CODE NO.	ITEM		CODE
		UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	144
20300100	CHANNEL EXCAVATION	CU YD	826
20400800	FURNISHED EXCAVATION	CU YD	275
25100630	EROSION CONTROL BLANKET	SQ YD	454
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	10
28000305	TEMPORARY DITCH CHECKS	FOOT	20
28000400	PERIMETER EROSION BARRIER	FOOT	750
28100209	STONE RIPRAP, CLASS AS	TON	950
28200200	FILTER FASRIC	SQ YD	811
35100100	AGGREGATE BASE COURSE, TYPE A	TON	119
35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SQ YD	122
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	550
40600982	HOT MIX ASPHALT REMOVAL - BUTT JOINT	SQ YD	106
40603215	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	78
40604100	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE. IL-9.5FG, MIX "C", N50	TON	81
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	48
44000100	PAVEMENT REMOVAL	SQ YD	276
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	623
48101200	AGGREGATE SHOULDERS, TYPE B	TON	157
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	  STRUCTURE EXCAVATION	CU YD	186
50200300	COFFERDAM EXCAVATION	CU YD	133
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1
50300100	FLOOR DRAINS	EACH	14
50300225	CONCRETE STRUCTURES	CU YD	88.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	207 9
50300260	BRIDGE DECK GROOVING	SQ YD	659
50300280	CONCRETE ENCASEMENT	CU YD	20.0
50300300	PROTECTIVE COAT	SQYD	877
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	89.2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	
50500505	STUD SHEAR CONNECTORS	EACH	3,795
	REINFORCEMENT BARS, EPOXY COAYED	POUND	97,220
	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	1,230
		1	-,500
	DRIVING PILES	FOOT	1.280

FILE	NAME ×	200084-shl-summary.dgn	USERHAME = dfoley	DESIGNED - J.W.F.	<b>REVISED</b> • 1 02/28/23	Г
	HAMPTON	, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED =	
_		SPRINGFIELD, BLINCIS 67/03	PLOTSCALE : SSCALES	CHECKED - S.W.M.	REVISED -	
K	LR	LS-PE/SE CORP 184.000919	PLOT DATE = 7/6/2022	DATE - 06/30/2022	REVISED -	

## STATE OF ILLINOIS STARK COUNTY HIGHWAY DEPARTMENT

- 0							F.A.S.	F.A.S. SECTION		TOTAL	SHEET NO.	
	SUMMARY OF QUANTITIES AND GENERAL NOTES					1372	17-00183-00-BR	STARK	50	2		
						C.H. 13/	NORTH VALLEY ROAD	CONTRAC	NO. 897	52		
- 3	SCALE: NONE	SHEET NO. 1	OF	1 SHEETS	STA.	TO STA.	1	ALINOIS FED.AID PROJECT NMKM(136)				

CODE NO.	ITEM		JCTION TYPE CODE 0010
		UNIT	QUANTITY
51500100	NAME PLATES	EACH	1
52100520	ANCHOR BOLTS, 1"	EACH	40
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	104
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	60
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	138
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	25
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAÎL REMOVAL	FOOT	£9083
67100100	MOBILIZATION	Ł SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	162
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	54
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1.860
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	6
X2501000	SEEDING. CLASS 2 (SPECIAL)	ACRE	0.5
X7011006	TRAFFIC CONTROL AND PROTECTION. TEMPORARY DETOUR	L SUM_	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
XX007887	RELOCATE EXISTING RIPRAP	SQ YD	230

<sup>^</sup> SEE SPECIAL PROVISIONS

\* SPECIALTY ITEMS

## **GENERAL NOTES**

- 1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.
- 2) THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES. TELEPHONE LINES, ELECTRIC LINES, WATER SERVICE LINES, GAS MAINS, AND OTHER UTILITY FACILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. BUT THE LOCATIONS ARE NOT GUARANTEED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- 3) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE BASE COURSE 2.05 TON/CU YD GRANULAR BACKFILL 1.50 TON/CU YD STONE RIPRAP 1.75 TON/CU YD

BITUMINOUS MATERIALS APPLICATION RATES

SURFACE TYPE

RESIDUAL RATE

JUNIACE THE	INCOLDUNE WATE
AGGREGATE BASE (PRIME COAT)	0 250 LB/SQ FT
MILLED HIMA OR PCC (TACK COAT)	0.080 LB/SQ FT
EXISTING PAVEMENT (TACK COAT)	0_050 LB/SQ FT
TACK COAT (RETWEEN LIETS)	0.080 LB/SO FT

4) THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE

SEEDING, CLASS 2 (SPECIAL) = 0.50 ACRES

- 5) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE
- 6) COMMITMENTS:

## **HIGHWAY STANDARDS**

000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

001001-02 AREAS OF REINFORCEMENT BARS

280001-07 TEMPORARY EROSION CONTROL SYSTEMS

420406 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

515001-04 NAME PLATE FOR BRIDGES

601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS

630001-12 STEEL PLATE BEAM GUARDRAIL

630301-09 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS

631031-18 TRAFFIC BARRIER TERMINAL, TYPE 6

701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

701901-08 TRAFFIC CONTROL DEVICES

725001-01 OBJECT AND TERMINAL MARKERS

780001-05 TYPICAL PAVEMENT MARKINGS

782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR

CONSTRUCTION ON RURAL LOCAL HIGHWAYS

TEMPORARY DITCH	CHECKS
LOCATION	FOOT
LT STA 11+00	10
LT STA 12+00	10
TOTAL	20

PERIMETER EROSION	BARRIER
LOCATION	FOOT
LT STA 7+50 TO LT STA 9+10	175
RT STA 7+50 TO RT STA 9+10	175
LT STA 11+00 TO LT STA 12+75	200
RT STA 11+00 TO LT STA 12+75	200
TOTAL	750

EROSION CO	EROSION CONTROL TABLE										
	SEEDING,	EROSION	TEMPORARY								
	CLASS 2	CONTROL	EROSION								
LOCATION	(SPECIAL)	BLANKET	CONTROL								
			SEEDING								
	X2501000	25100630	28000250								
C.H. 13 / F.A.S. 1372	ACRE	SQ YD	POUND								
STA. 287+00.00 TO STA. 292+30.17	0.20	221	5								
STA. 293+73.83 TO STA. 300+00.00	0.30	233	5								
TOTAL	0.50	454	10								

					1	
PAVEMEN	T MARKIN	NG SCHEI	DULE			
	SHORT TERM	SHORT TERM	PAINT PAVEMENT MARKING -			
	PAVEMENT	PAVEMENT		LINE 4"		
	MARKING	MARKING	WHITE EDGE	SKIP DASH	SINGLE YELLOW	
LOCATION		REMOVAL	LINES	LINE	CENTERLINE	
	70300100	70300150	78001110			
NORTH VALLEY ROAD / C.H. 13 / F.A.S. 1372	FOOT	SQ. FT.	FOOT	FOOT	FOOT	
LT. STA. 7+50 TO CL. STA. 12+90	54	18	540			
CL-WB STA. 7+50 TO CL. STA. 12+00					450	
CL-EB STA. 7+50 TO CL. STA. 12+90	54	18		30		
CL-EB STA. 8+70 TO CL. STA. 11+30					260	
CL-EB STA. 11+30 TO CL. STA. 12+90		18		40		
RT. STA. 7+50 TO CL. STA. 12+90	54		540			
SUBTOTAL	162	54	1,080	70	710	
TOTAL	162	54		1860		

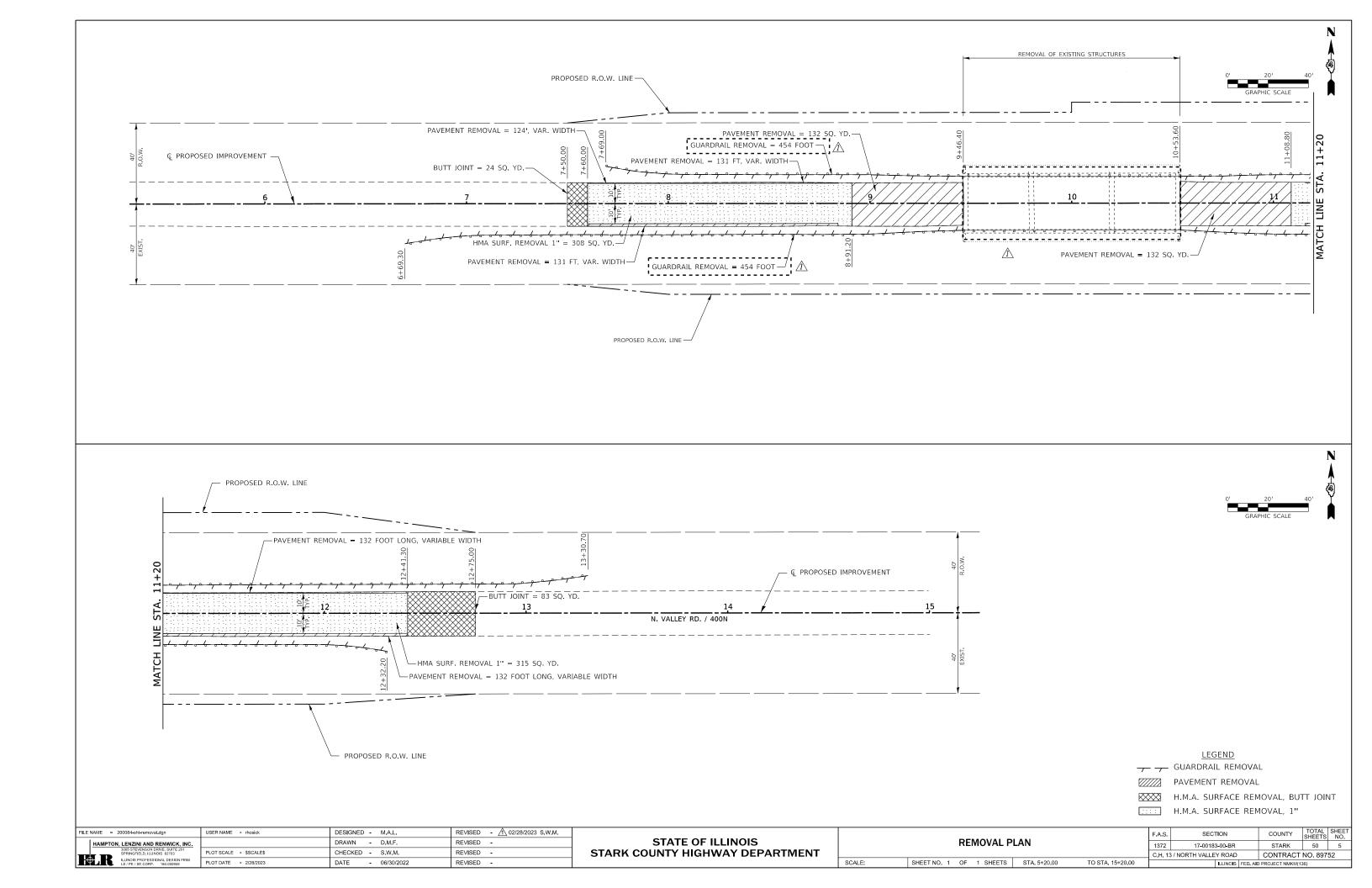
EARTHWORK SCHEDULE										
	EARTH	CHANNEL	SHRINKAGE	PERCENT	EARTH EXCAVATION	EMBANKMENT	EARTHWORK			
LOCATION	EXCAVATION	EXCAVATION	FACTOR	USED	ADJUSTED	REQUIRED	BALANCE			
LOCATION					FOR SHRINKAGE					
	CU YD	CU YD			CU YD	CU YD	CU YD			
STA 7+50 TO STA 9+24.13	49		25%	100%	37	376	-339			
STA 9+24.13 TO STA 10+76.83		826	25%	70%	434		434			
STA 10+76.83 TO STA 12+75	95		25%	100%	71	441	-370			
TOTAL	144	826			542	817	-275			
USE	144	826					275			

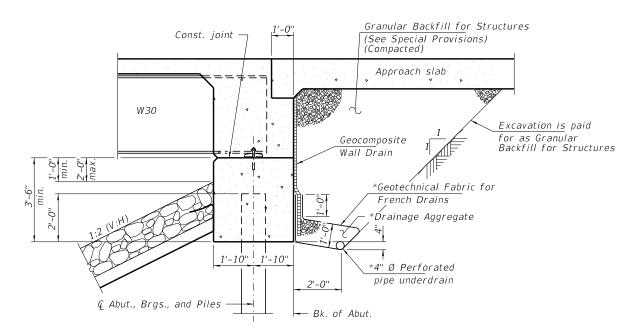
FURNISHED EXCAVATION 275 CU YD

GUARDRAIL SCHEDULE										
	STEEL PLATE BEAM	TRAFFIC	TRAFFIC BARRIER	GUARDRAIL	TERMINAL	GUARDRAIL				
LOCATION	GUARDRAIL, TYPE	BARRIER	TERMINAL, TYPE 1	REMOVAL	MARKER -	REFLECTORS,				
LOCATION	A, 6 FOOT POSTS	TERMINAL,	(SPECIAL)		DIRECT	TYPE A				
		TYPE 6	TANGENT		APPLIED					
C.H. 13 / F.A.S. 1372	63000001	63100085	63100167	63200310	7250100	78200005				
SEE SHEET 9 FOR LAYOUT	FOOT	EACH	EACH	FOOT	EACH	EACH				
				ı						
LT. STA. 8+34.17TO LT. STA. 11+90.83	12.5	2	2	454	2	3				
RT. STA. 8+09.17TO RT. STA. 11+65.83	12.5	2	2	454	2	3				
				i :						
TOTAL	25	4	4	908	4	6				
				$\triangle$		•				

ROADWAY SCHEDULE											
	AGGREGATE	PORTLAND CEMENT	POLYMERIZED	HOT-MIX ASPHALT	POLYMERIZED HOT-	POLYMERIZED HOT-	PAVEMENT	PAVEMENT	HOT-MIX ASPHALT	AGGREGATE	
LOCATION	BASE COURSE	CONCRETE BASE	BITUMINOUS	SURFACE REMOVAL	MIX ASPHALT	MIX ASPHALT SURFACE	CONNECTOR (HMA)	REMOVAL	SURFACE REMOVAL,	SHOULDERS	
LOCATION	TYPE A	COURSE WIDENING	MATERIALS	- BUTT JOINT	BINDER COURSE, IL	COURSE, IL-9.5FG, MIX	FOR BRIDGE		1 INCH	TYPE B	
		7''	(TACK COAT)		9.5FG, N50	"C", N50	APPROACH SLAB				
NORTH VALLEY ROAD / CH 13	TON	SQ YD	POUND	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	TON	
STA 7+50 TO STA 9+24.13	59	63	253	24	77	37	24	138	308	75	
STA 10+76.83 TO STA 12+75	60	59	297	82	1	44	24	138	315	82	
TOTAL	119	122	550	106	78	81	48	276	623	157	

FILE NAME = 200084-sht-schedules.dgn		USER NAME = rhoslck	DESIGNED - J.W.F.	REVISED - 1 02/28/2023 S.W.M.					F.A.S.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.	
	HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -	STATE OF ILLINOIS SCHEDULE OF QUANTITIES AND HIGHWA		HIGHWAY	STANDARDS	1372	17-00183-00-BR	STARK	50 3	
	3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -	STARK COUNTY HIGHWAY DEPARTMENT			C.H. 13 / NC	ORTH VALLEY ROAD	CONTRAC	T NO. 89752		
Li⊕	ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 06/30/2022	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJE		(136)





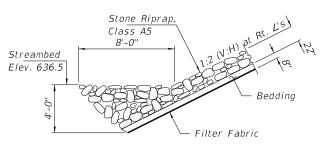
# SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. at Rt. L's)

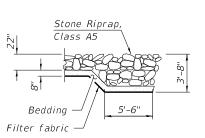
\*Included in the cost of Pipe Underdrains for Structures, 4"

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101). Concrete headwalls shall be included in the cost of Pipe Underdrains for Structures 4".

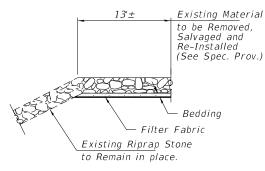
Concrete Headwalls for Pipe Drains shall be installed at each pipe underdrain outlet. (4 each).







SECTION B-B



SECTION C-C

### GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts  $\frac{7}{8}$ "0, holes

15/16"Ø, unless otherwise noted.

Calculated weight of Structural Steel = 117,160 lbs.
All structural steel shall be AASHTO M 270 Grade 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Structural steel shall only be painted from distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not



CAMP RUN CREEK BUILT 202 BY STARK COUNTY SEC. 17-00183-00-BR C.H. 13 / F.A.S. 1372 STR. NO. 088-3413 LOADING HL-93

### NAME PLATE See Std. 515001

### TOTAL BILL OF MATERIAL

· · · · · · · · · · · · · · · · · · ·								
ITEM	UNIT	SUPER	SUB	TOTAL				
Channel Excavation	Cu. Yd.		826	826				
Stone Riprap, Class A5	Ton		950	950				
Filter Fabric	Sq. Yd.		811	811				
Removal of Existing Structures	Each			1				
Structure Excavation	Cu. Yd.		186	186				
Cofferdam Excavation	Cu. Yd.			133				
Cofferdam (Type 1) (Location - 1)	Each			1				
Cofferdam (Type 1) (Location - 2)	Each			1				
Floor Drains	Each	14		14				
Concrete Structures	Cu. Yd.		88.8	88.8				
Concrete Superstructure	Cu. Yd.	207.9		207.9				
Bridge Deck Grooving	Sq. Yd.	659		659				
Concrete Encasement	Cu. Yd.		20.0	20.0				
Protective Coat	Sq. Yd.	877		877				
Concrete Superstructure (Approach Slab)	Cu. Yd.	89.2		89.2				
Furnishing and Erecting Structural Steel	L. Sum	1		1				
Stud Shear Connectors	Each	3,795		3,795				
Reinforcement Bars, Epoxy Coated	Pound	83,490	13,730	97,220				
Furnishing Metal Shell Piles 14"x0.312"	Foot		1,280	1,280				
Driving Piles	Foot		1,280	1,280				
Test Pile Metal Shells	Each		2	2				
Name Plates	Each		1	1				
Anchor Bolts, 1"	Each		40	40				
Granular Backfill for Structures	Cu. Yd.		104	104				
Geocomposite Wall Drain	Sq. Yd.		60	60				
Concrete Headwalls for Pipe Drains	Each		4	4				
Pipe Underdrains for Structures 4"	Foot		138	138				
Relocate Existing Riprap	Sq. Yd.		230	230				

ı	FILE NAME = 200084-sht-bridge.dgn	USER NAME = rhosick	DESIGNED - P.R.R.	REVISED - 🛆 02/28/2023 S.W.M.
	HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
	3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = \$SCALE\$	DRAWN - R.D.H.	REVISED -
	ILLINOIS PROFESSIONAL DESIGN FIRM LIS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS								
STARK COUNTY	HIGHWAY DEPARTMENT							

GENERAL DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
STRUCTURE NO. 088-3413	1372	17-00183-00-BR	STARK	50	12
511/00101/E 110: 000-0415		C.H. 13 / NORTH VALLEY ROAD CONTRACT I			
SHEET NO. 2 OF 22 SHEETS		ILLINOIS FED. AL	D PROJECT NMKM/1	36)	