



# **2023-2027 SURFACE TRANSPORTATION PROGRAM APPLICATION**

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**JANUARY 13, 2022 - MARCH 18, 2022**

## PROJECT INFORMATION

PROJECT TITLE

PROJECT DESCRIPTION

PROJECT TYPE

WORK TYPE(S)

## PROJECT LOCATION

MUNICIPALITY

LOCAL NAME OF ROUTE

FROM

TO

PROJECT LENGTH (MILES)

See [Getting Around Illinois](#)

IDOT STATION NUMBER

IDOT STATION NUMBER

FUNCTIONAL CLASSIFICATION

FEDERAL CONGRESSIONAL DISTRICT(S)

ILLINOIS REPRESENTATIVE DISTRICT(S)

## **SPONSOR INFORMATION**

### **SPONSOR (LEAD) AGENCY**

**LOCAL AGENCY CONTACT  
NAME**

**TITLE**

**PHONE NUMBER**

**EMAIL**

**ADDRESS**

### **LOCAL AGENCY CODES**

**TIN**

**GATA REGISTRATION**

**DUNS**

**SAM CAGE CODE**

## **MANAGER INFORMATION**

### **TECHNICAL PROJECT MANAGER**

**NAME**

**TITLE**

**EMAIL**

**PHONE NUMBER**

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### **FINANCIAL PROJECT MANAGER**

**NAME**

**TITLE**

**EMAIL**

**PHONE NUMBER**

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**CONSULTANT FIRM NAME**

**PHASE**

### **CONSULTANT PROJECT MANAGER**

**NAME**

**TITLE**

**EMAIL**

**PHONE NUMBER**

# FUNDING INFORMATION

Please fill out the below table with funding information for the project. Please note the following:

- \$1,500,000 federal award cap for ALL PHASES. Federal funding amount should be less than or equal to cap.
- Toll Credits are for Cohort 4 only. Please put 'N/A' if community is not Cohort 4.
- Please include local funds for all phases, including ROW. ROW is not eligible for federal funding.
- Include a realistic and accurate timeline for all phases.
- Phase I federal funding is for resurfacing projects only. Do not request Phase I unless project is a resurfacing project.

Phase	Requested Federal Fiscal Year	Cohort 4 Toll Credits	Requested Funding Amount	Local Funds	Non-participating costs	Total Cost (all columns)
Phase I Preliminary Engineering RESURFACING ONLY						
Phase II Design Engineering						
Right of Way (ROW) Not eligible for federal funds						
Construction						
Construction Engineering						
Total requested federal award				Total cost of project		
Description of non-participating items						
Will outside funding be needed to complete the project?					Yes	No

# PROJECT MILESTONES

Please fill out the below table with project milestone information. Please fill out as much of this information as possible, in accordance with the funding information table. Dates do not have to be exact.

Phase	Milestone	Completed?	Date Estimated/Completed
<b>Pre-Phase I</b>	Project Scoping		
	Application for ENG 1 Funds		
	Phase I QBS Advertisement		
	Phase I QBS Closed		
	Consultant Selected by Local Council/Board		
<b>Phase I</b>	Phase I Contract Executed		
	IDOT Phase I Kick-off Meeting		
	State/Fed Coordination Meeting		
	ESR Submitted		
	PDR Submitted		
	PDR Approved		
	<b>Phase I Design Approval Received</b>		
<b>Phase II</b>	Application for ENG 2 Funds		
	Phase II QBS Advertisement		
	Phase II QBS Closed		
	Consultant Selected by Local Council/Board		
	Phase II Contract Executed		
	IDOT Phase II Kick-off Meeting		
	State/Fed Coordination Meeting		
	<b>Pre-Final Plans Ready to Submit or Submitted</b>		
	Final PS&E Submitted		
<b>ROW</b>	<b>None required</b>		
	Initiated		
	Completed		
	<b>Certified</b>		
<b>CON/CE</b>	Draft CON Agreement Submitted		
	Draft CE Agreement Submitted		
	Final CON Agreement Submitted		
	Final CE Agreement Submitted		
	Draft CON Agreement Approved		
	Draft CE Agreement Approved		
	<b>Target Letting</b>		

**Project category:**

**Roadway and Intersection Project**

**Resurfacing Project**

# PROJECT SCORING Roadway and Intersection Projects

## TRAFFIC VOLUME

15 points maximum

Please use IDOT's [Getting Around Illinois](#) map for AADT and fill it in below. **For projects with multiple segments or intersection projects, please attach a file with the weighted average for each segment for the whole project.** See below for an example.

Points are determined by the following equations: Two lane roads will be calculated by taking the **AADT/1000**  
Four lane roads will be calculated by taking the **AADT/2000**

	Beginning Station	End Station	Length (miles)	AADT	Length*AADT	
<b>SAMPLE</b> Traffic Volume	0.0	1.4	1.4	5000	7000	
	1.4	1.6	0.2	5200	1040	
	1.6	2	0.4	4800	1920	
	2	2.5	0.5	4900	2450	
	Sum			2.5		12410
	<b>Total</b>					<b>4964</b>
	<b>Score (2 lane)</b>					<b>4.96</b>

Traffic Volume (AADT)	
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## PAVEMENT CONDITION

0-13 points

No alternative data will be allowed. Please use [CMAP's Pavement Condition Index data](#). Submit using the table below as an example. Provide this in the form of attached PDF or Excel file. For projects that Email the Planning Liaison if the information is needed.

Scoring Criteria		Points
Pavement Condition Index	Poor (0-45)	13
	Fair (46-60)	9
	Satisfactory (61-75)	5
	Excellent (76-100)	0
	New alignment	5

**Sample** Pavement Condition calculation:

	Beginning Station	End Station	Length (miles)	PCI	Length*PCI	
Pavement Condition	0.0	1.4	1.4	50	70	
	1.4	1.6	0.2	60	12	
	1.6	2	0.4	30	12	
	2	2.5	0.5	40	20	
	Total			2.5		114
	<b>Score</b>					<b>45.6</b>

# SAFETY

0-20 points

Please indicate which countermeasures will be part of the project. Score will be determined by the highest CRF.

Scoring Criteria		Points
Crash Reduction Factor	50% or greater	20
	40-49%	15
	30-39%	10
	20-29%	7
	10-19%	3
	Under 10%	0

Category	Subcategory	Countermeasure	Yes/No
Intersections	Intersection Improvement	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	
	Improve Signal Timing	Signalization install adaptive traffic signal control	
		Signal interconnect	
		Increase yellow line	
		All red clearance	
		Signalization increase yellow interval and add all red interval	
	Improve Signal Placement Visibility	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 Right Turn On Red			



Category	Subcategory	Countermeasure	Yes/No
Intersections	Stop Control to Signal	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	
	Stop Control	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	
		General	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			
Road Segments	Medians	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	

Category	Subcategory	Countermeasure	Yes/No
Road Segments	General	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		
	Shoulder Improvements	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	
	Change Lane Width	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			

Category	Subcategory	Countermeasure	Yes/No
Road Segments	Road Diet	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	

## PROJECT READINESS

0-20 points

Indicate the last achieved milestone from the list below. Please provide the appropriate attachment for that milestone. The only attachment required is the one for the milestone indicated; no attachments are required for any previous milestones. Example: if Design Approval has been received, sponsor does not need to submit the required attachment for Phase I contract execution. **For project sponsors doing engineering without a consultant, please provide an attachment showing engineering is being done in house.** Email the Planning Liaison for more information.

Scoring Criteria		Points
Pre-final plans ready to submit to IDOT		20
Phase II contract executed	IDOT approval or NTP	16
Design Approval received	Provide signature page	12
Draft PDR submitted to IDOT	Copy of transmittal	8
Phase I contract executed*	IDOT approval or NTP	4
Project scoping	No attachment required	0

Status	Points

## PLANNING MEASURES

0-20 points

Addition of elements means adding elements to a project that did not exist prior to the project start. Examples include: new bike path or sidewalk, new bioswales.  
 Maintenance of elements means fixing or maintaining existing elements along the project length. Examples include: repairing an existing sidewalk or bike path, native landscaping maintenance

For examples of Complete Streets infrastructure, see this CMAP page: <https://www.cmap.illinois.gov/programs/local-ordinances-toolkits/complete-streets/treatments-types-gallery>.

Scoring Criteria		Yes/No	Points
Complete Streets	Adding complete streets elements		10
	Maintaining complete streets elements		5
Green Infrastructure	Adding green infrastructure elements		10
	Maintaining green infrastructure elements		5

# PARTNERSHIP

0-6 points

Project sponsor is working in partnership with another agency, including townships, transit agencies, other municipalities, the County, or others. To receive points, the partnering sponsor must be a financial partner.

Partnership	Municipality, township, transit agency, County or other is a financial partner for this project.		
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# CMAP COMMUNITY COHORTS

0-6 points

CMAP Community Cohorts evaluate need based on the following factors: population, median household income, tax base per capita, and percent of population located in an economically disconnected or disinvested area (EDA). Below are the Cohorts for MCCOM Members. See here for more information: [CMAP Community Cohorts Table](#). There is an additional component for population.

CMAP Community Cohorts	Cohort	Population	Points
	1	More than 8,000	0
	1	Fewer than 8,000	1
	2	More than 8,000	2
	2	Fewer than 8,000	3
	3	More than 8,000	4
	3	Fewer than 8,000	5
	4	More than 8,000	6
4	Fewer than 8,000	6	

Cohort	Population	Points

Municipality	Cohort	Population
Algonquin	1	30,897
Barrington Hills	1	4,190
Bull Valley	2	1,084
Cary	1	18,067
Crystal Lake	1	39,829
Fox River Grove	2	4,573
Greenwood	2	226
Harvard	4	9,060
Hebron	4	1,183
Holiday Hills	4	579
Huntley	1	27,228
Johnsburg	1	6,368
Lake in the Hills	1	28,634
Lakemoor	2	5,967
Lakewood	1	4,001

Municipality	Cohort	Population
Marengo	3	7,437
McCullom Lake	4	1,008
McHenry	1	27,061
Oakwood Hills	2	2,028
Port Barrington	2	1,488
Prairie Grove	1	1,931
Richmond	3	1,917
Ringwood	2	813
Spring Grove	1	5,706
Trout Valley	2	513
Union	2	553
Wonder Lake	2	3,882
Woodstock	2	25,240
McHenry County	1	307,774

# PROJECT SCORING Resurfacing Projects

## TRAFFIC VOLUME

15 points maximum

Please use IDOT's [Getting Around Illinois](#) map for AADT and fill it in below. **For projects with multiple segments or intersection projects, please attach a file with the weighted average for each segment for the whole project.** See below for an example.

Points are determined by the following equations: Two lane roads will be calculated by taking the **AADT/1000**  
 Four lane roads will be calculated by taking the **AADT/2000**

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<b>SAMPLE</b> Traffic Volume	0.0	1.4	1.4	5000	7000	
	1.4	1.6	0.2	5200	1040	
	1.6	2	0.4	4800	1920	
	2	2.5	0.5	4900	2450	
	Sum			2.5		12410
	<b>Total</b>					<b>4964</b>
	<b>Score (2 lane)</b>					<b>4.96</b>

Traffic Volume (AADT)	
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## PAVEMENT CONDITION

0-25 points

No alternative data will be allowed. Please use [CMAP's Pavement Condition Index data](#). Submit using the table below as an example. Provide this in the form of attached PDF or Excel file. For projects that Email the Planning Liaison if the information is needed.

Scoring Criteria		Points
Pavement Condition Index	Fair (26-55)	25
	Good (56-65)	17
	Poor (11-25)	9
	Excellent (65-100)	0
	Ineligible (0-10)	--

**Sample** Pavement Condition calculation:

	Beginning Station	End Station	Length (miles)	PCI	Length*PCI	
Pavement Condition	0.0	1.4	1.4	50	70	
	1.4	1.6	0.2	60	12	
	1.6	2	0.4	30	12	
	2	2.5	0.5	40	20	
	Total			2.5		114
	<b>Score</b>					<b>45.6</b>

# SAFETY

0-12 points

Please indicate which countermeasures will be part of the project. Score will be determined by the highest CRF.

Scoring Criteria			Points
Crash Reduction Factor	Restriping	Adding New Striping (not re-striping)	4
	Signage	30-39%	4
		20-29%	2
		10-19%	1
		Under 10%	0
	Other Measures	25-30%	4
		20-24%	2
		15-19%	1
		Under 15%	0

Category	Subcategory	Countermeasure	Yes/No
Intersections	Improve Signal Placement Visibility	Add ADA improvements	
		Improve pedestrian crossing-other	
		Change crosswalk striping width	
	Stop Control	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	
		Stop Control	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		
	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		

Category	Subcategory	Countermeasure	Yes/No
Road Segments	Medians	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	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)	
		Signing-install advance street name signs	
		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			

Category	Subcategory	Countermeasure	Yes/No
Road Segments	Shoulder Improvements	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	
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	Change Lane Width	Widen lanes 11 to 12 feet	
		Widen lanes 10 to 11 feet	
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		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	

## PROJECT READINESS

0-16 points

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	Maintaining complete streets elements		5
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	Maintaining green infrastructure elements		5

## PARTNERSHIP

0-6 points

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Ringwood	2	813
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Trout Valley	2	513
Union	2	553
Wonder Lake	2	3,882
Woodstock	2	25,240
McHenry County	1	307,774