



# **2020 STP CALL FOR PROJECTS**

## **MCHENRY COUNTY COUNCIL OF MAYORS**

### **2021-2025 APPLICATION**

# 2020 STP Project Application

## McHenry County Council of Mayors

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**All sections must be completed unless otherwise indicated.**

**Please fill out the following:**

**1. Sponsor Agency Information**

<b>Application Date</b>			
<b>Sponsor Agency</b>			
<b>Local Agency Contact</b>	Name		Title
	Phone		Email
<b>Local Agency Contact Address</b>			
<b>Local Agency Codes</b>	TIN		GATA Registration
	DUNS		SAM Cage Code

**2. Manager Information**

Technical Project Manager and Financial Project Manager should be different people unless the Technical Project Manager has a direct role in developing the sponsor’s budget and/or securing local funding. Please see methodology for more information on Designated Project Managers.

<b>Technical Project Manager</b>	<b>Name</b>		<b>Title</b>
	<b>Phone</b>		<b>Email</b>
<b>Financial Project Manager</b>	<b>Name</b>		<b>Title</b>
	<b>Phone</b>		<b>Email</b>
<b>Consultant Firm Name</b>			<b>Phase</b>
<b>Consultant Project Manager</b>	<b>Name</b>		<b>Title</b>
	<b>Phone</b>		<b>Email</b>

### 3. Project Information

<b>Project Title</b>				
<b>Project Description</b>				
<b>Project Type</b>	Intersection Channelization	Traffic Signals, Modification or Modernization		
	Roadway Widening	Bicycle or Pedestrian Facilities		
	New Roadway Construction	Modern Roundabout*		
	Roadway Reconstruction	Resurfacing		
<b>Municipality/Township</b>				
<b>Route Name</b>				
<b>Length (miles)</b>				
<b>Project Limits</b>	From		To	
<b>Logical Termini</b>	From		To	
<a href="#"><u>Functional Classification</u></a>				
<b>FAU Route Number</b>				
<b>Federal Congressional District(s)</b>				
<b>IL Representative District(s)</b>				

\*including mini roundabouts

### 4. Funding Information

Phase	Federal Fiscal Year (Oct 1 - Sept 30)	Cohort Four - Toll Credits	Requested Federal Funds	Local Funds	Non-Participating Costs	Total Cost
Phase 1 Engineering						
Phase 2 Design						
ROW Acquisition						
Construction						
Construction Engineering						
Description of non-participating items						
<b>Will additional outside funding be required to complete the project?</b>					<b>Yes</b>	<b>No</b>

## 5. Project Schedule Information

	Milestone	Completed?	Date Estimated/Completed
<b>Phase I</b>	Phase I Engineering Contract Executed		
	IDOT Phase I Engineering Kick-off Meeting		
	Submit Draft Phase I Engineering Project Development Review (PDR) to IDOT		
	Submit Final PDR		
	Phase I Engineering Approval Received from IDOT		
<b>Phase II</b>	Start date for Phase II Qualification Based Selection (QBS) Process*		
	End Date for Phase II QBS Process		
	Submit Draft Local Agency Agreement for Phase II Engineering (BLR 5310)		
	Phase II Engineering Contract Executed by IDOT* OR Phase II Engineering Contract Executed		
	IDOT Approved and Executed Local Agency Agreement (BLR 5310) for Phase II Engineering*		
	IDOT Phase II Engineering Kick-off Meeting		
	Submit Pre-Final Plans w/Estimates to IDOT		
<b>Phase III</b>	Start Date for Phase III QBS Process*		
	End Date for Phase III QBS Process*		
	Submit Draft Local Agency Agreement for Phase III Engineering (BLR 5310)		
	IDOT Approved and Executed Local Agency Agreement (BLR 5310) for Construction and Phase III Engineering*		
	Submit Final Plans, Spec., & Estimates (PS&E) to IDOT		
	ROW Certification by IDOT		
	Target Letting Date		
	Last Approved PPI Form		

\*Required if using federal funds for this Phase

## 6. Project Scoring

NOTE: Some of these fields will be filled in by the Planning Liaison. They are indicated.

**Do not insert score. Please see Methodology for scoring breakdown.**

### Roadways and Intersections

Traffic Volume- Average Daily Traffic	15 points (max)						
Safety Need — Based on IDOT Safety Tiers (SRI)	0-12 points						
<b>Scored by the Planning Liaison</b>							
Safety Improvement — Based on maximum crash reduction factor associated with proposed project countermeasures	0-4 points						
<b>Please see page 6.</b>							
Pavement Condition — Based on Pavement Condition Testing done by CMAP (IRI, Cracking_Percent), rutting and faulting***	0-9 points						
<b>Scored by the Planning Liaison</b>							
Multi-modal Infrastructure Components	14 points (max)						
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">Multi-use path</td> <td style="width: 33%;">On-street bike lanes</td> <td style="width: 33%;">New bus shelters</td> </tr> <tr> <td>Marked shared lanes</td> <td>Sidewalk</td> <td></td> </tr> </table>	Multi-use path	On-street bike lanes	New bus shelters	Marked shared lanes	Sidewalk		
Multi-use path	On-street bike lanes	New bus shelters					
Marked shared lanes	Sidewalk						
Project Readiness (if you have pre-finals, please submit with application)	0-15 points						
Community Cohort — McHenry County is Community Cohort 1	0-6 points						
ON TO 2050 Planning Measures	0-25 points						
Project sponsor has adopted a Complete Streets Policy or ordinance*							
Project uses green infrastructure to manage stormwater**							
<b>Total:</b>	<b>/100</b>						

\*Please provide a link here or attach PDF to application.

Link:

\*\*Green infrastructure may include the following:

- Permeable pavement/pavers
- Bioswales
- Planter boxes
- Addition of street trees or native plants

\*\*\*Please see page 6 for more information

# Resurfacing Projects

Traffic Volume- Average Daily Traffic	15 points (max)
<b>Scored by the Planning Liaison.</b>	
Safety Need — Based on IDOT Safety Tiers (SRI)	0-8 points
<b>Scored by the Planning Liaison.</b>	
Pavement Condition — Based on Pavement Condition Testing done by CMAP (IRI, Cracking_Percent), rutting and faulting***	0-30 points
<b>Scored by the Planning Liaison.</b>	
Bicycle Accommodations	0-6 points
Project adds or includes bicycle facilities such as bike lanes, widened shoulders, or other bicycle safety measures.	
Project Readiness (if you have pre-finals, please submit with application)	0-15 points
<b>Scored by the Planning Liaison.</b>	
Community Cohort — McHenry County is Community Cohort 1	0-6 points
<b>Scored by the Planning Liaison.</b>	
ON TO 2050 Planning Measures	0-25 points
Project sponsor has adopted a Complete Streets Policy or ordinance*	
Project uses green infrastructure to manage stormwater**	
<b>Total:</b>	<b>/100</b>

\*Please provide a link here or attach PDF to application.  
Link:

\*\*Green infrastructure may include the following:

- Permeable pavement/pavers
- Bioswales
- Planter boxes
- Addition of street trees or native plants

\*\*\*Please see Page 6 for more information

## 7. PCI Data

**IF THE APPLICANT BELIEVES THAT CMAP'S PCI DATA IS INACCURATE, THE FOLLOWING STEPS MUST BE COMPLETED TO SUBSTITUTE THE CMAP PAVEMENT DATA CONDITION SCORE:**

### 1. Narrative

Please provide information on why alternative data should be used in place of CMAP's PCI:

### 2. Submission

Attach substitute data. Include as much documentation as possible to support your claim. It can be attached to this PDF or submitted with the application via email. No late submissions will be accepted.

### 3. Scoring

If using alternate data, the scoring will be as follows (Please indicate which dataset you will be using by checking the box above the dataset):

	<b>CMAP PCI</b>	<b>PASER</b>	<b>CRS</b>	<b>R&amp;I Point Value</b>	<b>LAFO Point Value</b>
<b>Poor</b>	0-45	1-3	1.0-4.5	9	10
<b>Fair</b>	46-60	4-5	4.6-6.0	6	30
<b>Satisfactory</b>	61-75	6-7	6.1-7.5	3	20
<b>Excellent</b>	76-100	8-10	7.6-9.0	0	0

Should the Planning Liaison have any questions, you will be contacted. This does not invalidate your application or data, but follow up may be required.



## 8. Safety Improvement Information

Please indicate all applicable countermeasures.

<b>Intersection Improvement</b>			
Add left turn lane permissive	Add protected phase to left turn	Raised median	Add right turn lane
Add 2nd turn lane (to existing)	Extend turn bays	Positive left turn offset - 1 ft. Minimum	
<b>Improve signal timing</b>			
Signalization install adaptive traffic signal control	Signal interconnect	Increase yellow line	All red clearance
Signalization increase yellow interval and add all red interval			
<b>Improve Signal Placement Visibility</b>			
Increase to 12 inch lens	Improve visibility of signal heads	Add 3 inch yellow retroreflective sheeting to signal backplates	Install raised pavement markers and striping (through intersection)
Replace incandescent traffic signal bulbs with light emitting diodes (LEDs)	Add signal (additional primary head) - all lanes have signal	Add right turn lane on one approach signal Urban	Install mast arm
Improve intersection sight distance	Add pedestrian signal	Add bicyclist signal	Add ADA improvements
Improve pedestrian crossing-other	Change crosswalk striping width	Emergency vehicle traffic signal preemption	Allow RTOR
<b>Stop Control to Signal</b>			
Convert from yield signal control to signalized control	Convert minor stop to traffic signal- no left turn lane	Convert minor stop to traffic signal - with left turn lane	

<b>Stop Control (continued on next page)</b>			
Raised median for left turn at 4-way stop	Install median on the minor approach of an unsignalized 3-leg intersection	Install left turn lane (4-leg intersection) Minor stop	Convert to all-way stop control (from 2-way or yield control)
Install 2-way stop controlled intersections at uncontrolled Intersections	Minor stop add right turn lane on one approach minor-stop rural/urban	Minor stop add right turn lane on both approach minor-stop rural/urban	Replace left turns with right turn/U-turn combination
Provide flashing Beacons at stop Controlled intersections	2-way stop only: add left turn lane on both approach major road	All stop/minor stop add left turn lane on one approach major road	Install/upgrade larger or additional stop signs or other intersections warnings/regulatory signs
<b>General</b>			
Re-align segment/improve skew angle- 4 leg intersections	Convert signal to roundabout	Convert all-way stop controlled intersection to roundabout	Convert minor road stop intersection to roundabout
Signing-install advance street name signs	Simplified information- sign Reduction	Install/upgrade signs with new fluorescent sheeting (regulatory or warning)	Divert traffic from High pedestrian areas
Lane channelization-other		Add intersection lighting	
<b>Medians</b>			
Install steel median barrier-multi-divided 4-8 lanes	Median treatments - Provide a raised median- 2 lane At location with Access issues	Median treatments - Provide a raised median-multi-undivided at location with access issues	Significantly improve median
General-install median		Add glare screen in median	

**General (continued on next page)**

Add bike lane	Improve bike lane	Add sidewalk	Improve access Management
Install pedestrian bump-outs/ curb extensions	Install centerline rumble strips/ stripes	Install edge line rumble strips/ stripes	Install edge lines and centerlines (much improved where high crash area) or increase 4 to 6 in.
Install dynamic/ Variable speed automated-dynamic speed feedback warning signs	Install delineators, reflectors, and/or object markers	Curves- install advance curve speed/warning signs	Install chevron sign on horizontal curves
Increased pavement friction-safety improved where applied	Install curve advance warning signs (flashing beacon)	Improve curve Super elevation	Signing-install Advance street name signs
Improve RR crossing	Convert 2-lane roadway to 4-lane divided roadway urban	Convert 2-lane roadway to 4-lane divided roadway rural	Reduce driveway density by 5 driveways per mile*urban (factor up to 20)
Install lighting on a roadway segment	Install steel guardrail barrier	Install cable barrier in median	Install crash cushions
Install concrete guardrail barrier			
<b>Shoulder improvements</b>			
Add shoulder where not provided (0-4")	Add shoulder where not provided (4" or greater)	Pave existing shoulder	Prohibit on-street parking
Flatten sideslopes	Install guardrail	Apply smart edge	
<b>Change lane width</b>			
Widen lanes 11 to 12 feet	Widen lanes 10 to 11 feet	Widen lanes 10 to 12 feet	Add lanes by narrowing existing lanes - 6 lane freeway
Add lanes by narrowing existing lanes - multi-lane 4 lanes		Convert 2 lane roadway to 4 lane divided roadway	

<b>Road Diet</b>			
Install TWLTL (two-lane left turn lane) on two lane road	Road diet convert 4 lane undivided road to 2 lanes plus turning lane	Remove through lane- 4 lane to 3 lane road diet Small urban area	Remove through lane -4 lane to 3 lane road diet Larger urban area
Non-freeway: four to five lane conversion (TWLTL)	Convert from two-way traffic to one-way traffic		

## 9. Work Type Codes

CONTINUED ON PAGES 12-14

This does NOT count towards the score, but is still required.

Work Type	Code	MME Code	Project Type	Exempt Status
<b>Bicycle</b>				
Bicycle Parking	E-BIKEPARK	Modernization	Bicycle	EXEMPT
Improve Bicycle Facility	E-BIKEIMP	Modernization	Bicycle	EXEMPT
Improve Shared Path Facility	E-SHAREDMODERN	Modernization	Bicycle	EXEMPT
Maintain Bicycle Facility	E-BIKEMAINT	Maintenance	Bicycle	EXEMPT
Maintain Shared Use Path	E-SHAREDMAINT	Maintenance	Bicycle	EXEMPT
New Bicycle Facility	E-BIKENEW	Expansion	Bicycle	EXEMPT
New Shared Use Path	E-SHAREDNEW	Expansion	Bicycle	EXEMPT
<b>Bridge Deck</b>				
Full Depth Patching	B-PCHF	Maintenance	Highway	EXEMPT
Hydro-demolition	B-HYD	Maintenance	Highway	EXEMPT
Overlay	B-OVR	Maintenance	Highway	EXEMPT
Partial Depth Patching	C-PCHP	Maintenance	Highway	EXEMPT
Repair/Rehab	B-DECK	Maintenance	Highway	EXEMPT
<b>Bridge Structure</b>				
New	B-NEW	Expansion	Highway	NOT EXEMPT
Paint	B-PNT	Maintenance	Highway	EXEMPT
Reconst/Rehab Chng in Lane Use/Widths	B-RECENFG	Modernization	Highway	EXEMPT TESTED
Reconst/Rehab No Chng in #, Wdth or Lane	B-REPAIR	Maintenance	Highway	EXEMPT
Replace	B-REPLACE	Modernization	Highway	EXEMPT
Repair/Rehab	B-SUB	Maintenance	Highway	EXEMPT

<b>Work Type</b>	<b>Code</b>	<b>MME Code</b>	<b>Project Type</b>	<b>Exempt Status</b>
<b>Highway/Road</b>				
<b>Add Lanes</b>	H-AL	Expansion	Highway	NOT EXEMPT
<b>Continuous Bi-directional Turn Lanes</b>	H-CLTL	Modernization	Highway	EXEMPT TESTED
<b>Corridor Improvement</b>	H-COR		Highway	NOT EXEMPT
<b>Curb and Gutter</b>	H-C/G	Maintenance	Highway	EXEMPT
<b>Directional/Informational Signs</b>	H-INFO	Modernization	Highway	EXEMPT
<b>Extend Road</b>	H-EXT	Expansion	Highway	NOT EXEMPT
<b>HOT 3+ Lanes</b>	H-HOT3	Modernization	Highway	NOT EXEMPT
<b>HOV Lanes</b>	H-HOV	Modernization	Highway	NOT EXEMPT
<b>Intersection Improvement</b>	H-INTIMP	Modernization	Highway	EXEMPT
<b>Intersection Reconstruction</b>	H-INTRC	Maintenance	Highway	EXEMPT
<b>New Road</b>	H-NEW	Expansion	Highway	NOT EXEMPT
<b>Noise Attenuation</b>	E-NOIS	Modernization	Highway	EXEMPT
<b>Pavement Patching</b>	H-PATCH	Maintenance	Highway	EXEMPT
<b>Railroad Grade Separation</b>	H-RRGS	Modernization	Highway	NOT EXEMPT
<b>Reconst. With Change in Use or Width of Lane</b>	H-RCNST	Modernization	Highway	EXEMPT TESTED
<b>Reconstruct in Kind</b>	H-RCINKND	Maintenance	Highway	EXEMPT
<b>Remove Lanes</b>	H-RL	Modernization	Highway	NOT EXEMPT
<b>Repair/Replace Culvert</b>	H-CLVT	Maintenance	Highway	EXEMPT
<b>Resurface (with no lane widening)</b>	H-RS	Maintenance	Highway	EXEMPT
<b>Roundabout</b>	H-RAB	Modernization	Highway	EXEMPT
<b>Utility Relocation</b>	H-UTIL		Highway	EXEMPT
<b>Vertical/Horizontal Alignment (e.g. Clearance)</b>	H-ALIGN	Modernization	Highway	EXEMPT
<b>Widen Lanes and Resurface</b>	H-WRS	Modernization	Highway	EXEMPT

Work Type		Code	MME Code	Project Type	Exempt Status
<b>Interchange</b>					
	<b>Expand</b>	I-EXP	Expansion	Highway	NOT EXEMPT
	<b>New</b>	I-NEW	Expansion	Highway	NOT EXEMPT
	<b>Reconstruction</b>	I-RCNST	Modernization	Highway	EXEMPT
<b>Miscellaneous</b>					
	<b>Exempt Projects</b>	Z-OTHEX		Other	EXEMPT
	<b>Exempt Tested Projects</b>	Z-OTHXTST		Other	EXEMPT TESTED
	<b>Project Types Not Listed</b>	Z-OTH		Other	NOT EXEMPT
<b>Other</b>					
	<b>Enhancement - Landscaping</b>	E-LS	Modernization	Other	EXEMPT
	<b>Historic Preservation</b>	E-HIS	Maintenance	Other	EXEMPT
	<b>Safe Routes to School</b>	E-SRTS	Modernization	Other	EXEMPT
	<b>Travel Demand Management</b>	E-MODE	Modernization	Other	EXEMPT
<b>Pedestrian</b>					
	<b>Improve ADA Infrastructure</b>	E-ADAIMP	Modernization	Pedestrian	EXEMPT
	<b>Improve Pedestrian Facility</b>	E-PEDIMP	Modernization	Pedestrian	EXEMPT
	<b>Maintain Pedestrian Facility</b>	E-PEDMAINT	Maintenance	Pedestrian	EXEMPT
	<b>Maintain/Repair ADA Infrastructure</b>	E-ADAMAINT	Maintenance	Pedestrian	EXEMPT
	<b>New ADA Infrastructure</b>	E-ADANEW	Expansion	Pedestrian	EXEMPT
	<b>New Pedestrian Facility</b>	E-PEDNEW	Expansion	Pedestrian	EXEMPT

Work Type		Code	MME Code	Project Type	Exempt Status
<b>Safety</b>					
	<b>Barriers</b>	A-BAR	Modernization	Highway	EXEMPT
	<b>Beacons</b>	A-BEA	Modernization	Highway	EXEMPT
	<b>Guardrails</b>	A-GRD	Modernization	Highway	EXEMPT
	<b>Lighting</b>	A-LTS	Modernization	Highway	EXEMPT
	<b>Median Projects</b>	A-MED	Modernization	Highway	EXEMPT
	<b>Other</b>	A-OTH	Modernization	Highway	EXEMPT
	<b>Pavement Marking</b>	A-PMRK	Modernization	Highway	EXEMPT
	<b>Railroad Crossing Improvements</b>	A-RRXING	Modernization	Highway	EXEMPT
	<b>Shoulder Improvements</b>	A-SHDR	Modernization	Highway	EXEMPT
<b>Signals</b>					
	<b>Add Signals at Single Intersection</b>	S-ASNG	Modernization	Highway	EXEMPT
	<b>Interconnects and Timing</b>	S-TIM	Modernization	Highway	NOT EXEMPT
	<b>Modernization</b>	S-MOD	Modernization	Highway	EXEMPT
	<b>New Signals for Multiple Intersections</b>	S-NEW	Modernization	Highway	NOT EXEMPT
<b>Transit</b>					
	<b>ADA - Facility Improvements</b>	D-FAC	Modernization	Transit	EXEMPT