

**GENERAL NOTES**

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE EXISTING RIGHT-OF-WAY AND TEMPORARY EASEMENT. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

FRAMES AND GRATES ON EXISTING DRAINAGE OR SANITARY STRUCTURES, WHICH ARE TO BE REMOVED, ABANDONED, OR WHICH OTHERWISE ARE NOT INCORPORATED INTO THE IMPROVEMENT SHALL BECOME THE PROPERTY OF THE CITY OF DANVILLE. THE CONTRACTOR SHALL STORE THE FRAMES AND GRATES WITHIN THE RIGHT OF WAY AT LOCATIONS DESIGNATED BY THE ENGINEER.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.

VERIFICATION OF DIMENSIONS : IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

THE CONTRACTOR SHALL COOPERATE WITH THE CITY OF DANVILLE ON ANY UNDERGROUND CONSTRUCTION WHICH THE CITY MAY WISH TO PLACE BEFORE THE PROJECT IS COMPLETED.

EXISTING PAVEMENT, SIDEWALK, DRIVEWAY PAVEMENT, CURB AND GUTTER AND EXISTING DRAINAGE STRUCTURES NOT INCLUDED IN THE PLANS FOR REMOVAL, BUT DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS, BUT INTERFERING WITH PROPOSED CONSTRUCTION, SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.

THE REMOVAL OF HOT-MIX ASPHALT SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.

WHENEVER IT IS NECESSARY TO REMOVE BITUMINOUS AGGREGATE MIXTURE, OIL AND CHIP SURFACE, EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE CITY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE CITY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) REGULATIONS WHICH APPLY TO STORM SEWER CONSTRUCTION REGARDING THE HORIZONTAL AND VERTICAL SEPARATION OF A STORM SEWER LINE FROM ANY EXISTING OR PROPOSED WATERMAIN. AT LOCATIONS WHERE THE SEPARATION IS INADEQUATE, THE CONTRACTOR SHALL ADJUST THE WATERMAIN TO PROVIDE THE REQUIRED SEPARATION OR CONSTRUCT THE STORM SEWER OF THE MATERIAL SPECIFIED IN THE E.P.A. REGULATIONS.

THE ELEVATIONS AND EXACT SIZE OF ALL EXISTING WATERMANS AND SANITARY SEWERS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF EACH RUN OF STORM SEWER TRUNK LINE OR LATERAL LINE WITHIN WHICH A CROSSING OF EITHER OR BOTH TYPES OF THESE EXISTING UTILITIES IS TO BE ENCOUNTERED. THE CONTRACTOR SHALL THEN DETERMINE WHICH OF THE ABOVE OPTIONS HE WILL USE TO RESOLVE THE CONFLICT BETWEEN THE PROPOSED STORM SEWER AND THE EXISTING UTILITY. THE APPROVAL OF THE RESIDENT ENGINEER AND THE SUPERINTENDENT OF THE UTILITY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION OF THIS SEGMENT OF STORM SEWER.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.

THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN CONNECTING EXISTING DRAIN TILE OR STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES, SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.

THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENT ARE TO BE SEALED (PLUGGED) TO THE SATISFACTION OF THE ENGINEER. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.

**GENERAL NOTES (CONTINUED)**

FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION WITH THE CURB/GUTTER, THE OFFSET DISTANCE SHOWN ON THE PLANS IS FROM THE CENTERLINE OF CONSTRUCTION TO THE FLOWLINE OF GUTTER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE, AT THE PROPOSED LOCATION SO THAT THE FRAME MATCHES THE CURB LINE.

ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES OUTSIDE THE PROPOSED PAVEMENT SHALL BE SEEDED IN ACCORDANCE WITH THE APPLICABLE SECTION 250 OF THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF THE PAVING.

THE CONTRACTOR SHALL BE PERMITTED TO STOCKPILE EXCESS EARTH FROM THE MAY AND ROGERS PORTION OF THE PROJECT FOR USE ON VOORHEES STREET. THE STOCKPILE WILL BE LOCATED ON CITY OWNED PROPERTY AT THE SOUTH END OF COLLETT STREET NEAR THE EAST FAIRCHILD STREET OVERPASS. EXACT LOCATION WILL BE AS DIRECTED BY THE CITY AT THE TIME OF CONSTRUCTION.



**REQUIRED HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-12 PERPENDICULAR CURB RAMPS
- 424001-10 DEPRESSED CORNER FOR SIDEWALKS
- 424021-04 PAVEMENT CONNECTOR (PPC) FOR BRIDGE APPROACH SLAB
- 515001-03 NAME PLATE FOR BRIDGES
- 602301-04 INLET, TYPE A
- 602306-03 INLET, TYPE B
- 602401-04 MANHOLE, TYPE A
- 602601-05 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 MANHOLE STEPS
- 604001-04 FRAME AND LIDS, TYPE 1
- 604036-03 GRATE, TYPE 8
- 604041-03 FRAME AND GRATE, TYPE 9
- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45MPH
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-07 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

**LEGEND**

- ⊙ PROPOSED MANHOLE
- PROPOSED INLET
- ⊕ TRENCH BACKFILL - CU YD
- ⊕ INLET AND PIPE PROTECTION (BEFORE PAVING)  
INLET FILTER (AFTER PAVING)
- ⊕ STRUCTURE OR FIRE HYDRANT TO BE REMOVED
- ⊕ WATER VALVE OR METER TO BE ADJUSTED
- ⊕ FRAME AND LID TO BE ADJUSTED
- ⊕ FIRE HYDRANT TO BE ADJUSTED
- ⊕ FIRE HYDRANT TO BE MOVED
- SSWMR STORM SEWER (WATER MAIN REQUIREMENT)
- L = 610.95 LID ELEVATION
- INV = 608.30 INVERT ELEVATION
- FL = 610.52 FLOWLINE ELEVATION
- TBR TO BE REMOVED
- PROPOSED STORM SEWER
- STORM SEWER REMOVAL
- PERIMETER EROSION BARRIER
- SIDEWALK REMOVAL
- PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL
- PROPOSED RIPRAP
- DETECTABLE WARNING

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

LOCATION	VOORHEES		MAY & ROGERS	
	HMA SURF CRSE	HMA SURF CRSE	HMA SURF CRSE	HMA BINDER COURSE
MIXTURE USES	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ N50	4% @ N50	4% @ N50	4% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-9.5	IL-9.5	IL-19.0
FRICION AGGREGATE	MIX "D"	MIX "D"	N/A	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A	N/A	N/A

HMA QUANTITIES CALCULATED USING 112 LB/SY/IN

FILE NAME = 3999sht-GenNotes.dgn	USER NAME = JDaen	DESIGNED - AWM/BAN	REVISED - 2/6/18
		DRAWN - TJD/CET	REVISED -
	PLOT SCALE = 2.0000' / 1"	CHECKED - AWM/BAN	REVISED -
	PLOT DATE = 2/7/2018	DATE -	REVISED -

**CITY OF DANVILLE**

**VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION  
GENERAL NOTES, STANDARDS AND LEGEND**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 6999	SECTION 08-00330-02-PV	COUNTY VERMILTON	TOTAL SHEETS 79	SHEET NO. 2
			CONTRACT NO. 91567	
ILLINOIS FED. AID PROJECT 5H8B7421				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% LOCAL	80% FEDERAL
				ROADWAY	BRIDGE
				0004 URBAN	0010 092-7211
△ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	131		131
△ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18		18
20200100	EARTH EXCAVATION	CU YD	1546	1426	120
△ 20400800	FURNISHED EXCAVATION	CU YD	415		415
20800150	TRENCH BACKFILL	CU YD	415	415	
△ 25000200	SEEDING, CLASS 2	ACRE	0.75	0.5	0.25
△ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	51	33	18
△ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	51	33	18
△ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	51	33	18
△ 25100125	MULCH, METHOD 3	ACRE	0.75	0.5	0.25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	237	37	200
28000400	PERIMETER EROSION BARRIER	FOOT	545	80	465
28000500	INLET AND PIPE PROTECTION	EACH	12	12	
28000510	INLET FILTERS	EACH	12	12	

• SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

FILE NAME = 3999-shr-S001.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED - 2/6/18	<b>CITY OF DANVILLE</b>	<b>VOORHEES ST BRIDGE AND MAY ST &amp; ROGERS ST RECONSTRUCTION</b> <b>SUMMARY OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD	REVISED -			6999	08-00330-02-PV	VERMILION	79	3
		CHECKED - AWM	REVISED -					CONTRACT NO. 91567		
		DATE -	REVISED -			SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT SH88142

EARTHWORK				
LOCATION	20200100	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE *	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)
	EARTH EXCAVATION			
CU YD				
MAY ST	1,210.8	968.6	12.0	956.6
ROGERS ST	215.2	172.2	0.0	172.2
FROM VOORHEES ST SCHEDULE				(104.0)
TOTAL	1,426.0	1,140.8	12.0	1,024.8
USE	1,426	1,141	12	1,025

\* SHRINKAGE FACTOR = 20%

STATION TO STATION	PAVEMENT SCHEDULE				
	35100700	40600275	40600290	40603080	40603335
	AGGREGATE BASE COURSE, TYPE A, 8"	BITUMINOUS MATERIALS		HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NS0	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NS0
	PRIME COAT	TACK COAT			
SQ YD		POUND		TON	
ROGERS ST					
602+80.33	604+18.71	430.6	761.1	76.1	42.6
MAY ST					
13+46.16	14+28.20	410.1	779.2	77.9	43.6
14+28.20	16+52.16	696.8	1231.8	123.2	69.0
16+52.16	17+15.62	446.9	860.1	86.0	48.2
17+15.62	19+46.75	719.0	1271.2	127.1	71.2
19+46.75	20+11.54	391.4	756.2	75.6	42.3
TOTAL		3094.9	5659.5	565.9	316.9
USE		3095	5660	566	317

LINEAR DETECTABLE WARNING					
STATION TO STATION	OFFSET TO OFFSET	SIDE		42400800	
DETECTABLE WARNINGS					
SQ FT					
MAY ST					
13+54.59	13+59.59	13.08	15.08	LT	10.0
16+59.38	16+64.38	17.80	19.80	RT	10.0
17+01.91	17+06.91	17.83	19.83	RT	10.0
TOTAL					30.0
USE					30

STATION TO STATION	SEEDING						
	X2110104	25000200	25000400	25000500	25000600	25100125	28000250
	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	SEEDING, CLASS 2	FERTILIZER NUTRIENT			MULCH, METHOD 3	TEMPORARY EROSION CONTROL SEEDING
	NITROGEN	PHOSPHORUS	POTASSIUM				
SQ YD		ACRE	POUND			ACRE	POUND
ROGERS ST							
602+72.83	604+45.06	222.30	0.06	5.4	5.4	5.4	0.06
MAY ST							
13+18.66	16+75.60	609.40	0.15	13.2	13.2	13.2	0.15
16+96.40	19+84.99	506.00	0.12	10.6	10.6	10.6	0.12
COLLETT ST RT			0.04	3.7	3.7	3.7	0.04
VOORHEES ST							
18+83.17	21+12.17		0.25	18.0	18.0	18.0	0.25
TOTAL		1337.7	0.62	50.9	50.9	50.9	0.62
USE		1338	0.75	51	51	51	0.75

LOCATION	ENTRANCE SCHEDULE		
	42001300	40200500	42300200
	PROTECTIVE COAT	AGGREGATE SURFACE COURSE, TYPE A, 6"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6"
SQ YD			
ROGERS ST			
603+00.76 RT	10.1		10.1
603+05.76 LT	6.9		6.9
603+30.61 LT	5.7		5.7
603+44.83 RT	18.2		18.2
603+89.98 RT	16.9		16.9
MAY ST			
13+36.12		38.0	
15+08.33 RT	16.9		16.9
15+28.97 RT	18.2		18.2
16+14.39 LT	7.9		7.9
17+63.71 RT	14.3		14.3
17+68.97 LT	8.4		8.4
18+56.67 RT	23.3		23.3
18+21.7 LT	8.2		8.2
18+36.18 RT	18.0		18.0
18+37.32 LT	9.7		9.7
TOTAL	182.6	38.0	182.6
USE	183	38	183

RADIAL DETECTABLE WARNING					
LOCATION	OUTER RADIUS	INNER RADIUS	OUTER ARC LENGTH	INNER ARC LENGTH	42400800
	DETECTABLE WARNINGS				
SQ FT					
ROGERS ST & MAY ST					
SW CORNER	17.92	15.92	7.52	6.68	14.20
BALDWIN ST & MAY ST					
NW CORNER	17.92	15.92	12.66	9.36	22.03
NE CORNER	17.92	15.92	11.95	8.65	20.61
COLLETT ST & MAY ST					
NW CORNER	32.92	35.92	9.11	8.16	17.19
TOTAL					74.03
USE					75

PERIMETER EROSION BARRIER		
STATION TO STATION	28000400	
	PERIMETER EROSION BARRIER	FOOT
MAY ST		
13+24.05	13+47.09	26.6
13+24.43	13+34.55	27.1
19+48.08	19+69.09	25.5
TOTAL		79.2
USE		80

INLET AND PIPE PROTECTION					
STATION	OFFSET	SIDE	28000500	28000510	
			INLET AND PIPE PROTECTION	INLET FILTERS	
EACH					
ROGERS ST					
603+90.00	12.00	RT	1		1
603+90.00	12.00	LT	1		1
MAY ST					
13+66.21	12.00	LT	1		1
14+05.00	19.65	RT	1		1
16+69.94	45.00	RT	1		1
16+70.27	47.01	LT	1		1
16+99.29	46.97	LT	1		1
16+97.94	47.00	RT	1		1
16+99.77	18.66	RT	1		1
17+08.84	13.27	LT	1		1
19+75.00	32.00	LT	1		1
19+76.96	31.01	RT	1		1
TOTAL			12		12
USE			12		12

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH						
STATION TO STATION	SIDE	WIDTH	42001300	42400200		
			PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH		
			SQ YD	SQ FT		
ROGERS ST						
600+30.28	604+55.64	LT	6'	288.2	2593.8	
MAY ST						
13+54.09	13+65.53	LT	6'	11.1	100.0	
13+65.58	15+06.00	LT	5'	77.9	701.1	
16+25.00	16+55.51	LT	5'	16.9	151.9	
16+55.51	16+70.41	LT	6'	13.7	123.7	
16+58.88	16+64.89	RT	5'-6'	8.4	76.0	
16+99.02	17+13.35	LT	6'	16.4	147.3	
17+01.39	17+07.4	RT	5'-6'	8.5	76.8	
17+13.35	17+50.00	LT	5'	20.3	183.0	
18+26.51	19+56.56	LT	5'	72.2	649.8	
19+56.56	19+73.74	LT	6'	8.9	80.0	
TOTAL				542.6	4883.4	
USE				543	4884	

ENTRANCE AND SIDEWALK REMOVAL					
STATION TO STATION	SIDE	44000200	44000600		
		DRIVEWAY PAVEMENT REMOVAL	SIDEWALK REMOVAL		
		SQ YD	SQ FT		
ROGERS ST					
600+30.28	600+35.07	LT			3.5
603+25.18	603+34.44	LT	5.2		
MAY ST					
14+18.91	14+36.33	LT		4.6	
14+29.99	14+32.60	RT			19.9
14+37.75	15+06.00	LT			225.3
15+13.93	15+21.82	RT			64.6
16+25.00	16+66.54	LT			231.0
16+61.12	16+65.88	RT			24.6
17+02.5	17+07.48	RT			31.2
17+02.37	17+50.00	LT			289.0
17+74.59	17+84.67	LT			23.2
TOTAL			9.8		912.4
USE			10		913

STONE RIPRAP, CLASS A4						
STATION TO STATION	SIDE	WIDTH	LENGTH	28100107	28200200	
				STONE RIPRAP, CLASS A4	FILTER FABRIC	
			FT	SQ YD		
MAY ST						
13+36.2	13+46.2	LT	10	17.4	19.3	19.3
VOORHEES ST						
SEE STRUCTURE PLANS				95.0	95.0	
TOTAL					114.3	114.3
USE					115	115

PIPE CULVERT REMOVAL				
STATION TO STATION	SIDE	50105220		
		PIPE CULVERT REMOVAL	FOOT	
MAY ST				
16+04.29	16+42.30	LT		38.1
TOTAL				38.1
USE				39

**TREE REMOVAL**

STATION	OFFSET	SIDE	20100110	20100210
			6 TO 15 UNITS	OVER 15 UNITS
18+96	80'	RIGHT	8	
19+00	66'	RIGHT	8	
19+00	76'	RIGHT	6	
19+06	22'	RIGHT	10	
19+06	23'	RIGHT	10	
19+09	22'	RIGHT	6	
19+11	52'	RIGHT	6	
19+16	36'	RIGHT	6	
19+17	23'	RIGHT	9	
19+23	55'	RIGHT	8	
19+27	25'	RIGHT	14	
19+28	23'	RIGHT		18
19+44	73'	RIGHT	8	
19+46	46'	RIGHT	12	
19+51	39'	RIGHT	12	
19+71	27'	RIGHT	8	
TOTAL			131	18

**EARTHWORK SUMMARY**

STATION TO STATION	20200100	50200100	FILL	WASTE (SHORTAGE)
	EARTH EXCAVATION CU YD	STRUCTURE EXCAVATION CU YD		
RDWY 18+83.17 - 19+49.17	57		501	(458)
RDWY 20+52.17 - 21+12.17	63		4	43
CHANNEL				
STRUCTURE		415		311
COFFERDAM				
TOTAL	120	415	505	(104)
USE	120	415		(104)

(@ 25% SHRINKAGE)

\* SEE EARTHWORK ON SHEET 12 AND GENERAL NOTE REGARDING STOCKPILING EARTH



**PERIMETER EROSION BARRIER**

STATION TO STATION	SIDE	28000400
		FOOT
18+83 - 19+49	RIGHT	195
19+00 - 19+49	LEFT	55
20+52 - 21+12	LEFT	65
20+52 - 21+92	RIGHT	150
TOTAL		465

**AGGREGATE BASE COURSE, TYPE A**

STATION TO STATION	SIDE	THICKNESS	WIDTH	LENGTH	35100100
					TON
18+95.00 - 19+13.17	RIGHT	0.33'	3.44' AVG.	18.17'	1
19+00.00 - 19+13.17	LEFT	0.33'	2.88' AVG.	13.17'	1
20+82.17 - 21+12.17	LEFT	0.33'	3.18' AVG.	30.00'	2
20+82.17 - 21+12.17	RIGHT	0.33'	3.57' AVG.	30.00'	3
TOTAL					7

**HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"**

STATION TO STATION	WIDTH	LENGTH	44000158
			SQ YD
18+83.17 - 19+03.17	24.81' AVG.	20.00'	55
20+92.17 - 21+12.17	24.15' AVG.	20.00'	54
TOTAL			109

**MANHOLES TO BE ADJUSTED**

STATION	OFFSET	SIDE	60255500
			EACH
18+89	16'	RIGHT	1
TOTAL			1

**PORTLAND CEMENT BASE COURSE WIDENING 9 3/4"**

STATION TO STATION	SIDE	WIDTH	LENGTH	35400475
				SQ YD
18+95.00 - 19+03.17	RIGHT	0.37' AVG.	8.17'	1
19+00.00 - 19+03.17	LEFT	0.09' AVG.	3.17'	1
20+92.17 - 21+12.17	LEFT	0.62' AVG.	20.00'	1
20+92.17 - 21+12.17	RIGHT	0.73' AVG.	20.00'	2
TOTAL				5

**PAVEMENT SCHEDULE**

STATION TO STATION	WIDTH	LENGTH	40600290	40603335	42000080
			TACK COAT POUND 0.05 LBS/SQ FT	HOT-MIX ASPHALT SURF CSE TON 112#/SQ YD/IN	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB SQ YD
18+83.17 - 19+03.17	24.82' AVG.	20.00'	25	7	
19+03.17 - 19+13.17	26.84' AVG.	10.00'			30
20+82.17 - 20+92.17	27.12' AVG.	10.00'			30
20+92.17 - 21+12.17	24.12' AVG.	20.00'	25	7	
TOTAL			50	14	60

**PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH**

STATION TO STATION	SIDE	WIDTH	LENGTH	42400200
				SQ FT
18+83.17 - 19+13.17	RIGHT	VARIES	30.00'	238
20+82.17 - 21+91.89	RIGHT	9' & VAR.	139.72'	940
TOTAL				1,178

**PAVEMENT REMOVAL**

STATION TO STATION	WIDTH	LENGTH	44000100
			SQ YD
19+03.17 - 19+60.42	VARIES	57.25'	173
20+40.92 - 20+92.17	VARIES	51.25'	156
TOTAL			329

**COMBINATION CONCRETE CURB AND GUTTER REMOVAL**

STATION TO STATION	SIDE	44000500
		FOOT
18+95 - 19+40	RIGHT	45
19+00 - 19+37	LEFT	37
20+68 - 21+12	LEFT	44
20+61 - 21+12	RIGHT	51
TOTAL		177

**SIDEWALK REMOVAL**

STATION TO STATION	SIDE	WIDTH	LENGTH	44000600
				SQ FT
18+83.17 - 19+60.43	RIGHT	VARIES	77.26'	300
19+36.91 - 19+60.43	LEFT	2.16' AVG.	23.52'	51
20+40.84 - 20+67.24	LEFT	2.09' AVG.	26.40'	55
20+40.84 - 21+91.77	RIGHT	VARIES	150.93'	850
TOTAL				1,256

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18**

STATION TO STATION	SIDE	60604400
		FOOT
18+87 - 18+89	RIGHT	2
19+00 - 19+13	LEFT	13
21+06 - 21+12	LEFT	6
20+82 - 21+12	RIGHT	30
TOTAL		51

**PAINT PAVEMENT MARKING - LINE 4"**

STATION TO STATION	SIDE	DESCRIPTION	78001110
			FOOT
18+83.17 - 21+12.17	℄	YELLOW SKIP DASH	57
TOTAL			57

**CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED**

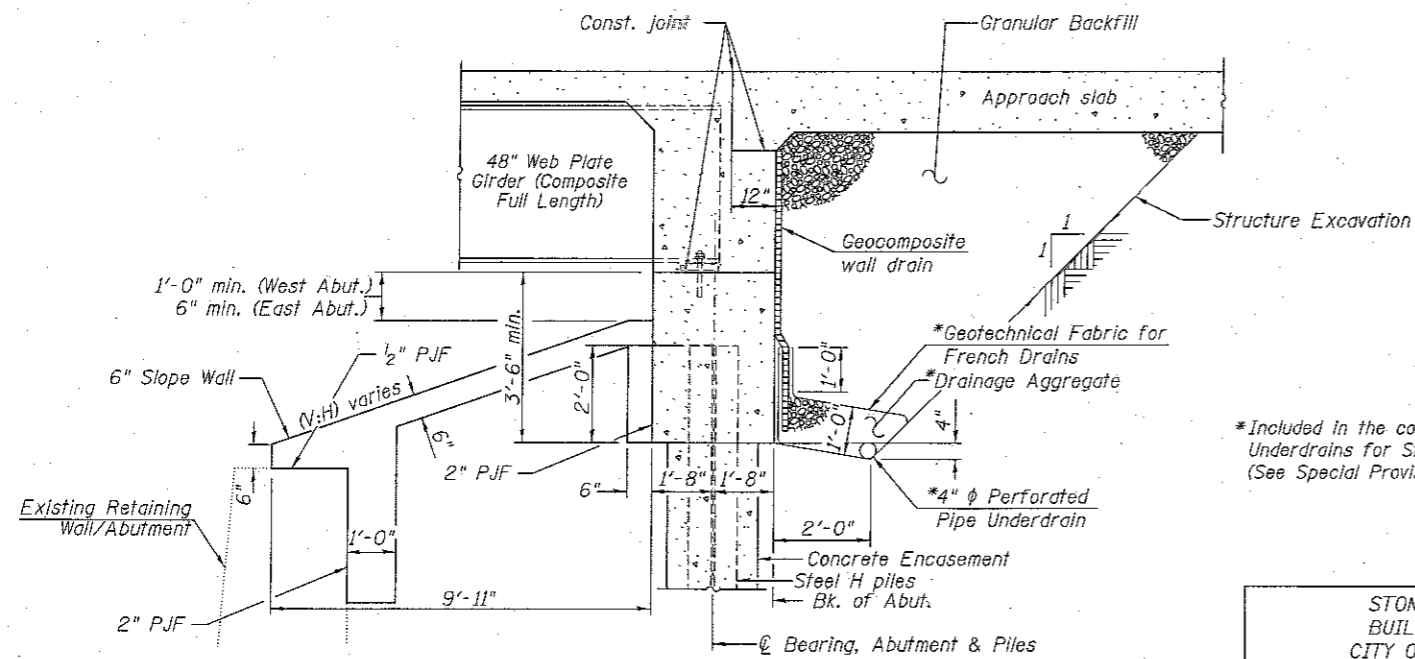
STATION TO STATION	SIDE	X6640304
		FOOT
18+83 - 19+31	RIGHT	50
TOTAL		50

**EVERGREEN, THUJA ACCIDENTALIS (AMERICAN ABORVITAE), 6' HEIGHT, BALLED AND BURLAPPED**

STATION TO STATION	SIDE	D2003772
		EACH
19+13	LEFT	1
19+13	RIGHT	1
20+75	LEFT	1
20+75	RIGHT	1
20+80 - 21+75	LEFT	17
TOTAL		21

**LANDSCAPING GRAVEL**

STATION TO STATION	SIDE	WIDTH	LENGTH	X0323117
				SQ YD
20+74 - 21+79	LEFT	6'	105'	70
TOTAL				70



\*Included in the cost of Pipe Underdrains for Structures (See Special Provisions)

STONEY CREEK  
BUILT 201 BY  
CITY OF DANVILLE  
SEC. 08-00330-02-PV  
VOORHEES ST. STATION 20+00.67  
F.A. PROJ. SHBB(742)  
STR. NO. 092-7211 LOADING HL-93

**NAME PLATE**

Locate Name Plate on Parapet  
S.W. Corner of Bridge (See Std. 515001)

**SECTION THRU INTEGRAL ABUTMENT**

**Note:**

All drainage system components shall extend to inside face of each existing wingwall except the \*pipe underdrain shall extend to the outside face of existing wingwalls. A \*hole shall be drilled into the existing wingwalls for the pipe underdrain to exit through.

**GENERAL NOTES**

Fasteners shall be ASTM A325 type 3. Bolts 3/4" φ, holes 15/16" φ, unless otherwise noted.

Calculated weight of Structural Steel = 124,310 lb (AASHTO M270 Gr. 50W)

All structural steel shall be AASHTO M270 Gr. 50W.

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

Reinforcement bars designated (E) shall be epoxy coated.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 18 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

See Special Provisions for soil boring logs.

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 be not 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.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection for the approach slabs.

**INDEX OF SHEETS**

SH. #'s	DESCRIPTION
1	General Plan and Elevation
2	Bill of Material, Details and General Notes
3	Slope Wall Details
4-5	Top of Slab Elevations
6-7	Top of Approach Slab Elevations
8	Superstructure
9	Superstructure Details
10-11	Diaphragm Details
12-15	Approach Slab Details
16	Drainage Scupper, DS-II
17	Rail Post Spacing Details
18-18A	Bridge Fence Railing Details
19	Framing Plan
20	Structural Steel Details
21	Bearing Details
22-23	Concrete Removal & Repair
24	West Abutment
25	East Abutment
26	HP Pile Details
27	Concrete Parapet Slipforming Option
28-30	Existing Plans

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	SQ YD	---	95	95
Filter Fabric	SQ YD	---	95	95
Granular Backfill for Structures	CU YD	---	120	120
① Removal of Existing Superstructure	EACH	---	---	1
Structure Excavation	CU YD	---	415	415
Concrete Structures	CU YD	---	68.2	68.2
Concrete Superstructure	CU YD	194.8	---	194.8
Concrete Superstructure (Approach Slab)	CU YD	148.6	---	148.6
Bridge Deck Grooving	SQ YD	525	---	525
Protective Coat	SQ YD	970	---	970
Furnishing and Erecting Structural Steel	L SUM	1	---	1
Reinforcement Bars, Epoxy Coated	POUND	96,140	7,300	103,440
Stud Shear Connectors	EACH	2,466	---	2,466
Anchor Bolts, 1"	EACH	---	24	24
① Structural Repair of Concrete (Depth equal to or less than 5")	SQ FT	---	36	36
① Structural Repair of Concrete (Depth more than 5")	SQ FT	---	47	47
Slope Wall 6 Inch	SQ YD	---	85	85
Furnishing Steel Piles HP14x89	FOOT	---	595	595
① Setting Piles in Rock	EACH	---	14	14
Name Plates	EACH	1	---	1
Concrete Encasement	CU YD	---	59.8	59.8
① Bridge Fence Railing (Sidewalk)	FOOT	168	---	168
① Bridge Fence Railing	FOOT	168	---	168
Concrete Removal	CU YD	---	41.7	41.7
Geocomposite Wall Drain	SQ YD	---	56	56
① Pipe Underdrains For Structures 4"	FOOT	---	76	76
Drainage Scuppers, DS-II	EACH	2	---	2
① See Special Provisions				

DESIGNED	-	CTM
CHECKED	-	BAN
DRAWN	-	CET/CTM
CHECKED	-	BAN

REVISED	2/6/18	⚠
REVISED	---	---
REVISED	---	---
REVISED	---	---

**CITY OF DANVILLE**

**BILL OF MATERIAL, DETAILS AND GENERAL NOTES**

SHEET NO. 2 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	35
	SN 092-7211		CONTRACT NO. 91567	
FED. ROAD DIST. NO. 7 [ILLINOIS]			FED. AID PROJECT SHBB(742)	