		80% FED 20% STATE	CONSTRU			
	CODE NO.		ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
	70600332	IMPACT ATTENUATORS,	RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	
	78000200		ENT MARKING - LINE 4"	FOOT	£ 1627	
*	/8000500	THERMOPLASTIC PAVEM	ENT MARKING - LINE 8"	F 00 I	× 940	
•	78000600	THERMOPLASTIC PAVEM	ENT MARKING - LINE 12'	FOOT	57	
Ç.	78003110	PREFORMED PLASTIC P	AVEMENT MARKING, TYPE B LINE 4'		510	
٤	78009004 78100100	A MODIFIED URETHANE F	AVEMENT MARKING JUNE 4"	EACH	1157 <u>4</u> 72	·····
•	78100300	REPLACEMENT REFLECT	OR	EACH	20	
*	78200011	BARRIER WALL REFLEC	TORS, TYPE C	EACH	75	
	78300200	RAISED REFLECTIVE PA	VEMENT MARKER REMOVAL	EACH	20	
	XØ32798Ø	PAVEMENT MARKING RE	MOVAL - WATER BLASTING	SQ FT	1551	
	X2700003	GROOVING FOR RECESS	ED PAVEMENT MARKING 8"	FOOT	1 43	mm
	X2700004	PREFORMED PLASTIC P	AVEMENT MARKING, TYPE B - LINE 7"	FOOT	2 143	
	X7010216	TRAFFIC CONTROL AND	PROTECTION, (SPECIAL)	L SUM	1	
	X7030005	TEMPORARY PAVEMENT	MARKING REMOVAL	SQ FT	4135	
*	X8040150	REMOVAL ELECTRICAL	CONNECTION TO SIGN STRUCTURE	EACH	2	
	X2600027	REMOVE, STORE AND RE	-ERECT OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	2	
	ZØØØ1899	JACK AND REMOVE EXI	STING BEARINGS	EACH	21	
	ZØØØ4556	HOT-MIX ASPHALT SUR	FACE REMOVAL (DECK)	SQ YD	2123	
	ZØØØ6Ø16	BRIDGE DECK LATEX C	DNCRETE OVERLAY, 2 3/4 INCHES	SQ YD	2123	
	ZØØ1213Ø	BRIDGE DECK SCARIFIC	ATION 3/4"	SQ YD	2123	
	ZØØ12754	STRUCTURAL REPAIR O	F CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	1196	
	ZØØ12755	STRUCTURAL REPAIR O	F CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	79	
	ZØØ16ØØ2	DECK SLAB REPAIR (FU	LL DEPTH, TYPE II)	SQ YD	51	
	ZØØ162ØØ	DECK SLAB REPAIR (PA	RTIAL)	SQ YD	68	
*	ZØØ18500	DRAINAGE STRUCTURES	EACH	10		
	Z0030850	TEMPORARY INFORMATI	SQ FT	202		
	ZØØ33Ø28	MAINTENANCE OF LIGH	CAL MO	4		
	Z0041895	POLYMER CONCRETE		CU FT	9	
	Z0043900	PREFORMED JOINT FIL	ER	FOOT	90	
	Z0073200	TEMPORARY SHORING A	ND CRIBBING	EACH	3	
KJD KJD		REVISED - IL 43 (WA REVISED - STATE OF ILLINOIS				I) SI
- RTB F		REVISED - DEPARTMENT OF TRANSPORTATION SCALE: N			HEET NO. 2 OF	J SHEETS S

ENGINEERING GROUP, LLC. ENGINEERING & BROUP, LLC. SUITE 231 MILLSIDE, IL 60162 MIL





GENERAL NOTES

- 1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 2. Reinforcement bars designated (E) shall be epoxy coated.
- 3. Bars noted thus, 3 x 2-#5 indicates 3 lines of bars with 2 lengths of bars per line.
- 4. All structural steel shall conform to AASHTO Classification M-270 Gr 36, unless otherwise noted.
- 5. All exposed concrete edges shall have a ${}^{3}_{4}$ " x 45° chamfer, except where shown otherwise.
- 6. If the analysis submitted to the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.
- 7. The contractor shall take all necessary precautions for the protection of passing vehicles from falling objects and/or materials until completion of the work.
- 8. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by method that will not damage the steel and the cost will be included in the pay item covering removal of the existina concrete.
- 9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 10. Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contract Surface Areas of Existing Steel Structures".
- All new structural steel and bearing assembly shall be hot-dip galvanized. See Special Provisions for 11. "Hot Dip Galvanizing For Structural Steel".
- 12. Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
- 13. The Contractor shall use extreme care during concrete removal so as not to damage the PPC I-Beam.
- 14. Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.
- 15. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50 °F.
- 16. The Contractor shall salvage and return the existing bridge railing to:

District Bridge Office 1101 Biesterfield Rd. Elk Grove Village, IL 60007

Contact Jacek Ejmont or Vito Mazzara at (847) 956-1444. This work shall include removing, transporting and unloading the existing bridge railing to the above yard which cost is included in the cost of "Bridge Rail Removal".

INDEX OF SHEETS

- S01. General Plan and Elevation
- S02. General Notes, Index of Sheets & Total Bill of Material
- S03. Stage I Construction S04.
- Stage II Construction S05.
- Temporary Concrete Barrier S06. Bridge Deck Repair Plan
- S07. Bridge Deck Final Cross Sections
- Parapet Structural Concrete Repairs S08.
- S09. South Abutment Joint Removal and Replacement
- South Abutment Joint Details S10.
- North Abutment Joint Removal and Replacement S11.
- S12. North Abutment Joint Details
- S13. Preformed Joint Strip Seal
- S14. Long. Joint Removal and Deck Reconst. Plans
- S15. Long. Joint Removal and Deck Reconst. Sections and Details
- S16. East Parapet Retrofit
- S17. West Parapet Retrofit
- S18. Framing Plan
- South Abutment, Type I Elastomeric Bearings Details North Abutment, Type I Elastomeric Bearings Details S19. S20.
- S21. South Abutment Repairs
- South Abutment Curtain Wall Ventilation and Grading S22.
- North Abutment Repairs S23,
- S24. Pier Repairs
- S25. Bar Splicer Assembly Details

Porous Granular Embankment Concrete Removal Bridge Rail Removal Protective Shield Concrete Superstructure Bridge Deck Grooving Protective Coat Furnishing and Erecting Structure Reinforcement Bars, Epoxy Coate Bar Splicers Preformed Joint Strip Seal Elastomeric Bearing Assembly, Ty Anchor Bolts, 1" Remove, Store and Re-Erect Ove Jack and Remove Existing Bearing Hot-Mix Asphalt Surface Removal Bridge Deck Latex Concrete Over Bridge Deck Scarification, $\frac{3}{4}$ " Structural Repair of Concrete (De Structural Repair of Concrete (De Deck Slab Repair (Partial) Deck Slab Repair (Full Depth, Typ Polymer Concrete Preformed Joint Filler Temporary Shoring and Cribbing

* Median only

HRM 4415 WEST HARRISON ST.		DESIGNED - JJS, LAB	REVISED - 🕂 02/04/2019		GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL	F.A.U. SECTION	COUNTY TOTAL SHEET SHEETS NO.
ENGINEERING GROUP, LLC. SUITE 231 CONFILENTING & OFFICE HILLSIDE, IL 60162		CHECKED - MI	REVISED -	STATE OF ILLINOIS	IL BOUTE AS OVER IL BOUTE 120 - STRUCTURE NO 040-0111	2706 12R-1HB-1-BR	LAKE 45 13
INSPECTION & RATING PHONE: (708) 236-0900 RESEARCH & TESTING FAX: (708) 236-0901		DRAWN - JJS, LAB	REVISED -	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 60R68
	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. SO2 OF S25 SHEETS	ILLINOIS FED.	AID PROJECT

TOTAL BILL OF MATERIAL							
ΓEM	UNIT	SUPER	SUB	TOTAL			
	Cu. Yd.	-	128	128			
	Cu. Yd.	56.1	-	56.1			
	Foot	608	-	608			
	Sq. Yd.	1,731	-	1,731			
	Cu. Yd.	72.9	-	72.9			
	Sq. Yd.	2,050	-	2,050			
	Sq. Yd.	856	-	856			
al Steel	Pound	5,230	-	5,230			
d	Pound	23,170	-	23,170			
	Each	68	-	68			
	Foot	177	-	177			
rpe I	Each	-	24	24			
	Each	-	96	96			
rhead Sign Structure - Bridge Mounted	Each	2	-	2			
gs	Each	-	21	21			
(Deck)	Sq. Yd.	2,123	-	2,123			
lay, 2 ³ 4 Inches	Sq. Yd.	2,123	-	2,123			
	Sq. Yd.	2,123	-	2,123			
epth Equal to or Less Than 5 Inches)	Sq. Ft.	-	1 , 196	1,196			
epth Greater Than 5 Inches)	Sq. Ft.	79	-	79			
	Sq. Yd.	68	-	68			
pe II)	Sq. Yd.	51	-	51			
	Cu. Ft.	9	-	9			
	Foot	-	90	90			
	Each	-	3	3			



HBM SHITE 231 ENGINEERING GROUP, LLC. SUITE 231 HULSTOFF II 60162		DESIGNED - LAB CHECKED - MI	REVISED - // 02/04/2019 REVISED -	STATE OF ILLINOIS	SOUTH ABUTMENT, TYPE I ELAST
INSPECTION & RATING PHONE: (708) 236-0900 RESEARCH & TESTING FAX: (708) 236-0901	DATE - 12/07/2018	DRAWN - LAB CHECKED - MAI. MI	REVISED - REVISED -	DEPARTMENT OF TRANSPORTATION	SHEET NO. S19 OF



^{/&}lt;u>1</u> REV. 2/22/19



HBM 4415 WEST HARRISON ST.		DESIGNED - LAB CHECKED - MI	REVISED - 102/04/2019 REVISED -	STATE OF ILLINOIS	NORTH ABUTMENT, TYPE I ELASTO	
INSPECTION & RATING PHONE: (708) 236-0900		DRAWN - LAB	REVISED -	DEPARTMENT OF TRANSPORTATION	IL NUUTE 43 OVEN IL NUUTE 120 -	
	DATE - 12/07/2018	CHECKED - MAI, MI	REVISED -		SHEET NO. S20 OF S2	

^{/1\} REV. 2/22/19