



CITY OF WASHINGTON, ILLINOIS

Committee of the Whole Agenda Communication

Meeting Date: December 12, 2022

Prepared By: Dennis Carr – City Engineer

Agenda Item: Nofsinger Realignment Update

Explanation: Terra Engineering was previously contracted to perform Phase 1 and Phase 2 engineering for the realignment of Nofsinger Road. The project was completed in 2017 but was shelved until future funding was available. Since Terra did the original Phase 1 and Phase 2 plans, we are working with them to update the plans.

With Representative LaHood's announcement of the \$4 million Community Project funding, the plans need to be updated to conform with the newly adopted 2022 Standard Specifications for Road and Bridge Construction. IDOT has updated their specification several times since 2017, so we will have to update pay items, traffic signal information, design standards, etc. The City has adopted new drainage standards, so the storm sewer will need to be redesigned to incorporate the higher rainfall intensities.

While the City owns all of the affected property, we will need to establish the proposed ROW for the roadway to break the parcel up accordingly. When meeting with IDOT to discuss this project, IDOT said this project could take two different paths forward depending on what type of oversight is needed:

1. IDOT staff is submitting for Highway Safety Improvement Program (HSIP) funds. This funding comes with more in-depth IDOT oversight (similar to Freedom Parkway) and is largely why the engineering fee is higher than expected. Since Boyd Parkway is a state route, there are some extra hurdles for special waste and reprocessing post-pandemic traffic for 2022. IDOT's Local Roads Engineering was critical of their ability for an expedited review, so the project likely would land on the August state letting, which sets construction to begin in late September or October.

IDOT stated they are hoping to be considered for between \$1-3 million in the HSIP program. This would easily make up for the increased upfront engineering fee. IDOT does not feel it will hold up the project, but also reminded staff that the funding is not guaranteed, as HSIP is a competitive program. A response should be offered in January if the City has received any HSIP funds. Due to some of the environmental review times, Terra has already submitted for re-review of the environmental clearances.

2. If the project is not selected for HSIP funds, it could be moved forward on just a local letting similar to Hilldale. IDOT would not have in-depth oversight but would still review the Boyd Parkway plans. If HSIP funds are not obtained, the project would require less engineering. IDOT's plan sheet review would not take nearly as long and an earlier letting date could be set to allow for construction to begin as early as the summer.

Lastly, if the \$4 million from LaHood's office requires IDOT oversight, the engineering will require the same review as if we receive HSIP funds, but there is uncertainty on the level of oversight required at this time.

The engineering agreement is for an amount not to exceed \$143,225.50 and the consultant only gets paid for the hours and work performed. If the in depth IDOT oversight is not required, the fee will be significantly lower.

Fiscal Impact: Staff recommends moving the engineering agreement to the next City Council meeting for approval.

PROJECT: Nofsinger Road Reconstruction Design Manhour Estimate
 PROJECT NO: _____
 COMPUTATION BY: _____ Date: _____
 CHECKED BY: _____ Date: _____

MANHOURLY ESTIMATE

ITEM	Rate:	Proj. Prin.	Proj. Mgr.	Sr. Str. Eng.	Sr Eng.	Proj. Eng.	Tech.	Survey Mgr.	Surveyor	Admin Mgr.	Adm. Asst.	hours	TOTAL
		\$249.00	\$239.00	\$207.00	\$165.00	\$138.00	\$99.00	\$142.69	\$134.00	\$139.00	\$79.00		
Survey			2		8	4	4		2			20	\$ 3,014.00
Reestablish Hor & Vert Control							4	2	24			30	\$ 3,897.38
Topographic Survey - Spot Check								2	16			18	\$ 2,429.38
ROW Staking & Plat Coordination									40			40	\$ 5,360.00
SUBTOTAL			2		8	4	8	4	82			108	\$ 14,700.75
Miscellaneous													
Utility Coordination/Relocation			4		20	16	16					56	\$ 8,048.00
Reevaluate Pavement Design			4		32	8	8					52	\$ 8,132.00
SUBTOTAL			8		52	24	24					108	\$ 16,180.00
Section Total												216	\$ 30,880.75
Check												216	30880.75

ITEM	Rate:	Proj. Prin.	Proj. Mgr.	Sr. Str. Eng.	Sr Eng.	Proj. Eng.	Tech.	Survey Mgr.	Surveyor	Admin Mgr.	Adm. Asst.	hours	TOTAL
		\$249.00	\$239.00	\$207.00	\$165.00	\$138.00	\$99.00	\$142.69	\$134.00	\$139.00	\$79.00		
Addendums to Project Dev. Report													
Data Gathering/Revising Existing Data			1		8	8					2	19	\$ 2,821.00
ESR			4		16	8	4				2	34	\$ 5,254.00
Traffic Study													\$ -
IDS													\$ -
Existing Plan/Profile/typical sections													\$ -
Proposed Plan/Profile/typical sections													\$ -
Crash Analysis													\$ -
Special Waste			2		8		8					18	\$ 2,590.00
Noise Studies													\$ -
Revise Traffic Management Plan			2		48		8					58	\$ 9,190.00
Public Involvement													\$ -
Revise Select PR Documents			2		8	16						26	\$ 4,006.00
Submit & Respond to IDOT			2		4	8						14	\$ 2,242.00
QA/QC/ Reviews		2	8		4							14	\$ 3,070.00
City & IDOT Coordination		4	8		8		8					28	\$ 5,020.00
SUBTOTAL		6	29		104	40	28				4	211	\$ 34,193.00
Check												211	34193
Section Total												211	\$ 34,193.00

ITEM	Rate:	Proj. Prin.	Proj. Mgr.	Sr. Str. Eng.	Sr Eng.	Proj. Eng.	Tech.	Survey Mgr.	Surveyor	Admin Mgr.	Adm. Asst.	hours	TOTAL
		\$249.00	\$239.00	\$207.00	\$165.00	\$138.00	\$99.00	\$142.69	\$134.00	\$139.00	\$79.00		
Roadway Plans													
Revise Title Sheet					4		8					12	\$ 1,452.00
Revise Typical Sections			1		4	4	8					17	\$ 2,243.00
Revise Alignment, Ties and Benchmarks					4		4	4	8			20	\$ 2,698.75
Revise Notes/Index/Legend					4	8						12	\$ 1,764.00
Revise Summary of Quantities					8	4	4					16	\$ 2,268.00
Revise Schedule of Quantities					8	16	16					40	\$ 5,112.00
Removal Plans													\$ -
MOT													\$ -
Plan & Profile			4		16	16	24					60	\$ 8,180.00
Cross Sections													\$ -
Review Drainage Calculations					16	8						24	\$ 3,744.00
Drainage & Utility Sheets				8	8	8	20					44	\$ 6,060.00
Erosion Control					4		8					12	\$ 1,452.00
Signage and Pavement Markings					8	4	8					20	\$ 2,664.00
Intersection Details													\$ -
Revise Traffic Signal Plans					12		24					36	\$ 4,356.00
Special Provisions			4		40	16						60	\$ 9,764.00
Estimate of Time / Cost			2		8							10	\$ 1,798.00
SWPPP			4		16							20	\$ 3,596.00
Permits			8		24		24					56	\$ 8,248.00
Submit & Respond to IDOT			2		16	8	24					50	\$ 6,598.00
QA/QC & IDOT Coordination		2	8		16	8						34	\$ 6,154.00
SUBTOTAL		2	33	8	216	100	172	4	8			543	\$ 78,151.75
Check												543	78151.75
Section Total												543	\$ 78,151.75

8 70 8 372 164 224 4 8 4 970 \$ 143,225.50
 Proj. Prin. Proj. Mgr. Sr. Str. Eng. Sr Eng. Proj. Eng. Tech. Survey Mgr. Surveyor Admin Mgr. Adm. Asst. Hours Dollars

Hours Totals
Survey 216 \$ 30,880.75
Addendums to Project Dev. Report 211 \$ 34,193.00
Roadway Plans 543 \$ 78,151.75
TOTALS 970 \$ 143,225.50

