



July 16, 2014

ENGINEERING

ENVIRONMENTAL

INSPECTION

LAND SURVEYING

LAND ACQUISITION

PLANNING

WATER &
WASTEWATER

SINCE 1965

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1625 N. Post Road, Indianapolis, IN 46219 (317) 895-2585

Ms. Elizabeth Fizel, P.E.
Columbus City Engineer
123 Washington Street
Columbus, IN 47201

RE: Engineer's Report
3rd Street and State Street Urban Streetscape and Multi-Use Trail
from Lafayette Avenue to Mapleton Street

Dear Ms. Fizel:

We are pleased to present two copies of our Engineer's Report for the referenced project. The Engineer's Report contains the following items:

1. Project Description
2. Project Schedule
3. Professional Services Fees
4. Construction Cost Estimate and Detailed Quantities

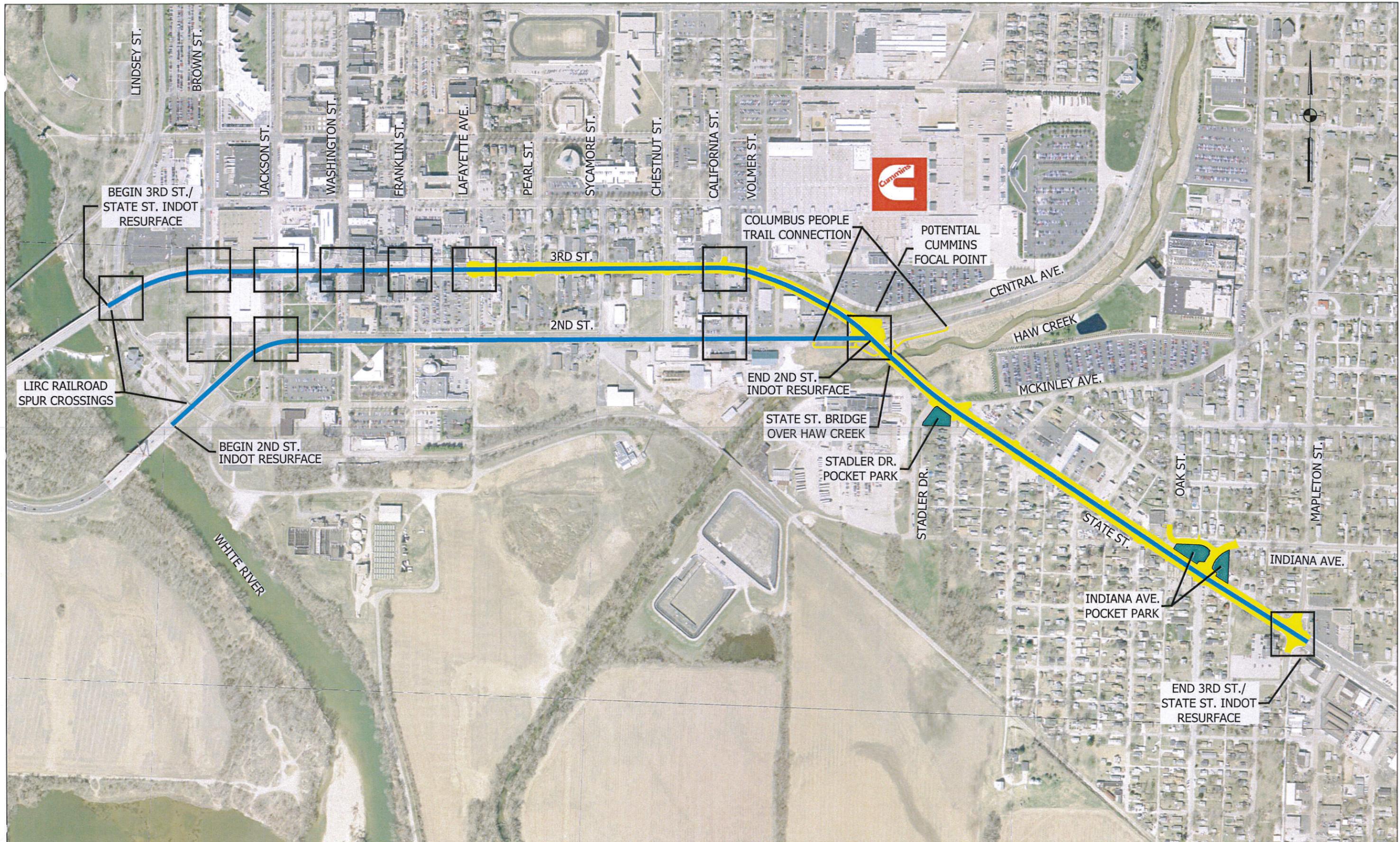
If you have any questions or comments, please contact our office at your convenience.

Sincerely,
UNITED CONSULTING

Dave Richter, PE, PLS
President

enclosures

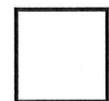
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STATE STREET MULTI-USE TRAIL
 INDOT RESURFACE PROJECT
 SIGNALIZED INTERSECTION



SIGNALIZED INTERSECTION

CITY OF COLUMBUS
 STATE STREET MULTI-USE TRAIL

PROJECT OVERVIEW MAP

City of Columbus
State Street Bike/Pedestrian Path

ID	Task Name	Duration	Start	Finish	2014												2015												2016							
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug					
1	State Street Bike/Pedestrian Path	420 days	Wed 7/23/14	Wed 3/2/16																																
2	Notice To Proceed	0 edays	Wed 7/23/14	Wed 7/23/14																																
3	Utility Identification	30 edays	Wed 7/23/14	Fri 8/22/14																																
4	Design Survey	56 edays	Wed 7/23/14	Wed 9/17/14																																
5	Preliminary Plans	119 edays	Wed 9/17/14	Wed 1/14/15																																
6	City of Columbus/INDOT Review	14 edays	Wed 1/14/15	Wed 1/28/15																																
7	Utility Verification	30 edays	Wed 1/14/15	Fri 2/13/15																																
8	Geotechnical Investigation	42 edays	Wed 1/14/15	Wed 2/25/15																																
9	Pavement Design	119 edays	Wed 2/25/15	Wed 6/24/15																																
10	Preliminary Field Check Meeting	0 edays	Mon 2/16/15	Mon 2/16/15																																
11	Right-of-Way Plans	21 edays	Mon 2/16/15	Mon 3/9/15																																
12	Utility Conflict Review	60 edays	Mon 2/16/15	Fri 4/17/15																																
13	City of Columbus/INDOT Review	14 edays	Mon 3/9/15	Mon 3/23/15																																
14	Regulatory Permits	224 edays	Mon 3/9/15	Mon 10/19/15																																
15	Stage 3 Plans	91 edays	Mon 3/9/15	Mon 6/8/15																																
16	City of Columbus/INDOT Review	28 edays	Mon 6/8/15	Mon 7/6/15																																
17	Utility Preliminary Work Plan	119 edays	Mon 6/8/15	Mon 10/5/15																																
18	Utility Work Plan Approval	28 edays	Mon 10/5/15	Mon 11/2/15																																
19	Final Tracings	21 edays	Mon 11/2/15	Mon 11/23/15																																
20	INDOT District Review	30 edays	Mon 11/23/15	Wed 12/23/15																																
21	Land Acquisition	190 days	Mon 3/9/15	Sat 11/28/15																																
22	Right-of-Way Engineering	28 edays	Mon 3/9/15	Mon 4/6/15																																
23	Appraisal Problem Analysis (APA)	28 edays	Mon 3/23/15	Mon 4/20/15																																
24	City of Columbus Review	7 edays	Mon 4/20/15	Mon 4/27/15																																
25	Appraisals	28 edays	Mon 4/27/15	Mon 5/25/15																																
26	Review Appraisals	28 edays	Mon 5/11/15	Mon 6/8/15																																
27	City of Columbus Approval of Offers	7 edays	Mon 6/8/15	Mon 6/15/15																																
28	Negotiating/Buying	91 edays	Mon 6/15/15	Mon 9/14/15																																
29	INDOT Right-of-Way Certification	75 edays	Mon 9/14/15	Sat 11/28/15																																
30	INDOT Ready For Contracts	0 edays	Wed 12/23/15	Wed 12/23/15																																
31	INDOT Contracts	70 edays	Wed 12/23/15	Wed 3/2/16																																
32	INDOT Letting	0 edays	Wed 3/2/16	Wed 3/2/16																																

City of Columbus
 3rd Street and State Street Urban Streetscape and Multi-Use Trail
 from Lafayette Avenue to N. Mapleton Street

Professional Services Fees

<u>Description</u>	<u>United</u>	<u>Subs</u>	<u>Total</u>
Project Management	\$ 33,800	\$ -	\$ 33,800
Public Outreach and Stakeholder Liaison	\$ 31,400	\$ -	\$ 31,400
Topographic Survey	\$ 58,700	\$ 11,500	\$ 70,200
Geotechnical Investigation	\$ -	\$ 24,700	\$ 24,700
Regulatory Permits	\$ 19,800	\$ -	\$ 19,800
Road and Path Design and Plans	\$ 330,000	\$ 279,000	\$ 609,000
Pavement Marking and Signing Design and Plans	\$ 25,800	\$ -	\$ 25,800
Pavement Design	\$ 12,500	\$ -	\$ 12,500
Traffic Signal Modification (12 Signals)	\$ 44,900	\$ -	\$ 44,900
People Trail Connection at Haw Creek	\$ 13,800	\$ 35,000	\$ 48,800
Retaining Wall Design and Plans	\$ 30,300	\$ -	\$ 30,300
Haw Creek Hydraulic Analysis	\$ 35,000	\$ -	\$ 35,000
Bridge Design and Plans	\$ 33,100	\$ 17,600	\$ 50,700
Utility and Railroad Coordination	\$ 36,700	\$ -	\$ 36,700
Lighting Design and Plans	\$ 35,000	\$ 18,900	\$ 53,900
Stadler Pocket Park	\$ 3,800	\$ 32,000	\$ 35,800
Indiana Avenue Pocket Parks	\$ 7,600	\$ 65,000	\$ 72,600
TOTAL PRELIMINARY ENGINEERING	\$ 752,200	\$ 483,700	\$ 1,235,900

	<u>Parcels</u>	<u>Unit Price</u>	
Title Search	24	\$450	\$ 10,800
Right-of-Way Engineering	24	\$2,500	\$ 60,000
Appraisal Problem Analysis (APA's)	24	\$200	\$ 4,800
TOTAL RIGHT-OF-WAY ENGINEERING			\$ 75,600

TOTAL LAND ACQUISITION

To Be Determined

(1) Includes Rule 5, IDEM 401, USACOE 404, DNR Construction in a Floodway

City of Columbus
 3rd Street and State Street Urban Streetscape and Multi-Use Trail
 from Lafayette Avenue to N. Mapleton Street

Construction Cost Summary

<u>Description</u>	<u>Total</u>
Road and Trail Construction (2016)	\$ 7,397,000
Bridge Construction (2016)	\$ 533,000
Stadler Pocket Park (2016)	\$ 339,000
Indiana Avenue Pocket Parks (2016)	\$ 799,000
People Trail Connection at Haw Creek (2016)	\$ 1,376,000
TOTAL CONSTRUCTION COST	\$ 10,444,000
INDOT Funding (1383670) Resurface	\$ 970,000
INDOT Funding (1383197) Signals	\$ 590,000
INDOT Funding (1400586) Signals	\$ 80,000
TOTAL INDOT FUNDING	\$ 1,640,000
TOTAL CITY OF COLUMBUS FUNDING REQUIREMENT	\$ 8,804,000
POST BID DESIGN SERVICES	To Be Determined
POST BID UTILITY COORDINATION	To Be Determined
CONSTRUCTION INSPECTION	To Be Determined

City of Columbus
3rd Street and State Street Urban Streetscape and Multi-Use Trail
from Lafayette Avenue to N. Mapleton Street

Road and Trail Construction Cost Summary

Description	2016 Construction Cost
Road and Trail Items	\$ 4,040,000
Landscape Items	\$ 2,244,000
Wayfinding Signing Items	\$ 102,000
Trail Lighting Items	\$ 1,011,000
TOTAL ROAD AND TRAIL CONSTRUCTION COST	\$ 7,397,000