

## PROJECT REQUEST FORM

1) Project Name:	<b>SR 550 (Halfmoon/Patton) Safety Improvements</b>		
2) Project Location:	<b>Patton Township &amp; Halfmoon Township</b>		
3) Applicant:	<b>Patton Township</b>		
4) Contact Person:	<b>Brent Brubaker</b>		
5) Phone:	<b>814-234-0271</b>		
6) Fax:	<b>814-238-7790</b>		
7) Email:	<a href="mailto:bbrubaker@twp.patton.pa.us">bbrubaker@twp.patton.pa.us</a>		
8) Mailing Address:	<b>100 Patton Plaza</b>		
9) City:	<b>State College</b>	10) Zip Code:	<b>16803</b>

<b>11) Project Type (please check only one):</b>		
A) Bicycle/Pedestrian Facility		Route #:
B) Bridge - Local System		Route #:
C) Bridge - State System		Route #:
D) Highway	<b>X</b>	Route #: <b>SR 550</b>
E) Public Transportation		Route:
F) Rail		Line:
G) Other		

<b>12) Please attach a location map and photo(s).</b> <i>*8.5 x 11 maps are preferred and please submit no more than 3 photos*</i>
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<b>13) Please provide a brief (one or two sentence) description of the project :</b> <b>This project consists of the reconstruction of horizontal curves, vertical curves, possible turning lane construction, widening and sight distance improvements at various points along the entire length of SR 0550. Also consists of the reconstruction of the intersection with SR 0322.</b>
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<b>14) Please describe the project being requested, specifically what issues/problems are present and how this project will improve conditions:</b> <b>SR 0550 is a major connector road into the Centre Region from western portions of Patton Township and a significant portion of Halfmoon Township. Most motorists are utilizing SR 0550 for destinations along Science Park Road or I-99. Improving the geometric and safety standards of SR 0550 will encourage motorists to access these locations via SR 0322 in lieu of cutting through smaller local roads which impact residential neighborhoods. Traffic volume along SR 0550 is predicted to increase over time as Patton Township and Halfmoon Township has been presented various preliminary land development plans that shows a concentrated growth along SR 0550.</b>
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## SAFETY & SECURITY

Do you believe this project will:

15) Reduce crash rate?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i> <b>Improving the access/intersection of SR 0550 and SR 0322 will reduce the number of reportable and non-reportable crashes at this intersection. Although I-99 has reduced the traffic volume at this intersection safety improvements at this intersection will aid in reducing crash during peak periods.</b>			

16) Reduce conflicts between motorized and non-motorized transportation modes (Pedestrian/Bicycle/Buggy)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain and note if a pedestrian/bicycle/buggy amenity will be maintained or added as part of the project:</i>			

17) Improve intersection(s) and/or roadway alignment(s)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain and note the intersection(s) that will affected:</i> <b>SR 0550 was designed and constructed years ago when traffic volumes and roadway classifications were at different levels. Due to the increase in these characteristics some of the vertical, horizontal, and roadway alignment standards should be improved.</b>			

18) Improve the security of the traveling public (Ex. Improves upon incident response, establishes detour/evacuation routes, implements security features on public transportation vehicles and facilities)?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i> <b>As discussed earlier, SR 0550 is the only access to this portion of the County. Safety improvements as discussed would improve response time and security for emergency vehicles as well as police. Providing a safe, reliable high volume route into and out of the Centre Region would also make this a viable detour and evacuation route in case of I-99 closure.</b>			

## PRESERVATION OF THE EXISTING TRANSPORTATION SYSTEM

Do you believe this project will:

19) Prolong the useful life of the transportation system and infrastructure through reconstruction, rehabilitation and preventative maintenance?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			
20) Rehabilitate and modernize public transportation facilities or fleet?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			
21) Improve ride quality?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain and provide current International Roughness Index:</i> <b>The ride quality would be improved by providing wider lanes and smoother curves to maneuver. The ride quality for portions of SR 0550 range from good to poor based upon the posted speed limits.</b>			

## EFFICIENT SYSTEM MANAGEMENT & OPERATION

Do you believe this project will:

<b>22) Reduce congestion, improve Level of Service and reduce travel times within the project area?</b>	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain and note how this project may impact adjacent routes/travel patterns:</i> <b>Improving SR 0550 as discussed would encourage motorists to utilize this route to destination points in lieu of Meeks Lane/Grays Woods Boulevard in Patton Township. Meeks Lane and Gray's Woods Boulevard are constructed to local road standards and are not intended to be used as commuter roadways. Limiting these Township roadways to collectors will allow residents safe access to the higher standard commuter routes as they travel to the intended destination.</b>			

<b>23) Increase public transportation service frequency and capacity?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

<b>24) Improve system functionality through improvements such as signal upgrades, Intelligent Transportation System applications and access management approaches?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

## INTEGRATION & CONNECTIVITY OF THE TRANSPORTATION SYSTEM

Do you believe this project will:

25) Eliminate/overcome barriers (Ex. Closures, detours & delays, weight restrictions) in key corridors?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain and note official detour distances based on factors such as weight restrictions:</i>			

26) Establish/maintain intermodal connections?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

27) Introduce new connections between existing travel patterns (Ex. Street connectivity, linking bicycle/pedestrian routes, connections between transit routes and providers)?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

28) Align residents with their destinations?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i> <b>Safety improvements along SR 0550 would encourage motorists to continue to utilize the SR 0550/SR 0322 travel path to provide them with the fastest and safest route to the primary destinations.</b>			

## ACCESSIBILITY & MOBILITY OPTIONS FOR PEOPLE & FREIGHT

Do you believe this project will:

29) Improve public transportation services: routes, ride share opportunities, vanpools, and park & ride lots?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain and include projected ridership:</i>			
30) Improve pedestrian and bicycle facilities?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			
31) Improve access to airports, freight distribution facilities or major industrial districts?	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			
32) Implement Complete Streets principles?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i> <b>Complete Street principles include increasing the safety of roadways to accommodate all types of users.</b>			

## CONSISTENCY WITH PLANNED GROWTH & DEVELOPMENT AREAS

Do you believe this project will:

<b>33) Be consistent with the following documents?</b>			
A) County Comprehensive Plan	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
B) Regional Comprehensive Plan	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
C) Municipal Comprehensive Plan	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
D) Municipal Zoning Ordinance	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
E) Municipal Official Map	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
<p><i>If yes to any of the above, please explain:</i> <b>These plans identify SR 0550 as being a major connector road for access into the urbanized areas form this part of Centre County.</b></p>			

34) Improve/support the existing transportation infrastructure in existing & planned growth areas?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
<p><i>If yes, please explain:</i> <b>Halfmoon as well as Patton Township has reviewed preliminary planning documents from developers along the SR 0550 corridor that would show significant growth within this part of the Centre Region. Halfmoon Township has been working on a new zoning district that would allow for increased densities along this corridor.</b></p>			

35) Promotes Smart Growth Principles (Ex. walkable communities, fosters distinct communities & sense of place, supports integration of mixed land uses into communities)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
<p><i>If yes, please explain:</i></p>			

36) Avoid negative impacts on communities and the environment?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
<p><i>If yes, please explain:</i></p>			

## ENVIRONMENT & AIR QUALITY CONFORMITY

Do you believe this project will:

<b>37) Improve air quality</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

<b>38) Promote energy conservation?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

<b>39) Avoid impacts on endangered or threatened species, key natural habitats, agricultural lands and historic &amp; cultural resources?</b>	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
<i>If yes, please explain:</i>			

<b>40) Avoid impacts upon water resources (Ex. water recharge areas &amp; exceptional value/high quality streams?)</b>	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> N/A
<i>If yes, please explain and note which water resources may be affected:</i>			

## **ECONOMIC VITALITY**

Do you believe this project will:

<b>41) Improve access and/or enhance freight movement to regional &amp; national economic centers?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

<b>42) Encourage tourism?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

<b>43) Encourage infill development, the redevelopment of brownfield sites within reach of existing infrastructure &amp; the overall redevelopment of core communities?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>If yes, please explain:</i>			

## PRIORITY

<b>44) Is this your highest priority (#1) project?</b>	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> N/A
<i>Highest priority projects will be granted a half-point (0.5) bonus. Entities requesting projects may submit only one highest priority project.</i>			

<b>45) If this is not your #1 priority, what rank did you assign this project?</b>	<b>Number 4 Priority</b>
<i>Municipalities may submit as many projects as they wish. The CCMPO requests that you rank all of your candidate projects.</i>	

## COST

<b>46) What is the total estimated cost?</b>	<b>\$7,000,000</b>
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<b>47) What is the cost by project phase, if known?</b>	
A) Preliminary Engineering	
B) Final Design	
C) Utilities	
D) Right of Way	
E) Construction	

# Buffalo Run Road Improvements

