

SUMMARY OF QUANTITIES		UNITS	TOTAL QUANTITY	CONSTRUCTION TYPE CODE PEDESTRIAN 0028
CODE NUMBER	DESCRIPTION			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	359	359
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	364	364
20101000	TEMPORARY FENCE	FOOT	200	200
20101200	TREE ROOT PRUNING	EACH	10	10
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10
20101700	SUPPLEMENTAL WATERING	UNIT	30	30
20200100	EARTH EXCAVATION	CU YD	803	803
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,512	1,512
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	400	400
25000312	SEEDING, CLASS 4A	ACRE	0.85	0.85
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	91	91
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	91	91
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	91	91
25100830	EROSION CONTROL BLANKET	SQ YD	4,114	4,114
25200110	SODDING, SALT TOLERANT	SQ YD	1,137	1,137
28000305	TEMPORARY DITCH CHECKS	FOOT	50	50
28000400	PERIMETER EROSION BARRIER	FOOT	750	750
28000500	INLET AND PIPE PROTECTION	EACH	4	4
28000510	INLET FILTERS	EACH	28	28
35101800	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3,330	3,330
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	380	380
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	336	336
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	10	10
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	168	168
42001300	PROTECTIVE COAT	SQ YD	3,345	3,345
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	29,276	29,276
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,300	1,300
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,480	1,480
42400800	DETECTABLE WARNINGS	SQ FT	120	120
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	702	702
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	85	85
44000600	SIDEWALK REMOVAL	SQ FT	5,360	5,360
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	20	20
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	893	893
44213200	SAW CUTS	FOOT	2,551	2,551
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,900	1,900
50104400	CONCRETE HEADWALL REMOVAL	EACH	3	3
54213683	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	EACH	3	3
54247110	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	3	3
550A0090	STORM SEWERS, CLASS A, TYPE 1 8"	FOOT	15	15
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	45	45
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	707	707
55100400	STORM SEWER REMOVAL 10"	FOOT	27	27
55100500	STORM SEWER REMOVAL 12"	FOOT	296	296
55100700	STORM SEWER REMOVAL 15"	FOOT	56	56
55100800	STORM SEWER REMOVAL 18"	FOOT	55	55
55101200	STORM SEWER REMOVAL 24"	FOOT	70	70
56100800	ADJUSTING WATER MAIN, 12"	FOOT	18	18
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1
56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	2	2
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	1
60200105	CATCH BASINS, TYPE A, 4" DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	6	6
60200205	CATCH BASINS, TYPE A, 4" DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60200805	CATCH BASINS, TYPE A, 4" DIAMETER, TYPE B GRATE	EACH	2	2
60207605	CATCH BASINS, TYPE C, TYPE B GRATE	EACH	1	1
60221100	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8
60236200	INLETS, TYPE A, TYPE B GRATE	EACH	9	9
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1

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60258800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1
60500040	REMOVING MANHOLES	EACH	1	1
60500060	REMOVING INLETS	EACH	1	1
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	20	20
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	35	35
66800200	NON SPECIAL WASTE DISPOSAL	CU YD	685	685
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
72000100	SIGN PANEL TYPE 1	SQ FT	71	71
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	180	180
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	196	196
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	321	321
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	36	36
78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	115	115
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	36	36
78300100	PAVEMENT MARKING REMOVAL	SQ FT	86	86
81400100	HANDHOLE	EACH	2	2
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	20	20
84200804	REMOVAL OF POLE FOUNDATION	EACH	2	2
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	13	13
Z0022800	FENCE REMOVAL	FOOT	300	300
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	317	317
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS), 12 INCH	FOOT	232	232
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS), 15 INCH	FOOT	256	256
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS), 18 INCH	FOOT	419	419
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS), 24 INCH	FOOT	858	858
A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5
A2005024	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5
A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5
A2006726	TREE, QUERCUS MACROCARPA (BUR OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5
A2007924	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5
B0002740	TREE, BALMAN COMMON HORSECHESTNUT, 4" CALIPER, BALLED AND BURLAPPED	EACH	5	5
B2006322	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5
C2001536	SHRUB, CORNIUS RACEMOSA (GREY DOGWOOD), 3" HEIGHT, CONTAINER	EACH	4	4
C2004365	SHRUB, LINDERA BENZOIN (SPICEBUSH), CONTAINER GROWN, 5-GALLON	EACH	4	4
D2003796	EVERGREEN, THUJA OCCIDENTALIS DARK GREEN (DARK GREEN ARBORVITAE), 8' HEIGHT, CONTAINER	EACH	16	16
K0026820	TRANSPLANTED SALVAGED SHRUBS	EACH	30	30
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	3
X0324915	RELOCATE LIGHTING UNITS AND POLES	EACH	4	4
X0325207	TELEVISION INSPECTION OF SEWER	FOOT	691	691
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	1,428	1,428
X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	584	584
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100
X6028050	SANITARY MANHOLES TO BE ADJUSTED	EACH	4	4
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4
XX008044	WOOD FENCE TO BE REMOVED AND REPLACED	FOOT	300	300
XX007759	ADJUST SANITARY SEWER CLEANOUT	EACH	1	1

\* INDICATES SPECIALTY ITEM

### HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS ABBREVIATIONS AND SYMBOLS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMP FOR SIDEWALK
442201-03	CLASS CAD PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET TYPE A
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604036-02	GRATE TYPE B
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') TO 6.0m (24') FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAIL
720006-02	SIGN PANEL ERECTION DETAIL
729001-01	APPLICATION OF TYPE A & B POSTS

### IDOT STANDARDS

BD01	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)
BD22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BE300	LIGHT POLE FOUNDATION, 30'-35' MH
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

### TRAFFIC CONTROL NOTES

- THE CONTRACTOR SHALL MAINTAIN THE EXISTING ROAD WIDTH IN EACH DIRECTION FOR TWO-WAY TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED.  
STREETS SHALL ALL BE MAINTAINED AS DIRECTED BY THE ENGINEER.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED.
- TEMPORARY LANE CLOSURES ON WEST LAKE AVENUE WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM PRIOR TO END OF SCHOOL YEAR OR JUNE 7, 2012. ALL LANE CLOSURES SHALL BE APPROVED BY THE ENGINEER.
- TYPE I BARRICADES AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED WORK ZONE AND 25' WITHIN TAPERED SECTIONS OR AS DIRECTED BY THE ENGINEER.
- THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.



### EARTHWORK

STA BEGIN	STA END	UNDERCUT AND PILES REPA. (CU YD)	TOPSOIL EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	NON SPECIAL WASTE DISPOSAL (CU YD)	EARTH EXCAVATION (CU YD)	TRENCH EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
<b>WEST LAKE AVENUE</b>											
246+00	246+00	0.0	23.9	23.9	25.9	21.7	0.0	21.7	18.5	0.0	18.5
246+00	247+00	0.0	25.9	25.9	27.2	23.6	0.0	23.6	20.1	0.0	20.1
247+00	248+00	0.0	27.2	27.2	32.8	23.5	0.0	23.5	20.1	0.0	20.1
248+00	249+00	0.0	32.8	32.8	39.8	24.8	0.0	24.8	21.2	0.0	21.2
249+00	250+00	0.0	39.8	39.8	46.9	26.1	0.0	26.1	22.3	0.0	22.3
250+00	251+00	0.0	46.9	46.9	54.8	26.1	0.0	26.1	22.3	0.0	22.3
251+00	252+00	0.0	54.8	54.8	62.2	26.1	62.5	69.6	77.1	15.1	62.0
252+00	253+00	0.0	62.2	62.2	68.0	17.6	62.5	80.1	88.2	-8.0	-20.8
253+00	254+00	0.0	68.0	68.0	71.3	2.7	62.5	65.2	65.5	161.6	-106.0
254+00	255+00	0.0	71.3	71.3	72.0	0.2	62.5	62.7	53.3	205.6	-152.3
255+00	256+00	0.0	72.0	72.0	72.6	7.8	62.5	69.8	59.8	185.9	-126.1
256+00	257+00	10.0	72.6	82.6	82.6	21.1	62.5	83.6	71.1	69.8	1.3
257+00	257+50	15.8	36.4	36.4	52.2	6.6	62.5	69.1	58.8	17.2	41.6
258+00	259+00	15.8	36.7	36.7	52.5	13.3	62.5	75.8	64.5	5.8	58.7
259+00	260+00	15.8	73.3	73.3	55.2	62.5	117.7	100.1	11.7	85.4	
260+00	261+00	15.8	73.3	73.3	89.1	62.5	142.5	121.2	7.8	113.4	
261+00	262+00	15.8	73.1	89.9	89.1	52.9	75.0	127.9	108.8	11.1	97.7
262+00	263+00	15.8	73.3	89.1	89.1	27.3	75.0	102.3	87.0	32.3	54.7
263+00	264+00	15.8	73.7	89.5	89.5	26.4	75.0	101.4	86.2	50.7	35.5
264+00	265+00	15.8	73.5	89.3	89.3	31.3	75.0	106.3	90.4	42.0	48.4
265+25	266+00	15.8	55.3	71.1	71.1	12.5	75.0	87.5	74.4	41.3	33.1
266+00	267+00	15.8	68.7	84.5	84.5	15.4	75				