



SOUTHWEST BUTLER COUNTY

Multi-Municipal Safety Action Plan



Appendix F: Plan & Policies Review

**PARTNERING
TOGETHER** for the
Southwest Butler
County Safety
Action Plan



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SPC's 2025 Regional Transportation Safety Action Plan

SPC's 2025 Regional Transportation Safety Action Plan uses a "safe system approach" with a data-driven process supported by public outreach to meet its ten specified actions:

1. SPC commits to reducing fatal or life-altering injuries on Southwestern Pennsylvania's transportation system to zero by 2075.
2. Increase attentive driving.
3. Increase sober driving.
4. Increase calm driving.
5. Increase use of protective gear.
6. Increase regional safety culture.
7. Support both youth and older driver training.
8. Support all vulnerable road users.
9. Continue to use Road Safety Audits (RSAs) to employ Proven Safety Countermeasures to the High Injury Network.
10. Continue to support and strengthen Traffic Incident Management, HSIP projects, and Safe Routes to School.

The data-driven approach included High Injury Networks (HINs). HINs within each county were developed using fatal and serious injury crashes reported in PennDOT's crash data from 2020 to 2024. The plan included a map of all locations. The top ten HIN roadways for bicycles, pedestrians, and vehicles were listed separately in a table. Then, a before-after scoring of improvements from the FHWA "My Street" tool. Additionally, for each county, there are population, mode-choice, commuting times, and percentage of single occupancy of vehicle data from the American Community Survey 2019-2023. Regarding the crash data, the suspected serious injury crashes and fatal crashes were broken down into percentages by mode. The crash factors and behaviors were also broken down for crashes by county and compared to the regional average. The data sheets for Butler County are included in the appendix.

Due to the HIN format as a map within the document, Table 1 was made to show approximate beginning and end points for each roadway segment within Cranberry Township, Jackson Township, Zelenople Borough, and Harmony Borough. Tier 2 corridors had higher scores for the HIN and needed investment the most.

TABLE F.1 – HIN APPROXIMATE BOUNDS

Street Name	Bounds	Type	Top 10 for Mode
SR 288/SR 588	County border to U.S. 19	Tier 1	N/A
SR 68	U.S. 19 to Spring Street	Tier 1	N/A
Garvin Rd. (T313)	Pinehurst Dr. to SR 3021	Tier 1	Yes, Pedestrian
SR 3014	SR 3021 to Wolfe Run Rd.	Tier 1	N/A
SR 3018	US 19 to Peters Rd.	Tier 1	N/A
SR 228	US 19 to Cranberry Commons Dr.	Tier 1	N/A
US 19	I-76 Ramps to Cranberry Square Dr.	Tier 2	Yes, Bicycle from I-76 ramps to Mars Road, Vehicle from Mars Road to Cranberry Square Drive.
SR 3021	Burke Rd. to Old Mars Crider Rd.	Tier 1	N/A
SR 3021	Old Mars Crider Rd. to SR 228	Tier 2	N/A
Old Mars Crider Rd.	SR 3021 to Hillmont Dr.	Tier 1	N/A

Also mentioned in the document, there was a Road Safety Audit performed by SPC at SR 19, SR 68, and SR 288 in Harmony and Zelienople Boroughs, and Jackson Township. Additionally, Butler County was considered to be a rural county. Within the rural county category, Butler was assigned to be an “Edge.” Edge communities are rural but at the edge of the Metropolitan Statistical Areas with denser commercial and business districts that are not suburban.

Butler County Mobility Plan (2017)

The Butler County Mobility Plan was assembled to determine the goals, needs, and next steps for transportation in Butler County. The goals of the Butler County Mobility Plan were:

1. Maintain and improve existing transportation infrastructure to provide safe, convenient, and reliable circulation.
2. Focus on operations and safety collectively to improve countywide mobility and congestion for existing and future year conditions.
3. Establish and implement new access management areas, connectors, and marginal access roads to accommodate anticipated future year growth, development, and needs.
4. Work with local, state, and federal officials to provide enhanced mobility through adequate infrastructure and congestion management projects with regional benefits.
5. Encourage multi-jurisdictional coordination to create partnerships and establish greater purpose and need of available funding opportunities.

6. Increase local and regional public transportation options through the planning and implementation of park-n-ride facilities, transit stations, and reliable bus routes.
7. Enhance connectivity and mobility through the maintenance and construction of interconnected streets, sidewalks, and trails, including safe bicycle and pedestrian access routes.
8. Support the acquisition, development, and management of trails and greenways to increase recreational opportunities and improve quality of life.
9. Improve first and last mile freight connections to ensure appropriate, safe, and reliable access to major corridors for businesses and the freight industry.

The projects that were mentioned in the mobility plan for Cranberry Township, Jackson Township, Zelienople Borough, and Harmony Borough are in **Tables F.2 through F. 6.**

TABLE F.2 – ROADWAY PROJECTS

Timeline/Funding Type	Location	Project Name	Funding Source/Responsible Party
Short, Locally Funded	Cranberry Twp.	U.S. 19 at Brandt Drive Intersection Improvements	Impact Fees/CMAQ, or TIP/Cranberry Twp. or PennDOT
Long, Locally Funded	Zelienople Borough	Southwest Connector	Zelienople Borough
Short, State Funded	Cranberry Twp.	U.S. 19 at Rowan Road Intersection Upgrades (including new interchange)	CMAQ or TIP/Cranberry Twp. and PennDOT
Short, State Funded	Jackson Twp.	PA 68E at I-79 NB Exit Ramp Signal Installation	Green Light-Go or Twp. Funding/Jackson Twp.
Short, State Funded	Jackson Twp.	U.S. 19 and Little Creek Road Signal Installation	Green Light-Go or Twp. Funding/Jackson Twp.
Short, State Funded	Jackson Twp.	PA 528 Betterment Project	Multimodal Fund or TIP/Jackson Twp. and PennDOT
Short, State Funded	Jackson Twp.	PA 528 at I-79 Interchange Improvements	TIP/PennDOT
Short, State Funded	Zelienople Borough	Zelienople Mobility Improvements	TAP, Multimodal Fund, TIP, Local Funds/Zelienople Borough
Mid, State Funded	Cranberry Twp.	U.S. 19 at Heights Drive Signalization	Green Light-Go or Local Funds/Cranberry Twp.
Mid, State Funded	Jackson Twp.	U.S. 19 (Main St) – Streetscape Project	TAP, CDBG, or Growing Greener II/Jackson Township and Zelienople Borough

Mid, State Funded	Zelienople Borough	Zelienople Signals Upgrade Project (Major Upgrades)	Green Light-Go or CDBG/Zelienople Borough
Mid, State Funded	Zelienople Borough	PA 288 / PA 588 Split Realignment Project (including signalization)	TIP/Zelienople Borough
Long, State Funded	Cranberry Twp.	Freedom Road Widening Project (Lovi Road and Executive Drive)	TIP/PennDOT and Cranberry Twp.
Long, State Funded	Cranberry Twp.	U.S. 19 at North Boundary Road Improvements	Impact Fees, CMAQ, or TIP/Cranberry Twp. or PennDOT
Long, State Funded	Cranberry Twp.	U.S. 19 at PA 228 and Freedom Road Improvements	CMAQ or TIP/Cranberry Twp. and PennDOT
Long, State Funded	Cranberry Twp.	Freedom Road at Powell Road Improvements	CMAQ or TIP/Cranberry Twp. and PennDOT
Long, State Funded	Cranberry Twp.	Freedom Road at McIntyre Lane Improvements	CMAQ or TIP/Cranberry Twp. and PennDOT
Long, State Funded	Cranberry Twp.	PA 228 at Kristoffer Drive Improvements	CMAQ or TIP/Cranberry Twp. and PennDOT
Long, State Funded	Cranberry Twp., Marshall Twp.	U.S. 19 Widening Project (St. Francis Way and I-79 Ramps)	CMAQ or TIP/Cranberry Twp. and PennDOT
Long, State Funded	Cranberry Twp., Marshall Twp.	New Roadway: Westinghouse Connection to Freeport Road	CMAQ or TIP/Cranberry Twp. and PennDOT
Long, State Funded	Jackson Twp., Cranberry Twp.	U.S. 19 Widening Project (Ehrman Road and Rochester Road)	TIP/Cranberry and Jackson Twp. with PennDOT
Long, State Funded	Zelienople Borough	Northwest Bypass	TIP/Zelienople Borough and PennDOT
Long, State Funded	Zelienople Borough	East-West Connector (for SR 68 and SR 288/588 truck travel alternative)	TIP/Zelienople Borough and PennDOT

TABLE F.3 – MAINTENANCE/QUICK FIX PROJECTS

Location	Project Name	Funding Source/Responsible Part
Jackson Twp – Corridor Wide improvements (on as needed basis) along PA 68/ PA 528 from U.S. 19 to PA 356	Vegetation Trimming/Removal	Maintenance/Local and PennDOT
	Worn Signage and Pavement Markings Replacement	Maintenance/Local
	Speed Limit Evaluations and Adjustments	Operational Study/Local Request for PennDOT
	Passing Zones Reassessment and Removal	Operational Study/Local Request for PennDOT
	Side Street Stop Bars and Stop Signs Assessment and Replacement	Operational Study/Local Request for PennDOT
	School Zone Upgrades	Operational Study/Local and School District
	Traffic Signal Timing and Coordination	SPC Regional Traffic Signal Program or Green Light-Go Municipalities

TABLE F.4 – TRANSPORTATION STUDIES

Location	Project Name	Funding Source/Responsible Part
Zelienople Borough, Jackson Twp, Cranberry Twp	Zelienople/Jackson Twp./Cranberry Twp. Freight Route, Access, and Connectivity Assessment	UPWP/Request from SPC or Butler County

TABLE F.5 – TRANSIT-RELATED PROJECTS

Location	Project Name	State or Local	Time Frame
Cranberry Twp	Cranberry Twp. Commuter Service Implementation Plan (between Cranberry and Pittsburgh)	State	Mid
Cranberry Twp	Cranberry Township Local Transit Implementation Plan	State	Mid
Cranberry Twp	Cranberry Twp. Park and Ride Location Study	State	Mid
City of Butler, Cranberry Twp	Transit Service Scenario: TRID (Transit Revitalization Investment District) – Cranberry Service	State/Local	Long

TABLE F.6 – PEDESTRIAN AND BICYCLE TRAILS/ENHANCEMENT PROJECTS

Location	Project Name	State or Local	Time Frame
City of Butler to Zelienople Borough	Connoquenessing Creek Water Trail (Butler to Zelienople)	State	Long

SPC's SmartMoves: Long Range Transportation Plan & Transportation Improvement Program (2019/2023)

The SPC Long Range Transportation Plan and Transportation Improvement Plan described the vision, goals, and projects. The identified projects are currently within fiscal capacity and are expected to be programmed within the next 25 years. For Cranberry Township, Jackson Township, Zelienople Borough, and Harmony Borough, the projects identified were:

- SR 19 Long-term (2035-2050) preventative maintenance along SR 19 from the Allegheny/Butler County line north to Zelienople in Cranberry and Jackson Townships, Butler County.
- SR 228 Long-term (2035-2050) Intersection improvements and widening of PA 228 to 4/5 lanes from SR 3019 (Pittsburgh Street) west to SR 3021 (Franklin Road) in Seven Fields Borough and Adams and Cranberry Townships, Butler County.
- SR 588 over Connoquenessing Creek Mid-term (2027-2034) preservation of structure.

The SPC plan also included a table of projects that are not within fiscal capacity. Projects related to transportation safety within Cranberry Township, Jackson Township, Zelienople Borough, and Harmony Borough were:

- SR 68 Improvements
- Cranberry Township Transit Hub
- Completing SR 228 Improvements

PennDOT's Pennsylvania Strategic Highway Safety Plan (2022)

PennDOT's Strategic Highway Safety Plan serves as a plan to reduce fatalities and serious injuries on Pennsylvania roadways. The plan has three priority emphasis areas, such as lane departure crashes, impaired driving, and vulnerable user safety (pedestrian safety). They also identified 15 other Safety Focus Areas (SFAs), which are:

- | | | |
|---|--|-----------------------------------|
| • Speeding and Aggressive Driving | • Commercial Vehicle Safety | • Traffic Records Data |
| • Vulnerable User Safety (Bicyclist Safety) | • Emergency Medical Services (EMS) | • Mature Driver Safety |
| • Transportation Systems Management and Operations (TSMO) | • Vulnerable User Safety (Motorcycle Safety) | • Young and Inexperienced Drivers |
| • Distracted Driving | • Intersection Safety | • Work Zone Safety |
| • Seat Belt Usage | • Vehicle-Train Safety | • Local Road Safety |

For each focus area, strategies and action items are identified. The leading organization and category for which the action items fall in are also identified. The categories are as follows:

- Engineering (highway planning, design, construction, operations, and maintenance)
- Education (driver training, citizen advocacy groups, educator, prevention specialists)
- Enforcement (high-visibility enforcement, state and local police agencies, targeted enforcement programs)
- Emergency Medical Services (first responders, paramedics, fire, and rescue)
- Engagement (marketing campaigns, partnerships, communication, public outreach, media events)
- Emerging Technology (data analysis, vehicle and infrastructure technology, specialized equipment, tech-based solutions, ITS)
- Enact Legislation (special interest communities, legislative representatives and staff, new/proposed safety laws)

PennDOT's Active Transportation Plan (2019)

PennDOT's Active Transportation Plan outlines six major themes and provides specific goals and actionable objectives for advancing active transportation in Pennsylvania. One of PennDOT's major themes in their active transportation plan is to enhance safety for nonmotorized users. Within the document, there are four specific strategies to improve safety. They are as follows:

1. Increase PennDOT capacity to plan, design, construct, and maintain active transportation facilities that support and encourage users of all ages and abilities.
2. Improve PennDOT processes to ensure the needs of bicyclists and pedestrians are adequately identified during scoping and included in design for all project types.
3. Implement additional education and enforcement programs to reduce crashes and provide a better sense of security for people who walk and bicycle.
4. Improve policies and practices for maintaining access for people who walk and bicycle during construction and maintenance projects.

PennDOT's 2045 Long Range Transportation Plan

The PennDOT's Long Range Transportation Plan explains the context of the plan, existing conditions, strategic directions, and how it will be implemented. Regarding strategic directions, one of the Long Range Transportation Plan goals is to enhance safety and security for both motorized and non-motorized modes throughout Pennsylvania's transportation system. The safety objectives are as follows:

- Continue to promote behavioral change through existing educational initiatives with partners and stakeholders that encourage safe habits for users of all modes.
- Reduce the rate and frequency of fatal and serious injury crashes for all modes of travel.
- Expand the collection of transportation safety data and explore funding sources for safety and data analysis for use in systemwide planning, programming, project development, and project delivery.
- Strengthen security across transportation modes in collaboration with public and private stakeholders.

SPC 2025-2028 TIP, PennDOT 2025-2036 TYP

The SPC TIP (2025-2028) and PennDOT TYP (2025-2036) show the following projects within Cranberry Township, Jackson Township, Zelienople Borough, and Harmony Borough in **Table F.7. Table F.8** shows one project that was not on the TIP that is on the TYP.

TABLE F.7 – TIP AND TYP PROJECTS

Township	Location	Project Name	Description	Status
Zelienople Borough	Existing at-grade crossing of the Buffalo and Pittsburgh Railroad on SR 288 and Liberty and Spring Streets.	Zelienople Railroad Corridor	Railroad warning devices and gates	Future Development
Zelienople Borough	Existing structure carrying SR 19 over the CNX Railroad and Connoquenessing Creek	Zelienople Bridge #1 Late	Bridge preservation activities	Under Construction
Cranberry Township	SR 3022 between Haine School Road and Thomson Park Drive	SR 3022 Rochester Road Widening	Alternatives analysis for five lanes	Future Development
Cranberry Township	SR 3020 between Haine School Road and Commonwealth Drive	SR 3020	New highway and turning lanes, service and access roads, highway realignment, safety improvements, and other miscellaneous construction	Completed
Cranberry Township	SR 228 from SR 3019 to SR 3021	Mars RR Bridge West Expansion	Widening to 4/5 lanes and intersection improvements	Under Construction
Cranberry Township	SR 3021 from SR 228 to T-307 (Peters Road)	10-2 SR 3021 Corridor Improvement	Safety improvement project that includes shoulder widening, installation of edge-line rumble strips, and sight distance improvements	Under Construction
Zelienople Borough	SR 288 over Connoquenessing Creek	Butler Latex Group Bridge	Bridge preservation	Future Development
Cranberry Township, Jackson Township	I-79 over SR 68, SR 528 over I-79, Rowan Road over I-79, I-79 SB Off-Ramp and On-Ramp over I-79	Butler Co. Department Force Bridge Priority Maintenance	Bridge rehabilitation	Other

Cranberry Township	I-79 NB and SB from the Allegheny County Line north to near Boundary Road	I-79 Cranberry South	Resurfacing, full-depth concrete patching, and minor drainage and guide rail improvements	Under Construction
Cranberry Township, Jackson Township, Harmony Borough	I-79 NB and SB from the Allegheny/Butler County line north to the Jackson/Lancaster Township line.	I-79 Southern Section Reconstruction	Reconstruction, widening, add third lane (portion of project only). Removal of bituminous/concrete surface, widening, add lane, subgrade, subbase, concrete restoration, drainage and guide rail upgrades.	Other

TABLE F.8 – TYP PROJECT NOT INCLUDED ON TIP

Township	Location	Project Name	Description	Status
Cranberry Township	U.S. 19 over Coal Run	U.S. 19 over Coal Run	Bridge replacement	Future Development