

Aug 2016
Summer Let

Waukesha Bypass - Waukesha County
Cost Estimate for
Project ID 2788-00-01, USH 18 (USH 59 to Madison St)

bo.f. State
Phase 2
July 14, 2015

ITEM	ITEM DESCRIPTION	UNIT	% QUANTITY	UNIT PRICE	TOTAL
1	REMOVALS				
1.01	Clearing	STA	120	\$ 325.00	\$ 39,000.00
1.02	Grubbing	STA	120	\$ 180.00	\$ 21,600.00
1.03	Removing Small Pipe Culverts	EACH		-	-
1.04	Removing Pavement	SY	19,203	\$ 2.75	\$ 52,808.25
1.05	Removing Asphaltic Surface	SY		-	-
1.06	Removing Curb & Gutter	LF	3,336	\$ 3.05	\$ 10,174.80
1.07	Removing Concrete Sidewalk	LF		-	-
1.08	Removing Guardrail	LF		-	-
1.09	Removing Fence	LF		-	-
1.10	Removing Storm Sewer	LF		-	-
1.11	Removing Storm Sewer Structures	EACH		-	-
SUBTOTAL REMOVALS					\$ 123,600.00
2	EARTHWORK				
2.01	Excavation Common	CY	300,000	\$ 8.50	\$ 2,550,000.00
2.02	Excavation Rock	CY		-	-
2.03	Excavation Marsh	CY	60,000	\$ 6.00	\$ 360,000.00
2.04	EBS	CY	30,000	\$ 8.50	\$ 255,000.00
2.05	Borrow	CY	250,000	\$ 5.00	\$ 1,250,000.00
2.06	Select Borrow	CY		-	-
2.07	Backfill Granular	CY	103,500	\$ 9.00	\$ 931,500.00
2.08	Shot Rock	CY		-	-
SUBTOTAL EARTHWORK					\$ 5,346,500.00
3	BASE				
3.01	Base Aggregate Dense 3/4"	TON	2,245	\$ 16.00	\$ 35,920.00
3.02	Base Aggregate Dense 1 1/4"	TON	142,831	\$ 8.25	\$ 1,178,355.75
3.03	Limestone Screenings	TON		-	-
3.04	Breaker-Run	TON		-	-
3.05	Select Crushed Material	TON	145,976	\$ 8.50	\$ 1,240,796.00
3.06	Base Aggregate 1 1/4" Temporary Roadways	TON		-	-
3.07	Breaker-Run Temporary Roadways	TON		-	-
3.08	Breaker-Run for Marsh and EBS Backfill	TON		-	-
SUBTOTAL BASE					\$ 2,455,100.00
4	PAVEMENT				
4.01	Concrete Pavement 8"	SY	137,876	\$ 30.00	\$ 4,136,280.00
4.02	Concrete Pavement 9"	SY		-	-
4.03	Concrete Pavement 10"	SY		-	-
4.04	Concrete Pavement 11"	SY		-	-
4.05	Concrete Pavement 12"	SY		-	-
4.06	Concrete Driveway	SY		-	-
4.07	HMA Pavement Type E-0.3	TON	2,418	\$ 69.00	\$ 166,842.00
4.08	HMA Pavement Type E-1	TON		-	-
4.09	HMA Pavement Type E-3	TON	19,694	\$ 46.00	\$ 905,924.00
4.10	HMA Pavement Type E-10	TON		-	-
4.11	Asphaltic Material	TON	1,215	\$ 175.00	\$ 212,625.00
4.12	Tack Coat	GAL	2,050	\$ 2.90	\$ 5,945.00
4.13	Asphaltic Surface	TON		-	-
4.14	Asphaltic Surface Driveways & FE's	TON		-	-
4.15	Asphaltic Surface Temporary Roadways	TON		60.00	\$ 60.00
SUBTOTAL PAVEMENT					\$ 5,427,600.00
5	ROADWAY MISCELLANEOUS				
5.01	Concrete Curb and Gutter	LF	45,528	\$ 6.85	\$ 311,866.80
5.02	Concrete Sidewalk	SF	54,076	\$ 3.18	\$ 171,961.68
5.03	Concrete Barrier Single-Faced	LF		-	-
5.04	Concrete Barrier Double-Faced	LF	2,478	\$ 100.00	\$ 247,800.00
5.05	Steel Thin-Beam Structure Approach	LF		-	-

31.90
36.27

5.06	Steel Plate Beam Guard Class-A	LF		\$	-	\$	-
5.07	Steel Plate Beam Guard EAT	EACH		\$	-	\$	-
5.08	Fencing	LF		\$	-	\$	-

SUBTOTAL ROADWAY MISCELLANEOUS

891,800.00

6 DRAINAGE/STORM SEWER

520.0115	CULVERT PIPE CLASS III 15-INCH	LF	56.01	\$	40.00	\$	2,240.40
*520.0118	CULVERT PIPE CLASS III 18-INCH	LF	280.45	\$	45.00	\$	*12,620.34
520.1015	APRON ENDWALLS FOR CULVERT PIPE 15-INCH	EACH	4.00	\$	156.00	\$	624.00
520.1018	APRON ENDWALLS FOR CULVERT PIPE 18-INCH	EACH	18.00	\$	202.00	\$	3,636.00
520.8000	CONCRETE COLLARS FOR PIPE	EACH	1.00	\$	510.00	\$	510.00
521.0115	CULVERT PIPE CORRUGATED STEEL 15-INCH	LF	75.51	\$	35.00	\$	2,642.92
521.0721	PIPE ARCH CORRUGATED STEEL 21X15-INCH	LF	59.83	\$	34.00	\$	2,034.36
*521.0742	PIPE ARCH CORRUGATED STEEL 42X29-INCH	LF	151.82	\$	70.00	\$	*10,627.12
521.1015	APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH	EACH	6.00	\$	128.00	\$	768.00
521.1221	APRON ENDWALLS FOR PIPE ARCH STEEL 21X15-INCH	EACH	4.00	\$	184.00	\$	736.00
521.1242	APRON ENDWALLS FOR PIPE ARCH STEEL 42X29-INCH	EACH	8.00	\$	550.00	\$	4,400.00
522.0112	CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	17.03	\$	65.00	\$	1,106.82
522.0115	CULVERT PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	30.00	\$	50.00	\$	1,500.05
522.0124	CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	94.00	\$	60.00	\$	5,640.18
*522.0130	CULVERT PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	370.25	\$	59.00	\$	21,844.51
522.0136	CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	454.38	\$	57.00	\$	25,899.49
*522.0142	CULVERT PIPE REINFORCED CONCRETE CLASS III 42-INCH	LF	774.30	\$	93.00	\$	72,009.99
522.1012	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH	3.00	\$	563.00	\$	1,689.00
522.1015	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH	EACH	36.00	\$	700.00	\$	25,200.00
522.1018	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH	27.00	\$	559.00	\$	15,093.00
522.1021	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 21-INCH	EACH	1.00	\$	900.00	\$	900.00
522.1024	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	EACH	19.00	\$	715.00	\$	13,585.00
522.1030	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH	EACH	5.00	\$	712.00	\$	3,560.00
522.1036	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	EACH	10.00	\$	942.00	\$	9,420.00
522.1042	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH	EACH	6.00	\$	1,143.00	\$	6,858.00
523.0124	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24X38-INCH	LF	520.38	\$	109.00	\$	56,721.20
523.0129	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 29X45-INCH	LF	66.03	\$	114.00	\$	7,527.65
523.0134	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 34X53-INCH	LF	115.13	\$	142.00	\$	16,348.32
523.0519	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH	EACH	1.00	\$	926.00	\$	926.00
523.0524	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH	EACH	4.00	\$	1,086.00	\$	4,344.00
523.0529	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH	EACH	4.00	\$	1,368.00	\$	5,472.00
523.0534	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 34X53-INCH	EACH	2.00	\$	1,724.00	\$	3,448.00
608.0312	STORM SEWER PIPE REINFORCED CONCRETE 12-INCH	LF	11.52	\$	73.00	\$	840.96
*608.0315	STORM SEWER PIPE REINFORCED CONCRETE 15-INCH	LF	4,587.26	\$	41.00	\$	*188,077.66
*608.0318	STORM SEWER PIPE REINFORCED CONCRETE 18-INCH	LF	5,380.50	\$	43.00	\$	*231,361.41
608.0321	STORM SEWER PIPE REINFORCED CONCRETE 21-INCH	LF	162.77	\$	75.00	\$	12,207.45
*608.0324	STORM SEWER PIPE REINFORCED CONCRETE 24-INCH	LF	2,176.07	\$	62.00	\$	*134,916.53
608.0330	STORM SEWER PIPE REINFORCED CONCRETE 30-INCH	LF	517.74	\$	83.00	\$	42,972.09
608.0336	STORM SEWER PIPE REINFORCED CONCRETE 36-INCH	LF	323.29	\$	116.00	\$	37,501.41
610.0119	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 19X30-INCH	LF	30.35	\$	105.00	\$	3,186.65
610.0429	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 29X45-INCH	LF	158.89	\$	114.00	\$	18,113.46
611.0530	MANHOLE COVERS TYPE J	EACH	19.00	\$	434.00	\$	8,246.00
611.0612	INLET COVERS TYPE C	EACH	6.00	\$	428.00	\$	2,568.00
611.0630	INLET COVERS TYPE HM-GI	EACH	*146.00	\$	600.00	\$	*87,600.00
*611.0633	INLET COVERS TYPE HM-GI-S	EACH	36.00	\$	625.00	\$	22,500.00
611.0642	INLET COVERS TYPE MS	EACH	60.00	\$	376.00	\$	22,560.00
611.0645	INLET COVERS TYPE MS-A	EACH	6.00	\$	393.00	\$	2,358.00
611.0654	INLET COVERS TYPE V	EACH	14.00	\$	576.00	\$	8,064.00
611.1005	CATCH BASINS 5-FT DIAMETER	EACH	2.00	\$	2,305.00	\$	4,610.00
*611.1006	CATCH BASINS 6-FT DIAMETER	EACH	2.00	\$	3,200.00	\$	6,400.00
611.2004	MANHOLES 4-FT DIAMETER	EACH	8.00	\$	1,888.00	\$	15,104.00
611.2005	MANHOLES 5-FT DIAMETER	EACH	11.00	\$	1,588.00	\$	17,468.00
611.2006	MANHOLES 6-FT DIAMETER	EACH	5.00	\$	2,912.00	\$	14,560.00
611.3004	INLETS 4-FT DIAMETER	EACH	2.00	\$	1,257.00	\$	2,514.00
611.3220	INLETS 2X2-FT	EACH	14.00	\$	1,243.00	\$	17,402.00
*611.3230	INLETS 2X3-FT	EACH	177.00	\$	913.00	\$	*161,601.00

Handwritten notes and corrections in the table include:

- Red arrows pointing to specific rows (e.g., 611.0630, 611.0633, 611.0642).
- Text "steel not" written near row 521.0742.
- Text "steel not" written near row 522.0142.
- Text "steel not" written near row 523.0124.
- Text "steel not" written near row 523.0519.
- Text "steel not" written near row 523.0524.
- Text "steel not" written near row 523.0529.
- Text "steel not" written near row 523.0534.
- Text "steel not" written near row 608.0312.
- Text "steel not" written near row 608.0315.
- Text "steel not" written near row 608.0318.
- Text "steel not" written near row 608.0321.
- Text "steel not" written near row 608.0324.
- Text "steel not" written near row 608.0330.
- Text "steel not" written near row 610.0119.
- Text "steel not" written near row 610.0429.
- Text "steel not" written near row 611.0530.
- Text "steel not" written near row 611.0612.
- Text "steel not" written near row 611.0630.
- Text "steel not" written near row 611.0633.
- Text "steel not" written near row 611.0642.
- Text "steel not" written near row 611.0645.
- Text "steel not" written near row 611.0654.
- Text "steel not" written near row 611.1005.
- Text "steel not" written near row 611.1006.
- Text "steel not" written near row 611.2004.
- Text "steel not" written near row 611.2005.
- Text "steel not" written near row 611.2006.
- Text "steel not" written near row 611.3004.
- Text "steel not" written near row 611.3220.
- Text "steel not" written near row 611.3230.

WAUKESHA BYPASS
Cumulative Qty's; Unit Prices; Incidentals

01

ITEM	ITEM DESCRIPTION	UNIT	%	2788-02-00 Quantity	2788-00-02 Quantity	Bid Express Date	Bid Express Unit Price
1 REMOVALS							
1.01	Clearing	STA		#REF!	120		
1.02	Grubbing	STA		#REF!	120		
1.03	Removing Small Pipe Culverts	EACH		#REF!	0		
1.04	Removing Pavement	SY		#REF!	19,203		
1.05	Removing Asphaltic Surface	SY		#REF!	0		
1.06	Removing Curb & Gutter	LF		#REF!	3,336		
1.07	Removing Concrete Sidewalk	LF		#REF!	0		
1.08	Removing Guardrail	LF		#REF!	0		
1.09	Removing Fence	LF		#REF!	0		
1.10	Removing Storm Sewer	LF		#REF!	0		
1.11	Removing Storm Sewer Structures	EACH		#REF!	0		
2 EARTHWORK							
2.01	Excavation Common	CY		#REF!	300,000	7/2/2015	\$8.16
2.02	Excavation Rock	CY		#REF!	0		
2.03	Excavation Marsh	CY		#REF!	60,000	7/10/2015	\$4.30
2.04	EB5	CY		#REF!	30,000		
2.05	Borrow	CY		#REF!	250,000	7/2/2015	\$5.34
2.06	Select Borrow	CY		#REF!	0		
2.07	Backfill Granular	CY		#REF!	103,500	7/14/2015	\$9.00
2.08	Shot Rock	CY		#REF!	0		
3 BASE							
3.01	Base Aggregate Dense 3/4"	TON		#REF!	0		
3.02	Base Aggregate Dense 1 1/4"	TON		#REF!	2,245	7/14/2015	\$17.13
3.03	Limestone Screenings	TON		#REF!	142,831		
3.04	Breaker Run	TON		#REF!	0		
3.05	Select Crushed Material	TON		#REF!	145,976	7/2/2015	\$8.36
3.06	Base Aggregate 1 1/4" Temporary Roadways	TON		#REF!	0		
3.07	Breaker Run Temporary Roadways	TON		#REF!	0		
3.08	Breaker Run for Marsh and EBS Backfill	TON		#REF!	0		
4 PAVEMENT							
4.01	Concrete Pavement 8"	SY		#REF!	137,876	7/2/2015	\$30.33
4.02	Concrete Pavement 9"	SY		#REF!	0		
4.03	Concrete Pavement 10"	SY		#REF!	0		
4.04	Concrete Pavement 11"	SY		#REF!	0		
4.05	Concrete Pavement 12"	SY		#REF!	0		
4.06	Concrete Driveway	TON		#REF!	2,418		
4.07	HMA Pavement Type E-0.3	TON		#REF!	0		
4.08	HMA Pavement Type E-1	TON		#REF!	19,694		
4.09	HMA Pavement Type E-3	TON		#REF!	0		
4.10	HMA Pavement Type E-10	TON		#REF!	0		
4.11	Asphaltic Material	TON		#REF!	1,215		
4.12	Tack Coat	GAL		#REF!	2,050		
4.13	Asphaltic Surface	TON		#REF!	0		
4.14	Asphaltic Surface Driveways & FE's	TON		#REF!	0		
4.15	Asphaltic Surface Temporary Roadways	TON		#REF!	0		
5 ROADWAY MISCELLANEOUS							
5.01	Concrete Curb and Gutter	LF		#REF!	% of Items 1 & 3-4		
5.02	Concrete Sidewalk	LF		#REF!	45,528		
5.03	Concrete Barrier Single-Faced	LF		#REF!	54,076		
5.04	Concrete Barrier Double-Faced	LF		#REF!	0		
5.05	MGS Thre Beam Structure Approach	LF		#REF!	2,478	7/2/2015	\$100.00
5.06	MGS Beam Guard Class A	LF		#REF!	0		
5.07	MGS Beam Guard EAT	EACH		#REF!	0		
5.08	Fencing	LF		#REF!	0		
6 DRAINAGE/STORM SEWER							
520.0115	CULVERT PIPE CLASS III 15-INCH	LF		#REF!	56	7/2/2015	\$40.00
520.0118	CULVERT PIPE CLASS III 18-INCH	LF		#REF!	280	7/2/2015	\$45.00
520.1015	APRON ENDWALLS FOR CULVERT PIPE 15-INCH	EACH		#REF!	4		
520.1018	APRON ENDWALLS FOR CULVERT PIPE 18-INCH	EACH		#REF!	18		
520.8000	CONCRETE COLLARS FOR PIPE	EACH		#REF!	1		
521.0115	CULVERT PIPE CORRUGATED STEEL 15-INCH	LF		#REF!	76		
521.0721	PIPE ARCH CORRUGATED STEEL 21X15-INCH	LF		#REF!	60		
521.0742	PIPE ARCH CORRUGATED STEEL 42X29-INCH	LF		#REF!	152	7/2/2015	\$70.00
521.1015	APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH	EACH		#REF!	6		
521.1221	APRON ENDWALLS FOR PIPE ARCH STEEL 21X15-INCH	EACH		#REF!	4		
521.1242	APRON ENDWALLS FOR PIPE ARCH STEEL 42X29-INCH	EACH		#REF!	8	7/2/2015	\$550.00
522.0112	CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF		#REF!	17		