptions. Local data inputs to the analysis process reflect the latest available planning assumptions using information obtained from PennDOT, DEP and other local/national sources.

The methodology used for this analysis is consistent with the methodology used to develop SIP inventories. This includes the use of the traffic data from PennDOT's Roadway Management System (RMS) and custom post-processing software (PPSUITE) to calculate hourly speeds and prepare key traffic input files to the MOVES emission model.

PPSUITE consists of a set of programs that perform the following functions:

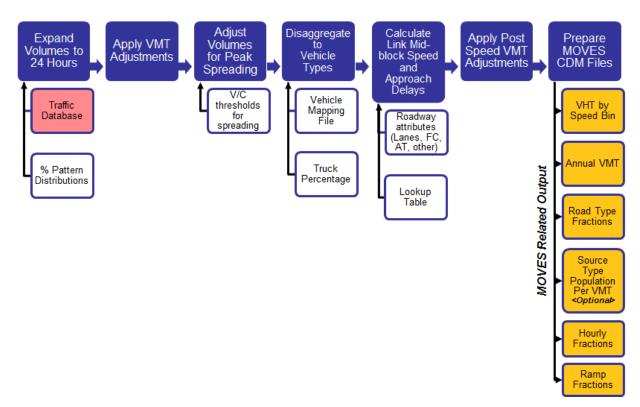
- Analyzes highway operating conditions.
- Calculates highway speeds.
- Compiles VMT and vehicle type mix data.
- Prepares MOVES runs and processes MOVES outputs.



### EXHIBIT 2: LOCAL DATA INPUTS USED FOR CONFORMITY RUNS

PPSUITE is a widely used and accepted tool for estimating speeds and processing emissions rates. The PPSUITE tool has been used for developing on-highway mobile source inventories in SIP revisions, control strategy analyses, and conformity analyses in other states. The software was developed to utilize accepted transportation engineering methodologies. The PPSUITE process is integral to producing traffic-related input files to the MOVES emission model. **Exhibit 3** summarizes the key functions of PPSUITE within the emission calculation process. Other MOVES input files are prepared externally to the PPSUITE software, including vehicle population, vehicle age, environmental and fuel input files.

The CENTRAL software is also used in this analysis. CENTRAL is a menu-driven software platform that executes the PPSUITE and MOVES processes in batch mode. The CENTRAL software allows users to execute runs for a variety of input options and integrates custom MySQL steps into the process. CENTRAL provides important quality control and assurance steps, including file naming and storage automation.



#### **EXHIBIT 3: EMISSION CALCULATION PROCESS**

## **Key MOVES Input Data**

A large number of inputs to MOVES are needed to fully account for the numerous vehicle and environmental parameters that affect emissions. These inputs include traffic flow characteristics, vehicle descriptions, fuel parameters, I/M program parameters and environmental variables. MOVES includes a default national database of meteorology, vehicle fleet, vehicle activity, fuel and emission control program data for every county; EPA, however, cannot certify that the default data is the most current or best available information for any specific area. As a result, local data, where available, is recommended for use when conducting a regional conformity analysis. A mix of local and default data is used for this analysis. These data items are discussed in the following sections.

#### **Roadway Data**

The roadway data inputs to emissions calculations for this conformity analysis are based on information from the RMS database maintained by PennDOT's Bureau of Planning and Research (BPR). PennDOT obtains this information from periodic visual and electronic traffic counts. RMS data is dynamic, since it is continually reviewed and updated from new traffic counts and field visits conducted by PennDOT. Information on roadways included in the USDOT National Highway System is reviewed, at minimum, on an annual basis, while information on other roadways is reviewed at least biennially. On a triennial basis,

a current "snapshot" of the RMS database is taken and downloaded to provide an updated record of the Commonwealth's highway system for estimating emissions. The RMS database contains all state highways, including the Pennsylvania Turnpike, divided into segments approximately 0.5 miles in length. These segments are usually divided at important intersections or locations where there is a change in the physical characteristics of the roadway (e.g. the number of lanes changes). There are approximately 82,000 state highway segments across all 67 Pennsylvania counties. The following information is extracted from RMS for emission calculations:

- Lanes.
- Distances.
- Volumes representing Average Annual Daily Traffic (AADT).
- Truck percentages.
- PennDOT urban/rural classifications.
- PennDOT functional class codes.
- Number of signals (based on linkage to PennDOT's Geographic Information System (GIS) signal location data).

RMS volumes and distances are used in calculating highway VMT totals for each county. As discussed in the next section, adjustments are needed to convert the volumes to an average summer weekday, winter weekday, and monthly day (including weekends and weekdays), as applicable to the pollutant/precursor being analyzed. In addition, the traffic volumes must be forecast to support future years. Lane values and traffic signals are important inputs for determining the congestion and speeds for individual highway segments. Truck percentages are used in the speed determination process in order to split volumes to individual vehicle types used by MOVES software. Road segments are classified not only by function, but also by whether it is located in an urban, small urban or rural area. The PennDOT urban/rural (UR) and functional classes (FC) designations are important indicators of the type and function of each roadway segment. These variables provide valuable insights into other characteristics not contained in the RMS data, which are used for speed and emission calculations.

VMT forecast growth rates are based on PennDOT's VMT forecasting system, as documented in the report "Statistical Evaluation of Projected Traffic Growth, Traffic Growth Forecasting System: Final Report, March 14, 2005". The PennDOT forecasting system includes the development of VMT forecasts and growth rates for four functional classifications in each Pennsylvania county: urban interstate, urban non-interstate, rural interstate, and rural non-interstate. The forecasts use statistical relationships based on historic Highway Performance Monitoring System (HPMS) VMT trends and future county socioeconomic Economics, projections based on the 2014 Woods and Poole Inc. State Profile (http://www.woodsandpoole.com/). The statistical models incorporate historical VMT trends, socioeconomic data (households, mean household income), and a relative measure of transportation capacity (lane miles per capita). PennDOT's BPR maintains and updates these growth rates on a periodic basis based on new demographic projections and updated information on HPMS VMT. The results of the updated VMT forecasts have been shared with the participants in the Pennsylvania Transportation-Air Quality Working Group.

## **Other Supporting Traffic Data**

Other traffic data is used to adjust and disaggregate traffic volumes. Key sources used in these processes include the following:

- Highway Performance Monitoring System (HPMS VMT): According to EPA guidance, baseline inventory VMT computed from the RMS must be adjusted to be consistent with HPMS VMT totals. The VMT contained in the HPMS reports are considered to represent average annual daily traffic (AADT), an average of all days in the year, including weekends and holidays. Adjustment factors are used to adjust roadway data VMT to be consistent with the reported HPMS totals, and are applied to all county and facility group combinations within the region. These adjustments are important to account for local roadway VMT not represented within the RMS.
- Seasonal Factors: The traffic volumes estimated from the RMS are adjusted to summer or average monthly conditions (as needed for annual processing), using seasonal adjustment factors prepared by PennDOT's BPR in their annual traffic data report published on the BPR website (<u>http://www.dot.state.pa.us/</u> Search: Research and Planning). The seasonal factors are also used to develop MOVES daily and monthly VMT fraction files, allowing MOVES to determine the portion of annual VMT that occurs in each month of the year.
- *Hourly Patterns*: Speeds and emissions vary considerably depending on the time of day. In order to produce accurate emission estimates, it is important to estimate the pattern by which roadway volume varies by breaking the data down into hourly increments. Pattern data is in the form of a percentage of the daily volumes for each hour. Distributions are provided for all the counties within the region and by each facility type grouping. The hourly pattern data has been developed from 24-hour vehicle count data compiled by PennDOT's BPR, using the process identified in PennDOT's annual traffic data report. The same factors are also used to develop the MOVES hourly fraction file.

## Vehicle Class

Emission rates within MOVES also vary significantly by vehicle type. MOVES produces emission rates for thirteen MOVES vehicle source input types. VMT, however, is input to MOVES by six HPMS vehicle groups (note that passenger cars and light trucks are grouped for input to MOVES2014). **Exhibit 4** summarizes the distinction between each classification scheme.

SOURCE TYPES		HPMS Class Grou	i <u>ps</u>
11	Motorcycle	10	Motorcycle
21	Passenger Car	25	Passenger Car
31	Passenger Truck	25	Passenger/Light Truck
32	Light Commercial Truck	40	Buses
41	Intercity Bus	50	Single Unit Trucks
42	Transit Bus	60	Combination Trucks
43	School bus		
51	Refuse Truck		
52	Single Unit Short-haul Truck		
53	Single Unit Long-haul Truck		
54	Motor Home		
61	Combination Short-haul Truck		
62	Combination Long-haul Truck		

#### EXHIBIT 4: MOVES SOURCE TYPES AND HPMS VEHICLE GROUPS

The emissions estimation process includes a method to disaggregate the traffic volumes to the thirteen source types and then to recombine the estimates to the six HPMS vehicle classes. Vehicle type pattern data is used by PPSUITE to distribute the hourly roadway segment volumes among the thirteen MOVES source types. Similar to the 24-hour pattern data, this data contains percentage splits to each source type for every hour of the day. The vehicle type pattern data is developed from several sources of information:

- PennDOT truck percentages from the RMS database.
- Hourly distributions for trucks and total traffic compiled by PennDOT's BPR.
- Transit data from PennDOT and the National Transit Database Transit Profiles (<u>https://www.ntdprogram.gov</u>).
- School bus registration data from PennDOT's Bureau of Motor Vehicles Registration Database.

Vehicle type percentages are also input into the capacity analysis section of PPSUITE to adjust the speeds in response to truck volume. Larger trucks take up more roadway space compared to an equal number of cars and light trucks, which is accounted for in the speed estimation process by adjusting capacity using information from the Transportation Research Board's fifth edition of the *Highway Capacity Manual*. (http://hcm.trb.org/).

## Vehicle Ages

Vehicle age distributions are input to MOVES for each of the thirteen source types. These distributions reflect the percentage of the vehicle fleet falling under each vehicle model year (MY), to a maximum age of 31 years. The vehicle age distributions were prepared from the most recently available registration download from PennDOT's Bureau of Motor Vehicles Registration Database. Due to data limitations, information for light duty vehicles (including source types 11, 21, 31 and 32) was used as local data for

MOVES inputs, while heavy-duty vehicles (including source types 41, 42, 43, 51, 52, 53, 54, 61, and 62) used the internal MOVES national default data. The registration data download is based on MOBILE6.2 vehicle categories. The data was converted to source types using the EPA convertor spreadsheets provided with the MOVES emission model.

### Vehicle Population

The vehicle population information, including the number and age of vehicles, impacts forecasted start and evaporative emissions within MOVES. Similar to vehicle ages, MOVES requires vehicle populations for each of the thirteen source type categories. County vehicle registration data was used to estimate vehicle population for light-duty vehicles, transit buses, and school buses. Other heavy-duty vehicle population values were based on VMT for each source type using the vehicle mix and pattern data discussed previously. PPSUITE automatically applies MOVES default ratios of VMT and source type population (e.g. the number of miles per vehicle by source type) to the local VMT estimates to produce vehicle population.

For the preparation of source type population for other required conformity analysis years, base values were adjusted using forecast population and household data for the area. Growth rates were limited so as to not exceed the VMT growth assumptions.

#### Meteorology Data

Average monthly minimum temperatures, maximum temperatures, and humidity values are consistent with the regional State Implementation Plan (SIP) modeling conducted by DEP. The data was obtained from WeatherBank, Inc. EPA's MOBILE6.2-MOVES meteorological data convertor spreadsheet (<u>http://www.epa.gov/oms/models/moves/tools.htm</u>) was used to prepare the hourly temperature inputs needed for the MOVES model, based on the available data.

## **Fuel Parameters**

The MOVES default fuel formulation and fuel supply data were reviewed and updated based on available local volumetric fuel property information. The gasohol market penetration and Reid Vapor Pressure (RVP) values were updated, but MOVES default data was used for the remaining parameters. Key assumptions include:

- 10.0 RVP used for summer months [Local data].
- 10% ethanol used throughout the year [MOVES defaults].

## I/M Program Parameters

The inspection maintenance (I/M) program inputs to the MOVES model are based on previous and current programs within each county (all PA I/M programs are based on county boundaries). All analysis years include Pennsylvania's statewide I/M program. The default I/M program parameters included in MOVES were examined for each county and necessary changes were made to the default parameters to match the actual local program.

The I/M program requirements vary by region (five regions) and include on-board diagnostics (OBD) technology that uses the vehicle's computer for model years 1996 and newer to identify potential engine and exhaust system problems that could affect emissions. The program, named PAOBDII, is implemented by region as follows:

- *Philadelphia Region* Bucks, Chester, Delaware, Montgomery and Philadelphia Counties [Includes tailpipe exhaust testing using ASM2015 or equipment for pre-1996 vehicles up to 25 years old]
- *Pittsburgh Region* Allegheny, Beaver, Washington and Westmoreland Counties. [Includes tailpipe exhaust testing using PA 97 equipment for pre-1996 vehicles up to 25 years old]
- South Central and Lehigh Valley Region Berks, Cumberland, Dauphin, Lancaster, Lebanon, Lehigh, Northampton and York Counties. [Gas cap and visual inspection only]
- North Region Blair, Cambria, Centre, Erie, Lackawanna, Luzerne, Lycoming, and Mercer Counties. [Gas cap and visual inspection only]
- Other 42 Counties Includes the remaining 42 counties not included above. [Visual inspection only]

# Other Vehicle Technology and Control Strategy Data

Current federal vehicle emissions control and fuel programs are incorporated into the MOVES software. These include the National Program standards covering vehicles MY2012-MY2025. Modifications of default emission rates are required to reflect the early implementation of the National Low Emission Vehicle (NLEV) Program in Pennsylvania. To reflect these impacts, EPA has released instructions and input files that can be used to model these impacts.

The Pennsylvania Clean Vehicles (PCV) Program, adopted in 1998, incorporated the California Low Emission Vehicle Regulations (CA LEV) by reference. The PCV Program allowed automakers to comply with the NLEV program as an alternative to this Pennsylvania program until MY2006. Beginning with MY2008, all "new" passenger cars and light-duty trucks with a gross vehicle weight rating (GVWR) of 8,500 pounds or less sold/leased and titled in Pennsylvania must be certified by the California Air Resources Board (CARB) or be certified for sale in all 50 states. For this program, a "new" vehicle is a qualified vehicle with an odometer reading less than 7,500 miles. DEP and PennDOT both work with the public, including manufacturers, vehicle dealers and consumers, to ensure that vehicles sold and purchased in Pennsylvania or vehicles purchased from other states by Pennsylvania residents comply with the requirements of the PCV Program, in order to be titled in Pennsylvania. Additionally, PennDOT ensures that paperwork for title and registration includes proof of CARB- or 50-state emission certification or that the vehicle owner qualifies for an exemption to the requirements, as listed on PennDOT's MV-9 form and in the PCV Program regulation. When necessary, information from PennDOT's title and registration process may be used to audit vehicle title transactions to determine program compliance.

The impacts of this program are modeled for all analysis years beyond 2008 using the same instructions and tools downloaded for the early NLEV analysis. EPA provided input files to reflect state programs

similar to the CAL LEV program. Modifications to those files were made to reflect a 2008 program start date for Pennsylvania.

## **Analysis Process Details**

The previous sections have summarized the input data used for computing speeds and emission rates for this conformity analysis. This section explains how PPSUITE and MOVES use that input data to produce emission estimates. **Exhibit 5** provides a more detailed overview of the PPSUITE analysis procedure using the available traffic data information described in the previous sections.

#### **VMT** Preparation

Producing an emissions inventory with PPSUITE requires a process of disaggregation and aggregation. Data is available and used on a very detailed scale – individual roadway segments for each of the 24 hours of the day. This data needs to be processed individually to determine the distribution of vehicle hours of travel (VHT) by speed and then aggregated by vehicle class to determine the input VMT to the MOVES emission model. Key steps in the preparation of VMT include:

- Assemble VMT The RMS database contains the roadway segments, distances and travel volumes needed to estimate VMT. PPSUITE processes each segment by simply multiplying the assigned travel volume by the distance to obtain VMT.
- Apply Seasonal Adjustments PPSUITE adjusts the traffic volumes to the appropriate analysis season. These traffic volumes are assembled by PPSUITE and extrapolated over the course of a year to produce the annual VMT file input to MOVES.
- *Disaggregate to Hours* After seasonal adjustments are applied, the traffic volumes are distributed to each hour of the day. This allows for more accurate speed calculations (effects of congested hours) and allows PPSUITE to prepare the hourly VMT and speeds for input to MOVES.
- *Peak Spreading* After distributing the daily volumes to each hour of the day, PPSUITE identifies hours that are unreasonably congested. For those hours, PPSUITE then spreads a portion of the volume to other hours within the same peak period, thereby approximating the "peak spreading" that normally occurs in such over-capacity conditions. This process also helps prevent hours with unreasonably congested speeds from disproportionately impacting emission calculations.
- *Disaggregation to Vehicle Types* EPA requires VMT estimates to be prepared by the six HPMS vehicle groups, reflecting specific local characteristics. As described in the previous section, the hourly volumes are disaggregated into thirteen MOVES source types based on data from PennDOT and NTD, in combination with MOVES defaults. The thirteen MOVES source types are then recombined into six HPMS vehicle classes.
- Apply HPMS VMT Adjustments Volumes must also be adjusted to account for differences with the HPMS VMT totals, as described in previous sections. VMT adjustment factors are provided as inputs to PPSUITE and are applied to each of the roadway segment volumes. VMT adjustment factors are also applied to runs for future years.

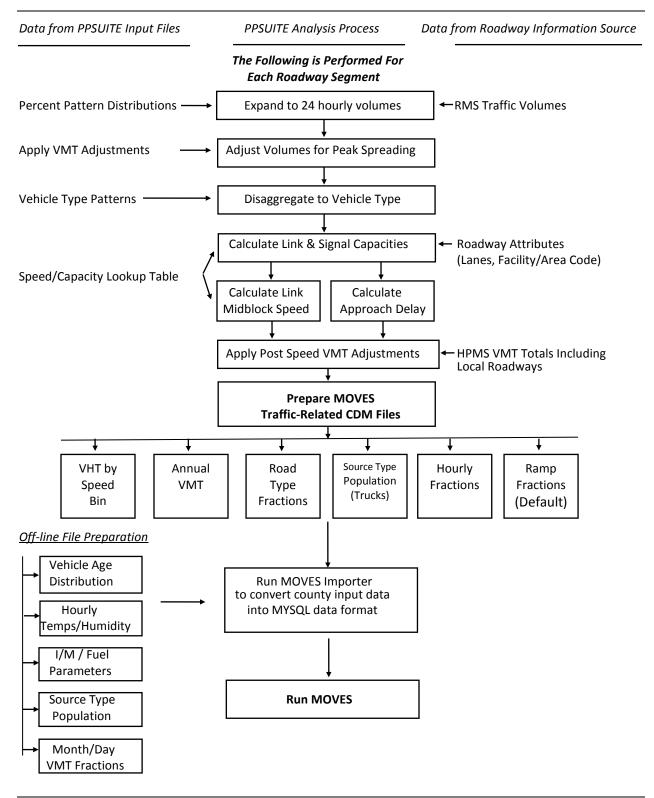
• Apply VMT Growth Adjustments - Volumes must also be adjusted to estimate future year VMT. VMT growth factors are provided as inputs to PPSUITE, and are applied to each of the roadway segment volumes. The VMT growth factors were developed from the PennDOT BPR Growth Rate forecasting system.

## **Speed Estimation**

Emissions for many pollutants (including VOC and  $NO_x$ ) vary significantly with travel speed. VOC emissions generally decrease as speed increases, while  $NO_x$  emissions decrease at low speeds and increases at higher speeds, as illustrated in **Exhibit 6**. Because emissions are so sensitive to speed changes, EPA recommends special attention be given to developing reasonable and consistent speed estimates. EPA also recommends that VMT be disaggregated into subsets that have roughly equal speeds, with separate emission factors for each subset. At a minimum, speeds should be estimated separately by road type.

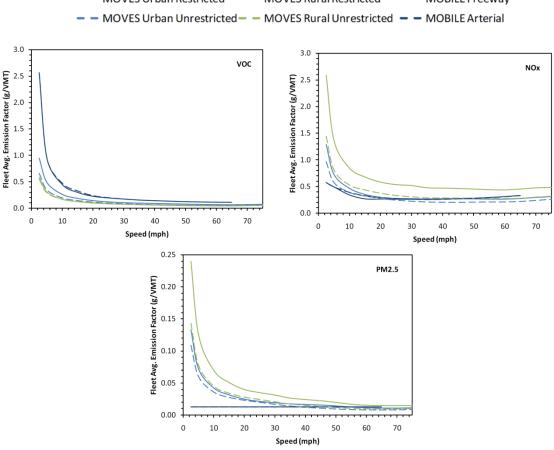
The computational framework used for this analysis meets and exceeds the recommendation above relating to speed estimates. Speeds are individually calculated for each roadway segment and hour. Rather than accumulating the roadway segments into a particular road type and calculating an average speed, each individual link hourly speed is represented in the MOVES vehicle hours of travel (VHT) by a speed bin file. This MOVES input file allows the specification of a distribution of hourly speeds. For example, if 5% of a county's arterial VHT operates at 5 mph during the AM peak hour and the remaining 95% operates at 65 mph, this can be represented in the MOVES speed input file. For the roadway vehicle emissions calculations, speed distributions are input to MOVES by road type and source type for each hour of the day.

To calculate speeds, PPSUITE first obtains initial capacities (i.e., how much volume the roadway can serve before heavy congestion) and free-flow speeds (speeds assuming no congestion) from a speed/capacity lookup table. As described previously, this data contains default roadway information indexed by the area and facility type codes. For areas with known characteristics, values can be directly coded to the database and the speed/capacity default values can be overridden. For most areas where known information is unavailable, the speed/capacity lookup tables provide valuable default information regarding speeds, capacities, signal characteristics, and other capacity adjustment information used for calculating congested delays and speeds. The result of this process is an estimated average travel time for each hour of the day for each highway segment. The average travel time multiplied by traffic volume produces vehicle hours of travel (VHT).



#### **EXHIBIT 5: PPSUITE SPEED/EMISSION ESTIMATION PROCEDURE**





----- MOVES Urban Restricted ----- MOVES Rural Restricted ----- MOBILE Freeway

Source: Figure 3 from Implications of the MOVES2010 Model on Mobile Source Emission Estimates, Air & Waste Management Association, July 2010.

#### **Developing the MOVES Traffic Input Files**

The PPSUITE software is responsible for producing the following MOVES input files during any analysis run:

- VMT by HPMS vehicle class.
- VHT by speed bin.
- Road type distributions.
- Hourly VMT fractions.
- Ramp fractions.

These files are text formatted files with a \*.csv extension. The files are provided as inputs within the MOVES County Data Manager (CDM) and are described below:

- *VMT Input File*: VMT is the primary traffic input affecting emission results. The roadway segment distances and traffic volumes are used to prepare estimates of VMT. PPSUITE performs these calculations and outputs the MOVES annual VMT input file to the County Data Manager (CDM). The annual VMT is computed by multiplying the RMS adjusted VMT by 365 days (366 days in a leap year).
- VHT by Speed Bin File: As described in the previous section, the PPSUITE software prepares the MOVES VHT by speed bin file, which summarizes the distribution of speeds across all links into each of the 16 MOVES speed bins for each hour of the day by road type. This robust process is consistent with the methods and recommendations provided in EPA's technical guidance for the MOVES2014 model (<a href="http://www.epa.gov/otaq/models/moves/">http://www.epa.gov/otaq/models/moves/</a>) and ensures that MOVES emission rates are used to the fullest extent.
- *Road Type Distributions*: Within MOVES, typical drive cycles and associated operating conditions vary by roadway type. MOVES defines five different roadway types as follows:
  - 1 Off-Network.
  - 2 Rural Restricted Access.
  - 3 Rural Unrestricted Access.
  - 4 Urban Restricted Access.
  - 5 Urban Unrestricted Access.

For this analysis, the MOVES road type distribution file is automatically generated by PPSUITE using defined equivalencies. The off-network road type includes emissions from vehicle starts, extended idling, and evaporative emissions. Off-network activity in MOVES is primarily determined by the Source Type Population input.

• *Ramp Fractions*: Since ramps are not directly represented within the RMS database, the assumption is that 8% of total Freeway VHT is Ramp VHT, consistent with EPA's technical guidance.

#### **MOVES** Runs

After computing speeds and aggregating VMT and VHT, PPSUITE prepares traffic-related inputs needed to run EPA's MOVES software. Additional required MOVES inputs are prepared externally from the processing software and include temperatures, I/M program parameters, fuel characteristics, vehicle fleet age distributions, and source type population. The MOVES county importer is run in batch mode. This program converts all data files into the MySQL format used by the MOVES model. At that point, a MOVES run specification file (\*.mrs) is created which specifies options and key data locations for the run. The MOVES run is then executed in batch mode. A summary of key MOVES run specification settings is shown in **Exhibit 7**. MOVES can be executed using either an inventory or rate-based approach. For this analysis, MOVES is applied using the *inventory-based* approach. Using this approach, actual VMT and population are provided as inputs to the model; MOVES is responsible for producing the total emissions for the region.

Parameter	Setting
MOVES Version	MOVES2014a
MOVES Default Database Version	MOVESDB20161117
Scale	COUNTY
Analysis Mode	Inventory
Time Span	<b>July Weekday Runs:</b> July month, Weekday, 24 hours
Time Aggregation	Hour
Geographic Selection	County [FIPS]
Vehicle Selection	All source types Gasoline, Diesel, CNG, E85
Road Type	All road types including off-network
Pollutants and Processes	NO <sub>X</sub> , VOC
Database selection	Early NLEV database PA-Specific CAL LEV program database
General Output	Units: Emission = grams; Distance = miles; Time = hours; Energy = Million BTU
Output Emissions	Time = Hour, Emissions by Process ID, Source Type and Road Type

and Road Type

# EXHIBIT 7: MOVES RUN SPECIFICATION FILE PARAMETER SETTINGS

# **Conformity Analysis Results**

A transportation conformity analysis of the current TIP and LRTP has been completed for Tioga County. The analyses were performed according to the requirements of the Federal transportation conformity rule at 40 CFR Part 93, Subpart A. The analyses utilized the methodologies, assumptions and data as presented in previous sections. Interagency consultation has been used to determine applicable emission models, analysis years and emission tests.

## **Emission Tests**

A SIP maintenance plan for the *Tioga Co, PA* nonattainment area was approved on July 6, 2007 (72 FR 36892) under the 1997 8-hour ozone NAAQS. The SIP established MVEBs for Tioga County. The ozone conformity analysis has been conducted to evaluate emissions in comparison to the applicable ozone MVEBs as summarized in **Exhibit 8**.

County / Pollutant	2009 Budget (tons/day)	2018 Budget (tons/day)
VOC	2.2	1.3
NOx	3.4	1.6

## EXHIBIT 8: 8-HOUR OZONE MOTOR VEHICLE EMISSION BUDGETS (TIOGA COUNTY)

# **Analysis Years**

Section 93.119(g) of the Federal Transportation Conformity Regulations requires that emissions analyses be conducted for specific analysis years as follows:

- > The last year of the LRTP's forecast period.
- > The attainment year of the standard if within timeframe of TIP and LRTP.
- An intermediate year or years such that if there are two years in which analysis is performed, the two analysis years are no more than ten years apart.

All analysis years were determined through the interagency consultation process. **Exhibit 9** provides the analysis years used for this conformity analysis.

Analysis Year	Description
2022	Interim Year – Last Year of TIP
2025	Budget Year
2035	Interim Year
2040	Last Year of LRTP

#### **EXHIBIT 9: TRANSPORTATION CONFORMITY ANALYSIS YEARS**

#### **Regionally Significant Highway Projects**

For the purposes of conformity analysis, highway networks are created for each analysis year. For the horizon years, regionally significant projects from the LRTP were coded onto the networks. Detailed assessments were only performed for those new projects which may have a significant effect on emissions in accordance with 40 CFR Parts 51 and 93. Only those projects which would increase capacity or significantly impact vehicular speeds were considered. Projects such as bridge replacements and roadway restoration projects, which constitute the majority of the TIP and LRTP list, have been excluded from consideration since they are considered exempt under 40 CFR 93.126-127. A list of highway projects is shown in **Attachment A**.

#### **Analysis Results**

An emissions analysis has been completed for the 1997 8-hour ozone NAAQS. **Exhibit 10** summarizes the Tioga County ozone emission results for a summer weekday in each analysis year. All years are lower than the applicable conformity budgets established in the regional maintenance plan for the 1997 ozone NAAQS. A detailed emission summary is also provided in **Attachment B**. Example MOVES importer (XML) and run specification (MRS) files are provided in **Attachment C**.

Pollutant	2018 BUDGET (tons/day)	2022 (tons/day)	2025 (tons/day)	2035 (tons/day)	2040 (tons/day)
VOC	1.3	0.59	0.47	0.27	0.24
NO <sub>X</sub>	1.6	1.40	1.05	0.60	0.57
Conformity Result		Pass	Pass	Pass	Pass

#### EXHIBIT 10: OZONE EMISSION ANALYSIS RESULTS AND CONFORMITY TEST (Summer Weekday)

\*Emission results rounded to two decimal places to match Attachment B

# **Conformity Determination**

## **Financial Constraint**

The planning regulations, Sections 450.322(b)(11) and 450.324(e), require the transportation plan to be financially constrained while the existing transportation system is being adequately operated and maintained. Only projects for which construction and operating funds are reasonably expected to be available are included. The Northern Tier RPO, in conjunction with PennDOT, FHWA and FTA, has developed an estimate of the cost to maintain and operate existing roads, bridges and transit systems in the RPO region and have compared the cost with the estimated revenues and maintenance needs of the new roads over the same period. The TIP and LRTP have been determined to be financially constrained.

#### **Public Participation**

The TIP and LRTP have undergone the public participation requirements as well as the comment and response requirements according to the procedures established in compliance with 23 CFR part 450, Northern Tier RPO's Public Participation Plan, and Pennsylvania's Conformity SIP. The draft document was made available for a 30-day public review and comment period, which included a public meeting.

#### **Conformity Statement**

The conformity rule requires that the TIP and LRTP conform to the applicable SIP(s) and be adopted by the MPO/RPO before any federal agency may approve, accept, or fund projects. Conformity is determined by applying criteria outlined in the transportation conformity regulations to the analysis.

The TIP and LRTP for the Northern Tier RPO area is found to conform to the applicable air quality SIP(s) or EPA conformity requirements. This finding of conformity positively reflects on the efforts of the Northern Tier RPO and its partners in meeting the regional air quality goals, while maintaining and building an effective transportation system.

# **Resources**

## **MOVES Model**

Modeling Page within EPA's Office of Mobile Sources Website contains a downloadable model, MOVES users guide and other information. See (<u>http://www.epa.gov/omswww/models.htm</u>)

*Policy Guidance on the Use of MOVES2014 for State Implementation Plan Development, Transportation Conformity, and Other Purposes,* US EPA Office of Air and Radiation, EPA-420-B-14-008, July 2014.

*MOVES2014 and MOVES2014a Technical Guidance: Using MOVES to Prepare Emission Inventories in State Implementation Plans and Transportation Conformity.* US EPA Office of Air and Radiation, and Office of Transportation and Air Quality, EPA-420-B-15-093, November 2015.

*MOVES2014a User Guide, US EPA Office of Transportation and Air Quality, EPA-420-B-15-095, November 2015.* 

## Traffic Engineering

*Highway Capacity Manual, fifth edition (HCM2010),* Transportation Research Board, presents current knowledge and techniques for analyzing the transportation system.

*Traffic Data Collection and Factor Development Report, 2014 Data,* Pennsylvania Department of Transportation, Bureau of Planning and Research.

# **Highway Vehicle Emissions Analysis Glossary**

**AADT:** Average Annual Daily Traffic, average of ALL days.

CAA: Clean Air Act as amended.

**CARB:** California Air Resources Board.

**CFR**: Code of Federal Regulations.

**County Data Manager (CDM):** User interface developed to simplify importing specific local data for a single county or a user-defined custom domain without requiring direct interaction with the underlying MySQL database in the MOVES emission model.

**DEP:** Department of Environmental Protection.

**Emission rate or factor:** Expresses the amount of pollution emitted per unit of activity. For highway vehicles, this is usually expressed in grams of pollutant emitted per mile driven.

**EPA:** Environmental Protection Agency.

FC: Functional code. Applied to road segments to identify their type (freeway, local, etc.).

FHWA: Federal Highway Administration.

FR: Federal Register.

**FTA:** Federal Transit Administration.

Growth factor: Factor used to convert volumes to future years.

**HPMS:** Highway Performance Monitoring System.

**I/M:** Vehicle emissions inspection/maintenance programs are required in certain areas of the country. The programs ensure that vehicle emission controls are in good working order throughout the life of the vehicle. The programs require vehicles to be tested for emissions. Most vehicles that do not pass must be repaired.

**LRTP:** Long Range Transportation Plan

**MOVES:** Motor Vehicle Emission Simulator. The latest model EPA has developed to estimate emissions from highway vehicles.

**MVEB:** motor vehicle emissions budget.

NAAQS: National Ambient Air Quality Standard.

**Pattern data:** Extrapolations of traffic patterns (such as how traffic volume on road segment types varies by time of day, or what kinds of vehicles tend to use a road segment type) from segments with observed data to similar segments.

**PPSUITE:** Post-Processor for Air Quality. A set of programs that estimate speeds and prepares MOVES inputs and processes MOVES outputs.

**Road Type:** Functional code, applied in data management to road segments to identify their type (rural/urban highways, rural/urban arterials, etc.).

**RMS:** Roadway Management System.

SIP: State Implementation Plan.

Source Type: One of thirteen vehicle types used in MOVES modeling.

**VHT:** Vehicle hours traveled.

**VMT:** Vehicle miles traveled. In modeling terms, it is the simulated traffic volumes multiplied by link length.

**VOC:** volatile organic compound emissions.

# **ATTACHMENT A**

**Project List** 

# The following TIP/LRTP air quality significant highway project is included in this analysis.

There are no air quality significant TIP or LRTP projects in Tioga County.

# **ATTACHMENT B**

**Detailed Emission Results** 

# **Detailed Emission Results for Ozone Analysis**

County	Road Type	Summer Daily	Speed	Emission	s (Tons/Day)
County	Noau Type	VMT	(mph)	VOC	NOx
	Off-Network	N/A	N/A	0.4	0.34
	Rural Restricted	0	N/A	0.0	0.00
Tiogo	Rural UnRestricted	1,796,370	45.6	0.2	1.06
Tioga	Urban Restricted	0	N/A	0.0	0.00
	Urban UnRestricted	0	N/A	0.0	0.00
	Subtotal	1,796,370		0.59	1.40
Off-Model Project Emission Benefits				0.00	0.00
Region Total		1,796,370		0.59	1.40
			(Kg/Day)	536	1,270

# Tioga County Ozone Daily Emission Summary 2022 FFY19 Conformity (By Road Type)

## Tioga County Ozone Daily Emission Summary 2022 FFY19 Conformity (By Source Type)

County	Source Type	Summer Daily	Emissions (Tons/Day)	
County	oburce Type	VMT	VOC	NOx
	Motorcycle	10,625	0.0	0.01
	Passenger Car	836,321	0.1	0.11
	Passenger Truck	545,384	0.3	0.33
	Light Commercial Truck	138,207	0.1	0.09
	Intercity Bus	752	0.0	0.00
	Transit Bus	1,869	1,869 0.0	0.01
Tiogo	School Bus 2,354		0.0	0.01
Tioga	Refuse Truck	4,430	0.0	0.01
	Single Unit Short-haul Truck 91,632		0.0	0.11
	Single Unit Long-haul Truck	5,035	0.0	0.01
	Motor Home	3,495	0.0	0.01
	Combination Short-haul Truck	35,442	0.0	0.09
	Combination Long-haul Truck 120,824		0.1	0.62
	Subtotal	1,796,370	0.59	1.40
Off-Model Project			0.00	0.00
Emission Benefits			0.00	0.00
Region Total		1,796,370	0.59	1.40
		(Kg/Day)	536	1,270

County	Emission Process	Emissions (	Fons/Day)
obuilty		VOC	NOx
Tioga	Running Exhaust Start Exhaust Brakewear Tirewear Evap Permeation Evap Fuel Vapor Venting Evap Fuel Leaks Crankcase Running Exhaust Crankcase Start Exhaust Crankcase Extended Idle Exhaust Extended Idle Exhaust Auxiliary Power Exhaust	0.12 0.24 0.00 0.03 0.09 0.08 0.00 0.00 0.00 0.00 0.03 0.00	1.06 0.19 0.00 0.00 0.00 0.00 0.00 0.00 0.00
	Subtotal		1.40
Off-Model Project Emission Benefits		0.00	0.00
Region Total	(Kg/Day)	0.59 536	1.40 1,270

# Tioga County Ozone Daily Emission Summary 2022 FFY19 Conformity (By Emission Process)

# Tioga County Ozone Daily Emission Summary 2025 FFY19 Conformity (By Road Type)

County	Road Type	Summer Daily	Speed	Emission	s (Tons/Day)
county	VMT	(mph)	VOC	NOx	
Tioga	Off-Network Rural Restricted Rural UnRestricted Urban Restricted Urban UnRestricted Subtotal	N/A 0 1,821,413 0 0 1,821,413	N/A N/A 45.6 N/A N/A	0.3 0.0 0.1 0.0 0.0 0.47	0.30 0.00 0.76 0.00 0.00 1.05
Off-Model Project Emission Benefits				0.00	0.00
Region Total		1,821,413	(Kg/Day)	0.47 424	1.05 955

County	Source Type	Summer Daily	Emissions (Tons/Day)	
county	oource Type	VMT	VOC	NOx
	Motorcycle	10,769	0.0	0.01
	Passenger Car	847,667	0.1	0.09
	Passenger Truck	552,794	0.2	0.21
	Light Commercial Truck	140,093	0.0	0.06
	Intercity Bus	761	0.0	0.00
	Transit Bus	1,903	0.0	0.01
Tiogo	School Bus 2,382		0.0	0.01
Tioga	Refuse Truck 4,483		0.0	0.01
	Single Unit Short-haul Truck 93,1		0.0	0.09
	Single Unit Long-haul Truck 5,128		0.0	0.00
	Motor Home	3,547	0.0	0.01
	Combination Short-haul Truck	36,025	0.0	0.07
	Combination Long-haul Truck 122,750		0.0	0.50
	Subtotal	1,821,413	0.47	1.05
Off-Model Project			0.00	0.00
Emission Benefits			0.00	0.00
Region Total		1,821,413	0.47	1.05
Region rotar		(Kg/Day)	424	955
		(Ng/Day)	424	333

## Tioga County Ozone Daily Emission Summary 2025 FFY19 Conformity (By Source Type)

## Tioga County Ozone Daily Emission Summary 2025 FFY19 Conformity (By Emission Process)

County	Emission Process	Emissions (Tons/Day)	
County		VOC	NOx
	Running Exhaust	0.08	0.76
	Start Exhaust	0.08	0.76
	Brakewear	0.00	0.14
	Tirewear	0.00	0.00
	Evap Permeation	0.02	0.00
	Evap Fuel Vapor Venting	0.07	0.00
Tioga	Evap Fuel Leaks	0.08	0.00
Ű	Crankcase Running Exhaust	0.00	0.00
	Crankcase Start Exhaust	0.00	0.00
	Crankcase Extended Idle Exhaust	0.00	0.00
	Extended Idle Exhaust	0.03	0.15
	Auxiliary Power Exhaust	0.00	0.00
	Subtotal	0.47	1.05
Off-Model Project Emission Benefits		0.00	0.00
Region Total		0.47	1.05
	(Kg/Day)	424	955

County	Road Type	Summer Daily	Speed	Emission	is (Tons/Day)
County	Noud Type	VMT	(mph)	VOC	NOx
Tioga	Off-Network Rural Restricted Rural UnRestricted Urban Restricted Urban UnRestricted Subtotal	N/A 0 1,906,849 0 0 1,906,849	N/A N/A 45.6 N/A N/A	0.2 0.0 0.1 0.0 0.0 0.27	0.23 0.00 0.37 0.00 0.00 0.60
Off-Model Project Emission Benefits				0.00	0.00
Region Total		1,906,849	(Kg/Day)	0.27 248	0.60 544

# Tioga County Ozone Daily Emission Summary 2035 FFY19 Conformity (By Road Type)

# Tioga County Ozone Daily Emission Summary 2035 FFY19 Conformity (By Source Type)

County	Source Type Summer Daily VMT	Summer Daily	Emissions (Tons/Day)	
		VMT	VOC	NOx
	Motorcycle	11,281	0.0	0.01
	Passenger Car	887,981	0.1	0.04
	Passenger Truck	579,096	0.1	0.07
	Light Commercial Truck	146,747	0.0	0.02
	Intercity Bus	784	0.0	0.00
	Transit Bus	2,025	0.0	0.00
Tiege	School Bus	2,455	0.0	0.00
Tioga	Refuse Truck	4,676	0.0	0.01
	Single Unit Short-haul Truck	97,137	0.0	0.06
	Single Unit Long-haul Truck	5,338	0.0	0.00
	Motor Home	3,703	0.0	0.00
	Combination Short-haul Truck	37,515	0.0	0.05
	Combination Long-haul Truck	128,109	0.0	0.34
	Subtotal	1,906,849	0.27	0.60
Off-Model Project			0.00	0.00
Emission Benefits			0.00	0.00
Region Total		1,906,849	0.27	0.60
		(Kg/Day)	248	544

County	Emission Process	Emissions (Tons/Day)		
County		VOC	NOx	
Tioga	Running Exhaust Start Exhaust Brakewear Tirewear Evap Permeation Evap Fuel Vapor Venting Evap Fuel Leaks Crankcase Running Exhaust Crankcase Start Exhaust Crankcase Extended Idle Exhaust Extended Idle Exhaust Auxiliary Power Exhaust	0.03 0.07 0.00 0.01 0.05 0.08 0.00 0.00 0.00 0.00 0.02 0.00	0.37 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.0	
Off-Model Project	Subtotal	0.27	0.60	
Emission Benefits		0.00	0.00	
Region Total	(Kg/Day)	0.27 248	0.60 544	

## Tioga County Ozone Daily Emission Summary 2035 FFY19 Conformity (By Emission Process)

## Tioga County Ozone Daily Emission Summary 2040 FFY19 Conformity (By Road Type)

County	Road Type	Summer Daily	Speed (mph)	Emissions (Tons/Day)	
		VMT		VOC	NOx
Tioga	Off-Network Rural Restricted Rural UnRestricted Urban Restricted Urban UnRestricted Subtotal	N/A 0 1,951,028 0 0 1,951,028	N/A N/A 45.5 N/A N/A	0.2 0.0 0.1 0.0 0.0 0.24	0.23 0.00 0.34 0.00 0.00 0.57
Off-Model Project Emission Benefits				0.00	0.00
Region Total		1,951,028	(Kg/Day)	0.24 221	0.57 521

County	Source Type	Summer Daily	Emissions (Tons/Day)	
county		VMT	VOC	NOx
	Motorcycle	11,547	0.0	0.01
	Passenger Car	908,913	0.1	0.04
	Passenger Truck	592,700	0.1	0.05
	Light Commercial Truck	150,218	0.0	0.01
	Intercity Bus	796	0.0	0.00
	Transit Bus	2,069	0.0	0.00
Tiogo	School Bus	School Bus 2,509		0.00
Tioga	Refuse Truck	4,778	0.0	0.01
	Single Unit Short-haul Truck	99,163	0.0	0.06
	Single Unit Long-haul Truck	5,459	0.0	0.00
	Motor Home	3,778	0.0	0.00
	Combination Short-haul Truck	38,272	0.0	0.05
	Combination Long-haul Truck	130,824	0.0	0.34
	Subtotal	1,951,028	0.24	0.57
				_
Off-Model Project			0.00	0.00
Emission Benefits			0.00	0.00
Region Total		1,951,028	0.24	0.57
-		(Kg/Day)	221	521

## Tioga County Ozone Daily Emission Summary 2040 FFY19 Conformity (By Source Type)

# Tioga County Ozone Daily Emission Summary 2040 FFY19 Conformity (By Emission Process)

County	Emission Process	Emissions (Tons/Day)		
County		VOC	NOx	
	Running Exhaust Start Exhaust Brakewear	0.03 0.06 0.00	0.34 0.05 0.00	
Tioga	Tirewear Evap Permeation Evap Fuel Vapor Venting Evap Fuel Leaks Crankcase Running Exhaust	0.00 0.01 0.05 0.07 0.00	0.00 0.00 0.00 0.00 0.00	
	Crankcase Start Exhaust Crankcase Extended Idle Exhaust Extended Idle Exhaust Auxiliary Power Exhaust Subtotal	0.00 0.00 0.02 0.00 0.24	0.00 0.00 0.17 0.01 0.57	
Off-Model Project Emission Benefits		0.00	0.00	
Region Total	(Kg/Day)	0.24 221	0.57 521	

# **ATTACHMENT C**

# Sample MOVES Data Importer (XML) Input File and Run Specification (MRS) Input File

(Sample for 2025 July Weekday)

#### MOVES County Data Manager Importer File – 2025 July Weekday Run (MOVESIMPORTER.XML)

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#### MOVES Run Specification File – 2025 July Weekday Run (MOVESRUN.MRS)

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