**CMAP FY 2018-2022 CMAQ PROJECT APPLICATION**

**TRAFFIC FLOW IMPROVEMENTS - Emission Benefits Form**

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| **PROJECT EMISSIONS BENEFIT DATA** | | | Project Title: | | |
| Type of Project (Check All that Apply): | | | | | |
| Intersection Type:  Roundabout  Restricted Crossing U-Turn (J-Turn)  Median U-Turn  Diverging Diamond Interchange  Conventional | | Bottleneck Eliminations:  Highway-Rail Grade Separation  Two-Way Left Turn Lane  Realignment | | | Remove Obstruction  Vertical Clearance  Truck Route Improvement |
| Turn Lanes:  Add Dual Left Turn Lanes  Add Single Left Turn Lanes  Add Right Turn Lanes  Multiple Turn Lane Types | | Reconstruction:  Full Intersection Reconstruction  (existing signal)  Traditional Interchange  Reconstruction | | | Signals:  Signal Modernization  New Signalization |
| Project Length (Miles – Bottleneck Elimination And Multiple Intersections Only): \_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| Posted Speeds (Miles Per Hour For Each Street): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| Bi-Directional AADTs by Approach: | North Leg (North Approach): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; South Leg: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;  West Leg: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; East Leg: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;  Year: \_\_\_\_\_\_\_\_ | | | | |
| Do queues currently clear on the major street at signalized intersections in the pm peak period?  Yes  No | | | | | |
| Are the subject roadways included as part of the Congestion Management Process Highway System?  Yes  No | | | | | |
| Is the project location identified in IDOT’s 5% Safety Location report?  Yes  No  If “Yes” is checked, indicate in the project description how the project will address the safety issues. | | | | | |
| Will bicycle facilities be added as part of this project?  Yes  No  If “Yes” is checked, describethe bicycle facility in the project description providing details asked for on the bicycle facility application form. | | | | | |
| Travel Time Reliability Improvements (Check All that Apply to this Application – see p 9-10 of Information Booket) | | | | | |
| Systematic Improvements:  Integrated Corridor Management  Work zone management  Truck travel information systems  Strategies to improve transit on-time performance  Ramp metering  Road weather management systems  Special event management  Traffic signal interconnect  Adaptive signal control | | | Spot improvements:  Highway-rail grade separation (>10K AADT + >10K annual minutes of delay lasting >10 minutes)  Implementation of effective crash reduction strategy  Highway-rail grade separation in ICC top 20 delay list  Highway-rail grade separation (>5K AADT + >5K annual minutes of delays lasting > 10 minutes)  Access management strategy  Other highway-rail grade separation | | |
| Incident Detection:  Traffic Management Center (TMC)  Computer-aided dispatch  Real-time traffic surveillance  Integration of real-time probe data  Establishment of detector health prog | | Incident Response:  Expansion of response operations  Dispatch improvements  Response equipment | | Incident Recovery:  Expediting accident investigation process  Dynamic message signs  Incident-responsive ramp meters  Speed Management Systems  On-scene communication, coordination and cooperation  Development of highway closure detour routes | |
| **PROJECT DESCRIPTION** (Use this space to provide additional details on the project.) | | | | | |
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