

Request for Research Funding for FY 2019-2020

Requesting Office	Construction	Priority	1 of 1
Proposed Title	Temporary Low Profile Barrier (LPB) Enhancements		
Justification	There is a limited application of the current Standard. Enhancements for transitions to other barrier types and crash cushions would allow for more economical and useable systems.		
Impact	<p>This will allow for the use of LPBs in low speed urban areas where we want to improve sight distance in work zones. In addition, this will allow for broader usage when space is limited and will provide a crashworthy alternative.</p> <p>Without the research, the Department will continue to have limited options for deployment or installation configurations that have not been fully vetted for crashworthiness.</p>		
Affected Offices	Construction and Design		
Existing Work	The LPB is an FDOT specific design and therefore no other research exists.		
Keywords Used In Existing Work Search (Cannot leave blank)	Temporary Low Profile Barrier		
Related Contracts (Give contract numbers)	BD545-06, BD545-33 and BC976		
Funding Request	\$350K	Anticipated Duration	18 – 24 months
Project Manager	Daniel Strickland	Contracting Method	RFP to universities only or direct contract with University of Florida
Urgency	3	This is a desired enhancement, but would have immediate benefits.	
Implementability	1	Favorable results would be implemented.	
Project Benefits (Succinct, complete explanation)			
<p>Research would provide enhancements to existing LPBs to allow for transitions to other barrier types and to crash cushions, which currently this product does not provide for. These enhancements would provide several work zone safety benefits such as; crashworthy end treatments in areas with limited space, and transitions from high speed (TL-3) applications to low speed (TL-2) applications.</p>			
Project Benefits (Select all that apply and explain)	Quantifiable Benefits (units, dollars, etc...if applicable)	Methodology or Data Sources Used to Determine Quantifiable Benefits. If not applicable, please give justification of project benefits	

○ Materials Enhancement		
○ Materials Savings		
○ Time Savings		
○ Lives Saved/Injuries Prevented		
○ Other (Explain)		

*Comments should explain and support urgency, financial benefit, and implementability scores