Scope of Work, Deliverables and Schedule Fabyan Parkway (CH 21) from IL 38 to County Line Section 08-00210-03-FP June 27, 2024 Page 1 of 4

KNIGHT

SCOPE OF WORK

Proposed improvements to Fabyan Parkway (CH 21) from IL 38 to the County Line, Section 08-00210-03-FP, are anticipated to include two 12-foot thru lanes in each direction separated by an 18-foot barrier median, with dual left turn lanes and a right turn lane in both directions at the intersection of Fabyan Parkway and Technology Boulevard. Additional scope includes a multi-use path on the south side of Fabyan Parkway between Technology Boulevard and McChesney Road, a combination of open and closed drainage, and the replacement of the double box culvert at Kress Creek.

The proposed limits of construction will extend from approximately eight hundred feet west of IL 38 to the DuPage/Kane County line. The limits of improvement measure approximately 8,000 feet.

During the development of the Phase II plans, after the prefinal submittal, meetings were held with DuPage County Stormwater Management (Stormwater) and the City of West Chicago to discuss the project's use of the Kress Creek Reservoir for detention and compensatory storage for the Fabyan Parkway Project and general project detention and compensatory storage requirements. There was prior discussions during Phase I that would have allowed excess capacity of the reservoir to be use for the roadway detention and compensatory storage. From the meetings with Stormwater and West Chicago, additional modeling and permitting would be required in order to determine if the reservoir had the additional capacity needed for the roadway project. DuPage County decided that in order to keep the project on schedule, they would pursue a design that provides detention and compensatory storage on the project site. New detention calculations, new compensatory storage calculations, revised plans, right-of-way analysis, new/revised quantities, and revised stormwater permit application will be required meeting the City of West Chicago requirements will be required.

During the development of Phase II plans, after the prefinal submittal, DuPage County Division of Transportation received notice that the Aeronautical Study which was submitted in 2009 was expired and con not be extended. A new Aeronautical Study must be submitted and approved in order for construction to be allowed. Filing of Form 7460-1 and location exhibit is required in order to obtain a Determination of No Hazard to Air Navigation Letter for this project.

Knight proposes to perform the following supplemental Phase II Engineering services. These services are in addition to the services provided in the original agreement dated May 10, 2020 and Amendment 1 dated August 29, 2024 . The attached Workhour Estimate and CECS provide additional detailed information in a similar order as provided below.

Scope of Work, Deliverables and Schedule Fabyan Parkway (CH 21) from IL 38 to County Line Section 08-00210-03-FP June 27, 2024 Page 2 of 4

KNIGHT

Stormwater Detention and Compensatory Storage Determination and Analysis

Fabyan Parkway will need detention and compensatory storage provided for the increased imperviousness and fill in the floodplain from the widening and reconstruction. Previously, the volumes for this were assumed to be provided in the Kress Creek reservoir, which is unknown if it is presently available to be used. Because of this, a new concept and analysis is needed for detention and compensatory storage. Additionally, the Stormwater Permit application which was developed for the Kress Creek Reservoir for submittal to DuPage County Stormwater Management will need to be modified to reflect the new concept/analysis and to be submitted to the City of West Chicago. Knight will provide the following:

- o Outlet evaluation of all six outlets
- Calculate pre- and post-development runoff rates using NRCS Curve Number and TR-55 methods
- o Delineate drainage subbasins
- o XPSWMM model setup for existing and proposed conditions for all six outlets
- O Size outlet structure to meet release rate criteria
- o Design overflow spillway to prevent upstream flooding
- o Attempt to locate detention in available ROW thru oversized ditches and/or storm sewers
- o Attempt to locate Compensatory Storage volume in available ROW to accommodate floodway fill
- o Recommend necessary revisions to right of way and/or easements to accommodate detention and compensatory storage areas.
- o Prepare technical memorandum that documents the results and recommendation
- Coordinate with DuPage County and West Chicago and Prepare a Disposition of Comments to address comments.
- o Revise Proposed Drainage Plans and Profiles, Drainage Schedules
- o Develop Detention Basin and Outlet Control Details
- o Develop Detention Basin Grading
- o Develop Detention volume calculations to show what is required
- o Develop Compensatory Storage Calculations to show what is required
- o Develop a concept plan that reflects the Detention and Compensatory Storage, requirements
- o Revise the Stormwater Permit Application to reflect the new concepts
- o Provide City of West Chicago site development permit application.

Deliverables: Detention and Compensatory Storage Calculations and Concept Plan, Revised Stormwater Permit Application, City of West Chicago Site Development Permit Application.

Scope of Work, Deliverables and Schedule Fabyan Parkway (CH 21) from IL 38 to County Line Section 08-00210-03-FP June 27, 2024 Page 3 of 4



PreFinal Plan Resubmittal

Based on the findings of the Stormwater Detention Analysis, Plans, Specifications, and Estimates will be revised to reflect the requirements of the Stormwater Detention and Compensatory Storage Analysis. Additionally, grading of the southern shoulder area from Kress Creek to the Poorman development for a future multi-use path shelf will be investigated and provided if feasible. We anticipate the following will be revised:

Sheets to have design updates:

4 sheets Summary of Quantities Schedules 5 sheets Maintenance of Traffic 6 sheet **Erosion Control Plans** 15 sheets **Drainage Plans** 15 sheets **Drainage Schedules** 8 sheets Landscaping Plans 15 sheets **Cross Sections** 60 sheets Plan Detail for Comp. Storage 1 sheet (new) Outlet Control Structures Details 1 sheet (new)

Sheets that will have updates due to revised ROW, easements, structures, pipes, etc:

Removal Plans
Plan and Profiles
15 sheets
Maintenance of Traffic
Pavement Marking and Signing Plan
Temporary Traffic Signal Plan
Traffic Signal Plans
Lighting Plans
15 sheets
2 sheets
15 sheets

Specifications will need to be updated for new pay items Cost Estimate will need to be updated for quantity revisions

Deliverables: Knight will provide revised plans, specifications, and cost estimate reflecting the changes associated with the detention and compensatory storage changes identified in the previous task.

Aeronautical Study

Due to the expiration of the 2009 Aeronautical Study, a new submission is required to the FAA. Knight will prepare FAA Form 7640-1 along with a location exhibit on a USGS 7.5 minute Quadrangle Map and submit to the FAA for review. The expected result of this is a Determination of No Hazard to Air Navigation Letter, since nothing has changed since the 2009 submittal. One round of comments and resubmittal is included in this work.

Deliverables: Knight will submit FAA Form 7640-1 and location exhibit. Knight will respond to one round of comments and resubmit the required documents in order to obtain a Determination of No Hazard to Air Navigation Letter.

Scope of Work, Deliverables and Schedule Fabyan Parkway (CH 21) from IL 38 to County Line Section 08-00210-03-FP June 27, 2024 Page 4 of 4



Coordination

Meetings with DuPage County Stormwater Management, City of West Chicago, and DuPage County are needed to discuss the projects path forward regarding the change in stormwater design. Knight will or has attended three (3) meetings and will/has prepared agendas and meeting minutes.

Assumptions

All assumptions from the original agreement and Amendment 1 are still in effect. There are no new general assumptions, other than what is outlined in the proposed items above.

QC/QA

All work shall be completed to meet current IDOT and DuPage County policies, procedures and standards and reviewed according to Knight quality control and quality assurance procedures.

Payroll Escalation Table Fixed Raises DLM 2.80

Knight E/A, Inc. FIRM NAME: DATE: 06/27/24 PRIME/SUPPL: PTB NO. Prime N/A ROUTE: Fabyan Pkwy (CH 21) SECTION: 08-00210-03-FP COUNTY: **DuPage CONTRACT TERM MONTHS OVERHEAD RATE** 141.08% 24 START DATE 6/1/2024 **COMPLEXITY FACTOR RAISE DATE** 1/1/2025 % OF RAISE 3.00% 6/1/2024 1/1/2025 1/2/2025 1/1/2026 1/2/2026 6/1/2026 12 5 51.50% 29.17% 22.10%

2.77%

The total escalation for this project would be:

Payroll Rates

06/27/24 DATE

 FIRM:
 Knight E/A, Inc.

 ROUTE:
 Fabyan Pkwy (CH 21)

 SECTION:
 08-00210-03-FP

 COUNTY:
 DuPage

 JOB NO.:
 N/A

ESCALATION FACTOR = 2.77%

CLASSIFICATION	CURRENT RATE	ESCALATED RATE
Principal (Vice President)	\$78.00	\$78.00
Project Manager (Prinicpal Engineer)	\$76.61	\$78.00
Senior Engineer II, Planner II	\$71.64	\$73.62
Senior Engineer I, Planner I	\$68.46	\$70.36
Project Engineer II, Planner II	\$61.20	\$62.89
Project Engineer I, Planner I	\$55.85	\$57.40
Engineer IV, Planner IV	\$49.38	\$50.75
Engineer III, Planner III	\$44.57	\$45.80
Engineer II, Planner II, Designer III	\$40.93	\$42.06
Engineer I, Planner I, Designer II	\$32.20	\$33.09
Senior Administration	\$71.39	\$73.37
Office Administration	\$27.40	\$28.16
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00
		\$0.00

Cost Estimate of Consultant Services

(Direct Labor Multiple)

 FIRM:
 Knight E/A, Inc.
 DATE:
 06/27/24

 ROUTE:
 Fabyan Pkwy (CH 21)
 OVERHEAD RATE
 141.08%
 12/21/2023

 SECTION:
 08-00210-03-FP
 COMPLEXITY FACTOR
 0

 COUNTY:
 DuPage

JOB NO.: N/A

DBE DROP BOX	ITEM	MANHOURS	PAYROLL	(2.80+R) x PAYROLL	DIRECT COSTS	SERVICES BY OTHERS	DBE TOTAL	TOTAL	% OF GRAND TOTAL
		(A)	(B)	(C)	(D)	(E)	(C+D+E)	(C+D+E)	
	Phase II Plan Development	196	11,839.00	33,149.20				33,149.20	43.93%
	Other Phase II PS&E Tasks	46	2,982.80	8,351.84				8,351.84	11.07%
	Stormwater Detention and Compensatory S	136	8,859.96	24,807.89				24,807.89	32.88%
	Aeronautical Study	12	769.62	2,154.94				2,154.94	2.86%
	Administration	16	1,248.00	3,494.40				3,494.40	4.63%
	QAQC	16	1,248.00	3,494.40				3,494.40	4.63%
	TOTALS	422	26,947.38	75,452.66	0.00	0.00	0.00	75,452.66	100.00%

DBE	0.00%

AVERAGE HOURLY PROJECT RATES

FIRM:	Knight E/A, Inc.	ROUTE:	Fabyan Pkwy (CH 21)		DATE:	06/2	27/24	
JOB NO.:	N/A	SECTION:	08-00210-03-FP					
	<u> </u>	COUNTY:	DuPage	5	SHEET _	1	of	2

	Avg	Total	Project Ra	toc	Dhaca II	Plan Deve	lonmont	Other	Phase II PS&E	Tacke	nd Compo	nsatory St	orago Dot	Aor	onautical S	tudu	Λ.	dministrati	<u> </u>
Payroll	_	Hours	%		Hours	%		Hours	%		Hours		_	Hours	%		Hours		_
Classification	Houlry Rates	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal (Vice President)	78.00	0	T urt.	Arg		- u.u.	Avg		T GIT.	Avg		i uiti	Arg		T CITE	Avg		T CIT CI	
Project Manager (Prinicpal Engineer)	78.00	57	13.51%	10.54				5	10.87%	8.48	20	14.71%	11.47				16	100.00%	78.00
Senior Engineer II, Planner II	73.62	20	4.74%	3.49							20	14.71%	10.83						
Senior Engineer I, Planner I	70.36	58	13.74%	9.67	30	15.31%	10.77	10	21.74%	15.30	16	11.76%	8.28	2	16.67%	11.73			
Project Engineer II, Planner II	62.89	130	30.81%	19.37	80	40.82%	25.67	20	43.48%	27.34	20	14.71%	9.25	10	83.33%	52.41			
Project Engineer I, Planner I	57.40	121	28.67%	16.46	50	25.51%	14.64	11	23.91%	13.73	60	44.12%	25.32						
Engineer IV, Planner IV	50.75	36	8.53%	4.33	36	18.37%	9.32												
Engineer III, Planner III	45.80	0																	
Engineer II, Planner II, Designer III	42.06	0																	
Engineer I, Planner I, Designer II	33.09	0																	
Senior Administration	73.37	0																	
Office Administration	28.16	0																	
0	0.00	0																	
0	0.00	0																	
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TOTALS		422	100%	\$63.86	196	100.00%	\$60.40	46	100%	\$64.84	136	100%	\$65.15	12	100%	\$64.14	16	100%	\$78.00

AVERAGE HOURLY PROJECT RATES

FIRM:	Knight E/A, Inc.	ROUTE:	Fabyan Pkwy (CH 21)	DATE:	06/2	7/24	
JOB NO.:	N/A	SECTION:	08-00210-03-FP	·			
	<u> </u>	COUNTY:	DuPage	SHEET	2	of	2

Down II			QAQC																
Payroll Classification	Rate	Hours	% Part.	Wgtd Avg															
Principal (Vice President)	78.00												, i						
Project Manager (Prinicpal Engineer)	78.00	16	100.00%	78.00															
Senior Engineer II, Planner II	73.62																		
Senior Engineer I, Planner I	70.36																		
Project Engineer II, Planner II	62.89																		
Project Engineer I, Planner I	57.40																		
Engineer IV, Planner IV	50.75																		
Engineer III, Planner III	45.80																		
Engineer II, Planner II, Designer III	42.06																		
Engineer I, Planner I, Designer II	33.09																		
Senior Administration	73.37																		
Office Administration	28.16																		
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TOTALS		16	100%	\$78.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

Illinois Department of Transportation
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Direct Costs Check Sheet

Prime Consultant Name	PTB Number State Job Number(s)		1				
Knight E/A, Inc.	N/A N/A							
Consultant	·			_				
n/a								
Item	Allowable	Utilize W.O. Only	Quantity J.S. Only	Contract Rate	Total			
Per Diem (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum							
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost (Up to state rate maximum)							
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost							
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval							
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum							
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day							
Vehicle Rental	Actual cost (Up to \$55/day)							
Rental Vehicle Fuel	Actual cost (Submit supporting documentation)							
Tolls	Actual cost							
Parking	Actual cost							
Overtime	Premium portion (Submit supporting documentation)							
Shift Differential	Actual cost (Based on firm's policy)							
Overnight Delivery/Postage/Courier Service	Actual cost (Submit supporting documentation)							
Copies of Deliverables/Mylars (In-house)	Actual cost (Submit supporting documentation)							
Copies of Deliverables/Mylars (Outside)	Actual cost (Submit supporting documentation)							
Project Specific Insurance	Actual cost							
Monuments (Permanent)	Actual cost							
Photo Processing	Actual cost							
2-Way Radio (Survey or Phase III Only)	Actual cost							
Telephone Usage (Traffic System Monitoring Only)	Actual cost							

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Item	Allowable	Utilize W.O. Only	Quantity J.S. Only	Contract Rate	Total
CADD	Actual cost (Max \$15/hour)				
Website	Actual cost (Submit supporting documentation)				
Advertisements	Actual cost (Submit supporting documentation)				
Public Meeting Facility Rental	Actual cost (Submit supporting documentation)				
Public Meeting Exhibits/Renderings & Equipment	Actual cost (Submit supporting documentation)				
Recording Fees	Actual cost				
Transcriptions (specific to project)	Actual cost				
Courthouse Fees	Actual cost				
Storm Sewer Cleaning and Televising	Actual cost (Requires 2-3 quotes with IDOT approval)				
Traffic Control and Protection	Actual cost (Requires 2-3 quotes with IDOT approval)				
Aerial Photography and Mapping	Actual cost (Requires 2-3 quotes with IDOT approval)				
Utility Exploratory Trenching	Actual cost (Requires 2-3 quotes with IDOT approval)				
Testing of Soil Samples*	Actual cost (Provide breakdown of costs to the Department for approval)				
Lab Services*	Actual cost (Provide breakdown of cost for each lab service to the Department's PM for approval)				
Equipment and/or Specialized Equipment Rental*	Actual cost (Rental - 2-3 quotes needed / Owned - provide depreciated value for IDOT approval)				
				otal Direct Cost	

*If other allowable costs are needed and not listed, please add in the above spaces provided.

LEGEND

W.O. = Work Order

J.S. = Job Specific

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Workhour Estimate

Fabyan Parkway (CH 21)

Type of Work: Phase II Engineering (Ammendment 2 Draft)
Route: Fabyan Parkway (CH 21)

Location: IL 38 to DuPage/Kane County Line Interchange

Section: 08-00210-03-FP

Task Item Shits Plan Development 10 Cover Sheet Largery More, Largery Miss Regin, Commitments 10 Cover Sheet Largery Miss Regin Larg	Route: Fabyan Parkway (CH 21)		٤	Section: <u>08-00210-03-FP</u>
1) Cover Sheet, Index, Standards 2) Gornel Notes, Logand, Mix Red, Commitments 3) Summary of Quantities 3) Summary of Quantities 4) Typical Serions 5) Schedule of Quantities 5) Schedule of Quantities 6) Survey Layout Information (Alignments, Ties, BMs) 7) Removed Plans 7) Taffic Control (Staging) Plans 7) Plan Details for Committee Street (Knodway) 7) Plan Details of Committee Street (Knodway) 8) Taffic Control (Staging) Plans 8) Decour	Task Item	Shts	Hours	Workhour Calculations/ Remarks
20 General Notes, Lagand, Mis Reqs. Commitments	A) Phase II Plan Development			
Section Sect	Cover Sheet, Index, Standards			
1 Survey Layout Information (Alignments, Ties, BMIs) 5 5 5 5 5 5 5 5 5	2) General Notes, Legend, Mix Req's, Commitments			
S Schedule of Quantities S Survey Layout Information (Alignments, Ties, BM's) Removal Plans Plan and Profits Sheets (Roadway) Traffic Control (Steging) Plans Plan and Profits Sheets (Roadway) Traffic Control (Steging) Plans Traffic Control (Steging) Plans MOT staging Coordination for NRR Letters Modern Plans Traffic Spine Plans Traffic Spine Plans Traffic Spine Plans Reviewed Layout Endown and Sediment Control Plans Traffic Spine Pl	3) Summary of Quantities	4	4	items for control structures, oversized pipes, etc.
Society Layout Information (Alignments, Ties, Bris) Society Layout Information (Alignments, Elevation) Society Layout Information (Alignments) Society Lay	4) Typical Sections			
Para Normal Plans	5) Schedule of Quantities	5	10	
Plan and Profile Sheets (Roadway)	6) Survey Layout Information (Alignments, Ties, BM's)			
Plan and Profile Sheets (Roadway)	7) Removal Plans	15	1	
9 Traffic Control (Staging) Plans 9a) MOT staging Coorindation for NRR Letters 10) Defour Plans 11) Soil Erosion and Sediment Control Plans 11) Soil Erosion and Sediment Control Plans 12) Drainage and Utilities Plans (Roadway) 13) Plan Details for Compensatory Storage Areas 14) Plan Details for Compensatory Storage Areas 15) Intersection and ADA Ramp Details 16) Superielvation Details 17) Representation and ADA Ramp Details 18) Intersection and ADA Ramp Details 19) Individual Plans 10) Intersection and ADA Ramp Details 10) Individual Plans 11) Representation Details 11) Superielvation Details 11) Superielvation Details 12) Individual Plans 13) Plan Details for Compensatory Storage Areas 14) Right-of-Way Plans 15) Intersection and ADA Ramp Details 16) Superielvation Details 17) Representation ADA Ramp Details 18) Individual Plans 19) Traffic Signal Plans 10) Individual Plans 10) Traffic Signal Plans 10) Traffic Signal Plans 10) Traffic Signal Plans 11) Plans 12) Traffic Signal Plans 13) Traffic Signal Plans 14) Traffic Signal Plans 15) Traffic Signal Plans 16) Temporary Traffic Signal Plans 17) Traffic Signal Plans 18) Concentration of 2: Plans Plans 19) Traffic Signal Plans 10) Traffic Signal Plans 11) Traffic Signal Plans 11) Traffic Signal Plans 11) Traffic Signal Plans 11) Traffic Signal Plans 12) Individual Value Plans 13) Plans Plans 14) Plans Plans 15) Plans Plans 15) Plans Plans 16) CabierConduit Layout and Design 16) CabierConduit Layout and Design 17) Plans Plans 18) Lighting Plans 19) Traffic Designal Design 10) CabierConduit Layout and Design 10) Plans Plans 11) Plans Plans 11) Plans Plans 11) Plans Plans 12) Lighting Plans 13) Plans Plans 14) Plans Plans 15) Plans Plans 15) Plans Plans 16) CabierConduit Layout and Design 16) CabierConduit Layout and Design 17) Plans Plans 18) Plans Plans 19) Plans Plans 19) Plans Plans 10) Plans Plans 10) Plans Plans 10) Plans Plans 11) Plans Plans 11) Plans Plans 12) Plans Plans 12) Plans Plans 13) Plans Plans 14) Plans Plans 15) Plans Plans 16) Plans Plans 17) Pla	8) Plan and Profile Sheets (Roadway)	15	1	Ancilary updates to sheets due to revisions to Right of way, easetments, structures, etc.
10) Detour Plans 11) Soil Erosion and Sediment Control Plans 12) Drainage and Utilities Plans (Roadway) 13) Plan Details for Compensatory Storage Areas 14) Plan Details for Compensatory Storage Areas 15) Plan Details for Compensatory Storage Areas 16) Right-of-Way Plans 17) Pavement Marking and Signing Plans 18) Landscaping Plans 19) Traffic Signal Plans 10) Secenario #3: Fiber East to Private Drive 10) Secenario #3: Fiber East to Private Drive 11) Secenario #3: Fiber East to Private Drive 12) Lighting Design 13) Dischard Controller and Panel Equipment Details 14) Signal Plans 15) Secenario #3: Fiber Basis to Private Drive 16) Controller and Panel Equipment Details 17) Plans Sheets 18) Dischardor Anno Panel Equipment Details 19) Secenario #3: Fiber Basis to Private Drive 20) Controller and Panel Equipment Details 21) Lighting Plans 22) Lighting Plans 23) Lighting Plans 24) Lighting Plans 25) Lighting Plans 26) Secenario #3: Fiber Basis to Private Drive 27) Lighting Plans 28) Lighting Plans 29) Lighting Plans 20) Lighting Plans 20) Lighting Plans 20) Lighting Plans 21) Lighting Design 21) Lighting Design 22) Lighting Plans 23) Lighting Plans 24) Lighting Plans 25) Lighting Plans 26) Lighting Plans 27) Lighting Plans 28) Lighting Plans 29) Lighting Plans 20) Lighting Plans 20) Lighting Design 20) Lighting Plans 21) Lighting Design 21) Lighting Design 22) Lighting Plans 23) Lighting Design 24) Lighting Design 25) Lighting Plans 26) Lighting Design 27) Lighting Plans 28) Lighting Design 29) Lighting Plans 20) Lighting Plans 20) Lighting Design 20) Lighting Design 21) Lighting Design 21) Lighting Design 22) Lighting Design 23) Lighting Design 24) Lighting Design 25) Lighting Plans 26) Lighting Plans 27) Lighting Plans 28) Lighting Design 29) Lighting Plans 29) Lighting Plans 20) Lighting Plans 20) Lighting Plans 20) Lighting Plans 21) Lighting Design 21) Lighting Plans 22) Lighting Plans 23) Lighting Plans 24) Lightin	9) Traffic Control (Staging) Plans	21	8	6 sht @ 0.5 hr/sht Right of Way and Easement changes
Soil Erosion and Sediment Control Plans	9a) MOT staging Coorindation for NRR Letters			
11) Soil Erosion and Sediment Control Plans 12) Prainage and Utilities Plans (Roadway) 13) Plan Details for Compensatory Storage Areas 14) Right-of-Way Plans 15) Intersection and ADA Ramp Details 15) Intersection and ADA Ramp Details 16) Superelevation Details 17) Pavement Marking and Signing Plans 18) Landscaping Plans 18) Landscaping Plans 19) Traffic Signal Plans 19) Traffic Signal Plans 19) Traffic Signal Plans 10) Traffic Signal Plans 11) Traffic Signal Plans 11) Traffic Signal Plans 12) Traffic Signal Plans 13) Scenario #1: Cellular Install 14) Scenario #3: Fiber East to Private Drive 15) Lighting Design 16) Cabelic/Conduit Layout and Design 17) Plans Reets 18) Controller and Anabes (#2) Plans Reets 18) Controller and Panel Equipment Details 19) Controller and Panel Equipment Details 10) Controller and Panel Equipment Details 11) Designal Design 11) Designal Design 12) Lighting Design 13) Controller and Panel Equipment Details 14) Controller and Panel Equipment Details 15) Controller and Panel Equipment Details 16) Controller and Panel Equipment Details 17) Plans Sheets 18) Controller and Panel Equipment Details 18) Controller and Panel Equipment Details 19) Controller and Panel Equipment Details 19) Controller and Panel Equipment Details 10) Miss Electrical Details 11) Light Foundation and Ancher Bott Details 11) Light Foundation and Ancher Bott Details 11) Light Foundation and Ancher Bott Details 11) Traffic Signal Plans 12) Traffic Signal Details 13) Traffic Signal Details 14) Light Foundation and Ancher Bott Details 15) Light Foundation and Ancher Bott Details 16) Light Foundation and Ancher Bott Details 17) Light Foundation and Ancher Bott Details 18) Light Foundation and Ancher Bott Details 19) Traffic Signal Plans 10) Traffic Signal Plans 10) Traffic Signal Plans 11) Light Foundation and Ancher Bott Details 11) Light Foundation and Ancher Bott Details 12) Light Foundation and Ancher Bott Details 13) Traffic Signal Plans 14) Light Foundation and Ancher Bott Details 15) Light Foundation and Ancher Bo	10) Detour Plans			
13) Plan Details for Compensatory Storage Areas 1 1 16 New sheet 1 sht @ 16hr/sht 14) Right-of-Way Plans 15) Intersection and ADA Ramp Details 16) Superelevation Details 17) Pavement Marking and Signing Plans 18) Landscaping Plans 19) Traffic Signal Plans 19) Traffic Signal Plans 115 1 Ancilary updates to sheets due to revisions to Right of way, easetments, structures, etc. and check for conflicts 1 hour total and	11) Soil Erosion and Sediment Control Plans	15	8	
13) Plan Details for Compensatory Storage Areas 14) Right-of-Way Plans 15) Intersection and ADA Ramp Details 16) Superelevation Details 17) Pavement Marking and Signing Plans 18) Landscaping Plans 18) Landscaping Plans 19) Traffic Signal Plans 15) 1 Ancilary updates to sheets due to revisions to Right of way, easetments, structures, etc. and check for conflicts 1 hour total 19) Traffic Signal Plans 19) Traffic Signal Plans 15) 1 Ancilary updates to sheets due to revisions to Right of way, easetments, structures, etc. and check for conflicts 1 hour total 19) Traffic Signal Plans 19) Traffic Signal Plans 10) Traffic Signal Plans 11) Traffic Signal Plans 12) Traffic Signal Interconnect Plans 13) Scenario #1: Cellular Install 14) Scenario #2: Fiber West to Kautz Road 15) Scenario #3: Fiber East to Private Drive 16) Suphring Plans 17) Traffic Signal Plans 18) Lighting Design 19) Cable/Conduit Layout and Design 19) Cable/Conduit Layout and Design 19) Wiring and Diagram Details 19) Controller and Panel Equipment Details 19) Misc Electrical Details 19) Misc Electrical Details 19) Misc Electrical Details 19) Misc Electrical Details 10) Temporary Lighting Plans 10) Lighting Plans 11) Lighting Plans 12) Lighting Plans 13) Lighting Plans 14) Lighting Plans 15) Lighting Plans 16) Lighting Plans 17) Light Foundation and Anchor Bolt Details 18) Lighting Plans 19) Lighting Plans 10) Lighting Plans 11) Lighting Plans 11) Lighting Plans 12) Lighting Plans 13) Lighting Plans 14) Lighting Plans 15) Lighting P	12) Drainage and Utilities Plans (Roadway)	23	61	
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g) Misc Electrical Details 23) Temporary Lighting Plans	e) Controller and Panel Equipment Details			
23) Temporary Lighting Plans 2	f) Light Foundation and Anchor Bolt Details			
	g) Misc Electrical Details			
24) Bridge Plans	23) Temporary Lighting Plans			
\mathbf{i}	24) Bridge Plans			

Workhour Estimate Fabyan Parkway (CH 21) Type of Work: Phase II Engineering (Ammendment 2 Draft) Location: IL 38 to DuPage/Kane County Line Interchange Route: Fabyan Parkway (CH 21) Section: 08-00210-03-FP Task Item Shts Hours Workhour Calculations/ Remarks 25) Wetland Details 26) Culvert Plans New Ditch check and Outlet control structure details 27) Misc Details 1 8 Cross sections will need to be updated to reflect ditch regrading and widening. Assume 28) Cross Sections 60 60 120 cross section at 0.5 hour/section (2 sections/sht=60 sheets) 29) Highway Standards Sub-total A) 220 196 B) Other Phase II PS&E Tasks 1) Quantity Calculations 12 Quantity revisions for earthworks, new oversized storm sewers, structures. 2) Special Provisions New special pay items will be required for control structures, and ditch checks 12 3) Estimate of Cost 10 Cost estimate will need updating to reflect revised and new pay items 4) Estimate of Time 5) Site Visits 6) Phase III Consultation 7) Meetings 12 Three meetings, agendas, minutes 2 people @ 2hr/meeting 3 meetings Sub-total B) 46 C) Plats and Legal Descriptions 1) Refine/Finalize Pr ROW and Easement Limits 2) Land Boundary/Owner Research, Field Monument Verif 3) Title Commitments 4) Prepare ROW and Easement Plats 5) Prepare ROW and Easement Legal Descriptions 6) Monument all Permanent Parcels and Permanent Easements 7) Coordination of Land Acquisition Services Sub-total C) 0 D) Appraisal, Appraisal Review and Negotiation 1) Appraisal Services 2) Review Appraisal Services 3) Negotiation Services 4) Parcel Acquisitions & Close-out Services 5) Coordination of Land Acquisition Services 0 E) Design, Permitting and Coordination 1) Coordinate Intersection and Traffic Signal Impacts at IL 38

2) Pre-Construction Informational Meeting

Guardrail LON Assessment/Calculations
 US Army Corps Regional Permit Application
 Storm Water and Floodway Permitting
 IEPA Notice of Intent (NOI) and SWPPP

3) Utility Coordination4) Pavement Design

Workhour Estimate	Fabyan Parkway (CH 21									
Type of Work: Phase II Engineering (Ammendment 2 Draft) Route: Fabyan Parkway (CH 21)	-		ocation: IL 38 to DuPage/Kane County Line Interchange Section: 08-00210-03-FP							
Task Item	Shts	Hours	Workhour Calculations/ Remarks							
9) DuPage County Coordination Meetings (assume 3 mtg)										
10) IDOT Local Roads Coordination Meeting										
11) CCDD Evaluation/Coordination										
12) Jurisdiction Wetland Determination Updates										
13) Proposed R.O.W. and Easements										
14) Fabyan/Technology Boulevard Intersection										
Sub-total E)		0								
F) As-needed										
15) As needed hours (to be authorized by DuPage County)			Hours to be authorized for use by DuPage County for out of scope items							
Sub-total F)		0								
G) Stormwater Detention and Compensatory Storage Determination and Analysis										
Outlet evaluations for all six outlets (existing and proposed conditions), including drainage delineation and hydrologic parameter calculations		24	6 outlets @ 4 hr/outlet							
2) XPSWMM model setup for existing and proposed conditions for all six outlets		40	New model for roadway including area delineations, tc, CN, existing ditches and culverts, proposed storm sewers.							
3) Development of detention storage system		24	Ditch and storm sewer based detention system for each outlet.							
4) Compensatory Stroage Concept		16								
5) Results Tabulation		8	Summarize all outlets and the detention and compensatory storage concepts.							
6) Memo/report preparation		16	Modify the stormwater permit to reflect new dentention and compensatory storage concepts.							
7) City of West Chicago Site Permit Application		8	City of West Chicago Permit Application and exhibits.							
Sub-total G)		136								
H) PreFinal Plan Resubmittal										
1) See sheet revisions in section "A"										
Sub-total H)		0								
N Assessmentical Cturks										
I) Aeronautical Study										
Fill out and submit FAA Form 7640-1 with exhibit Personal to one sound of comments and results with others. Clearance Letter.		8								
Respond to one round of comments and resubmit/obtain Clearence Letter Sub-total IV		4								
Sub-total I)		12								
Totals										
1) Sub-total (A) thru (E)		390								
2) Admin/ Management		16	Figure 4% of Sub-total (A) thru (F)							
3) QC/QA		16	Figure 4% of Sub-total (A) thru (F)							
Grand Total	0	422								
Name of Consultant:	•	APPR	OVED:							
Date of Estimate:			DATE:							