

Cost Estimate

Project Number:	HEN-4-052(101)167	Bid Opening:	1/1/2023
PCN:	23153	Estimate Scope:	FINAL
Length	0.68	Tied Project(s):	
City:	Harvey		
County:	Wells	Prepared By:	<i>dkieffer</i>
Work Description: Aggregate Base, Hot Bituminous Pavement, Culverts, Riprap & Incidentals			
Location:			US 52 and ND 3

Spec	Code	Item Description	Unit	Quantity	Unit Cost	Total Cost
103	0100	CONTRACT BOND	L SUM	1	\$15,000.00	\$15,000.00
202	0132	REMOVAL OF BITUMINOUS SURFACING	SY	6858	\$9.00	\$61,722.00
202	0170	REMOVAL OF CULVERTS-ALL TYPES & SIZES	LF	190	\$18.00	\$3,420.00
203	0101	COMMON EXCAVATION-TYPE A	CY	11610	\$15.00	\$174,150.00
203	0109	TOPSOIL	CY	4191	\$3.00	\$12,573.00
203	0119	TOPSOIL-IMPORTED	CY	1103	\$35.00	\$38,605.00
203	0140	BORROW-EXCAVATION	CY	1052	\$34.00	\$35,768.00
216	0100	WATER	M GAL	208	\$30.00	\$6,240.00
230	0165	SUBGRADE PREPARATION-TYPE A-12IN	STA	6	\$1,000.00	\$6,000.00
251	0200	SEEDING CLASS II	ACRE	6.5	\$480.00	\$3,120.00
251	2000	TEMPORARY COVER CROP	ACRE	6.5	\$50.00	\$325.00
253	0101	STRAW MULCH	ACRE	13	\$250.00	\$3,250.00
255	0103	ECB TYPE 3	SY	107	\$3.00	\$321.00
256	0200	RIPRAP GRADE II	CY	48	\$75.00	\$3,600.00
260	0100	SILT FENCE UNSUPPORTED	LF	2151	\$2.00	\$4,302.00
260	0101	REMOVE SILT FENCE UNSUPPORTED	LF	2151	\$0.50	\$1,075.50
261	0112	FIBER ROLLS 12IN	LF	2653	\$2.00	\$5,306.00
261	0113	REMOVE FIBER ROLLS 12IN	LF	172	\$0.50	\$86.00
302	0120	AGGREGATE BASE COURSE CL 5	TON	3560	\$23.00	\$81,880.00
401	0050	TACK COAT	GAL	1330	\$3.00	\$3,990.00
401	0060	PRIME COAT	GAL	6891	\$4.00	\$27,564.00
401	0070	FOG SEAL	GAL	1299	\$3.00	\$3,897.00
411	0112	MILLING PAVEMENT SURFACE - 1 INCH	SY	3410	\$2.00	\$6,820.00
430	0045	SUPERPAVE FAA 45	TON	1526	\$100.00	\$152,600.00
430	1000	CORED SAMPLE	EA	13	\$30.00	\$390.00
430	5818	PG 58H-34 ASPHALT CEMENT	TON	93	\$1,000.00	\$93,000.00
702	0100	MOBILIZATION	L SUM	1	\$100,000.00	\$100,000.00
704	0100	FLAGGING	MHR	120	\$50.00	\$6,000.00
704	1000	TRAFFIC CONTROL SIGNS	UNIT	1589	\$2.00	\$3,178.00
704	1052	TYPE III BARRICADE	EA	14	\$100.00	\$1,400.00
704	1060	DELINEATOR DRUMS	EA	28	\$25.00	\$700.00
704	1080	STACKABLE VERTICAL PANELS	EA	30	\$30.00	\$900.00
704	1500	OBLITERATION OF PAVEMENT MARKING	SF	210	\$6.00	\$1,260.00
706	0500	AGGREGATE LABORATORY	EA	1	\$12,000.00	\$12,000.00

Spec Code	Item Description	Unit	Quantity	Unit Cost	Total Cost
706 0550	BITUMINOUS LABORATORY	EA	1	\$6,000.00	\$6,000.00
706 0600	CONTRACTOR'S LABORATORY	EA	1	\$5,500.00	\$5,500.00
709 0100	GEOSYNTHETIC MATERIAL TYPE G	SY	678	\$3.00	\$2,034.00
709 0155	GEOSYNTHETIC MATERIAL TYPE RR	SY	129	\$5.00	\$645.00
714 0615	PIPE CONC REINF 24IN CL III	LF	12	\$350.00	\$4,200.00
714 4105	PIPE CONDUIT 24IN	LF	71	\$450.00	\$31,950.00
714 4115	PIPE CONDUIT 36IN	LF	76	\$550.00	\$41,800.00
714 9660	REMOVE & RELAY END SECTION-ALL TYPE & SIZES	EA	2	\$700.00	\$1,400.00
754 0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	96	\$25.00	\$2,400.00
754 0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	145	\$20.00	\$2,900.00
754 0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	392	\$20.00	\$7,840.00
754 0592	RESET SIGN PANEL	EA	2	\$60.00	\$120.00
754 0805	OBJECT MARKERS - CULVERTS	EA	6	\$50.00	\$300.00
762 0113	EPOXY PVMT MK 4IN LINE	LF	8007	\$0.50	\$4,003.50
762 0115	EPOXY PVMT MK 8IN LINE	LF	212	\$1.00	\$212.00
762 0117	EPOXY PVMT MK 24IN LINE	LF	48	\$25.00	\$1,200.00
770 0220	CABLE TRENCH-TYPE II	LF	1085	\$4.00	\$4,340.00
770 0445	MULTIPLE UNDERGROUND CABLE 3NO6 STYLE USE	LF	1125	\$5.00	\$5,625.00

Subtotal \$992,912.00

Estimate Summary and Totals

Engineering Percent: 10.00%

Subtotal:

\$992,912.00 + 10.00% Engineering = \$1,092,203.20

Cost Estimate

Project Number:	HEN-9-052(485)006	Bid Opening:	1/1/2025
PCN:	23404	Estimate Scope:	FINAL
Length	215.5	Tied Project(s):	
City:	Canadian Border to Carrington		
County:	Burke, Ward, McHenry, Foster	Prepared By:	<i>KORY.KLEINKNECHT</i>
Work Description:	Accleration/Deceleration Lanes, Turn Lanes		

Location: **South of Portal to Carrington**

Spec	Code	Item Description	Unit	Quantity	Unit Cost	Total Cost
103	0100	CONTRACT BOND	L SUM	1	\$55,000.00	\$55,000.00
107	0121	RAILWAY PROTECTION INSURANCE - COMPANY A	L SUM	1	\$4,000.00	\$4,000.00
107	0122	RAILWAY PROTECTION INSURANCE - COMPANY B	L SUM	1	\$4,000.00	\$4,000.00
107	0123	RAILWAY PROTECTION INSURANCE - COMPANY C	L SUM	1	\$8,000.00	\$8,000.00
107	0124	RAILWAY PROTECTION INSURANCE - COMPANY D	L SUM	1	\$4,000.00	\$4,000.00
107	0141	RAILROAD COORDINATION - COMPANY A	L SUM	1	\$21,100.00	\$21,100.00
107	0142	RAILROAD COORDINATION - COMPANY B	L SUM	1	\$1,500.00	\$1,500.00
107	0143	RAILROAD COORDINATION - COMPANY C	L SUM	1	\$51,900.00	\$51,900.00
107	0144	RAILROAD COORDINATION - COMPANY D	L SUM	1	\$21,100.00	\$21,100.00
107	0145	RAILROAD FLAGGING	DAY	1600	\$14.00	\$22,400.00
109	1000	E-TICKETING	L SUM	1	\$12,000.00	\$12,000.00
202	0174	REMOVAL OF PIPE ALL TYPES AND SIZES	LF	747	\$34.00	\$25,398.00
203	0101	COMMON EXCAVATION-TYPE A	CY	33232	\$22.00	\$731,104.00
203	0109	TOPSOIL	CY	64320	\$7.50	\$482,400.00
203	0113	COMMON EXCAVATION-WASTE	CY	10108	\$12.00	\$121,296.00
203	0140	BORROW-EXCAVATION	CY	42601	\$18.00	\$766,818.00
216	0100	WATER	M GAL	2335	\$45.00	\$105,075.00
251	0200	SEEDING CLASS II	ACRE	41.92	\$500.00	\$20,960.00
251	1000	WETLAND SEED	ACRE	3.85	\$700.00	\$2,695.00
251	2000	TEMPORARY COVER CROP	ACRE	46.11	\$136.00	\$6,270.96
253	0061	SOIL STABILIZATION	ACRE	90.63	\$391.00	\$35,436.33
255	0102	ECB TYPE 2	SY	3685	\$2.30	\$8,475.50
255	0201	TRM TYPE 1	SY	54	\$7.00	\$378.00
260	0200	SILT FENCE SUPPORTED	LF	15332	\$2.50	\$38,330.00
260	0201	REMOVE SILT FENCE SUPPORTED	LF	15332	\$0.55	\$8,432.60
261	0112	FIBER ROLLS 12IN	LF	62437	\$2.50	\$156,092.50
261	0113	REMOVE FIBER ROLLS 12IN	LF	23821	\$0.55	\$13,101.55
261	0120	FIBER ROLLS 20IN	LF	280	\$4.15	\$1,162.00
261	0121	REMOVE FIBER ROLLS 20IN	LF	280	\$0.55	\$154.00
302	0120	AGGREGATE BASE COURSE CL 5	TON	79041	\$22.00	\$1,738,902.00
401	0050	TACK COAT	GAL	6918	\$4.10	\$28,363.80
401	0060	PRIME COAT	GAL	21639	\$5.40	\$116,850.60
401	0160	BLOTTER MATERIAL CL 44	TON	466	\$65.00	\$30,290.00
411	0105	MILLING PAVEMENT SURFACE	SY	28088	\$2.00	\$56,176.00

Spec	Code	Item Description	Unit	Quantity	Unit Cost	Total Cost
430	0045	SUPERPAVE FAA 45	TON	22131	\$150.00	\$3,319,650.00
430	1000	CORED SAMPLE	EA	126	\$65.00	\$8,190.00
430	5818	PG 58H-34 ASPHALT CEMENT	TON	1328	\$900.00	\$1,195,200.00
702	0100	MOBILIZATION	L SUM	1	1,300,000.00	\$1,300,000.00
704	0100	FLAGGING	MHR	3600	\$58.00	\$208,800.00
704	1000	TRAFFIC CONTROL SIGNS	UNIT	5350	\$1.30	\$6,955.00
704	1048	PORTABLE RUMBLE STRIPS	EA	10	\$800.00	\$8,000.00
704	1052	TYPE III BARRICADE	EA	10	\$100.00	\$1,000.00
704	1060	DELINEATOR DRUMS	EA	100	\$25.00	\$2,500.00
704	1080	STACKABLE VERTICAL PANELS	EA	363	\$30.00	\$10,890.00
704	1185	PILOT CAR	HR	1800	\$65.00	\$117,000.00
704	1500	OBLITERATION OF PAVEMENT MARKING	SF	9518	\$5.50	\$52,349.00
706	0500	AGGREGATE LABORATORY	EA	1	\$17,300.00	\$17,300.00
706	0550	BITUMINOUS LABORATORY	EA	1	\$7,500.00	\$7,500.00
706	0600	CONTRACTOR'S LABORATORY	EA	1	\$7,500.00	\$7,500.00
709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	98543	\$1.76	\$173,435.68
714	0615	PIPE CONC REINF 24IN CL III	LF	236	\$325.00	\$76,700.00
714	0820	PIPE CONC REINF 30IN CL III	LF	34	\$350.00	\$11,900.00
714	1005	PIPE CONC REINF 42IN CL III	LF	180	\$375.00	\$67,500.00
714	1210	PIPE CONC REINF 54IN CL III	LF	30	\$400.00	\$12,000.00
714	1510	PIPE CONC REINF 72IN CL III	LF	28	\$450.00	\$12,600.00
714	4099	PIPE CONDUIT 18IN-APPROACH	LF	104	\$112.00	\$11,648.00
714	4106	PIPE CONDUIT 24IN-APPROACH	LF	440	\$126.00	\$55,440.00
714	4113	PIPE CONDUIT 30IN-APPROACH	LF	72	\$155.00	\$11,160.00
714	5035	PIPE CORR STEEL .064IN 24IN	LF	10	\$100.00	\$1,000.00
714	9660	REMOVE & RELAY END SECTION-ALL TYPE & SIZES	EA	35	\$678.00	\$23,730.00
720	0110	RIGHT OF WAY MARKERS	EA	35	\$210.00	\$7,350.00
720	0125	ALIGNMENT MONUMENTS	EA	22	\$261.00	\$5,742.00
720	0130	IRON PIN R/W MONUMENTS	EA	23	\$62.60	\$1,439.80
720	0135	IRON PIN REFERENCE MONUMENTS	EA	14	\$62.60	\$876.40
754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	265	\$25.00	\$6,625.00
754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	287	\$22.00	\$6,314.00
754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	1048	\$30.00	\$31,440.00
754	0561	REFERENCE MARKER-TYPE A	EA	1	\$200.00	\$200.00
754	0562	REFERENCE MARKER-TYPE B	EA	1	\$230.00	\$230.00
754	0563	REFERENCE MARKER-TYPE C	EA	2	\$260.00	\$520.00
754	0592	RESET SIGN PANEL	EA	7	\$62.60	\$438.20
754	0593	RESET SIGN SUPPORT	EA	1	\$200.00	\$200.00
754	0801	OBJECT MARKERS - TYPE I	EA	2	\$200.00	\$400.00
754	0805	OBJECT MARKERS - CULVERTS	EA	27	\$52.10	\$1,406.70
760	0005	RUMBLE STRIPS - ASPHALT SHOULDER	MILE	7.577	\$1,000.00	\$7,577.00
760	0007	RUMBLE STRIPS - ASPHALT CENTERLINE	MILE	1.531	\$1,100.00	\$1,684.10
760	0010	RUMBLE STRIPS - INTERSECTION	SET	1	\$2,000.00	\$2,000.00

Spec Code	Item Description	Unit	Quantity	Unit Cost	Total Cost
762 0103	PVMT MK PAINTED-MESSAGE	SF	242	\$5.00	\$1,210.00
762 0112	EPOXY PVMT MK MESSAGE	SF	1674	\$19.80	\$33,145.20
762 0114	EPOXY PVMT MK 6IN LINE	LF	93229	\$0.75	\$69,921.75
762 0117	EPOXY PVMT MK 24IN LINE	LF	732	\$30.00	\$21,960.00
762 0119	EPOXY PVMT MK 10IN LINE	LF	5527	\$1.50	\$8,290.50
762 0430	SHORT TERM 4IN LINE-TYPE NR	LF	99902	\$0.15	\$14,985.30
762 0434	SHORT TERM 8IN LINE-TYPE NR	LF	5527	\$0.40	\$2,210.80
762 1106	PVMT MK PAINTED 6IN LINE	LF	6673	\$0.40	\$2,669.20
762 1124	PVMT MK PAINTED 24IN LINE	LF	144	\$6.50	\$936.00
766 0100	MAILBOX-ALL TYPES	EA	2	\$250.00	\$500.00
772 3150	REMOVE FLASHING BEACON SYSTEM	EA	2	\$2,000.00	\$4,000.00
990 0400	PIPE CLEANOUT	EA	1	\$2,000.00	\$2,000.00

Subtotal \$11,655,381.47

Estimate Summary and Totals

Engineering Percent: 10.00%

Subtotal:

\$11,655,381.47 + 10.00% Engineering = \$12,820,919.62

C O S T E S T I M A T E

ESTIMATE NO: 23731

E N G L I S H

PCN: 23641

PROJECT NO: NH-4-052(104)141

LENGTH: 44.1387

LOCATION: NEAR JCT 53 TO NEAR FESSENDEN

CITY:

BID OPENING: 01/01/2025 JOB NBR: 0

COUNTY: VARIOUS

PREPARED BY: ERIMER1

SPECIAL LOC:

DATE PREPARED: 12/07/2023 LAST REVISED: 12/19/2023

WORK: HOT BIT PAVE, MILLING, SUBCUT

SCOPE:

COPIED FROM ESTIMATE NUMBERS:

RUN DATE: 04/12/2024 RUN TIME: 10:16:56 SOURCE: MERCK, ERIC M ESTIMATE TYPE: FINAL FINALIZED: Y

R L P T	SPEC NO.	CODE NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
103	0100		CONTRACT BOND	L SUM	.400	135,000.00	54,000.00
107	0100		RAILWAY PROTECTION INSURANCE	L SUM	.400	4,000.00	1,600.00
107	0140		RAILROAD COORDINATION	L SUM	.400	5,000.00	2,000.00
109	1000		E-TICKETING	L SUM	.400	13,300.00	5,320.00
202	0135		REMOVAL OF BITUMINOUS SURFACING	TON	36,275.000	22.75	825,256.25
203	0138		COMMON EXCAVATION-SUBCUT	CY	3,604.000	26.75	96,407.00
203	0238		SUBCUT AGGREGATE	CY	6,758.000	70.00	473,060.00
230	0125		SHOULDER PREPARATION	MILE	73.777	886.00	65,366.42
302	0120		AGGREGATE BASE COURSE CL 5	TON	21,577.000	19.00	409,963.00
302	0356		AGGREGATE SURFACE COURSE CL 13	TON	692.000	28.00	19,376.00
401	0050		TACK COAT	GAL	103,096.000	3.20	329,907.20
401	0060		PRIME COAT	GAL	12,467.000	4.40	54,854.80
401	0070		FOG SEAL	GAL	44,796.000	4.00	179,184.00
401	0160		BLOTTER MATERIAL CL 44	TON	425.000	65.00	27,625.00
411	0100		MILLING PAVEMENT SURFACE	TON	24,931.000	18.00	448,758.00
430	0045		SUPERPAVE FAA 45	TON	123,878.000	45.00	5,574,510.00
430	1000		CORED SAMPLE	EA	705.000	63.00	44,415.00
430	5818		PG 58H-34 ASPHALT CEMENT	TON	7,444.000	950.00	7,071,800.00
624	3005		CONNECTION PLATE MODIFICATION	EA	8.000	1,500.00	12,000.00
702	0100		MOBILIZATION	L SUM	.400	800,000.00	320,000.00
704	0100		FLAGGING	MHR	2,400.000	58.00	139,200.00
704	1000		TRAFFIC CONTROL SIGNS	UNIT	3,276.000	1.30	4,258.80
704	1048		PORTABLE RUMBLE STRIPS	EA	4.000	800.00	3,200.00
704	1060		DELINEATOR DRUMS	EA	40.000	25.00	1,000.00
704	1080		STACKABLE VERTICAL PANELS	EA	30.000	30.00	900.00
704	1185		PILOT CAR	HR	800.000	60.00	48,000.00
706	0400		FIELD OFFICE	EA	.400	19,440.00	7,776.00
706	0500		AGGREGATE LABORATORY	EA	.400	14,000.00	5,600.00
706	0550		BITUMINOUS LABORATORY	EA	.400	7,500.00	3,000.00
706	0600		CONTRACTOR'S LABORATORY	EA	.400	7,500.00	3,000.00

G A

R L P T	SPEC NO.	CODE NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
	709	0100	GEOSYNTHETIC MATERIAL TYPE G	SY	31,164.000	1.76	54,848.64
	754	0110	FLAT SHEET FOR SIGNS-TYPE XI REFL SHEETING	SF	5.200	25.00	130.00
	754	0112	FLAT SHEET FOR SIGNS-TYPE IV REFL SHEETING	SF	16.800	22.00	369.60
	754	0206	STEEL GALV POSTS-TELESCOPING PERFORATED TUBE	LF	103.900	30.00	3,117.00
	754	0592	RESET SIGN PANEL	EA	3.000	40.00	120.00
	760	0025	SINUSOIDAL RUMBLE STRIP - ASPHALT SHOULDER	MILE	67.800	1,000.00	67,800.00
	760	0027	SINUSOIDAL RUMBLE STRIP - ASPHALT CENTERLINE	MILE	44.412	1,320.00	58,623.84
	762	0112	EPOXY PVMT MK MESSAGE	SF	265.000	13.00	3,445.00
	762	0114	EPOXY PVMT MK 6IN LINE	LF	416,458.000	.50	208,229.00
	762	0432	SHORT TERM 6IN LINE-TYPE NR	LF	214,840.000	.25	53,710.00
	764	0131	W-BEAM GUARDRAIL	LF	515.600	50.00	25,780.00
	764	0145	W-BEAM GUARDRAIL END TERMINAL	EA	8.000	3,000.00	24,000.00
	764	0151	REMOVE W-BEAM GUARDRAIL & POSTS	LF	965.200	4.25	4,102.10
	764	1050	RESET W-BEAM GUARDRAIL	LF	400.000	17.00	6,800.00
	764	2081	REMOVE END TREATMENT & TRANSITION	EA	8.000	225.00	1,800.00

SUB TOTAL	16,744,212.65
10% ENGINEERING COST	1,674,421.27
TOTAL BID	18,418,633.92