



**Amended
Storm Water Board
Public Meeting and Work Session Meeting
March 9, 2021 at 6:30 pm**

Call to Order: 6:30pm

Pledge of Allegiance

Roll Call:

Absent Ryan Lisek, Chairman
Present Daniel Enright, Vice Chairman
Present Thomas Frick, Member
Present Donald Oliphant, Town Engineer- CBBEL

Present Tom Stevens, Public Works
Arrived Eric Bosma, Public Works (6:35pm)
Present Robert Carnahan, Town Council Liaison
Present Jill Murr, Planning Director
Present Teri Knowles, Recording Secretary

MINUTES:

On a motion made by Ryan Lisek for the defer of February 9, 2021 minutes due to information still needed. Seconded by Daniel Enright.

Daniel Enright	Thomas Frick	Ryan Lisek	Vote
Yes	Yes	Absent	2-0

OLD BUSINESS:

- A. **Chuck Becker-7513 W. 136th Ave:** Mr. Oliphant updated on the federal grant program filled out by the State. Still working on some of the edge ability requirements, and wanting to add one or two other properties to include with it. Everything, pretty much, still in research.
- B. **Lynnsway-Carey St:** Mrs. Murr stated that Mr. Oliphant has provided list of the property owners that will be affected and the items that will need to be removed. Mrs. Murr is working with Mr. Eberly on developing the letter to be sent to the property's owners. She also informed the Board that our Financial Advisor is aware of the project and cost. They are reviewing as part of the Storm Water analysis that will be completing. Mr. Carnahan asked Mrs. Sandberg the Clerk Treasurer, on what kind of money was coming in on a monthly basis. Mrs. Sandberg is unable to give that information until the Financial Advisor gives the report. Mrs. Murr hopes that the report will be finalized around May.

UPDATE ITEMS:

- A. **137th/Lauerman:** Mr. Oliphant claims the two are similar with the Roadway Subdivision Master Plan that's been put together. There is not enough money in the budget for either. It also overlaps with the Road Committee agenda as well. Mr. Oliphant recommends to keep as Updated Item until the Road Committee meets. Haven't met as a Committee to discuss any plans.
- B. **Sherman St:** Mr. Oliphant stated to keep as Updated Item with the 137th and Lauerman project.
- C. **Jacob Viehman-9208 W. 142nd Pl:** Mr. Oliphant informed the Board the project is waiting for warmer weather. The project should be completed by one of the Town's Storm Water Contractors. Everything is signed with easement and plans are ready to go. Hopefully quoted out by next meeting. Keep as updated item.
- D. **Woods of Cedar Creek:** Mr. Oliphant stated it's on the agenda to approve the change order. Project is completed. Looking to get paid. The initial step of the project was excavation of regrading only on the four lots. The day of breaking ground some residence came into the Town Hall and asked, why are we not helping them. We ended up putting a plate down in the ground instead which made other changes, and cost too, with and addition \$1002. Overall project cost is now \$48,985. Needs to be approved and signed. Mrs. Murr claims, with moving forward, many of the other residence's that no longer live there wants to participate now and came in and agreed on future projects. Intentions of future projects will come up again in the future.

Motion was made by Daniel Enright and seconded by Thomas Frick to approve the Change Order and authorization of Mr. Enright, vice chairman to sign.

Motion Enright 2nd Frick

Daniel Enright	Thomas Frick	Ryan Lisek	Vote
Yes	Yes	Absent	2-0

PUBLIC WORKS PROJECTS: Mr. Bosma Feels there is no major projects. Mrs. Murr wanted to bring up the Public Works is doing, some of the Storm Watering project they are cambering inhouse where we don't have to outsource that. Which is preparing for any of the repairs that are needed. Preparation for future projects.

Mrs. Murr wanted to bring up that they are coordinating a monthly meeting with staff again. To provide an update after Thursday's meeting. Bring projects forward. Public Works Department, Director of Operations, Town Management, Council, and others tie together.

PUBLIC COMMENT: Richard Zar / 10905 W 129th Ave. / Mr. Zar wanted a follow up on the repaving for the 129th Ave. Mr. Oliphant explained it's out for bid. Bids are due on the 22nd. It's a 90-day

- Storm Water Board
March 9, 2021
Public Meeting Agenda



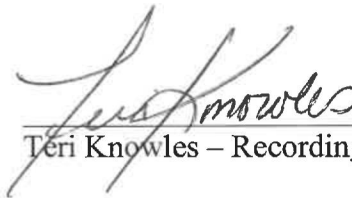
Ryan Lisek – Chairman



Daniel Enright – Vice Chairman



Thomas Frick – Member



Teri Knowles – Recording Secretary

Storm Water Board Public meeting – April 13, 2021 at 6:30pm.

The Town of Cedar Lake is subject to the requirements of the Americans with Disabilities Act of 1990. Individuals with disabilities who plan to attend this meeting and who require certain accommodations in order to allow them to observe and/or participate in this meeting, or who have questions regarding accessibility of the meeting or the facilities, please contact the Town Hall at (219) 374-7400.

Christopher B. Burke Engineering, LLC
One Professional Center, Suite 314
Crown Point, IN 46307

PROJECT: Section 2 - Shades Subdivision: Sherman Street
PROJECT NO.: 20-0149.00000
DATE: 2/4/2021

Preliminary Engineer's Opinion of Probable Cost

ITEM #	ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	MOBILIZATION AND DEMOBILIZATION	LS	1	5%	\$ 13,400.00
2	CONSTRUCTION ENGINEERING	LS	1	2%	\$ 5,100.00
3	CLEARING RIGHT OF WAY	LS	1	3%	\$ 7,700.00
4	PCCP, REMOVE	SYS	65	\$ 15.00	\$ 975.00
5	TREE, PROTECT	EACH	1	\$ 150.00	\$ 150.00
6	EXCAVATION, COMMON	CYS	700	\$ 30.00	\$ 21,000.00
7	FENCE, RESET	LFT	150	\$ 45.00	\$ 6,750.00
8	COMPACTED AGG. FOR UNDERCUT BACKFILL, NO. 2 (OR PGE) UNDISTRIBUTED (20% OF ROADWAY AREA)	TON	100	\$ 50.00	\$ 5,000.00
9	SILT FENCE	LFT	300	\$ 2.00	\$ 600.00
10	INLET PROTECTION	EACH	7	\$ 100.00	\$ 700.00
11	PIPE PROTECTION	EACH	1	\$ 100.00	\$ 100.00
12	TEMPORARY SEED MIXTURE	LBS	100	\$ 25.00	\$ 2,500.00
13	MAINTENANCE OF EROSION CONTROL DEVICES	LS	1	\$ 5,000.00	\$ 5,000.00
14	STRUCTURE BACKFILL, TYPE 1	CYS	200	\$ 100.00	\$ 20,000.00
15	GEOGRID, TYPE 1	SYS	900	\$ 4.50	\$ 4,050.00
16	COMPACTED AGGREGATE NO. 53 BASE	TON	480	\$ 25.00	\$ 12,000.00
17	HMA INTERMEDIATE, TYPE B	TON	130	\$ 85.00	\$ 11,050.00
18	HMA SURFACE, TYPE B	TON	70	\$ 95.00	\$ 6,650.00
19	ASPHALT FOR TACK COAT	SYS	700	\$ 0.50	\$ 350.00
20	MULCHED SEEDING, R	SYS	400	\$ 2.00	\$ 800.00
21	EROSION CONTROL BLANKET	SYS	400	\$ 3.00	\$ 1,200.00
22	TOPSOIL, 4 IN	SYS	400	\$ 7.00	\$ 2,800.00
23	CURB AND GUTTER, CONCRETE, ROLL CURB	LFT	890	\$ 25.00	\$ 22,250.00
24	HMA FOR APPROACHES, TYPE B	TON	40	\$ 100.00	\$ 4,000.00
25	PCCP FOR APPROACHES, 6 IN	SYS	65	\$ 55.00	\$ 3,575.00
26	RIPRAP, REVETMENT	TON	5	\$ 100.00	\$ 500.00
27	MAILBOX ASSEMBLY, SINGLE (UNDISTRIBUTED)	EACH	8	\$ 325.00	\$ 2,600.00
28	CASTING, FURNISH AND ADJUST TO GRADE	EACH	3	\$ 500.00	\$ 1,500.00
29	PIPE, TYPE 2, 4 IN, UNDISTRIBUTED	LFT	50	\$ 50.00	\$ 2,500.00
30	PIPE, TYPE 2, 6 IN, UNDISTRIBUTED	LFT	50	\$ 60.00	\$ 3,000.00
31	PIPE, TYPE 2, CIRCULAR, 12 IN	LFT	707	\$ 50.00	\$ 35,350.00
32	FINISHED END SECTION, 12 IN, W/ GRATE	EACH	1	\$ 650.00	\$ 650.00
33	INLET, TYPE A	EACH	2	\$ 2,000.00	\$ 4,000.00
34	STORM SEWER MANHOLE, TYPE C	EACH	5	\$ 2,500.00	\$ 12,500.00
	STORM SEWER MANHOLE, TYPE J	EACH	1	\$ 4,000.00	\$ 4,000.00
35	STORM SEWER MANHOLE, TYPE K	EACH	1	\$ 6,500.00	\$ 6,500.00
36	SANITARY SERVICE CONNECTION, TYPE 1, UNDISTRIBUTED	EACH	8	\$ 1,000.00	\$ 8,000.00
37	SANITARY SERVICE CONNECTION, TYPE 2, UNDISTRIBUTED	EACH	8	\$ 1,500.00	\$ 12,000.00
38	SERVICE POINT FOR LIGHTING	EACH	1	\$ 2,000.00	\$ 2,000.00
39	TESCO CABINET AND FOUNDATION	EACH	1	\$ 7,500.00	\$ 7,500.00
40	LIGHT POLE AND FOUNDATION	EACH	3	\$ 5,000.00	\$ 15,000.00
41	TRAFFIC CONTROL	LS	1	\$ 5,000.00	\$ 5,000.00
CONSTRUCTION ESTIMATE TOTAL					\$ 280,300.00
CONTINGENCY			15%		\$ 42,100.00
CONSTRUCTION ESTIMATE TOTAL W/ CONTINGENCY					\$ 322,400.00

Notes and Assumptions

- All costs are estimates based on the engineers knowledge of common construction methods and materials. Christopher B. Burke Engineering, LLC does not guarantee that the actual bid price will not vary from the costs used with this estimate.
- All costs are in 2020 dollars.
- This estimate does not include unforeseen cost increases that may result from shortages in fuel and materials as a result of natural or man made disasters.
- This estimate does not include ROW acquisition, temporary or construction easements, or relocating existing utilities.
- Total construction costs have been rounded to the nearest \$100 for cost estimation.

Christopher B. Burke Engineering, LLC
One Professional Center, Suite 314
Crown Point, IN 46307

PROJECT: Section 1 - Noble Oaks Subdivision: Birch Street
PROJECT NO.: 20-0149.00000
DATE: 2/4/2021

Preliminary Engineer's Opinion of Probable Cost

ITEM #	ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	MOBILIZATION AND DEMOBILIZATION	LS	1	5%	\$ 28,300.00
2	CONSTRUCTION ENGINEERING	LS	1	2%	\$ 10,800.00
3	CLEARING RIGHT OF WAY	LS	1	3%	\$ 16,200.00
4	PCCP, REMOVE	SYS	45	\$ 15.00	\$ 675.00
5	SIDEWALK, REMOVE	SYS	15	\$ 20.00	\$ 300.00
6	PIPE, REMOVE	LFT	470	\$ 20.00	\$ 9,400.00
7	STRUCTURE, REMOVE	EACH	2	\$ 500.00	\$ 1,000.00
8	CONCRETE HEADWALL, REMOVE	EACH	4	\$ 500.00	\$ 2,000.00
9	TREE, PROTECT	EACH	2	\$ 150.00	\$ 300.00
10	EXCAVATION, COMMON	CYS	1,500	\$ 30.00	\$ 45,000.00
11	COMPACTED AGG. FOR UNDERCUT BACKFILL, NO. 2 (OR PGE) UNDISTRIBUTED (20% OF ROADWAY AREA)	TON	340	\$ 50.00	\$ 17,000.00
12	SILT FENCE	LFT	300	\$ 2.00	\$ 600.00
13	INLET PROTECTION	EACH	19	\$ 100.00	\$ 1,900.00
14	PIPE PROTECTION	EACH	1	\$ 100.00	\$ 100.00
15	TEMPORARY SEED MIXTURE	LBS	50	\$ 25.00	\$ 1,250.00
16	MAINTENANCE OF EROSION CONTROL DEVICES	LS	1	\$ 5,000.00	\$ 5,000.00
17	STRUCTURE BACKFILL, TYPE 1	CYS	200	\$ 100.00	\$ 20,000.00
18	GEOGRID, TYPE 1	SYS	3,110	\$ 4.50	\$ 13,995.00
19	COMPACTED AGGREGATE NO. 53 BASE	TON	1,740	\$ 25.00	\$ 43,500.00
20	HMA INTERMEDIATE, TYPE B	TON	440	\$ 85.00	\$ 37,400.00
21	HMA SURFACE, TYPE B	TON	220	\$ 95.00	\$ 20,900.00
22	HMA PAVEMENT PATCH	TON	15	\$ 150.00	\$ 2,250.00
23	ASPHALT FOR TACK COAT	SYS	2,540	\$ 0.50	\$ 1,270.00
24	MULCHED SEEDING, R	SYS	1,240	\$ 2.00	\$ 2,480.00
25	EROSION CONTROL BLANKET	SYS	1,240	\$ 3.00	\$ 3,720.00
26	TOPSOIL, 4 IN	SYS	1,240	\$ 7.00	\$ 8,680.00
27	CURB AND GUTTER, CONCRETE, ROLL CURB	LFT	2,787	\$ 25.00	\$ 69,675.00
28	SIDEWALK, CONCRETE, 4 IN	SYS	15	\$ 60.00	\$ 900.00
29	HMA FOR APPROACHES, TYPE B	TON	100	\$ 100.00	\$ 10,000.00
30	PCCP FOR APPROACHES, 6 IN	SYS	45	\$ 55.00	\$ 2,475.00
31	RIPRAP, REVETMENT	TON	10	\$ 100.00	\$ 1,000.00
32	MAILBOX ASSEMBLY, SINGLE (UNDISTRIBUTED)	EACH	10	\$ 325.00	\$ 3,250.00
33	CASTING, FURNISH AND ADJUST TO GRADE	EACH	3	\$ 500.00	\$ 1,500.00
34	PIPE, TYPE 2, 4 IN, UNDISTRIBUTED	LFT	50	\$ 60.00	\$ 3,000.00
35	PIPE, TYPE 2, 6 IN, UNDISTRIBUTED	LFT	50	\$ 70.00	\$ 3,500.00
36	PIPE, TYPE 2, CIRCULAR, 12 IN	LFT	865	\$ 50.00	\$ 43,250.00
37	PIPE, TYPE 2, CIRCULAR, 15 IN	LFT	517	\$ 65.00	\$ 33,605.00
38	PIPE, TYPE 2, CIRCULAR, 18 IN	LFT	17	\$ 80.00	\$ 1,360.00
39	PIPE, TYPE 2, CIRCULAR, 24 IN	LFT	133	\$ 85.00	\$ 11,305.00
40	PIPE, TYPE 3, CIRCULAR, 6 IN	LFT	80	\$ 40.00	\$ 3,200.00
41	PIPE, TYPE 3, CIRCULAR 10 IN	LFT	25	\$ 40.00	\$ 1,000.00
42	PIPE, TYPE 3, CIRCULAR 12 IN	LFT	50	\$ 55.00	\$ 2,750.00
43	PIPE END SECTION, PRECAST CONC., 15 IN, W/ GRATE	EACH	1	\$ 850.00	\$ 850.00
44	PIPE END SECTION, PRECAST CONC., 18 IN, W/GRATE	EACH	1	\$ 1,000.00	\$ 1,000.00
45	PIPE END SECTION, PRECAST CONC., 24 IN, W/GRATE	EACH	1	\$ 1,500.00	\$ 1,500.00
46	INLET, TYPE A	EACH	11	\$ 2,000.00	\$ 22,000.00
47	STORM SEWER MANHOLE, TYPE C	EACH	5	\$ 2,500.00	\$ 12,500.00
48	STORM SEWER MANHOLE, TYPE J	EACH	3	\$ 4,000.00	\$ 12,000.00
49	SANITARY SERVICE CONNECTION, TYPE 1, UNDISTRIBUTED	EACH	5	\$ 1,000.00	\$ 5,000.00
50	SANITARY SERVICE CONNECTION, TYPE 2, UNDISTRIBUTED	EACH	5	\$ 1,500.00	\$ 7,500.00
51	SERVICE POINT FOR LIGHTING	EACH	1	\$ 2,000.00	\$ 2,000.00
52	TESCO CABINET AND FOUNDATION	EACH	1	\$ 7,500.00	\$ 7,500.00
53	LIGHT POLE AND FOUNDATION	EACH	5	\$ 5,000.00	\$ 25,000.00
54	TRAFFIC CONTROL	LS	1	\$ 10,000.00	\$ 10,000.00
CONSTRUCTION ESTIMATE TOTAL					\$ 592,700.00
CONTINGENCY					15%
					\$ 89,000.00
CONSTRUCTION ESTIMATE TOTAL W/ CONTINGENCY					\$ 681,700.00

Notes and Assumptions

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