

# **CITY OF ELMHURST**

209 NORTH YORK STREET ELMHURST, ILLINOIS 60126-2759 (630) 530-3000 www.elmhurst.org PETER "PETE" DICIANNI MAYOR PATTY SPENCER CITY CLERK DAVID DYER CITY TREASURER THOMAS P. BORCHERT CITY MANAGER

March 16, 2011

Holly Ostdick Chicago Metropolitan Agency for Planning 233 South Wacker Drive, Suite 800 Chicago, IL 60606

RE: Butterfield Road (IL Route 56) at York Street Intersection Improvements CMAP FY 2012-2016 CMAQ Project Application City of Elmhurst

Dear Ms. Ostdick:

The City of Elmhurst is pleased to submit the enclosed CMAQ funding application for the Butterfield Road at York Street Intersection Improvements. A new Integrated Health Campus is being constructed by Elmhurst Memorial Healthcare (EMHC) on the northwest corner of York Street and Brush Hill Road.

The new hospital is expected to generate considerable traffic that, together with the regional growth, will greatly increase delay at the intersection. The project will improve the flow of traffic at the intersection by adding two right turn lanes and lengthening one existing left turn lane. The improvements will reduce congestion, improve air quality and improve the quality of life for residents of DuPage County.

Thank you for your consideration. If you have any questions or need any additional information, please contact me at (630) 530-3777.

Very truly yours,

Coris Tibeis 1810000

Cori Tiberi City Engineer City of Elmhurst

Cc: Tam Kutzmark, DMMC Todd Bright, TranSystems

#### **Congestion Mitigation/Air Quality Improvement Program**

#### **Transportation Control Measure Committal Agreement**

#### One copy of this page must be completed and signed by each sponsor of proposed FY 2012-2016 CMAO projects.

The project sponsor certifies that it is willing and able to manage, maintain, and operate the project(s).

The project sponsor possesses legal authority to nominate the CMAQ project proposal(s) and to finance, acquire, and construct the proposed project(s); and by this committal agreement the sponsor authorizes the submittal of the CMAQ project(s), including all understanding and assurances contained therein, and authorizes the person identified as the project contact to act in connection with the proposal(s) and to provide such additional information as may be required.

The project sponsor will cause work on the project(s) to be commenced within a reasonable time after receipt of notification from the Chicago Metropolitan Agency for Planning that the project has been selected and that the project will be carried to completion with reasonable diligence.

Whereas the CMAQ program funds transportation control measures (TCM), the sponsor agrees that, if selected, the project(s) may be included as a TCM in the State Implementation Plan (SIP) for attaining the applicable national ambient air quality standards. Inclusion of CMAQ projects in the SIP will follow procedures established by the CMAQ Project Selection Committee. The sponsor will provide any tracking information required in a timely fashion.

Name: <u>MICHAEL J. Hurgric's</u> (Please print) Title: <u>Director Or Partic Works</u> (Please print)

(Signature)

**City of Elmhurst** Project Sponsor:

Date`

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# CMAP FY 2012-2016 CMAQ PROJECT APPLICATION FORM TRAFFIC FLOW IMPROVEMENTS

I. PROJECT IDENTIFICAT	TION									
PROJECT SPONSOR		CONTACT INFO	CONTACT INFORMATION – NAME, TITLE,							
City of Elmhurst		AGENCY, ADD	AGENCY, ADDRESS, PHONE, FAX,E-MAIL Cori Tiberi, PE, City Engineer City of Elmhurst							
OTHER AGENCIES PARTICIPA	ATING IN PROJEC	City of Elmhurst								
None			209 N. York Stre Elmhurst, IL 601	209 N. York Street Elmhurst, IL 60126						
TIP PROJECT ID, IF PROJECT	IS ALREADY IN 7	ГІР	— Phone: (630) 530 Email: cori tiberi	)-3777 / Fax: (630) 5: @elmburst.org	30-6403					
TBD			Eman: contriber	@emmurst.org						
II. PROJECT LOCATION Note: Projects not readily identified by location should provide a project title on the last line of the Project Location section										
NAME OF STREET OR FACILI Butterfield Road	TY TO BE IMPRO	OVED	MARKED F IL Route 56	ROUTE # (FAU 3545)						
PROJECT LIMITS: NORTH/WEST York Street	REFERENCE POINT/	CROSS ST/INTERSECTIO	N MARKED F FAU 2678	ROUTE # MUNICIP. Elmhurst,	ALITY & COUNTY DuPage County					
PROJECT LIMITS: SOUTH/EAST	REFERENCE POINT/C	ROSS ST/INTERSECTION	MARKED F	ROUTE # MUNICIP.	ALITY & COUNTY					
OTHER PROJECT LOCATION INFORMATION OR PROJECT TITLE Butterfield Road at York Street Intersection Improvements										
III. PROJECT FINANCING	& CMAQ FUN	IDING REQUEST	-							
		TOTAL PHASE	CMAQ FUNDS	OTHER FEDE	ERAL FUNDS					
	STARTING YEAR	COSTS (THOUSANDS)	REQUESTED	FUND TYPE	AMOUNT					
ENGINEERING PHASE 1	2012	\$140,000	\$ 112,000		\$					
ENGINEERING PHASE 2	2014	\$160,000	\$ 128,000		\$					
RIGHT-OF-WAY ACQUISITION	2014	\$ 437,400	\$ 349,920		\$					
CONSTRUCTION (INCLUDING CONST ENG)	2016	\$ 1,282,400	\$1,025,920		\$					
ENGINEERING (FOR IMPLEMENTATION PROJECTS)		\$	\$		\$					
IMPLEMENTATION		\$	\$		\$					
ALTERNATIVES ANALYSIS		\$	\$		\$					
TOTAL PI	ROJECT COSTS:	\$1,869,480	\$1,495,584							
SOURCE OF LOCAL MATCHIN	NG FUNDS:	City of Elmhurst Ger	neral Funds							
NOTE: IF SOFT MA	TCHING FUNDS	ARE INTENDED TO	BE USED, PLEASE	CONTACT CMAP S	STAFF.					
HAVE THE MATCHING FUND SECURED (PROVIDE DETAIL:	The matching funds will be included in the Capital Expenditure Budget that will be approved by the City Council in May 2011.									

# CMAP FY 2012-2016 CMAQ PROJECT APPLICATION FORM TRAFFIC FLOW IMPROVEMENTS – PAGE 2

IV. PROJECT EMISSIONS BENEFIT DATA

TYPE OF PROJECT (CHECK ONE) 🗵 INTERSECTION IMPROVEMENT 🛛 BOTTLENECK ELIMINATION

PROJECT LENGTH (MILES - BOTTLENECK ELIMINATION AND MULTIPLE INTERSECTIONS ONLY): NA

POSTED SPEEDS (MILES PER HOUR FOR EACH STREET):

Butterfield Road – 35mph; York Street 35mph

CURRENT TRAFFIC VOLUME FOR EACH STREET (ADT – INDICATE YEAR): Butterfield Road – 17,300 west leg (2009) & 12,900 east leg (2009); York Street – 19,500 (2008)

WILL PEDESTRIAN OR BICYCLE FACILITIES BE ADDED AS PART OF THIS PROJECT? Yes No If "Yes" is checked, complete the sections on pedestrian/bicycle facilities in the Project Scoping Report

DO QUEUES CURRENTLY CLEAR ON THE MAJOR STREET AT SIGNALIZED INTERSECTIONS IN THE PM PEAK PERIOD? Yes INO

V. PROGRAM MANAGEMENT INFORMATION

IS RIGHT-OF-WAY ACQUISITION REQUIRED FOR THIS PROJECT? IF SO, HAS RIGHT-OF-WAY BEEN ACQUIRED? YES □ NO
 YES ☑ NO

INDICATE THE STATUS OF THE PRELIMINARY DESIGN:

 $\Box$  N.A.  $\boxtimes$  Not Begun  $\Box$  Underway  $\Box$  Submitted  $\Box$  Approved

ESTIMATED COMPLETION YEAR: 2016

#### VI. PROJECT DESCRIPTION AND MAP

1. PLEASE DESCRIBE PROJECT. FOR OUTREACH, PROMOTION OR MARKETING EFFORTS GIVE SPECIFIC DETAILS OF THE CAMPAIGN. DESCRIBE THE COORDINATION OF THESE EFFORTS WITH RESPECT TO OTHER SUCH CAMPAIGNS (SEE SECTION I.6 ON PAGE 34 OF THE INSTRUCTIONS):

The project will improve the flow of traffic at the intersection by adding two right turn lanes and lengthening one existing left turn lane. Specifically, the addition of northbound and southbound right turn lanes will help accommodate the 290 right turning vehicles and 120 right turning vehicles, respectively, projected to make these movements for the 2011 PM Peak Hour. Additionally, lengthening the existing westbound left turn lane will allow it to better accommodate the 365 left turning vehicles projected to make the turn during the PM Peak Hour. See Exhibit B for Aerial Site Map and Proposed Roadway Improvements.

A new Integrated Health Campus is being constructed by Elmhurst Memorial Healthcare (EMHC) and is expected to generate considerable traffic that, together with the regional growth, will greatly increase delay at the intersection of Butterfield Road and York Street. See Exhibit 3 for Existing Traffic and Exhibit 7 for Development Traffic, both within Exhibit D. The development is located just south of the Butterfield/York intersection, on the northwest corner of York Street and Brush Hill Road. The Campus will include a new 259-bed Hospital Building (approximately 866,000 square feet) and Medical Office Buildings (MOB) up to 200,000 square feet to complement the existing Center for Health (CFH). The hospital expansion is currently under construction and is expected to open in summer 2011. In addition to the hospital expansion, the intersection of York Street with Brush Hill Road/Westbound IL Route 38 Exit Ramp is expected to be improved, such that it will allow southbound left turns, northbound right turns, and eastbound through movements to access westbound Illinois Route 38 at the intersection. The 2011 PM Peak traffic volumes at the intersection of Butterfield Road and York Street include some reallocation of traffic volumes to take into account the fact that this new ramp access will influence the travel patterns at this intersection as well.

The attached Capacity Analysis (Exhibit D) indicates that with the proposed improvements the intersection will operate at LOS C with an intersection delay of 29.4 seconds. Without the improvements, the intersection will operate at LOS E with an intersection delay of 68.7 seconds. The proposed improvements at the intersection of Butterfield Road and York Street will reduce congestion, improve air quality, improve safety, and ultimately improve the quality of life for residents of DuPage County.

2. PROJECT MAP. PLEASE ATTACH A MAP TO THE APPLICATION FORM. INFORMATION MUST BE SUFFICIENT TO ACCURATELY LOCATE THE PROJECT ON A LOCAL STREET MAP. HAND DRAWN MAPS OR MAPS PRODUCED BY GIS SYSTEMS ARE ACCEPTABLE. MAPS FROM TELEPHONE BOOKS WILL NOT BE ACCEPTED.

3.	Planning Liaison Reviewed	(see pp 20-22 of application book for your Liaison;
	applications are due to the Liaison by March 18, 2011)	
		11.1

□ Complete □ Missing information – must be completed before application will be processed

□ Missing information that will result in immediate rejection

# CMAQ FY 2012-2016 PROJECT SCOPING REPORT

FOR PROPOSED INTERSECTION IMPROVEMENTS, BOTTLENECK ELIMINATIONS, BICYCLE/PEDESTRIAN, AND COMMUTER PARKING FACILITY PROJECTS

FOR PROJECTS FOR WHICH A PROJECT DEVELOPMENT REPORT IS NOT NOW BEING REVIEWED

### PART I. OVERVIEW

COMMON ROUTE NAME: Butterfield Road	ROUTE MARKING: <u>IL 56</u>								
LIMITS: FROM:York Street Intersection TO:									
COUNTY: DuPage County									
FIELD/SITE REVIEW DATE: January 24, 2008 & November 4, 2008									
FIELD REVIEW PARTICIPANTS: Kathleen Meyerkord, PE, PTOE – TranSystems									
Todd Bright, I	PE – TranSystems								
JURISDICTIONS INVOLVED:									
City of Elmhurst	IDOT								
KEY PEOPLE:									
Name Cori Tiberi – City of Elmhurst	Name Ryan Jacox, PE, PTOE – TranSystems								
Title City Engineer	Title Traffic Engineer								
Phone/fax (630) 530-3777 / (630) 530-6403	Phone/fax (847) 605-9600 / (847) 605-9610								

# PART II. EXISTING CONDITIONS

# VERTICAL CLEARANCE RESTRICTIONS (existing profile/overhead structures):

#### No restrictions

HORIZONTAL RESTRICTIONS (ROW/sidewalks/curb & gutter/buildings): Gas stations are located on the NE & SE corners of the intersection. A bank is very near the existing ROW on the SW corner and a Jewel Food store parking lot is on the NW corner.

UNUSUAL Se units wetlands	OIL CONDITIONS (C	HECK ALL TI	HAT APPLY):	dges 🗷 con	taminated soil				
UTILITIES IN electrical	VOLVED (CHECK A ⊠gas ⊠ telephone	ALL THAT AP	PLY): 🗷 sewer	🗷 water	□ pipelines	□ other			
SPECIAL SAFETY CONSIDERATIONS (high accident spots and sections): This is not a high accident location.									

### CROSSED OR ADJACENT BRIDGES:

□ Applicable (Complete and include one or more copies of Attachment 1)
 ☑ Not Applicable

### SIGNALIZED INTERSECTIONS:

☑ Applicable: Complete and include for each intersection:

- one copy of Attachment 2
- two Input Module Worksheets (one for current conditions and one for conditions after the proposed project)
- if signals are actuated, the Actuated Controller Properties page of the Input Module Worksheet
- As many Actuated Controller Coordination pages of the Input Module Worksheet as warranted, i.e., based on extended side-street leading left-turn phases
- □ Not Applicable

## UNSIGNALIZED INTERSECTIONS NEEDING UPDATE:

- □ Applicable: Complete and include for each intersection:
  - one copy of Attachment 3
  - two Input Module Worksheets (one for current conditions and one for conditions after the proposed project)

☑ Not Applicable

### DRAINAGE DATA:

**E** Complete and include one or more copies of Attachment 4

### RAILROADS:

□ Applicable (Complete and include one or more copies of Attachment 5)
 ☑ Not Applicable

# PART III. ENVIRONMENTAL AND SPECIAL DATA

Documented (IDNR) or possible wetlands:  Yes  No: Location(s) <u>Not Applicable</u>
Parks or Forest Preserve:  Yes  No: Location(s) Not Applicable 4(f) Involvement  Definite  Possible
Cultural resource involvement (check all that apply): Historic district Historic structure Historical marker Other eligible historic designations Other cultural resources Location(s) <u>Not Applicable</u>
<ul> <li>Adjacent land use (Check all that apply)</li> <li>☑ Residential ☑ Office/Retail □ Schools</li> <li>□ Industrial □ Park or Forest Preserve □ Other Institutional</li> <li>Hazardous materials (UST, LUST, other hazardous waste sites) ☑ Yes □ No The gas stations have a high potential to be hazardous waste sites. The intersection will be screened for hazardous materials during preliminary engineering.</li> </ul>
Potential contaminated soils: High         Local Acceptability (a federally accepted public involvement program will be prepared during project development)         Is there local public support, generally? If Yes □ No         Has the affected public been involved/informed? If Yes □ No
How? The public was informed about this project through a Public Works and Buildings

Committee meeting on January 14, 2008. This intersection was part of a traffic study presented at the meeting.

## PART IV. PROPOSED SCOPE OF WORK

Engineering (Enter cost if eligible for federal funding):											
Phase I (preliminary design) \$ <u>140,000</u>	% complete <u>0</u> Months to complete <u>24</u>										
Phase II (plans, specs and estimates) \$ <u>160,000</u> % complete Months to complete											
Right of way needed:  No 🗷 Yes: Estimated cost <u>\$287,080</u>											
Utility Relocation 🗷 No 🗆 Yes: Cost \$ <u>Not Applicable</u>											
Construction: Cost <u>\$1,145,000</u> Months to compl	lete: 7 Calendar Year 2016										
(INCLUDE DETAILED COST ESTIMATE FOR CONSTRUCTION ITEMS ON FOLLOWING PAGE).											
Proposed cross section(s)/dimensions (If applicable): Number of through lanes (Roads): <u>2 (York St) / 2 (Butterfield Rd)</u> Pavement width <u>76' e-e (York St), 64' e-e (Butterfield Rd)</u> Shoulder or parkway width: <u>parkways vary 8-20'</u> Median: $\Box$ None $\boxtimes$ Raised $\Box$ Flush $\Box$ Mixed Square feet (Parking) <u>Prohibited</u>											
Tiojeet Lengui. Tork Street 1,200; Butternerd Road 700;	<u>1,500 10tal</u>										
Check all that apply, and complete number where applicable.         Intersection improvements (Number 1)         New traffic signals (Number)         Signals to be interconnected (Number 3)         Pedestrian/bicycle accommodations (Describe below. Include limits and connecting facilities)         Train Station Improvements         Railroad Grade Crossing Improvements         Landscaping         Description         Description											

For all items checked above, describe improvements in the space below. Attach additional sheets if necessary.

Improvements include the addition of northbound and southbound right turn lanes on York Street, as well as lengthening the existing westbound left turn lane on Butterfield Road. Full pavement width resurfacing will also be performed within the intersection and for approximately 350 feet along each of the four intersection approaches. Traffic signal equipment and pavement markings shall be modified and restriped, respectively, to accommodate the additional lanes into the operational configuration. See Proposed Roadway Improvements, Exhibit B.

Drainage:

6	
Urban (Enclosed)	□ Rural (Open)
Is detention required?	No $\Box$ Yes (If yes, check type below)
$\Box$ In line detention	□ New outlets (Where?)
□ Detention basin	Detention off-site

# DETAILED ESTIMATE OF CONSTRUCTION COSTS

Item	Description	Unit	Quantity	Unit Price	Total
	See Attached Estimate, Exhibit C				
TOTAL C	COST OF CONSTRUCTION ITEMS				

# ESTIMATES MUST BE BASED UPON QUANTITIES AND UNIT COSTS WHENEVER POSSIBLE. LUMP SUM AMOUNTS ARE NOT ACCEPTABLE.

## ATTACHMENT 2 – SIGNALIZED INTERSECTIONS FILL OUT FOR EACH SIGNALIZED INTERSECTION Provide *Existing and Proposed* Conditions for Each Item

#### Location: Butterfield Road at York Street (Existing)

a. Conditions: On the HCM Input Module Worksheet, indicate/sketch the number of through and shared lanes, all designated turn pockets and the length of all turn pockets, lane width for all lanes, percent grade, free flow speed and saturation flow rate for all legs within the intersection, right turn on red allowed or prohibited, and provide separate right turn and right turn on red volumes.

	Butterfield	York
Free flow speed:	35 mph	35mph
Saturation flow rate:	1,900 pc/h/ln	1,900 pc/h/ln
Right turn on red allowed:	Yes	Yes
Right turn on red volumes:	minimal	minimal

b. Type of controller  $\Box$  Pretimed  $\Box$  Semi-Actuated  $\blacksquare$  Fully Activated

If the controller is actuated, please provide a layout for all actuated legs of the intersection with the following information: detector distance from stop line, detector length, delay time and carry-over. If using IDOT's standard for detector loop layout, a copy of the standard containing the above required detector information will suffice.

c. Pedestrian signals:  $\Box$  No  $\blacksquare$  Yes:

Locations: All approaches

d. Sidewalks/bicycle facilities: ⊠ Sidewalk □ Bicycle/Multi-Use □ Neither

Locations: Sidewalk runs along both sides of York Street and Butterfield Road

e. Preemption (Railroad/fire/emergency vehicle): 
No Yes: Emergency Vehicle

Locations: Mast arm - northeast quadrant; Mast Arm - northwest quadrant

- f. Describe parking and parking restrictions and identify any bus stops in the vicinity. On-street parking is not permitted; no bus stops in the vicinity.
- g. Do current signals meet MUTCD standards? 🗷 No 🗷 Yes
- h. Is intersection a part of a current signal interconnect system?  $\Box$  No  $\boxtimes$  Yes:

Limits: Butterfield Road to Brush Hill Road along York Street

Jurisdictions involved: IDOT, City of Elmhurst

i. Operational deficiencies: None

## ATTACHMENT 2 – SIGNALIZED INTERSECTIONS FILL OUT FOR EACH SIGNALIZED INTERSECTION Provide *Existing and Proposed* Conditions for Each Item

#### Location: Butterfield Road at York Street (Proposed)

a. Conditions: On the HCM Input Module Worksheet, indicate/sketch the number of through and shared lanes, all designated turn pockets and the length of all turn pockets, lane width for all lanes, percent grade, free flow speed and saturation flow rate for all legs within the intersection, right turn on red allowed or prohibited, and provide separate right turn and right turn on red volumes.

	Butterfield	York
Free flow speed:	35 mph	35mph
Saturation flow rate:	1,900 pc/h/ln	1,900 pc/h/ln
Right turn on red allowed:	Yes	Yes
Right turn on red volumes:	minimal	minimal
-		

b. Type of controller  $\Box$  Pretimed  $\Box$  Semi-Actuated  $\blacksquare$  Fully Activated

If the controller is actuated, please provide a layout for all actuated legs of the intersection with the following information: detector distance from stop line, detector length, delay time and carry-over. If using IDOT's standard for detector loop layout, a copy of the standard containing the above required detector information will suffice.

c. Pedestrian signals:  $\Box$  No  $\blacksquare$  Yes:

Locations: <u>All approaches</u>

d. Sidewalks/bicycle facilities: 🗷 Sidewalk 🗆 Bicycle/Multi-Use 🗆 Neither

Locations: Sidewalk will continue to be provided along both sides of York Street and

Butterfield Road.

e. Preemption (Railroad/fire/emergency vehicle): 
No Yes: Emergency Vehicle

Locations: Mast arm - northeast quadrant; Mast Arm - northwest quadrant

f. Describe parking and parking restrictions and identify any bus stops in the vicinity. On-street parking will not be permitted and no bus stops are currently planned at the

intersection.

- i. Do current signals meet MUTCD standards? 
  No 🗵 Yes
- j. Is intersection a part of a current signal interconnect system?  $\Box$  No  $\boxtimes$  Yes:

Limits: Butterfield Road to Brush Hill Road along York Street

Jurisdictions involved: IDOT, City of Elmhurst

i. Operational deficiencies: <u>None</u>

# ATTACHMENT 4 – DRAINAGE DATA COMPLETE FOR EACH DRAINAGE BASIS (2 PER PAGE)

Location: Butterfield Road at York Street Intersection

a. Existing drainage type (Open/closed): <u>Existing stormwater runoff is accommodated by two</u> <u>enclosed drainage systems. One system drains the east leg of Butterfield Road and south leg of York Street. The</u> <u>second system drains the north leg of York Street and west leg of Butterfield Road.</u>

- b. Existing drainage problems: None
- c. Flood plains (Transverse/longitudinal): <u>None</u>
- d. Regulatory (FEMA) Floodways: <u>Salt Creek Floodway</u>
- e. Major drainage structures: <u>None within project limits</u>
- f. Outfall conditions: <u>System one runs south along York Street and outfalls into a 60 inch storm</u>

sewer at Roosevelt Road. This sewer ultimately discharges into Salt Creek, south of Roosevelt Road. System two runs west along Butterfield Road and outfalls into Salt Creek.

g. Comments (Realignment/cost participation/jurisdictional transfer): <u>Drainage realignment is not</u> anticipated, the existing storm sewer systems will be utilized. The City will provide the local cost participation match and this is not a jurisdictional transfer.

# CONGESTION MITIGATION AND AIR QUALITY PROGRAM

# FY 2012-2016

## ILLINOIS ROUTE 56 (BUTTERFIELD ROAD) (FAU 3545)) AT YORK STREET (FAU 2678)

# **INTERSECTION IMPROVEMENTS**

## **CITY OF ELMHURST**

#### **EXHIBITS**

- A. Project Location Map
- B. Aerial Site Map and Proposed Roadway Improvements
- C. Cost Estimate
- D. Input Worksheet, Actuated Controller, and HCS Data
- E. Milestone Schedule
- F. GO TO 2040 Support Form

**PROJECT LOCATION MAP** 

**EXHIBIT** A

# **Location Map**



# **EXHIBIT A - Project Map**

IL Route 56 (Butterfield Road) at York Street Intersection Improvements City of Elmhurst

# EXHIBIT B

AERIAL SITE MAP PROPOSED ROADWAY IMPROVEMENTS



# SITE AERIAL MAP

IL Route 56 (Butterfield Road) at York Street City of Elmhurst

![](_page_17_Figure_0.jpeg)

. Tran Systems . Tra E. WOOFIELD ROAD, SUITE 600 SCHUMBURC, IL 60173

# EXHIBIT C

COST ESTIMATE

#### BUTTERFIELD ROAD (IL ROUTE 56) AT YORK STREET INTERSECTION IMPROVEMENTS CITY OF ELMHURST

March 14, 2011

	PRELI	MINAR	YE	STIMA	TE C	DF COST				
Butterfield Road	700	FT		0.13	Mile	s				
York Street	<u>1200</u>	FT		0.23	Mile	S				
Total Project Length	1,900	FT		0.36	Mile	es				
1. CONSTRUCTION										
	QTY.	UNIT	UN	IT PRICE		TOTAL		CMAQ		City
Roadway & Intersection Improvements	11,338	SY	\$	47	\$	535,834				
{ curb removal	970	LF	\$	6	\$	5,820				
{ pavement removal	300	SY	\$	15	\$	4,500				
{ driveway pavement removal	198	SY	\$	20	\$	3,960				
{ barrier median removal	3,200	SF	\$	6	\$	19,200				
{ sidewalk removal	3,500	SF	\$	3	\$	10,500				
{ proposed curb and gutter	970		\$	16	\$	15,520				
{ Mill and resurface	1,956	ION	\$	100	\$	195,581				
{ proposed bit. pavement construction	1,193	SY	\$	70	\$	83,510				
{ proposed driveway pavement	198	SY	\$	45	\$	8,910				
{ proposed pcc sidewalk	3,500	SF	\$	7	\$	24,500				
{ proposed street lighting	4	EA	\$	6,000	\$	24,000				
{ temporary street lighting	4	EA	\$	1,500	\$	6,000				
{ earthwork	333	CY	\$	40	\$	13,333				
{ drainage modifications (20%)	1	LSUM	\$	80,400	\$	80,400				
{ sodding, signing, and striping (5%)	1	LSUM	\$	20,100	\$	20,100				
{ miscellaneous	1	LSUM	\$	20,000	\$	20,000				
Traffic Signal Replacement (With UPS)	1	EA	\$	200,000	\$	200,000				
Traffic Signal Modifications	0	EA	\$	100,000	\$	-				
Temporary Traffic Signal Installation	1	EA	\$	30,000	\$	30,000				
Interconnect Modifications	1	EA	\$	20,000	\$	20,000				
Mobilization (5%)	1	LSUM	\$	39,000	\$	39,000				
Traffic Control & Protection (3%)	1	LSUM	\$	23,000	\$	23,000				
Contingency (20%)					<u>\$</u>	169,000				
Subtotal Construction (2011\$)					\$	1,017,000				
Subtotal Construction (2015\$)					\$	1,145,000	\$	916,000	\$	229,000
* 3% annual increase						100%		80%		20%
2. R.O.W. Acquisition (4 Parcels)										
Title Reports, Later Dates & Recording	4	LSUM		\$600	\$	2,400				
Plats & Legals	4	LSUM		\$3,000	\$	12,000				
Appraisals & Review	4	LSUM		\$2,000	\$	8,000				
Negotiations	4	LSUM		\$2,000	\$	8,000				
Easement	12,600	SF		\$10	\$	126,000				
Acquisition	4,356	SF		\$30	\$	130,680				
Subtotal R.O.W.					\$	287,080	\$	229,664	\$	57,416
						100%		80%		20%
3. Engineering					•		•		•	
Preliminary Design					\$	140,000	\$	112,000	\$	28,000
Final Design					\$	160,000	\$	128,000	\$	32,000
Construction Engineering					\$	137,400	\$	109,920	\$	27,480
Subtotal Engineering					\$	437,400	\$	349,920	\$	87,480
						100%		80%		20%
Construction (Incl Const Engineering					\$	1,282,400	\$	1,025,920	\$	256,480
						100%		80%		20%
PROJECT TOTAL:					\$	1,869,480	\$	1,495,584	\$	373,896
						100%		80%		20%

I:\ELMHURST\York at Butterfield\2012-16 CMAQ\[Ex C Prelim Cost 2011.XLS]2009-8-06

INPUT WORKSHEET, ACTUATED CONTROLLER, AND HCS DATA

**EXHIBIT D** 

Highway Capacity Manual 2000 Before improvement both before and after After improvement worksheets are required

![](_page_21_Figure_1.jpeg)

Chapter 15 - Signalized Intersections

![](_page_22_Figure_0.jpeg)

![](_page_23_Figure_0.jpeg)

HCS+ <sup>™</sup> DETAILED REPORT																			
General Info	ormation							Site Information											
Analyst <i>R. Jacox</i>							1	Intersection Butterfield Rd. at York St.											
Agency or C	o. TranSyste	ms						1	Area	All other areas									
Date Perforn	ate Performed 3/10/2011								urisdiction IDOT/Elmhurst										
Time Period	PM Peak							1	Analysis Year 2011										
								F	Project ID Butterfield at York Before Improvement										
Volume and	Timing Inpu	t						_	Beiole improvement										
	•			EB					WB		NB					SB			
			LT	TH	RT	-	LT		TH	R	Т		-	TH	F	RL	LT	ТН	RT
Number of L	anes, N1	_	1	2	1		1		2	1		1		2	(	)	1	2	0
Lane Group		$\rightarrow$	L 105	T	R			╇	T		<u> </u>			TR			L 155	TR	100
	/pn)	$\rightarrow$	195	425	185	)	365	╇	305	5	5	190	)	900	2	90 5	155	625	120
Peak-Hour F	actor PHF	-	2 7.95	0.95	0.95		2 0.95		2 0.95	09	5	0.95	5	2 0.95	0	- 95	2 0.95	2 0.95	2 0 95
Pretimed (P)	or Actuated (	A)	A	A	A		A	Ť	A	A	<u> </u>	A		0.00 A	7	1	A	A	A
Start-up Lost	t Time, I1		2.0	2.0	2.0		2.0	╈	2.0	2.0	2	2.0		2.0			2.0	2.0	
Extension of	Effective Gre	en,	2.0	2.0	2.0		2.0	Ī	2.0	2.0	2	2.0		2.0			2.0	2.0	
Arrival Type.	AT		3	3	3		3	┢	3	3		3		3			3	3	
Unit Extensio	on, UE		3.0	3.0	3.0		3.0		3.0	3.0	)	3.0		3.0			3.0	3.0	
Filtering/Met	ering, I	1	1.000	1.00	0 1.00	0	1.000	1	1.000	1.0	00	1.00	0	1.000			1.000	1.000	
Initial Unmet	Demand, Qb		0.0	0.0	0.0		0.0		0.0	0.0	)	0.0		0.0			0.0	0.0	
Ped / Bike / I	RTOR Volume	es	50	5	0		50		5	0		50		5	0	)	50	5	0
Lane Width		1	12.0	12.0	12.0		12.0	1	12.0	12.	0	12.0	)	12.0			12.0	12.0	
Parking / Gra	ade / Parking		Ν	0	N		N		0	N		Ν		0	Λ	I	N	0	Ν
Parking Man	euvers, Nm																		
Buses Stopp	ing, Nв		0	0	0		0		0	0	)	0		0			0	0	
Min. Time for	r Pedestrians,	Gp		3.6					3.6					3.6				3.6	
Phasing	Excl. Left	EW	Perr	n	03		0,	4	Excl. Left NS Perm 07						0	8			
Timing	G = 10.0	G =	32.0	) G	=		G =			G = 10.0		G	= 30.0		G =		<u>G =</u>		
Duration of A	Y = 3	Y =	6	- Y :	-		Y =		$Y = 3 \qquad Y = 6$			ath	Y =	- 100 (	<u>  Y =</u>				
	Capacity Co	ntro		lav an	4100	Do	tormir	12	tion				Cy		yu	i, C -	- 700.0	)	
	Capacity, Co			EB	<u>u 203</u>	T		١a	WB NB SB										
			Т	TH	RT	┢	LT	Т	TH	RT		LT		TH RT		RT.	LT	TH	RT
Adjusted Flo	w Rate, v	20	)5	447	195	3	384	32	21	58	58 200			1252			163	784	
Lane Group	Capacity, c	48	35	1195	714	4	423	11	95	714		275		1009			252	1028	
v/c Ratio, X		0.4	2	0.37	0.27	0.	.91 (	0.2	27	0.08	0	).73	1	1.24			0.65	0.76	
Total Green	Ratio, g/C	0.4	8	0.32	0.48	0.	.48 (	0.3	32	0.48	0	).46	4	0.30			0.46	0.30	
Uniform Dela	ay, d <sub>1</sub>	15.	7	26.3	15.6	2	9.1	25	i.3	14.1	1	9.6		35.0			21.7	31.8	
Progression	Factor, PF	1.0	00	1.000	1.000	1.	.000	1.0	000	1.000	) 1	1.000	1	1.000			1.000	1.000	
Delay Calibra	ation, k	0.1	1	0.11	0.11	0.	.43 (	0.1	11	0.11	0	).29	0	0.50			0.22	0.31	
Incremental	Delay, d <sub>2</sub>	0.	6	0.2	0.2	2	23.1	0	).1	0.0		9.3	ĺ	116.9			5.7	3.4	
Initial Queue	Delay, d <sub>3</sub>	0.0	)	0.0	0.0	0	0.0	0.	0	0.0	(	0.0		0.0			0.0	0.0	
Control Dela	у	16	5.3	26.5	15.8	5	52.2	25	5.4	14.1	1	28.9		151.9			27.3	35.2	
Lane Group	LOS	В		С	В		D	С	)	В		С		F			С	D	
Approach De	elay		21.	5			38	.0				1	135	.0				33.8	
Approach LC	DS		С				D	)					F					С	
Intersection Delay $68.7$ $X_c = 7$						1.0	09 Intersection LOS E												

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Check:

Highway Capacity Manual 2000 Before Improvement both before and after worksheets are required

	ľ	NPUT	WORKSHEET	Г	
General Information		`	Site Infor	mation	1999 yr - 1 - 1999 y - 1999 yr - 199
Analysi R.JA	COX		Intersection	IL PTE SL (BUTT	ETIFIELD)@YOIZI
Agency of Corrosoly IKANSYST	Ems		Area Type	C CBD	X Other
1 U.B.: Pedersien <u>3/10/11</u>	-	********	lurisdiction	IDOT/ELM	HURST
Anzivas une Parka _pm_pear	· · · · · · · · · · · · · · · · · · ·		Analysis Yea	2011	
Intersection Geometry				· · · · · · · · · · · · · · · · · · ·	
01300 0 112'n'12'12'n	·14' .			i in <u> </u>	
	1 2 3			- reocoenci	30
	1 2 5				
R	12	6	Show Horth Arraw	a Through	
12	4 Q grede		1001	i moogn	
12' (125') (100'		- 12	(12)	= Right in	dudo tumina
10/112	÷	121		N state ba	v length
12'	) V		(951)	- Lat Do	ly lengin
1/12 4 (400) 20	(0')	2 121		= Through + f	ùgh:
91438 O A	LIL PTE S	2 BUT	NERFIELD)	= Left - Thron	c::
	0 Street				
11544	X			Y = Left - Right	
	· .			= Left + Throu	oh • Richt
12' 12' 12' 12' 12' 12'	Nigrade- 0			ł	
Volume and Timing Input		- 1997 - C			
	EB	1	WB	NR	1 34
	LT TH	AT: 1	LT TH		
Volume, V (veh/h)	195 425	185	365 305 5	5 190 900 790	1551-25 120
% beavy vehicles, 8: Hy	22	2	22	2 2 2 2 2	2 2 2
Pretinied (P) or advated (F)	0,95.0.95	0.55	0.55 0.55 10	55 0.55 0.55 1.55	0.55:0.95 1.95
Start-co lost time, 1, (s)	H H	<u>H</u>	H H	<u>A A A</u>	A A A
Extension of effective preen time, e (s)	20120	12.0	2 . 12 . 13	0 2,0 2.0 12.0	12.012.0.2.0
Arrival type, Al	3 3	30	3 3	2 2 2 2 2	2.0 2.0 2.0
Autoroach pedestrian volume,2 vped (D/n)	0		0	0	2 3 2
Aporcata bicycle volume,2 vbic (bicycles/h)	0		0	0	0
Parking (* or N;	<u>N</u>		N	N	N
Ressingen A dargets	<u> </u>		00	0	0
Min. Imust for neclestrians <sup>2</sup> G. (s)	78 50		0	0	0
Signal Phasing Plan			Lle Sec	. 26 Sec.	ZUSec.
D la: tos = a		1			
	103	94	125 1	86 1 97	68
	-1	-		10 10 10	
$R   \wedge \rightarrow \leftarrow$	4				
A - A-	•		5	N. A. M	1
12.0 9= 12.0	- Ra		v !	- <u>     </u>	
3,0 Y= 4.0	<u>Y</u> =	Υ <u>΄</u>	Y=3	0 Y= 6.0 Y=	3=
Protocled turns	1 23	) fe	rmitted turns restrian	Cycle length	0 = 100 -
Mater			9999 <u>199</u>		•
10163					

Chapter 15 - Signalized Intersections

![](_page_26_Figure_0.jpeg)

Use coordination: 🔽		N	ote: All times	are in secor	nds			
Phase:	1	2	3	4	5	7	8	
Force-off:								
Phase can terminate before force off:	R	Ē	<del>ا</del> يم	R	M	<u>Γ</u> ]	M	R
Permissive 1 Period 2 Flags 3		F F				F		
Yield Point	Cycle Le	ingth		Permissiv	e Periods—	Beain Time:	1 1 1	
Extended Side-Street	Leading L	eft-Turn Pha	ises	1	2		; 3	
Phase: 1	] Duratio	'n:				End Time:	s -) —	(?
Phase: 1	Duratic	n:		1	2		3	

.

HCS+ <sup>™</sup> DETAILED REPORT																		
General Information									Site Information									
Analyst R. Jacox								Intersection Butterfield Rd. at York St.										
Agency or Co. TranSystems								Area	Area Lype All other areas									
Date Performed 3/10/2011								Jurisdiction IDOT/Elmhurst										
Time Period	PM Peak							Analysis Year 2011										
										Project ID Butterfield at York After Improvement								
Volume and	Timing Inpu	t																
				EB				W	3				NB				SB	
			.Т	TH	RT		LT	TH		RT	L	Г	TH	F	RT	LT	ТН	RT
Number of L	anes, N1	1		2	1	_	1	2		1	1		2	1		1	2	1
Lane Group				1	R	_	L	/		R			/		2	L 155	/	R
	/pn)		95	425	185		365	305	)	55	19	0	900	2	90 5	155	625	120
Peak-Hour F	actor PHF		25	2 0 95	0 95	_	2 0.95	0 05		0.05	<u> </u>	5	0.95		25	2 0.95	2 0.95	2 0.95
Pretimed (P)	or Actuated (	A) A	<u>, , , , , , , , , , , , , , , , , , , </u>	0.90 A	0.90 A	_	0.95 A	0.90 A		0.95 A	0.3 A		0.90 A	0.3 A	<u>,,,</u>	0.95 A	0.90 A	0.90 A
Start-up Lost	t Time. I1	2.	0	2.0	2.0	_	2.0	2.0		2.0	2.0	)	2.0	2.	0	2.0	2.0	2.0
Extension of	Effective Gre	en,	0	2.0		_	2.0	20		2.0		<u> </u>	20		0	2.0		2.0
е		2.	0	2.0	2.0		2.0	2.0		2.0	2.0	/	2.0	2.	0	2.0	2.0	2.0
Arrival Type,	AT	3	}	3	3		3	3		3	3		3	3	}	3	3	3
	on, UE	3.	0	3.0	3.0	_	3.0	3.0	0	3.0	3.0	00	3.0	3.	0	3.0	3.0	3.0
Filtering/web	Domand Or	1.0	000	1.000			1.000	1.00	0	1.000		00	1.000	1.0	000	1.000	1.000	1.000
Ped / Bike / I		0.	0	5	0.0	_	50	5		0.0	50		5	10.	0	50	5	0.0
Lane Width		12	0	12.0	12.0	_	12 0	12 0	)	12.0	12	0	12.0	12	0	12.0	12.0	12.0
Parking / Gra	ade / Parking		. <u>.</u> I	0	N		N	0		N	N	-	0		. <u>.</u> I	N	0	N
Parking Man	euvers. Nm			l -		_					+			+				
Buses Stopp	ina. Nв	0	)	0	0		0	0		0	0		0		0	0	0	0
Min. Time for Pedestrians,				26				26					2.6		-		26	
Gp				0.0													5.0	
Phasing	Excl. Left	EW F	Perm	1 03		04		)4		Excl.	Left		NS Pern	n		07		)8
Timing	G = 12.0	G = C	32.0	) G=		<u> </u>			╉	G = 8	5.0		3 = 30.0	,	G =	-	G =	
Duration of A	T = 3	r = 0							$\frac{1}{1} = 0$ Cycle Length. C = 100.0									
	Capacity Co	ntrol	Dol	<u> </u>	2016	Do	tormi	natio	1					igu	1, 0	- 100.	<u> </u>	
	oupacity, or		EB					WB	WB			NB				SB		
		LT	<b>-</b>	TH	RT	l	LT	TH	Ĩ	RT	LT		TH	R	Т	LT	TH	RT
Adjusted Flo	w Rate, v	205	4	47	195	3	84	321	Τ	58	200		947	30	5	163	658	126
Lane Group	Capacity, c	520	1	195	684	4	58	1195	6	684	283	T	1120	71	2	214	1120	712
v/c Ratio, X		0.39	0.	37	0.29	0.0	84 (	0.27	0.	.08	0.71		0.85	0.4	3	0.76	0.59	0.18
Total Green	Ratio, g/C	0.50	0.	32	0.46	0.:	50 (	0.32	0.	.46	0.44		0.30	0.4	8	0.44	0.30	0.48
Uniform Dela	ay, d <sub>1</sub>	14.5	26	5.3	16.8	25	5.8	25.3	1	5.2	19.6		32.8	17.	0	21.8	29.7	14.8
Progression	Factor, PF	1.000	) 1.	000	1.000	1.0	000 1	1.000	1.	.000	1.000	)	1.000	1.0	00	1.000	1.000	1.000
Delay Calibration, k 0			0.	11	0.11	0.	37 (	0.11	0.	.11	0.27		0.38	0.1	1	0.31	0.18	0.11
Incremental Delay, d <sub>2</sub>			(	).2	0.2	1:	2.9	0.1	(	0.1	7.8		6.1	0.	4	14.8	0.8	0.1
Initial Queue Delay, d <sub>3</sub>			0	.0	0.0	0.	.0	0.0	0	0.0	0.0		0.0	0.0	)	0.0	0.0	0.0
Control Delay 1			2	6.5	17.0	38	8.8	25.4	1	15.2	27.5		39.0	17	.4	36.6	30.6	14.9
Lane Group	LOS	В	(	2	В	Ľ	כ	С		В	С		D	В		D	С	В
Approach De	elay		21.5				31.	.4				32	.9				29.5	
Approach LC	DS		С				C	;				С	;				С	
Intersection Delay			29.4 X <sub>c</sub>				$X_{c} = 0$	0.88		Intersection LOS C					С			

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![](_page_29_Figure_0.jpeg)

![](_page_30_Figure_0.jpeg)

EXHIBIT E

**MILESTONE SCHEDULE** 

### **PROJECT MILESTONE SCHEDULE**

Municipality: City of Elmhurst					Co	ntact Information
Project: IL Route 56 (Butterfield	Rd) at York St			Municipality	City of Elmhurs	st
Scope of Work: Intersection Improvement	ts			Council/Liaison	DuPage / Tam	Kutzmark
TIP #: TBD				Consultant	TranSystems T	odd Bright 847-407-5271
TIP Years (Ph II / Const): TBD				IDOT	Marilin Solomo	on 847-705-4407
Section #: TBD	202 400					
Last Constr & E3 Cost $3/14/2011$ \$ 1,2	282,400				2/14/2011	
Current Constr & E3 Cost $3/14/2011$ \$ 1,2	282,400 <b>P</b> r	ojected I	Datas	Date Prepared:	3/14/2011	Date Revised:
	Initial Est k	Gick-Off	Revised/Actual	1		
1. Project Scoping	Mar-11		100,1000,110000			Notes
2. IDOT Phase I Kick-off Meeting	Mar-12			CMAQ Funding	Approval Nover	mber 2011 with 3 month contract approval
3. 1st State/Federal Coordination Meeting	Oct-12			8	months from ki	ckoff meeting
4. Categorical Exclusion Concurrence	Oct-12					
5. Design Variance Concurrence	Oct-12					
6. Submit Draft Phase I Report (PDR) to IDOT (a)	Mar-13			13	months from ki	ckoff meeting
7. Public Hearing/Meeting (or N/A)	Apr-13					
8. Right-of-Way Kick-off Meeting (or N/A)	May-13					
9. Submit Final Phase I Report (PDR) to IDOT (b)	Aug-13			18	months from ki	ckoff meeting
10. Submit Phase II Engr. Agreem't to IDOT (or $N/A$	A) Mar-13					
11. Phase I Design Approval	Mar-14			24	months from ki	ckoff meeting
12. ROW Acquisition Initiation (or N/A) ( c )	Mar-14					
13. Phase II Engr. Agreement Approval (or N/A)	Mar-14					
14. Submit Pre-Final Plans and Estimates (d)	Mar-15			13	months from ag	greement approval
15. Submit Phase III Engr. Agreement to IDOT	Mar-15					
16. Submit Final Plans, Specs & Estimates (PS&E)	(e) Jul-15			17	months from ag	greement approval
17. ROW Acquisition Complete	Sep-15			19	months from R	OW initiation
18. Construction Letting	Nov-15					

#### Notes:

- (a) 3 to 6 month review required per complexity and submittal quality
- (b) 1 to 3 month review
- (c ) Minimum 9 to 18 months required from plats to acquisition
- (d) 1 to 4 month review
- (e) 7 to 10 days before Springfield BLR due date

See IDOT Local Roads' Mechanics of Project Management

"Federal Aid Project Initiation to Completion" Flow Chart for sequence of events and estimated review times.

Prepared by: CATS-Comm. Liaison / IDOT-BLRS (7-11-02, 5-03)

File Name: I:\ELMHURST\York at Butterfield\2012-16 CMAQ\[Ex E Milestone Schedule.xls]Sheet1

GO TO 2040 SUPPORT FORM

EXHIBIT F

# GO TO 2040 Support Information Form

1. Briefly describe your project: provide type of work and limits of project:

The Butterfield Road (IL Route 56) at York Street intersection improvements will improve the operation of the existing intersection by adding turn lanes. Specifically, the addition of northbound and southbound right turn lanes will help accommodate the 290 right turning vehicles and 120 right turning vehicles, respectively, projected to make these movements for the 2011 PM Peak Hour. Additionally, lengthening the existing westbound left turn lane will allow it to better accommodate the 365 left turning vehicles projected to make the turn during the PM Peak Hour.

The City needs to make these improvements to accommodate the projected traffic generated from the new hospital campus located on the northwest corner of York Road and the IL Route 38 Interchange. The new Integrated Health Campus will include a new 259-bed Hospital Building (approximately 866,000 square feet) and Medical Office Buildings (MOB) up to 200,000 square feet to complement the existing Center for Health (CFH). The hospital expansion is scheduled to be completed in summer 2011.

 Describe how the proposed project helps implement the goals and objectives of GO TO 2040. Please see the instructions for specific action areas and recommendations from GO TO 2040 that apply to the CMAQ program.

The proposed improvements will improve the operation of the intersection, reduce congestion, and improve air quality. The quality of life for residents of DuPage County will also be enhanced by making the new hospital and medical offices more accessible. The improvements will improve intersection level of service, allowing more time to be given to the critical movements of the intersection. In addition the new right turn lanes will allow buses to make turns at the intersection more efficiently without having to wait for through movement vehicles sharing the lane to first clear the intersection. Lengthening the westbound left turn lane will also allow buses to gain access to the left turn lane earlier. These improvements will decrease delay to buses traveling through the intersection. See attached for pace bus route maps. 3. Please identify any local or sub-regional plan containing this proposed project. Describe how that plan is consistent with the overall recommendations of GO TO 2040. Please provide a link to the plan (if available online) or a copy (or relevant excerpts) of the plan or program if it is not available online.

A traffic impact study was prepared for the new Center for Health facility and approved by IDOT in 2010 (see attached). The study identified three major intersections to be improved. Butterfield Road (IL Route 56) at Commonwealth Lane, Butterfield Road (IL Route 56) at York Road, and York Road at the IL Route 38 Interchange. The York Road at the IL Route 38 Interchange project is scheduled for a September 2011 letting. The Butterfield Road (IL Route 56) at Commonwealth Lane intersection project is currently targeting a November 2011 letting.

4. Identify any phase of work (phase I engineering, phase II engineering, ROW, construction, implementation, engineering for non-highway projects) of this project currently in an adopted program. Please provide a link to the program if available online, or a copy of the relevant excerpts otherwise.

Two of the three intersections listed in item 3 above are identified in the DuPage Regional Council FY 2011 – 2016 Surface Transportation Program (see attached). The City has locally funded phase 1 engineering, phase 2 engineering, and ROW for these projects. For this project the City is requesting CMAQ funding for all phases of engineering and construction.

![](_page_36_Figure_0.jpeg)

Effective Date August 22, <u>2010</u>

Route 301

122209rev071410rev

![](_page_37_Figure_0.jpeg)

![](_page_38_Picture_0.jpeg)

# **Illinois Department of Transportation**

Division of Highways/Region One / District One 201 West Center Court/Schaumburg, Illinois 60196-1096

#### PERMITS

Location: IL. Rte. 38 @ York Rd. Municipality: Elmhurst, DuPage Co. Re: Elmhurst Memorial Hospital Reference No: 022-42607

September 20, 2010

Mr. Daniel Brinkman Gewalt Hamilton Associates, Inc. 820 Lakeside Drive - Suite 5 Gurnee, IL 60031

Dear Mr. Brinkman:

Please be advised that we approve of your submitted Traffic Impact Study for the subject location. Please submit 3 copies of your construction plans for the intersection of IL. Route 56 and York Rd. when they become available to continue the review process.

If you have any questions regarding this matter, please contact Mike Wisniewski at (847) 705-4541.

Very truly yours,

Diane M. O'Keefe, P.E. Deputy Director of Highways, Region One Engineer

Sallenbach MKW By: manua

Thomas G. Gallenbach, P.E. Traffic Permit Engineer

cc: Thomas Borchert - City of Elmhurst

#### DUPAGE REGIONAL COUNCIL FY 2011 - 2016 SURFACE TRANSPORTATION PROGRAM

#### Additions to the program are highlighted in gray. N - New Projects, R - Resubmittal

#### FEDERAL FY 11 (Lettings from November 2010 to September 2011)

	TIP YR	TGT LET	TIP ID	SECTION	SPONSOR	LOCATION	BOUNDARIES	TYPE	MATCH	STP	LOCAL	OTHER	TOTAL	MAX STP
	2011	04/11	08-05-0019	05-00069-00-CH	Glen Ellyn	Lambert Rd	at Roosevelt Rd	HWY	70%	238	102		340	286
	2011	04/11	08-10-0007	09-00041-00-RS	Burr Ridge	91st St. LAPP	Madison St. to County Line Rd.	HWY	70%	123	53		176	148
	2011	04/11	08-03-0109	00-00083-00-PV	Westmont	Pasquinelli Dr	at Ogden Ave	HWY	70%	620	265		885	744
	2011	06/11	08-05-0023	06-00034-00-PV	Burr Ridge	Madison St Improvements	at Joliet Rd.	HWY	70%	847	363		1,210	1,016
	2011	06/11	08-07-0013	08-00052-00-BT	Carol Stream	Kuhn Rd Multi-Use Path		TCM	75%	788	263	CMAQ	1,051	946
AF	2012	06/11	08-03-0114	06-00151-00-BR	Lombard	GWT Ped Bridges	at Grace St, UPW, St Charles Rd	TCM	75%	3,825	1,275		5,100	4,590
N AF	2013	06/11	08-11-0014	11-00176-00-RS	Elmhurst	Spring Road LAPP	Harrison St. to Vallette St.	HWY	70%	469	201		670	563
N AF	2012	06/11	08-11-0011	NO KICKOFF YET	Carol Stream	Kuhn Road LAPP	North Ave. (IL 64) to Lies Road	HWY	70%	630	270		900	756
N AF	2013	06/11	08-11-0012	NO KICKOFF YET	Carol Stream	Fair Oaks Road LAPP	North Ave. to Army Trail Rd.	HWY	70%	612	262		874	734
N AF	2013	06/11	08-11-0013	11-00177-00-RS	Elmhurst	West Ave. LAPP	First Street to Lake Street (US 20)	HWY	67%	669	327		995	802
N AF	2013	06/11	08-11-0014	11-00176-00-RS	Elmhurst	Spring Road LAPP	Harrison St. to Vallette St.	HWY	70%	469	201		670	563
AF	2012	08/11	08-00-0077	07-00232-04-WR	DuPage County	75th St.	Woodward Ave to Lyman Ave.	HWY	22%	2,500	8,904		11,404	3,000
AF	2012	08/11	08-00-0077	07-00232-04-WR	DuPage County	75th St.	Woodward Ave to Lyman Ave.	HWY	22%	2,500	8,904		11,404	3,000
AF	2013	09/11	08-10-0009	09-00171-00-CH	Elmhurst	York St. / IL 38 Interchange		HWY	70%	1,052	451		1,503	1,262
N AF	2013	2011	08-11-0015	NO KICKOFF YET	Woodridge	Center Drive LAPP	Janes Ave. to Woodridge Dr.	HWY	65%	237	128		365	285

TOTAL	15,579
FY11 FED MARK (LESS ADV USED IN 10)	5,556
FED BALANCE	-10,023
ADV. FUNDING NEEDED FROM FY12	10,023

#### FEDERAL FY 12 (Lettings from November 2011 to September 2012)

	TIP YR	TGT LET	TIP ID	SECTION	SPONSOR	LOCATION	BOUNDARIES	TYPE	MATCH	STP	LOCAL	OTHER	TOTAL	MAX STP
	2013	11/11	08-09-0011	09-00171-00-CH	Elmhurst	Butterfield Rd.	At Commonwealth Ave.	HWY	70%	799	342		1,141	959
	2013	11/11	08-00-0033	00-00064-00-BT	West Chicago	Bikeway - Geneva Spur	GW Trail to IPP	TCM	75%	436	365		801	523
R	2012	11/11	08-07-0003	01-00245-04-CH	DuPageCo.	Thorndale Ave.	I-290 to Park Ave.	HWY	67%	3,212	1,577		4,789	3,854
	2013	01/12	08-07-0021	08-00002-04-BT	DuPage Co	E Branch DP Rvr Trl	S. Lisle/Woodridge	TCM	75%	732	244		976	878
	2013	02/12	08-07-0008	10-00087-00-RS	Bensenville	Green St LAPP	York Rd to Village Limits	HWY	70%	770	330		1,100	924
	2013	03/12	08-04-0002	04-00094-02-SW	Downers Grove	Ogden Ave Sidewalks - Stage 2	Williams St to I-355	TCM	75%	1,286	429		1,715	1,543
R	2012	03/12	08-10-0008	NO KICKOFF YET	Itasca	Downtown Area Ped. Improvements	Various along Irving Park Rd.	TCM	75%	458	153		611	550
N	2013	03/12	08-11-0016	NO KICKOFF YET	Bensenville	Foster Ave. LAPP	York Rd. to IL 83	HWY	70%	393	168		561	472
N	2012	03/12	08-11-0017	NO KICKOFF YET	Bensenville	Church Road LAPP	Grove St. to Grand Ave.	HWY	70%	490	210		700	588
N	2013	03/12	08-11-0018	NO KICKOFF YET	Bensenville	Jefferson St. LAPP	Church Rd. to Mt. Prospect Rd.	HWY	70%	488	209		697	586
	2013	04/12	08-09-0010	NO KICKOFF YET	Bartlett	Schick Rd	At IL 59	HWY	70%	1,837	787		2,624	2,204
	MYB	04/12	08-00-0054	01-00181-00-FP	Naperville	95th Extension	Plainfield Rd to Boughton Rd	HWY	70%	7,263	3,112		10,375	8,716
N	2014	04/12	08-11-0019	NO KICKOFF YET	Naperville	Rickert Dr. LAPP	US 34 (Ogden Ave.) to 75th St.	HWY	50%	635	635		1,270	762
	2013	06/12	08-09-0012	10-00055-00-BT	Carol Stream	Fair Oaks Trail	GWT to Army Trail Rd.	TCM	75%	1,090	364		1,454	1,308
	2014	06/12	08-04-0011	05-00002-02-BT	DuPage Co	Benedictine Connect. Trail	Yackley Rd, College Rd, Maple Ave	TCM	75%	2,003	668		2,670	2,404
	2014	09/12	08-05-0013	06-00000-02-SP	DuPage County	Pedestrian-Rail Crossings	multiple locations	TCM	75%	359	120		479	431
	2013	2012	08-05-0020	05-00051-00-BT	Bloomingdale	East Branch DuPage River Trail	Glen Ellyn Rd to Army Train Rd	TCM	75%	390	130		520	468

TOTAL	22,641
FY12 FED MARK (LESS ADV USED IN 11)	1,110
FED BALANCE	-21,531
ADV. FUNDING NEEDED FROM FY13	11,320
ADV. FUNDING NEEDED FROM FY14	10,211