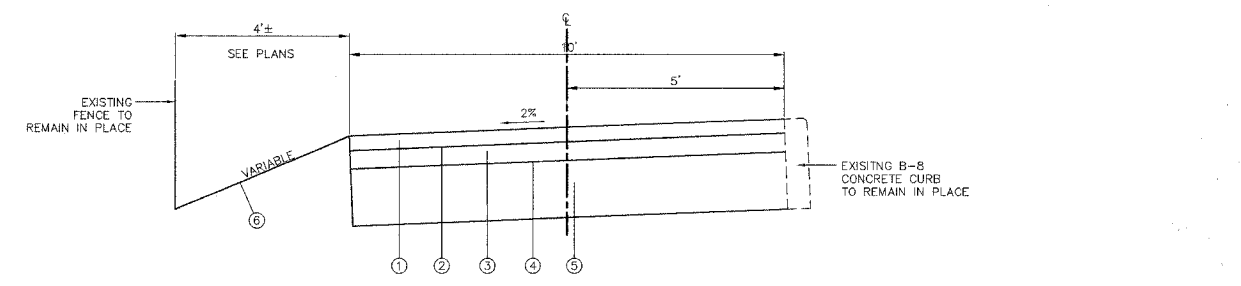
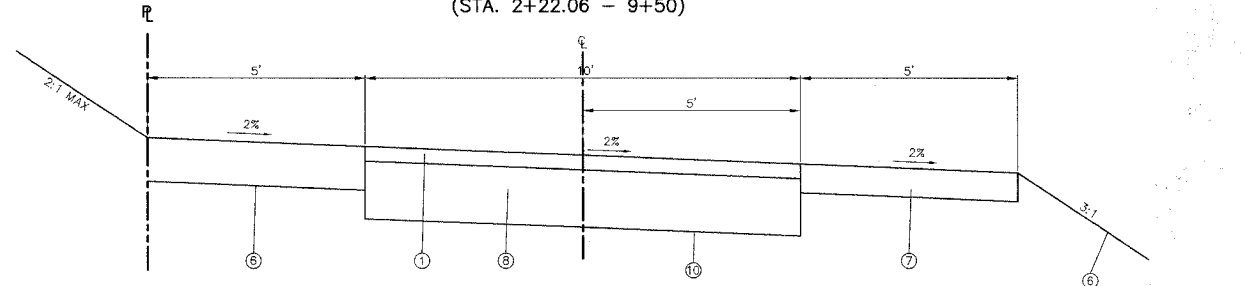


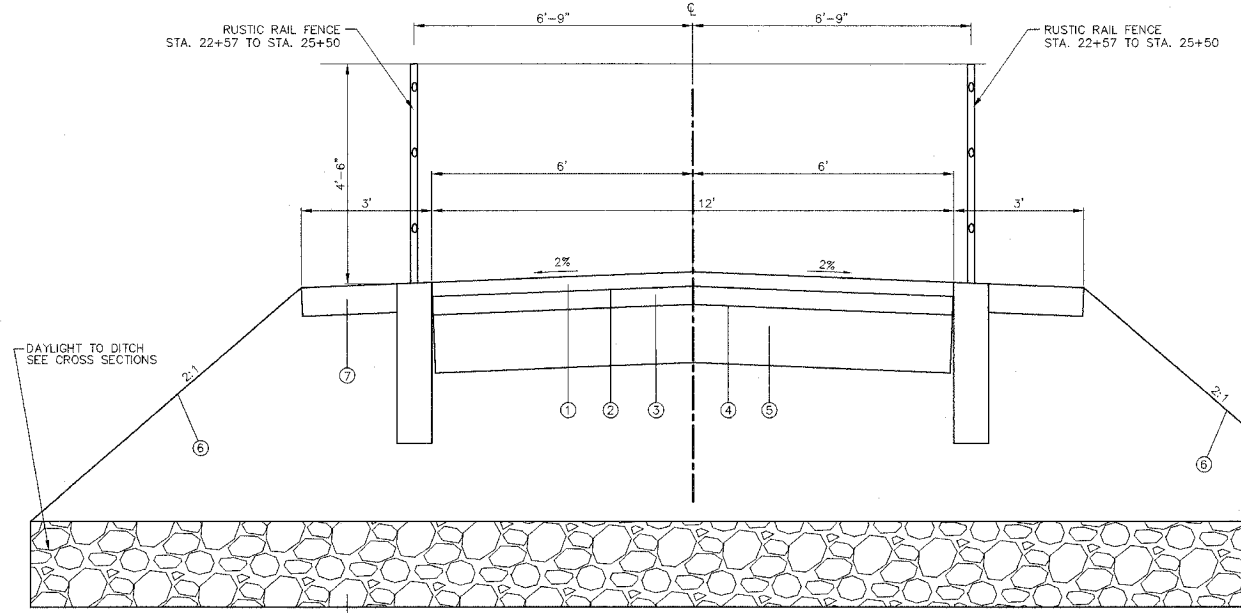
TYPICAL SECTION BIKE PATH
(STA. 25+50 - 26+19.25)



TYPICAL SECTION BIKE PATH
(STA. 2+22.06 - 9+50)



TYPICAL SECTION PEDESTRIAN PATH
STA. 123+00 TO STA. 129+68



TYPICAL SECTION BIKE PATH
(STA. 22+57 - 25+50)

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTR. TYPE CODE	CONSTR. TYPE CODE
20100500	TREE REMOVAL, ACRES	ACRE	2.8	SFTY-2A	Y077
20200100	EARTH EXCAVATION	CU YD	3227		
20400800	FURNISHED EXCAVATION	CU YD	5088		
20702220	POROUS GRANULAR EMBANKMENT	CU YD	1300		
20800150	TRENCH BACKFILL	CU YD	13		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1750		
21010625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	14405		
* 25002100	SEEDING, CLASS 1	ACRE	2.7		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270		
* 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	270		
* 25000800	POTASSIUM FERTILIZER NUTRIENT	POUND	270		
25100630	EROSION CONTROL BLANKET	SQ YD	14405		
28000300	TEMPORARY DITCH CHECKS	EACH	2		
28000400	PERIMETER EROSION BARRIER	FOOT	3800		
28000500	INLET AND PIPE PROTECTION	EACH	9		
XXCC4011	STONE DUMPED RIPRAP, CLASS C4	SQ YD	6		
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1750		
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1859		
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	1805		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	186		
40600300	AGGREGATE (PRIME COAT)	TON	4		
42001300	PROTECTIVE COAT	SQ YD	1440		
44000300	CURB REMOVAL	FOOT	95		
44002000	CURB REMOVAL (PARTIAL)	FOOT	20		
48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	608		
50200100	STRUCTURE EXCAVATION	CU YD	892		
50300120	PREFORMED JOINT SEAL 2 1/2"	FOOT	15		
50300150	NEOPRENE EXPANSION JOINT, 2"	FOOT	13		
50300155	NEOPRENE EXPANSION JOINT, 2-1/2"	FOOT	39		
50300160	NEOPRENE EXPANSION JOINT, 4"	FOOT	13		
50300225	CONCRETE STRUCTURES	CU YD	307		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	259		
50300310	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	12		
50300320	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	4		
50300330	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	4		
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	284100		
50500505	STUD SHEAR CONNECTORS	EACH	3632		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	174090		
51000105	PIPE HANDRAIL	FOOT	168		
54213857	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	EACH	2		
54213866	PRECAST REINFORCED CONCRETE FLARED END SECTION 24"	EACH	1		
54213867	STEEL END SECTIONS 12"	EACH	4		
54213870	STEEL END SECTIONS 15"	EACH	1		
54213882	STEEL END SECTIONS 27"	EACH	4		
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1		

SUMMARY OF QUANTITIES (CONT'D)

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTR. TYPE CODE	CONSTR. TYPE CODE
54200217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	40		
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	30		
54200232	PIPE CULVERTS, CLASS D, TYPE 1 27"	FOOT	44		
55040050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	10		
55040120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	24		
55100700	STORM SEWER REMOVAL 15"	FOOT	2		
55101200	STORM SEWER REMOVAL 24"	FOOT	18		
55103000	DUCTILE IRON WATER MAIN 8"	FOOT	8		
56400100	FIRE HYDRANTS TO BE MOVED	EACH	1		
58700200	BRIDGE SEAT SEALER	SQ FT	194		
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME CLOSED LID	EACH	1		
60218000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE B GRATE	EACH	2		
60286600	VALVE BOXES TO BE ADJUSTED	EACH	2		
60800605	CONCRETE CURB, TYPE B	FOOT	95		
66400305	CHAIN LINK FENCE, 6"	FOOT	5705		
66407600	CHAIN LINK GATES, 6' X 12' DOUBLE	EACH	2		
66410300	CHAIN LINK FENCE REMOVAL	FOOT	46		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6		
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	12		
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	2		
* 81000400	CONDUIT IN TRENCH, 1 1/4" DIA., GALVANIZED STEEL	FOOT	325		
* 81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	1025		
* 81300200	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	24		
* 81300400	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 10" X 8" X 4"	EACH	8		
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	325		
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 10	FOOT	300		
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 6	FOOT	4500		
* 81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 4	FOOT	975		
X0320139	TEMPORARY CONSTRUCTION FENCE	FOOT	1331		
X0320172	BRIDGE FENCE RAILING	FOOT	1824		
X0322608	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	1740		
X0322871	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	235		
XXCC2104	MAINTENANCE OF EROSION CONTROL SYSTEM	L SUM	1		
* X0323868	DRAINAGE RESTRICTOR	EACH	1		
X0330200	SANITARY MANHOLES TO BE ADJUSTED	EACH	1		
X4086414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	405		
X4086614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	268		
* X8250005	CONTROLLER, STREET LIGHTING	EACH	2		
X0000372	TEMPORARY AGGREGATE	TON	25		
X0003817	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	2		
X0004056	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	9900		
X0004927	BITUMINOUS PATH REMOVAL	SQ FT	8650		
Z0003900	BICYCLE RAILING	FOOT	700		
Z0008230	DRILLED SHAFT IN SOIL 30"	FOOT	218		
Z0008236	DRILLED SHAFT IN SOIL 36"	FOOT	36		
Z0013788	CONSTRUCTION LAYOUT	L SUM	1		
Z0048655	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		
Z0055800	RUSTIC RAIL FENCE	FOOT	590		
* X0000111	SUPPLY AND INSTALL COLD CATHODE LIGHTING SYSTEM	L SUM	1		
* X0000144	SEEDING, MESIC PRAIRIE	ACRE	0.15		0.15
* X0000147	SEEDING, WET PRAIRIE	ACRE	0.40		0.40
* X0000149	PHOTO CELL	EACH	2		

BITUMINOUS MIXTURE REQUIREMENTS

MIXTURE USES	BIT. CONC. BINDER SUPERPAVE	BIT. CONCRETE SURFACE CSE. SUPERPAVE
AC / PG:	PG 58-22	PG 64-22
RAP % MAX	25	15
DESIGN AIR VOIDS	50	50

Y077 - WETLAND MITIGATION AND ENHANCEMENT

* DENOTES SPECIALTY ITEM

NOTE:
RAILROAD FLAGGER TO BE PAID FOR AS EXTRA WORK UNDER ARTICLE 109.04

- ① BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C N50 - 2"
- ② BITUMINOUS MATERIAL (PRIME COAT)
- ③ BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0 MM, N50 - 2 1/2"
- ④ BITUMINOUS MATERIAL (PRIME COAT) (MC-30)
- ⑤ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ TOPSOIL FURNISH AND PLACE 6", SEEDING, CLASS 1
- ⑦ AGGREGATE SHOULDER TYPE B 4"
- ⑧ AGGREGATE BASE COURSE TYPE B 6"
- ⑨ POROUS GRANULAR EMBANKMENT, 2"
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

EARTHWORK SCHEDULE

LOCATION	EARTHWORK EXCAVATION CUBIC YARD	EXCAVATION TO BE USED IN EMBANKMENT ADJUST FOR SHRINKAGE CUBIC YARD	FURNISH & EXCAVATION CUBIC YARD	EARTHWORK BALANCE (+) SHRINKAGE (-) CUBIC YARD	TOPSOIL FURNISH AND PLACE SQUARE YARD
BIKE PATH					
STA. 2+22.06 TO STA. 9+50	227.6	193.5	6.0	187.5	79.6
STA. 22+00 TO STA. 26+19.25	1171.3	995.6	4399.4	-3593.8	3604.8
PEDESTRIAN PATH					
STA. 123+00 TO STA. 129+50	1828.1	1553.9	92.9	1461.0	2553.1
TOTAL	3227.0	2743.0	5088.4	-2345.4	6237.5

SHRINKAGE FACTOR: EARTH EXCAVATION: 15%

PREPARED FOR:
WHEATON PARK DISTRICT
666 S. MAIN STREET
WHEATON, ILLINOIS 60187



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REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

TYPICAL SECTIONS & SUMMARY OF QUANTITIES
PEDESTRIAN/BICYCLE PATH BRIDGE OVER UNION PACIFIC RAILROAD

FILE NAME: DETAILS	DSGN. BY: MMH	JOB NO.: 551.007	FLD. BK./PG.: -----	SHEET NO. 3 of 54
DISC. NUMBER: 551007	DRN. BY: RDS	DATE: 04-26-04	SCALE: 1" = -----	

DWG: PAVDETS
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