

Appendix A. ROP Project Rankings

**Central RTMC Region ROP
Projects**

PennDOT District	Planning Organization	Project	Location	Improvement	Comparative Need				Regional Impact				Expected Benefit		Total Score	Planner Rank	District Rank	Regional Rank	Project ID
					Max. Bottleneck Delay Surrogate	Max. TTR Peak	Sum of Crash Cluster Rates	Need Score	Tier	Parallel Corridor Tier	Corridor of Significance	Impact Score	Expected Benefit (+,+,+,+)	Benefit Score					
3	SEDA-COG	CSVT ICM	US 11/US 15/PA-61/PA-147	ICM, TIM Team	1.5806E+10	red	90.15	65	2A	n/a	Y	64	+++	100	76.2	1	1	1	ST-01
3	SEDA-COG	I-80 ICM (Exit 232 to 241) + Parallel Corridor Improvements	I-80/US 11/PA-42, Bloomsburg	DMS, ICM, Signals	--	yellow	200.26	61	1C	n/a	Y	64	+++	100	75.0	2	2	2	LT-01
various	various	I-80/I-99 Fiber Backbone	various	Fiber Backbone	1.3811E+10	orange	29.06	41	1B	n/a	Y	82	+++	100	74.4	1	1	3	LT-02
2	North Central	I-80 ICM (Exit 97 to 101) + Parallel Corridor Improvements	I-80/US 219/PA-255, DuBois	DMS, ICM, Signals	1.2001E+10	yellow	49.15	38	1C	n/a	Y	64	+++	100	67.3	1	1	4	LT-03
3	Williamsport	I-180 Interchange Improvements	I-180, Williamsport	Queue Detection, Signals	--	green	--	6	1B	n/a	Y	82	+++	100	62.8	1	3	5	LT-04
various	various	I-80/I-99 Existing CCTV Replacements	various	CCTV	8148391874	yellow	206.03	72	1C	n/a	Y	64	++	50	61.9	2	2	6	ST-02
2	Centre	I-99/US 322 ICM (Atherton Street)	I-99/US 322/SR 3014, State College	Signals, CCTV, DMS, ICM	7749634031	red	145.51	69	2A	1C	Y	64	++	50	61.0	1	2	7	LT-05
9	Southern Alleghenies	Breezewood ICM	I-70/I-76 (PA Turnpike)/US 30	Integrated Corridor Management	--	green	43.38	17	1C	n/a	Y	64	+++	100	60.3	1	1	8	ST-03
2	North Central	I-80 ICM (Exit 111 to 123)	I-80/PA-153/US 322/PA-879/PA-970	ICM, DMS	8099631406	green	2.05	16	1C	n/a	Y	64	+++	100	59.9	2	3	9	LT-06
2	SEDA-COG	I-80 ICM (Exit 173 to 185)	I-80/PA-64/PA-477	Integrated Corridor Management	9665323806	--	3.66	12	1C	n/a	Y	64	+++	100	58.6	3	4	10	LT-07
2	Centre	I-80 ICM (Exit 147 to 158)	I-80/PA-144/PA-150	ICM, Variable Speed Displays	6349201413	--	0.70	7	1C	n/a	Y	64	+++	100	57.1	2	5	11	ST-04
9	Johnstown	PA-56 Signal Improvements	PA-56, near US 219	Traffic Signal Enhancements	--	yellow	182.68	57	2A	n/a	Y	64	++	50	56.9	1	2	12	LT-08
9	Altoona	US 220-Business Signal Improvements	US 220-Business/Plank Road	CCTV, ICM, Signals	--	yellow	164.66	52	2A	1C	Y	64	++	50	55.5	1	3	13	LT-09
9	Johnstown	US 22 Queue Detection	US 22 Eastbound, near US 219	Queue Detection	1.705E+10	yellow	9.41	34	1C	n/a	Y	64	++	50	49.3	2	4	14	ST-05
various	SEDA-COG	I-80 CCTV Gaps	various	CCTV	2.2276E+10	green	4.33	32	1C	n/a	Y	64	++	50	48.8	4	3	15	ST-06
various	various	I-80 TIM Team	I-80 corridor	TIM Team	--	--	25.38	6	1B	n/a	Y	82	++	50	46.1	3	4	16	ST-07
various	various	Central Region Dynamic Curve Warning	various	Dynamic Curve Warning	1.0762E+10	green	18.51	23	1C	n/a	Y	64	++	50	45.6	4	5	17	LT-10
9	Johnstown	US 219/Elton Road Queue Preemption	US 219 SB Off-Ramp at Elton Road	Traffic Signal Enhancements	6714363255	yellow	9.15	22	1C	n/a	Y	64	++	50	45.4	3	5	18	ST-08
2	Centre	Phillipsburg Signal Improvements	Phillipsburg Borough	Traffic Signal Enhancements	--	yellow	36.91	21	1C	n/a	Y	64	++	50	45.2	3	6	19	ST-09
2	various	I-80 Existing HAR Replacements	various	Replace HAR	1.2001E+10	--	16.44	17	1C	n/a	Y	64	++	50	43.8	5	7	20	ST-10
3	SEDA-COG	PA-54 Signal Improvements	PA-54, Danville	Signals, CCTV, DMS	8054054308	orange	51.53	40	2B	n/a	N	36	++	50	42.1	5	4	21	LT-11
2	Centre	Existing DMS Retrofit - Centre County	I-99/US 322, Port Matilda	DMS	8088102129	--	11.11	12	1C	n/a	Y	64	++	50	41.9	4	8	22	ST-11
2	Centre	US 322, Phillipsburg to I-99 ITS	US 322, west of I-99	Variable Speeds, CCTV, RWIS	8148391874	--	5.57	10	1C	n/a	Y	64	++	50	41.5	5	9	23	ST-12
2	North Central	I-80 Slow Vehicle Warning	I-80 MM 120 to 111	Slow Vehicle Warning	8099631406	--	1.28	9	1C	n/a	Y	64	++	50	41.1	3	10	24	ST-13
various	various	Central Region DMS Gaps	various	DMS	--	green	7.24	8	1C	n/a	Y	64	++	50	40.7	6	6	25	LT-12
various	various	I-99 TIM Team	I-99 corridor	TIM Team	--	--	10.21	2	1C	n/a	Y	64	++	50	38.8	7	7	26	ST-14
2	SEDA-COG	US 322 Slow Vehicle Warning	US 322, Seven Mountains	Slow Vehicle Warning	--	--	4.90	1	1C	n/a	Y	64	++	50	38.4	6	11	27	ST-15
2	Centre	I-99 CCTV Gaps	various	CCTV	--	--	3.80	1	1C	n/a	Y	64	++	50	38.3	6	12	28	ST-16
2	various	Existing Bridge De-Icing Retrofit	various	Bridge De-icing	--	--	--	0	1C	n/a	Y	64	++	50	38.0	8	13	29	ST-17
2	Centre	I-99 RWIS	I-99 at Skytop	CCTV, RWIS	--	--	--	0	1C	n/a	Y	64	++	50	38.0	7	13	29	ST-18
3	Williamsport	US 15 to I-180 Dynamic Curve Warning	US 15 SB, prior to I-180	Dynamic Curve Warning	--	--	--	0	1C	n/a	Y	64	++	50	38.0	2	5	29	ST-19
various	various	Central Region CCTV Gaps	various	CCTV	--	--	--	0	1C	n/a	Y	64	++	50	38.0	8	8	29	ST-20
9	Altoona	PA-36 Signal Improvements	PA-36, Roaring Spring to I-99	Traffic Signal Enhancements	--	green	58.75	21	3A	n/a	N	27	++	50	32.5	2	6	33	LT-13
3	Northern Tier	US 6 Corridor ITS	various	DMS, CCTV	--	yellow	11.84	15	2C	n/a	N	18	++	50	27.8	1	6	34	LT-14
2	SEDA-COG	PA-150 Signal Improvements	PA-150 (Hogan Blvd), near Mill Hall	Traffic Signal Enhancements	--	green	--	6	3A	n/a	N	27	++	50	27.8	7	15	35	LT-15
3	Northern Tier	Sayre Signal Improvements	US 220 Ramps/SR 1069, Sayre	Traffic Signal Enhancements	--	green	91.80	29	3C	n/a	N	0	++	50	26.2	2	7	36	LT-16
9	various	Existing DMS Retrofit - District 9-0	various	DMS	--	--	--	0	1C	n/a	Y	64	+	0	21.3	10	7	37	ST-21
2	North Central	Existing DMS Retrofit - McKean County	US 219, near Bradford	DMS	--	--	--	0	1C	n/a	Y	64	+	0	21.3	4	16	37	ST-22
2	SEDA-COG	US 22/322 RWIS	US 22/322, near Thompsettown	RWIS	--	--	--	0	1C	n/a	Y	64	+	0	21.3	8	16	37	ST-23
2	Centre	PA-144 Truck Enforcement	PA-144, west of Centre Hall	Automated Truck Enforcement	--	yellow	2.93	13	2C	n/a	N	18	+	0	10.4	8	18	40	LT-17
2	Centre	PA-350 RWIS	PA-350, west of Bald Eagle	RWIS	--	orange	4.72	20	3B	n/a	N	9	+	0	9.6	9	19	41	ST-24
various	various	Special Event Use of Portable DMS	various	Portable DMS	--	--	--	0	2C	n/a	N	18	+	0	6.0	11	9	42	ST-25