

LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SCHEDULE OF PAY ITEMS
2006 STANDARD SPECIFICATIONS
January 02, 2007
(Effective for the April 25, 2007 letting)

Note: A pay item number, as accepted by DOTD's BIDS program, shall contain a maximum of thirteen characters, including dashes.

Standard Pay Items Formats:

999-99
999-99-X
999-99-99
999-99-X/Y
999-99-X-Y
999-99-X-99
999-99-X-99-Y
999-99-X/Y-99

where 9 = any number, X or Y = any number or any letter, X/Y= X or Y, X-Y= X thru Y

Special Items Format: S – 999

** Indicated items are "Base Items". A suffix should be added to the base item number when the base item description is required to include additional information such as size, type, thickness, etc.*

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 201 - CLEARING AND GRUBBING

201-01	Clearing and Grubbing	Lump Sum	0 (0)
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SECTION 202 – REMOVAL OR RELOCATING STRUCTURES AND OBSTRUCTIONS

202-01	Removal of Structures and Obstructions	Lump Sum	0 (0)
*202-02	Removal of _____	Each	0 (0)
202-02-A	Removal of Bridges	Each	0 (0)
202-02-B	Removal of Concrete Box Culverts	Each	0 (0)
202-02-C	Removal of Portland Cement Concrete Pavement	Square Yard (sq m)	0 (0)
202-02-D	Removal of Concrete Walks and Drives	Square Yard (sq m)	0 (0)
202-02-E	Removal of Concrete Curbs	Linear Foot (lin m)	1 (1)
202-02-F	Removal of Concrete Combination Curb & Gutter	Linear Foot (lin m)	1 (1)
202-02-G	Removal of Surfacing and Stabilized Base	Square Yard (sq m)	1 (1)
202-02-H	Removal of Guard Rail	Linear Foot (lin m)	0 (0)
*202-03	Relocation of _____	Each	0 (0)
202-04	Excavation, Disposal and Backfilling of Non- Contaminated Overburden	Cubic Yard (cu m)	0 (0)
202-05	Excavation, Disposal and Backfilling of Contaminated Soil	Cubic Yard (cu m)	0 (0)
202-06	Removal and Disposal of Contaminated Fluid	Gallon (L)	0 (0)
202-07	Plugging Existing Water Wells	Each	0 (0)

Note: Item 202-01 shall be used on projects requiring removal of structures & obstructions. Separate Pay Items should be included for the removal of each bridge or concrete box culvert by adding a suffix to the base Item No. and a description to the base Pay Item name. Separate Pay Items shall be used for removal or relocation of sizable quantities of pavement, curb, etc. by adding a suffix to the base Item No., along with a brief description to the base Pay Item name. Structures to be removed or relocated under Section 202 shall be so noted on the plans.

Example:

202-02-01	Removal of Concrete Block Building [Lt. of Sta. 105+30; 40' x 40' (13.3m x 13.3m)]
202-02-A-01	Removal of Bridge [Sta. 100+00; 32.4' x 386' (10m x 128m) concrete slab span bridge]
202-02-B-15	Removal of Concrete Box Culvert [Sta. 20+22; 2-4' x 4' x 46' (2-1.3m x 1.3m x 15m)]
202-03-01	Relocation of Cattle Guard [Lt. of Sta. 129+50; 7'x 15' (2.3m x 5m)]

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 203 – EXCAVATION AND EMBANKMENT

203-01	General Excavation	Cubic Yard (cu m)	0 (0)
203-02	Drainage Excavation	Cubic Yard (cu m)	0 (0)
203-03	Embankment	Cubic Yard (cu m)	0 (0)
203-04	Nonplastic Embankment	Cubic Yard (cu m)	0 (0)
203-05	Excavation and Embankment	Lump Sum	0 (0)
203-06	Excavation and Embankment	Linear Foot (lin m)	0 (0)
*203-07	Borrow (Vehicular Measurement)	Cubic Yard (cu m)	0 (0)
203-07-A	Borrow (Vehicular Measurement)(Selected Soils)	Cubic Yard (cu m)	0 (0)
203-07-B	Borrow (Vehicular Measurement)(Plastic Soils)	Cubic Yard (cu m)	0 (0)
203-08	Geotextile Fabric	Square Yard (sq m)	0 (0)

SECTION 204 – TEMPORARY EROSION CONTROL

204-01	Temporary Sandbagging	Cubic Yard (cu m)	1 (1)
204-02	Temporary Hay or Straw Bales	Each	0 (0)
204-03	Temporary Slope Drains	Linear Foot (lin m)	0 (0)
204-04	Temporary Sediment Basins	Each	0 (0)
*204-05	Temporary Sediment Check Dams (Type)	Each	0 (0)
204-05-A	Temporary Sediment Check Dams (Hay)	Each	0 (0)
204-05-B	Temporary Sediment Check Dams (Stone)	Each	0 (0)
204-06	Temporary Silt Fencing	Linear Foot (lin m)	0 (0)
204-07	Temporary Stone Construction Entrance	Each	0 (0)

SECTION 301 – CLASS I BASE COURSE

301-01	Class I Base Course	Cubic Yard (cu m)	1 (1)
*301-02	Class I Base Course [____”(mm) Thick]	Square Yard (sq m)	1 (1)
301-02-A	Class I Base Course [4” (125mm) Thick]	Square Yard (sq m)	1 (1)
301-02-B	Class I Base Course [6” (150mm) Thick]	Square Yard (sq m)	1 (1)
301-02-C	Class I Base Course [8” (200mm) Thick]	Square Yard (sq m)	1 (1)
301-02-D	Class I Base Course [8 1/2” (220mm) Thick]	Square Yard (sq m)	1 (1)
301-02-E	Class I Base Course [10” (250mm) Thick]	Square Yard (sq m)	1 (1)
301-02-F	Class I Base Course [12” (300mm) Thick]	Square Yard (sq m)	1 (1)
301-03	Class I Base Course for Shoulders	Cubic Yard (cu m)	1 (1)
*301-04	Class I Base Course for Shoulders [____”(mm) Thick]	Square Yard (sq m)	1 (1)
301-04-A	Class I Base Course for Shoulders [4” (125mm) Thick]	Square Yard (sq m)	1 (1)
301-04-B	Class I Base Course for Shoulders [6” (150mm) Thick]	Square Yard (sq m)	1 (1)
301-04-C	Class I Base Course for Shoulders [8” (200mm) Thick]	Square Yard (sq m)	1 (1)
301-04-D	Class I Base Course for Shoulders [8 1/2” (220mm) Thick]	Square Yard (sq m)	1 (1)
301-04-E	Class I Base Course for Shoulders [10” (250mm) Thick]	Square Yard (sq m)	1 (1)
301-04-F	Class I Base Course for Shoulders [12” (300mm) Thick]	Square Yard (sq m)	1 (1)

SECTION 302 – CLASS II BASE COURSE

302-01	Class II Base Course	Cubic Yard (cu m)	1 (1)
*302-02	Class II Base Course [____”(mm) Thick]	Square Yard (sq m)	1 (1)
302-02-A	Class II Base Course [4” (125mm) Thick]	Square Yard (sq m)	1 (1)
302-02-B	Class II Base Course [6” (150mm) Thick]	Square Yard (sq m)	1 (1)
302-02-C	Class II Base Course [8” (200mm) Thick]	Square Yard (sq m)	1 (1)
302-02-D	Class II Base Course [8 1/2” (220mm) Thick]	Square Yard (sq m)	1 (1)
302-02-E	Class II Base Course [10” (250mm) Thick]	Square Yard (sq m)	1 (1)
302-02-F	Class II Base Course [12” (300mm) Thick]	Square Yard (sq m)	1 (1)

SECTION 303 – IN-PLACE CEMENT STABILIZED BASE COURSE

*303-01	In-Place Cement Stab. Base Course [____”(mm) Thick]	Square Yard (sq m)	0 (0)
303-01-A	In-Place Cement Stab. Base Course [6” (150mm) Thick]	Square Yard (sq m)	0 (0)
303-01-B	In-Place Cement Stab. Base Course [8 1/2” (220mm) Thick]	Square Yard (sq m)	0 (0)
303-01-C	In-Place Cement Stab. Base Course [10” (250mm) Thick]	Square Yard (sq m)	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
303-01-D	In-Place Cement Stab. Base Course [12" (300mm) Thick]	Square Yard (sq m)	0 (0)
303-02	Removal of Existing Patches	Square Yard (sq m)	0 (0)

SECTION 304 – LIME TREATMENT

304-01	Lime	Ton (Mg)	2 (2)
*304-02	Lime Treatment (Type B)[____" (mm) Thick]	Square Yard (sq m)	0 (0)
304-02-A	Lime Treatment (Type B)[6" (150mm) Thick]	Square Yard (sq m)	0 (0)
304-02-B	Lime Treatment (Type B)[8 1/2" (220mm) Thick]	Square Yard (sq m)	0 (0)
304-02-C	Lime Treatment (Type B)[10" (250mm) Thick]	Square Yard (sq m)	0 (0)
304-02-D	Lime Treatment (Type B)[12" (300mm) Thick]	Square Yard (sq m)	0 (0)
*304-03	Lime Treatment (Type C)[____" (mm) Thick]	Square Yard (sq m)	0 (0)
304-03-A	Lime Treatment (Type C)[6" (150mm) Thick]	Square Yard (sq m)	0 (0)
304-03-B	Lime Treatment (Type C)[8 1/2" (220mm) Thick]	Square Yard (sq m)	0 (0)
304-03-C	Lime Treatment (Type C)[10" (250mm) Thick]	Square Yard (sq m)	0 (0)
304-03-D	Lime Treatment (Type C)[12" (300mm) Thick]	Square Yard (sq m)	0 (0)
*304-04	Lime Treatment (Type D)[____" (mm) Thick]	Square Yard (sq m)	0 (0)
304-04-A	Lime Treatment (Type D)[6" (150mm) Thick]	Square Yard (sq m)	0 (0)
304-04-B	Lime Treatment (Type D)[8 1/2" (220mm) Thick]	Square Yard (sq m)	0 (0)
304-04-C	Lime Treatment (Type D)[10" (250mm) Thick]	Square Yard (sq m)	0 (0)
304-04-D	Lime Treatment (Type D)[12" (300mm) Thick]	Square Yard (sq m)	0 (0)
304-05	Lime Treatment (Type E)	Ton (Mg)	2 (2)

SECTION 305 – SUBGRADE LAYER

*305-01	Subgrade Layer [____" (mm) Thick]	Square Yard (sq m)	0 (0)
305-01-A	Subgrade Layer [6" (150mm) Thick]	Square Yard (sq m)	0 (0)
305-01-B	Subgrade Layer [8" (200mm) Thick]	Square Yard (sq m)	0 (0)
305-01-C	Subgrade Layer [10" (250mm) Thick]	Square Yard (sq m)	0 (0)
305-01-D	Subgrade Layer [12" (300mm) Thick]	Square Yard (sq m)	0 (0)

SECTION 306 – SCARIFYING AND COMPACTING ROADBED

*306-01	Scarifying and Compacting Roadbed [____" (mm) Thick]	Mile (km)	3 (3)
*306-02	Scarifying and Compacting Roadbed [____" (mm) Thick]	Square Yard (sq m)	0 (0)

SECTION 307 – PERMEABLE BASE

*307-01	Permeable Base [____" (mm) Thick]	Square Yard (sq m)	1 (1)
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SECTION 308 – IN-PLACE CEMENT TREATED BASE COURSE

*308-01	In-Place Cement Treated Base Course [____" (mm) Thick]	Square Yard (sq m)	0 (0)
308-01-A	In-Place Cement Treated Base Course [12" (300mm) Thick]	Square Yard (sq m)	0 (0)
308-02	Removal of Existing Patches	Square Yard (sq m)	0 (0)

SECTION 401 - AGGREGATE SURFACE COURSE

401-01	Aggregate Surface Course (Net Section)	Cubic Yard (cu m)	1 (1)
401-02	Aggregate Surface Course (Adjusted Vehicular Measurement)	Cubic Yard (cu m)	0 (0)

SECTION 402 – TRAFFIC MAINTENANCE AGGREGATE

402-01	Traffic Maintenance Aggregate (Vehicular Measurement)	Cubic Yard (cu m)	1 (1)
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ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 403 – AGGREGATE ROADWAY SURFACING

403-01	Aggregate Roadway Surfacing (Vehicular Measurement)	Cubic Yard (cu m)	1 (1)
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SECTION 502 – SUPERPAVE ASPHALTIC CONCRETE MIXTURES

*502-01	Superpave Asphaltic Concrete	Ton (Mg)	1 (1)
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Note: Used for wearing, binder, or base for all roadway and shoulder mix types. Also used for airports, leveling, bike paths, parking lots, parking lanes and turn lanes.

502-01-A	Superpave Asphaltic Concrete, Drives, Turnouts and Miscellaneous	Ton (Mg)	1 (1)
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Note: Used in areas requiring a slow production rate and/or handwork such as driveways, turnouts, crossovers, guardrail widening, islands, and mailbox stops.

502-02	Superpave Asphaltic Concrete	Cubic Yard (cu m)	0 (0)
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Note: Reserved for use in special cases.

502-03	Superpave Asphaltic Concrete [____]” (mm) Thick]	Square Yard (sq m)	0 (0)
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Note: Reserved for use in special cases.

SECTION 507 – ASPHALTIC SURFACE TREATMENT

*507-01	Asphaltic Material (<i>Type</i>)	Gallon (L)	0 (0)
507-01-A	Asphaltic Material (CRS-2P Emulsion)	Gallon (L)	0 (0)
507-01-B	Asphaltic Material (PAC-15 Hot Application)	Gallon (L)	0 (0)
*507-02	Aggregate (<i>Size</i>)	Square Yard (Sq m)	0 (0)
507-02-A	Aggregate (S1)	Square Yard (Sq m)	0 (0)
507-02-B	Aggregate (S2)	Square Yard (Sq m)	0 (0)
507-02-C	Aggregate (S3)	Square Yard (Sq m)	0 (0)

SECTION 508 – STONE MATRIX ASPHALT

508-01	Asphalt Concrete (SMA) Wearing Course	Ton (Mg)	1 (1)
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SECTION 509 – COLD PLANING ASPHALTIC PAVEMENT

509-01	Cold Planing Asphaltic Pavement	Square Yard (Sq m)	0 (0)
509-02	Contractor Retained Reclaimed Asphaltic Pavement	Cubic Yard (Cu m)	0 (0)

SECTION 510 – ASPHALT CONCRETE PAVEMENT PATCHING, WIDENING AND JOINT REPAIR

*510-01	Pavement Patching	Square Yard (sq m)	0 (0)
510-01-A	Pavement Patching [6” (150mm) Minimum Thickness]	Square Yard (sq m)	0 (0)
510-01-B	Pavement Patching [12” (300mm) Minimum Thickness]	Square Yard (sq m)	0 (0)
510-02	Pavement Widening	Square Yard (sq m)	1 (1)
510-03	Pavement Joint Repair	Ton (Mg)	1 (1)

SECTION 601 - PORTLAND CEMENT CONCRETE PAVEMENT

*601-01	Portland Cement Concrete Pavement [____]” (mm) Thick]	Square Yard (sq m)	1 (1)
*601-02	Portland Cement Concrete Pavement [____]” (mm) Thick](Crossovers & Turnouts)	Square Yard (sq m)	1 (1)
*601-03	Portland Cement Concrete Shoulder [____]” (mm) Thick]	Square Yard (sq m)	1 (1)
601-04	Portland Cement Concrete Pavement Coring	Each	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
Letter designations for pavement thickness shall be:			
A .. 5" (125mm)	F .. 7 1/2" (187.5mm)	K .. 10" (250mm)	P .. 12 1/2" (312.5mm)
B .. 5 1/2" (137.5mm)	G .. 8" (200mm)	L .. 10 1/2" (262.5mm)	Q .. 13" (325mm)
C .. 6" (150mm)	H .. 8 1/2" (212.5mm)	M .. 11" (275mm)	R .. 13 1/2" (337.5mm)
D .. 6 1/2" (162.5mm)	I .. 9" (225mm)	N .. 11 1/2" (287.5mm)	S .. 14" (350mm)
E .. 7" (175mm)	J .. 9 1/2" (237.5mm)	O .. 12" (300mm)	T .. 14 1/2" (362.5mm)

Example:

For varying thickness of shoulders 10" to 13" (250mm to 325mm)
601-03-K-Q Portland Cement Concrete Shoulder [10" – 13" (250mm – 325mm) Thick]

SECTION 602 – PORTLAND CEMENT CONCRETE PAVEMENT REHABILITATION

602-01	Cleaning and Filling Existing Longitudinal Pavement Joints	Linear Foot (lin m)	0 (0)
602-02	Cleaning and Resealing Existing Longitudinal and Transverse Pavement Joints	Linear Foot (lin m)	0 (0)

Note:

A ... Longitudinal
B ... Transverse

Example:

602-02-A Cleaning and Resealing Existing Longitudinal Pavement Joints
602-02-B Cleaning and Resealing Existing Transverse Pavement Joints

602-03	Cleaning and Sealing Random Cracks	Linear Foot (lin m)	0 (0)
*602-04	Full Depth Corner Patching of Jointed Concrete Pavement	Square Yard (sq m)	1 (1)
*602-05	Full Depth Patching of Jointed Concrete Pavement	Square Yard (sq m)	1 (1)

Note: Use the letter designations for thicknesses given under Section 601. Use the following designations for patch size.

01 ... 16.0 square yards (15.0 sq. meters) and under
02 ... 16.1 square yards to 48.0 square yards (15.1 sq. meters to 40.0 sq. meters)
03 ... 48.1 square yards (40.1 sq. meters) and over

Example:

For a pavement 8" (200mm) thick with a 42.0 square yard (35 sq m) full depth patch
602-05-G-02 Full Depth Patching of Jointed Concrete Pavement
[8" (200mm) Thick][16.1 sq y to 48.0 sq y (15.1 sq m to 40.0 sq m)]

602-06	Partial Depth Patching of Jointed Concrete Pavement	Square Yard (sq m)	1 (1)
602-07	Patching Continuously Reinforced Concrete Pavement	Square Yard (sq m)	1 (1)
602-08	Grinding Concrete Pavement	Square Yard (sq m)	1 (1)
602-09	Grinding Isolated Joints	Square Yard (sq m)	1 (1)
602-10	Longitudinal Shoulder Joints	Linear Foot (lin m)	0 (0)
602-11	Removal of Existing Shoulder Underdrain Systems	Linear Foot (lin m)	0 (0)
602-12	Undersealing Pavement	Ton (Mg)	1 (1)
602-13	Slabjacking Pavement	Ton (Mg)	1 (1)
602-14	Holes	Each	0 (0)
602-15	Dowel Bar Retrofit	Each	0 (0)

SECTION 701 – CULVERTS AND STORM DRAINS

*701-01	Cross Drain Pipe (Size & Type)	Linear Foot (lin m)	0 (1)
*701-02	Cross Drain Pipe Arch (Size & Type)	Linear Foot (lin m)	0 (1)
*701-03	Storm Drain Pipe (Size & Type)	Linear Foot (lin m)	0 (1)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
*701-04	Storm Drain Pipe Arch (Size & Type)	Linear Foot (lin m)	0 (1)
*701-05	Side Drain Pipe (Size)	Linear Foot (lin m)	0 (1)
*701-06	Side Drain Pipe Arch (Size)	Linear Foot (lin m)	0 (1)
*701-07	Yard Drain Pipe (Size)	Linear Foot (lin m)	0 (1)
701-08	Relaying Pipe	Linear Foot (lin m)	0 (1)
701-09	Fabricating Pipe Fittings	Each	0 (0)
*701-10	Reinforced Concrete Pipe (Extension)(Size)	Linear Foot (lin m)	0 (1)
*701-11	Reinforced Concrete Pipe Arch (Extension)(Size)	Linear Foot (lin m)	0 (1)
*701-12	Corrugated Metal Pipe (Extension)(Size)	Linear Foot (lin m)	0 (1)
*701-13	Corrugated Metal Pipe Arch (Extension)(Size)	Linear Foot (lin m)	0 (1)
701-14	Cleaning Existing Pipes	Linear Foot (lin m)	0 (1)
701-15	Concrete Collar	Each	0 (0)
*701-16	Plastic Pipe (Extension)(Size & Type)	Linear Foot (lin m)	0 (1)

ITEM NO. PAY ITEM PAY UNIT DECIMALS

Letter designations shall be used for the various pipe sizes as follows:

CIRCULAR PIPE INCHES	
4 ... A	60 ... Q
6 ... B	66 ... R
8 ... C	72 ... S
10 ... D	78 ... T
12 ... E	84 ... U
15 ... F	90 ... V
18 ... G	96 ... W
21 ... H	102 ... X
24 ... I	108 ... Y
27 ... J	114 ... Z
30 ... K	120 ... 1
33 ... L	126 ... 2
36 ... M	132 ... 3
42 ... N	138 ... 4
48 ... O	144 ... 5
54 ... P	-
-	-
-	-
-	-
-	-

PIPE ARCH (INCHES)				
Metal (CMPA)		Concrete (RCPA)	Equivalent Diameter	Letter Designation
1/2" Corr.	1" Corr.			
17x13	-	18x11	15	A
21x15	-	22x13	18	B
24x18	-	26x15	21	C
28x20	-	28x18	24	D
35x24	-	36x22	30	E
42x29	40x31	43x26	36	F
49x33	46x36	51x31	42	G
57x38	53x41	58x36	48	H
64x43	60x46	65x40	54	I
71x47	66x51	73x45	60	J
77x52	73x55	-	66	K
83x57	81x59	88x54	72	L
-	87x63	-	78	M
-	95x67	102x62	84	N
-	103x71	115x72	90	O
-	112x75	122x77	96	P
-	117x79	-	102	Q
-	128x83	138x87	108	R
-	137x87	-	114	S
-	142x91	154x96	120	T

CIRCULAR PIPE (mm)	
100 ... A	1500 ... Q
150 ... B	1650 ... R
200 ... C	1800 ... S
250 ... D	1950 ... T
300 ... E	2100 ... U
375 ... F	2250 ... V
450 ... G	2400 ... W
525 ... H	2500 ... X
600 ... I	2700 ... Y
675 ... J	2850 ... Z
750 ... K	3000 ... 1
825 ... L	3150 ... 2
900 ... M	3300 ... 3
1050 ... N	3450 ... 4
1200 ... O	3600 ... 5
1350 ... P	-
-	-
-	-
-	-
-	-

PIPE ARCH (mm)				
Metal (CMPA)		Concrete (RCPA)	Equivalent Diameter	Letter Designation
13mm Corr.	25mm Corr.			
430x330	-	460x280	375	A
530x380	-	560x345	450	B
610x460	-	660x395	525	C
710x510	-	725x460	600	D
885x610	-	920x570	750	E
1060x740	1010x790	1110x675	900	F
1240x840	1160x920	1300x795	1050	G
1440x970	1340x1050	1485x915	1200	H
1620x1100	1520x1170	1650x1015	1350	I
1800x1200	1670x1300	1855x1145	1500	J
1950x1320	1850x1400	-	1650	K
2100x1450	2050x1500	2235x1370	1800	L
-	2200x1620	-	1950	M
-	2400x1720	2590x1575	2100	N
-	2600x1820	2920x1830	2250	O
-	2840x1920	3100x1960	2400	P
-	2970x2020	-	2550	Q
-	3240x2120	3205x2215	2700	R
-	3470x2220	3910x2460	2850	S
-	3600x2320	4285x2705	3000	T

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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Example:

701-01-I/K	Cross Drain Pipe [24" (600mm) RCP/PCP or 30" (750mm) CMP]		
701-02-G/H	Cross Drain Pipe Arch [42" (1050mm) Equiv. RCPA or 48" (1200mm) Equiv. CMPA]		
701-03-F	Storm Drain Pipe [15" (375mm) RCP/PCP]		
701-03-G/I-01	Storm Drain Pipe [18" (450mm) PCP or 24" (600mm) CMP (Outfall)]		
701-04-A-01	Storm Drain Pipe Arch [15" (375mm) Equiv. CMPA](Outfall)		
701-05-G	Side Drain Pipe [18" (450mm)]		
701-05-G-01	Side Drain Pipe [18" (450mm)](Erosion or Bridge Drain)		
701-06-A	Side Drain Pipe Arch [15" (375mm)(Equiv.)]		
701-11-F	Reinforced Concrete Pipe Arch [(Extension) 36" (900mm) Equiv.])]		
701-13-H	Corrugated Metal Pipe Arch [(Extension) 48" (1200mm) Equiv.])]		

SECTION 702 – MANHOLES, JUNCTION BOXES, CATCH BASINS, AND END TREATMENTS

702-01	Junction Boxes	Each	0 (0)
*702-02	Manholes (Type)	Each	0 (0)
*702-03	Catch Basins (Type)	Each	0 (0)

Letter Designation	Manhole Type	Catch Basin Type
A	MH-06	CB-01
B	R-CB-11	CB-02
C	R-CB-11 MOD	CB-06
D		CB-07
E	R-CB-32	---
F	MH-01	CB-08
G	---	CB-09
H	---	CB-05

Example:

702-02-C	Manholes (R-CB-11 Mod)
702-03-F	Catch Basins (CB-08)

*702-04	Adjusting _____	Each	0 (0)
702-04-A	Adjusting Manholes	Each	0 (0)
702-04-B	Adjusting Catch Basins	Each	0 (0)
702-04-C	Adjusting Junction Boxes	Each	0 (0)
*702-05	Cross Drain End Treatment (Type **)	Each	0 (0)
*702-06	Side Drain End Treatment (Type **)	Each	0 (0)

** - (No. of Barrels, Size, & Pipe Type)

Examples:

702-05-A	Cross Drain End Treatment (2 Barrels, 54" RCP or 60" CMP)
702-06-A	Side Drain End Treatment (5 Barrels, 18" RCP or 24" CMP)

*702-07	Cross Drain Safety End (Type)	Each	0 (0)
*702-08	Side Drain Safety End (Type)	Each	0 (0)

Letter designations for Cross/Side Drain Safety End Types shall be used as follows:

A...Type 1	C ... Type 3
B ...Type 2	D ...Type 4

Example:

702-07-A	Cross Drain Safety End (Type 1)
702-08-C	Side Drain Safety End (Type 3)

SECTION 703 – UNDERDRAIN SYSTEMS

703-01	Shoulder Underdrain Systems	Linear Foot (lin m)	0 (0)
703-02	Shoulder Outlet Underdrains	Each	0 (0)
703-03	Perforated Pipe Underdrains	Linear Foot (lin m)	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
703-04	Nonperforated Pipe Underdrains	Linear Foot (lin m)	0 (0)
703-05	Geocomposite Wall Drains	Square Yard (sq m)	1 (1)
703-06	Underdrain Video Inspection	Linear Foot (lin m)	0 (0)

SECTION 704 – GUARD RAIL

*704-01	Guard Rail	Linear Foot (lin m)	1 (2)
704-01-A	Guard Rail (Single Thrie Beam) [3'-1 1/2" (950mm) post spacing]	Linear Foot (lin m)	1 (2)
704-01-B	Guard Rail (Single Thrie Beam) [6'-3" (1905mm) post spacing]	Linear Foot (lin m)	1 (2)
704-01-C	Guard Rail (Double Thrie Beam) [3'-1 1/2" (950mm) post spacing]	Linear Foot (lin m)	1 (2)
704-01-D	Guard Rail (Double Thrie Beam) [6'-3" (1905mm) post spacing]	Linear Foot (lin m)	1 (2)
704-02	Guard Rail (Double Faced)	Linear Foot (lin m)	1 (2)
704-03	Blocked Out Guard Rail	Linear Foot (lin m)	1 (2)
704-04	Blocked Out Guard Rail (Double Faced)	Linear Foot (lin m)	1 (2)
704-05	Guard Rail Anchor Sections (BCT)	Linear Foot (lin m)	1 (2)
704-06	Guard Rail Anchor Sections (Trailing End)	Linear Foot (lin m)	1 (2)
704-06-A	Guard Rail Anchor Sections (Trailing End) (Single Thrie Beam)	Linear Foot (lin m)	1 (2)
704-07	Guard Rail Bridge Attachments	Linear Foot (lin m)	1 (2)
704-07-A	Guard Rail Bridge Attachments (Single Thrie Beam)	Linear Foot (lin m)	1 (2)
704-08	Guard Rail Transitions	Linear Foot (lin m)	1 (2)
704-08-A	Guard Rail Transitions (Single Thrie Beam)	Linear Foot (lin m)	1 (2)
704-08-B	Guard Rail Transitions (Double Thrie Beam)	Linear Foot (lin m)	1 (2)
704-09	Guard Rail Anchor Sections (Turndown)	Linear Foot (lin m)	1 (2)
704-10	Guard Rail Anchor Block	Each	0 (0)
*704-11	Guard Rail End Treatment (Type)	Each	0 (0)
704-11-A	Guard Rail End Treatment (Flared)	Each	0 (0)
704-11-B	Guard Rail End Treatment (Tangent)	Each	0 (0)
704-11-C	Guard Rail End Treatment (Bi-Directional)	Each	0 (0)

SECTION 705 – FENCES

705-01	Barbed Wire Fence	Linear Foot (lin m)	0 (0)
705-02	Combination Mesh & Barbed Wire Fence	Linear Foot (lin m)	0 (0)
705-03	Single Swinging Walk Gates	Each	0 (0)
705-04	Single Swinging Driveway Gates	Each	0 (0)
705-05	Double Swinging Driveway Gates	Double Gate	0 (0)
*705-06	Chain Link Fence [____-Foot (mm) Height]	Linear Foot (lin m)	0 (0)
*705-07	____-Foot (m) Single Gates for Chain Link Fence [____-Foot (mm) Height]	Each	0 (0)
*705-08	____-Foot (m) Double Gates for Chain Link Fence [____-Foot (mm) Height]	Double Gate	0 (0)
705-09	Rebuilt Fence	Linear Foot (lin m)	0 (0)

Letter Designations for chain link fence and single and double gate heights shall be used as follows:

A ... 4' (1200mm)	C ... 6' (1800mm)
B ... 5' (1500mm)	D ... 7' (2100mm)

Example:

Item 705-07-B 3-Foot Gates for Chain Link Fence [5-Foot (1500mm) Height]

SECTION 706 – CONCRETE WALKS, DRIVES AND INCIDENTAL PAVING

*706-01	Concrete Walk [____" (mm) Thick]	Square Yard (sq m)	1 (1)
*706-02	Concrete Drive [____" (mm) Thick]	Square Yard (sq m)	1 (1)
*706-03	Incidental Concrete Paving [____" (mm) Thick]	Square Yard (sq m)	1 (1)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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Letter Designations for various thicknesses shall be used as follows:

- A ... 4" (100mm)
- B ... 5" (125mm)
- C ... 6" (150mm)

Example:

Item 706-02-C, Concrete Drive [6" (150mm) Thick]

SECTION 707 – CURBS AND GUTTERS

707-01	Concrete Curb	Linear Foot (lin m)	1 (1)
707-02	Concrete Gutter	Linear Foot (lin m)	1 (1)
707-03	Combination Concrete Curb and Gutter	Linear Foot (lin m)	1 (1)
707-04	Asphaltic Curb	Linear Foot (lin m)	1 (1)

SECTION 708 – RIGHT-OF-WAY MONUMENTS

708-01	Right-of-Way Monument	Each	0 (0)
708-02	Right-of-Way Monument Witness Post	Each	0 (0)

SECTION 709 – STEEL CATTLE GUARDS

709-01	Steel Cattle Guard	Each	0 (0)
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SECTION 710 – FLOWABLE FILL

710-01	Flowable Fill	Cubic Yard (cu m)	0 (0)
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SECTION 711 – RIPRAP

*711-01	Riprap (Class and Thickness)	Square Yard (sq m)	0 (0)
*711-02	Riprap (Class)	Cubic Yard (cu m)	0 (0)
*711-03	Riprap (Class)	Ton (Mg)	1 (1)
711-04	Geotextile Fabric	Square Yard (sq m)	0 (0)

Letter Designations shall be used for the various riprap classes as follows:

Letter Designation	Riprap Class
A	2 lb (1 kg)
B	10lb (5 kg)
C	30 lb (15 kg)
D	55 lb (25 kg)
E	130 lb (60 kg)
F	250 lb (115 kg)
G	440 lb (200 kg)
H	1000 lb (455 kg)

Example:

711-01-B, Riprap [10 lb, 12" (5 kg, 300mm) Thick]

711-02-C, Riprap [(30 lb) (15kg)]

SECTION 712 – REVETMENTS

*712-01	Concrete Cast-in-Place Revetment [____" (mm) Thick]	Square Yard (sq m)	0 (0)
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Letter Designations for various thicknesses shall be used as follows:

- A ... 4" (100mm)
- B ... 5" (125mm)
- C ... 6" (150mm)

Example:

Item 712-01-A, Concrete Cast-in-Place Revetment {4" (100mm) Thick}

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
712-02	Sacked Concrete Revetment	Square Yard (sq m)	0 (0)
712-03	Stone Revetment	Square Yard (sq m)	0 (0)
712-04	Flexible Revetment	Square Yard (sq m)	0 (0)

SECTION 713 – TEMPORARY SIGNS, BARRICADES, BARRIERS AND PAVEMENT MARKINGS

713-01	Temporary Signs and Barricades	Lump Sum	0 (0)
*713-02	Temporary Pavement Markings [___" (mm) Width]	Linear Foot (lin m)	0 (0)
713-02-A	Temporary Pavement Markings [4" (100mm) Width]	Linear Foot (lin m)	0 (0)
713-02-B	Temporary Pavement Markings [6" (150mm) Width]	Linear Foot (lin m)	0 (0)
713-02-C	Temporary Pavement Markings [8" (200mm) Width]	Linear Foot (lin m)	0 (0)
713-02-D	Temporary Pavement Markings [12" (300mm) Width]	Linear Foot (lin m)	0 (0)
713-02-E	Temporary Pavement Markings [24" (600mm) Width]	Linear Foot (lin m)	0 (0)
*713-03	Temporary Pavement Markings (Broken Line) [___" (mm) Width ___' (m) Length]	Mile (km)	3 (3)
713-03-A	Temporary Pavement Markings (Broken Line) [4" (100mm) Width][4' (1.2m) Length]	Mile (km)	3 (3)
713-03-A-01	Temporary Pavement Markings (Broken Line) [4" (100mm) Width][4' (1.2m) Length] (Type 1 Removable)	Mile (km)	3 (3)
713-03-B	Temporary Pavement Markings (Broken Line) [4" (100mm) Width] [10' (3.0m) Length]	Mile (km)	3 (3)
713-03-B-01	Temporary Pavement Markings (Broken Line) [4" (100mm) Width] [10' (3.0m) Length] (Type I Removable)	Mile (km)	3 (3)
*713-04	Temporary Pavement Markings (Solid Line) [___" (mm) Width]	Mile (km)	3 (3)
713-04-A	Temporary Pavement Markings (Solid Line)[4" (100mm) Width]	Mile (km)	3 (3)
713-04-A-01	Temporary Pavement Markings (Solid Line)[4" (100mm) Width](Type 1 Removable)	Mile (km)	3 (3)
*713-05	Temporary Pavement Legends & Symbols (Type)	Each	0 (0)
713-05-A	Temporary Pavement Legends & Symbols (Arrow)	Each	0 (0)
713-05-B	Temporary Pavement Legends & Symbols (Double Arrow)	Each	0 (0)
713-05-C	Temporary Pavement Legends & Symbols (Only)	Each	0 (0)
713-05-D	Temporary Pavement Legends & Symbols (RR Crossing)	Each	0 (0)
713-05-E	Temporary Pavement Legends & Symbols (School Crossing)	Each	0 (0)
*713-06	Temporary Reflectorized Raised Pavement Markers	Each	0 (0)
713-06-A	Temporary Reflectorized Raised Pavement Markers (Tabs)	Each	0 (0)
713-07	Temporary Precast Concrete Barrier (Contractor Furnished)	Each	0 (0)
713-08	Temporary Precast Concrete Barrier (Department Furnished)	Each	0 (0)
713-09	Temporary Portable Barrier (Type)	Each	0 (0)
713-10	Temporary Precast Concrete Barrier Movement	Each	0 (0)

SECTION 714 – SLAB SODDING

714-01	Slab Sodding	Square Yard (sq m)	0 (0)
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SECTION 715 – TOPSOIL

715-01	Topsoil	Cubic Yard (cu m)	0 (0)
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SECTION 716 – VEGETATIVE AND FIBER MULCH

*716-01	Mulch (Type)	Ton (kg)	1 (1)
716-01-A	Mulch (Vegetative)	Ton (kg)	1 (1)
716-01-B	Mulch (Fiber)	Ton (kg)	1 (1)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 717 – SEEDING

717-01	Seeding	Pound (kg)	0 (0)
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SECTION 718 – FERTILIZER AND AGRICULTURAL LIME

718-01	Fertilizer	Pound (kg)	0 (0)
718-02	Agricultural Lime	Ton (Mg)	1 (1)

SECTION 719 – LANDSCAPING

719-01	Plants (Type, Size)	Each	0 (0)
*719-02	Top Dressing Mulch [____” (mm) Depth]	Square Yard (sq m)	0 (0)
*719-03	Bed Preparation [____” (mm) Depth]	Square Yard (sq m)	0 (0)
719-04	Landscaping	Lump Sum	0 (0)

SECTION 720 – EROSION CONTROL SYSTEMS

*720-01	Erosion Control System (Type)	Square Yard (sq m)	0 (0)
720-01-A	Erosion Control System, Slope Protection (Type A)	Square Yard (sq m)	0 (0)
720-01-B	Erosion Control System, Slope Protection (Type B)	Square Yard (sq m)	0 (0)
720-01-C	Erosion Control System, Flexible Channel Liner (Type C)	Square Yard (sq m)	0 (0)
720-01-D	Erosion Control System, Flexible Channel Liner (Type D)	Square Yard (sq m)	0 (0)
720-01-E	Erosion Control System, Flexible Channel Liner (Type E)	Square Yard (sq m)	0 (0)
720-01-F	Erosion Control System, Flexible Channel Liner (Type F)	Square Yard (sq m)	0 (0)

SECTION 721 – MOWING, TRIMMING AND DEBRIS COLLECTION

721-01	Mowing	Acre (Hectare)	1 (1)
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SECTION 722 – FIELD LABORATORIES

722-01	Project Site Laboratory	Each	0 (0)
722-02	Project Site Laboratory (Equipped)	Each	0 (0)

SECTION 723 – GRANULAR MATERIAL

723-01	Granular Material (Net Section)	Cubic Yard (cu m)	0 (0)
723-02	Granular Material (Vehicular Measurement)	Cubic Yard (cu m)	0 (0)

SECTION 725 – TEMPORARY DETOUR ROADS AND BRIDGES

725-01	Temporary Detour Roads	Square Yard (sq m)	1 (1)
725-02	Temporary Detour Bridging	Linear Foot (lin m)	2 (2)
725-03	Low Profile Runaround	Each	0 (0)

SECTION 726 – BEDDING MATERIAL

726-01	Bedding Material	Cubic Yard (cu m)	1 (1)
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SECTION 727 – MOBILIZATION

727-01	Mobilization	Lump Sum	0 (0)
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ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 728 – JACKED OR BORED PIPE

*728-01	Jacked or Bored Pipe (Size, Type, Class, or Thickness)	Linear Foot (lin m)	1 (1)
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SECTION 729 – TRAFFIC SIGNS AND DEVICES

729-01	Sign (Type A)	Square Foot (sq m)	1 (2)
729-02	Sign (Type B)	Square Foot (sq m)	1 (2)
729-03	Sign (Type C)	Square Foot (sq m)	1 (2)
729-04	Sign (Type D)	Square Foot (sq m)	1 (2)
729-05	Sign (Type E)	Square Foot (sq m)	1 (2)
729-06	Sign (Overhead Mounted)	Square Foot (sq m)	1 (2)
729-07	Sign (Overlay Panel)	Square Foot (sq m)	1 (2)
*729-08	Mounting [_____] (mm) Size Post]	Each	0 (0)

Letter Designations for mounting post sizes

LETTER	POST SIZE ENGLISH	POST SIZE METRIC
A	2 1/2"	63.5 mm
B	3 1/2"	88.9 mm
C	5"	127 mm
D	6"	152.4 mm
E	S3 x 5.7	S75 x 8.5
F	W6 x 12	W150 x 18
G	W8 x 18	W200 x 27
H	W8 x 24	W200 x 36
I	W10 x 33	W250 x 49
J	W12 x 40	W310 x 60

729-09	Mounting (Overhead Truss)(Ground Mounted)	Each	0 (0)
729-10	Mounting (Overhead Truss)(Structure Mounted)	Each	0 (0)
729-11	Mounting (Overhead Cantilever)(Ground Mounted)	Each	0 (0)
729-12	Mounting (Overhead Cantilever)(Structure Mounted)	Each	0 (0)
729-13	Mounting (Bridge Fascia Mounted)	Each	0 (0)
729-14	Delineator Assembly (Ground Mounted)	Each	0 (0)
729-15	Delineator Assembly (Structure Mounted)	Each	0 (0)
*729-16	Object Marker Assembly (Type)	Each	0 (0)
729-16-A	Object Marker Assembly (Type 1)	Each	0 (0)
729-16-B	Object Marker Assembly (Type 2)	Each	0 (0)
729-16-C	Object Marker Assembly (Type 3)	Each	0 (0)
729-17	Milepost Assembly (Ground Mounted)	Each	0 (0)
729-18	Milepost Assembly (Structure Mounted)	Each	0 (0)
*729-19	Dead End Road Installations (Type)	Each	0 (0)
729-19-A	Dead End Road Installations (Type A)	Each	0 (0)
729-19-B	Dead End Road Installations (Type B)	Each	0 (0)
729-19-C	Dead End Road Installations (Type C)	Each	0 (0)
*729-20	Footings for Overhead Mountings (Type)	Each	0 (0)
729-21	U-Channel Post	Each	0 (0)

SECTION 730 – ELECTRICAL SYSTEMS

730-01	Trenching and Backfilling	Linear Foot (lin m)	0 (0)
*730-02	Conduit with Conductors (Size and Type)	Linear Foot (lin m)	0 (0)
*730-03	Conductors in Existing Conduit (Size and Type)	Linear Foot (lin m)	0 (0)
*730-04	Jacked or Bored Casing (Size and Type)	Linear Foot (lin m)	0 (0)
*730-05	Light Pole (Size and Type)	Each	0 (0)
*730-06	High Mast Pole (Size and Type)	Each	0 (0)
*730-07	Luminaire (Size and Type)	Each	0 (0)
*730-08	Electrical Service Point (Type)	Each	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
730-09	Electrical System	Lump Sum	0 (0)
730-10	Fabricated Light Pole Support	Each	0 (0)
730-11	Removal and Disposal of Electrical Equipment	Lump Sum	0 (0)
*730-12	Removal and Storage of Light Poles (Size and Type)	Each	0 (0)
*730-13	Removal and Disposal of Light Pole Foundations (Size and Type)	Each	0 (0)
*730-14	Removal and Disposal of Luminaires (Size and Type)	Each	0 (0)
*730-15	Relocate Light Poles (Size and Type)	Each	0 (0)
*730-16	Underground Junction Box (Size)	Each	0 (0)
*730-17	Structure Junction Box (Size)	Each	0 (0)
730-18	Service Pole	Each	0 (0)

SECTION 731 – RAISED PAVEMENT MARKERS

731-01	Nonreflectorized Raised Pavement Markers	Each	0 (0)
731-02	Reflectorized Raised Pavement Markers	Each	0 (0)

SECTION 732 – PLASTIC PAVEMENT MARKINGS

*732-01	Plastic Pavement Striping [____” (mm) Width]	Linear Foot (lin m)	0 (0)
*732-02	Plastic Pavement Striping (Solid Line)[____” (mm) Width]	Mile (km)	3 (3)
*732-03	Plastic Pavement Striping (Broken Line)[____” (mm) Width]	Mile (km)	3 (3)
*732-04	Plastic Pavement Legends and Symbols (Type)	Each	0 (0)
732-05	Removal of Existing Markings	Mile (km)	3 (3)

Letter Designations for Plastic Pavement Striping/Markings shall be as follows:

A ... 4” (100mm)	D ... 12” (300mm)	01 ... Preformed Marking Tape (Type)
B ... 6” (150mm)	E ... 24” (600mm)	02 ... Hot Applied Thermoplastic (inverted profile)
C ... 8” (200mm)		03 ... Hot Appl. Thermoplastic [40 mil (1mm) Thickness]

Example:

732-01-A	Plastic Pavement Striping [4” (100mm) Width]
732-02-A-02	Plastic Pavement Striping (Solid Line) [4” (100mm) Width](Inverted Profile)
732-03-A-01	Plastic Pavement Striping (Broken Line)[4” (100mm) Width] (Preformed Marking Tape - Type V)

Letter Designations for Legends and Symbols (732-04) shall be as follows:

A ... (Arrow)	D ... (RR Crossing)
B ... (Double Arrow)	E ... (School Crossing)
C ... (Only)	

Example:

732-04-A	Plastic Pavement Legends and Symbols (Arrow)
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SECTION 733 – CONCRETE ROADWAY BARRIERS

*733-01	Concrete Roadway Barrier (Type)	Linear Foot (lin m)	1 (1)
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SECTION 734 – RUBBLIZING PORTLAND CEMENT CONCRETE PAVEMENT

734-01	Rubblizing Portland Cement Concrete Pavement	Square Yard (sq m)	0 (0)
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SECTION 735 – MAILBOXES AND MAILBOX SUPPORTS

735-01	Mailboxes	Each	0 (0)
735-02	Mailbox Supports (Single)	Each	0 (0)
735-03	Mailbox Supports (Double)	Each	0 (0)
735-04	Mailbox Supports (Multiple)	Each	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 736 – TRAFFIC SIGNALS

736-01	Trenching and Backfilling	Linear Foot (lin m)	0 (0)
*736-02	Conduit with Conductors (Size & Type)	Linear Foot (lin m)	0 (0)
*736-03	Jacked or Bored Conduit (Size & Type)	Linear Foot (lin m)	0 (0)
*736-04	Signal Support (Size & Type)	Each	0 (0)
736-04-A	Signal Support (Foundation Only) (Size & Type)	Each	0 (0)
*736-05	Signal Heads (Type)	Each	0 (0)
736-05-A	Signal Heads (Retrofitted With LED's)	Each	0 (0)
736-06	Signal Service	Each	0 (0)
736-07	Traffic Signal System	Lump Sum	0 (0)
736-08	Signal Controller	Each	0 (0)
736-09	Loop Detector	Linear Foot (lin m)	0 (0)
736-10	Underground Junction Box	Each	0 (0)
*736-11	Conduit (Size and Type)	Linear Foot (lin m)	0 (0)
*736-12	Conductor (Size & Type)	Linear Foot (lin m)	0 (0)
*736-13	Cable (Size & Type)	Linear Foot (lin m)	0 (0)

SECTION 737 – PAINTED TRAFFIC STRIPING

737-01	Painted Traffic Striping (Solid Line)	Mile (km)	3 (3)
737-02	Painted Traffic Striping (Broken Line)	Mile (km)	3 (3)
737-03	Painted Traffic Striping (Solid Line)	Linear Foot (lin m)	0 (0)

Letter Designations for painted traffic striping widths shall be as follows:

A ... 4" (100mm)	C ... 8" (200mm)	E ... 24" (600mm)
B ... 6" (150mm)	D ... 12" (300mm)	

SECTION 738 – MULCH SODDING

738-01	Mulch Sodding	Cubic Yard (cu m)	0 (0)
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SECTION 739 – HYDRO-SEEDING

739-01	Hydro-Seeding	Acre (hectare)	2 (1)
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SECTION 740 – CONSTRUCTION LAYOUT

740-01	Construction Layout	Lump Sum	0 (0)
740-02	Utility Oversight and Coordination	Lump Sum	0 (0)

SECTION 741 – WATER DISTRIBUTION SYSTEMS

*741-01	Water Main (Size and Type)	Linear Foot (lin m)	0 (0)
*741-02	Gate Valve (Size)	Each	0 (0)
*741-03	Tapping Sleeve and Valve Assembly (Size)	Each	0 (0)
741-04	Fire Hydrant	Each	0 (0)
*741-05	Water Service Line (Size and Type)	Linear Foot (lin m)	0 (0)
741-06	Relocating Fire Hydrant	Each	0 (0)
741-07	Relocating Water Valve	Each	0 (0)
741-08	Relocating Water Meter	Each	0 (0)
741-09	Adjusting Water House Connections	Each	0 (0)
741-10	Adjusting Water Service Lines	Linear Foot (lin m)	0 (0)
741-11	Adjusting Water Valve and Meter Box	Each	0 (0)
741-12	Removing Water Valve Including Box	Each	0 (0)
741-13	Removing Fire Hydrant	Each	0 (0)
741-14	Concrete Blocking	Cubic Yard (cu m)	1 (1)
*741-15	Casing (Size and Type)	Linear Foot (lin m)	1 (1)
*741-16	Butterfly Valve (Size)	Each	0 (0)
*741-17	Double Strap Saddle (Size)	Each	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 742 – SANITARY SEWER SYSTEM

*742-01	Sanitary Sewer Pipe (Size)	Linear Foot (lin m)	0 (0)
742-02	Adjusting Sanitary Sewer House Connections	Each	0 (0)
742-03	Adjusting Sanitary Sewer Service Lines	Linear Foot (lin m)	0 (0)
*742-04	Casing (Size and Type)	Linear Foot (lin m)	0 (0)

SECTION 743 – AIRPORT PAVEMENT MARKINGS

743-01	Airport Pavement Markings	Square Foot (sq m)	0 (0)
743-02	Temporary Runway Striping	Square Foot (sq m)	0 (0)

SECTION 744 – TRAFFIC CONTROL MANAGEMENT

744-01	Traffic Control Management	Lump Sum	0 (0)
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SECTION 802 – STRUCTURAL EXCAVATION AND BACKFILL

802-01	Structural Excavation	Cubic Yard (cu m)	1 (1)
802-02	Structural Excavation for Intermediate Bents	Cubic Yard (cu m)	1 (1)
802-03	Structural Excavation for Piers (Dry)	Cubic Yard (cu m)	1 (1)
802-04	Structural Excavation for Piers (Wet)	Cubic Yard (cu m)	1 (1)
802-05	Cofferdams	Lump Sum	0 (0)
802-06	Well-Point System	Lump Sum	0 (0)

SECTION 803 – SHEET PILES

*803-01	Timber Sheet Pile Wall (Type Treatment)	Square Foot (sq m)	0 (1)
803-01-A	Timber Sheet Pile Wall (Noncoastal Treatment)	Square Foot (sq m)	0 (1)
803-01-B	Timber Sheet Pile Wall (Coastal Treatment)	Square Foot (sq m)	0 (1)
803-02	Concrete Sheet Pile Wall	Square Foot (sq m)	0 (1)
803-03	Steel Sheet Pile Wall	Square Foot (sq m)	0 (1)
803-04	Aluminum Sheet Pile Wall	Square Foot (sq m)	0 (1)
803-05	Temporary Sheeting	Lump Sum	0 (0)

SECTION 804 – DRIVEN PILES

*804-01	Precast Concrete Piles (Size)	Linear Foot (lin m)	0 (1)
*804-02	Treated Timber Piles (Type Treatment)	Linear Foot (lin m)	0 (1)
804-02-A	Treated Timber Piles (Noncoastal Treatment)	Linear Foot (lin m)	0 (1)
804-02-B	Treated Timber Piles (Coastal Treatment)	Linear Foot (lin m)	0 (1)
*804-03	Steel Piles (Size)	Linear Foot (lin m)	0 (1)
*804-04	Cast-In-Place Concrete Piles (Size)	Linear Foot (lin m)	0 (1)
804-05	Precast Concrete Test Piles	Each	0 (0)
804-06	Timber Test Piles	Each	0 (0)
804-07	Steel Test Piles	Each	0 (0)
804-08	Cast-In-Place Concrete Test Piles	Each	0 (0)
804-09	Loading Test Piles	Each	0 (0)
804-10	Reloading Test Piles	Each	0 (0)
804-11	Redriving Test Piles	Each	0 (0)
804-12	Loading Permanent Piles	Each	0 (0)
804-13	Precast Concrete Indicator Piles	Each	0 (0)
804-14	Timber Indicator Piles	Each	0 (0)
804-15	Steel Indicator Piles	Each	0 (0)
804-17	Dynamic Monitoring	Each	0 (0)

ITEM NO. PAY ITEM PAY UNIT DECIMALS

Letter Designation	Precast or Cast-In-Place Concrete Pile, in. (mm)	Steel Pile (Size)
A	12" (300mm)	HP 8x36 (HP 200x54)
B	14" (350mm)	HP 10x42 (HP 250x62)
C	16" (400mm)	HP 10x57 (HP 250x85)
D	18" (450mm)	HP 12x53 (HP 310x79)
E	20" (500mm)	HP 12x74 (HP 310x79)
F	24" (600mm)	HP 14x73 (HP 360x108)
G	30" (750mm)	HP 14x89 (HP 360x132)
H	36" (900mm)	HP 14x102 (HP 360x152)
I	54" (1370mm)	HP 14x117 (HP 360x174)

Note: See above table for Letter Designation for precast concrete pile size and steel bearing pile size.

Example:

Item 804-01-E, Precast Concrete Piles [20" (500 mm)]

Item 804-03-H, Steel Piles [HP 14x102 (HP 360x152)]

Item 804-04-D, Cast-In-Place Concrete Piles [18" (450mm)]

SECTION 805 – STRUCTURAL CONCRETE

*805-01	Class A Concrete	Cubic Yard (cu m)	2 (2)
805-01-A	Class A Concrete (Pipe Headwalls)	Cubic Yard (cu m)	2 (2)
805-01-B	Class A Concrete (Box Culvert Headwalls)	Cubic Yard (cu m)	2 (2)
805-01-C	Class A Concrete (Retaining Walls)	Cubic Yard (cu m)	2 (2)
805-01-D	Class A Concrete (Footings)	Cubic Yard (cu m)	2 (2)
805-01-E	Class A Concrete (Piers)	Cubic Yard (cu m)	2 (2)
805-01-F	Class A Concrete (Bents)	Cubic Yard (cu m)	2 (2)
805-01-G	Class A Concrete (Box Girders)	Cubic Yard (cu m)	2 (2)
805-01-H	Class A Concrete (Counterweights)	Cubic Yard (cu m)	2 (2)
*805-02	Class A(M) Concrete	Cubic Yard (cu m)	2 (2)

Note: See "Class A Concrete" for letter designations to be used with Class A(M) concrete.

Example:

805-02-E, Class A(M) Concrete (Piers)

805-03	Class AA Concrete	Cubic Yard (cu m)	2 (2)
805-04	Class AA(M) Concrete	Cubic Yard (cu m)	2 (2)
805-05	Class D Concrete	Cubic Yard (cu m)	2 (2)
805-06	Class R Concrete	Cubic Yard (cu m)	2 (2)
805-07	Class S Concrete	Cubic Yard (cu m)	2 (2)
*805-08	Precast-Prestressed Concrete Girder (Type)	Linear Foot (lin m)	1 (2)

Letter Designations for various types of precast - prestressed concrete girders shall be used as follows:

A ... Type I	C ... Type III	E ... Type V	G ... Type BT-72
B ... Type II	D ... Type IV	F ... Type VI	H ... Type Quad Beam

805-09	Expansion Joint Seal	Linear Foot (lin m)	2 (2)
805-10	Bridge Superstructure and Substructure	Span	0 (0)
805-11	Strip Seal Joints	Linear Foot (lin m)	2 (2)
*805-12	Reinforced Concrete Box Culverts (Size)	Linear Foot (lin m)	1 (2)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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Letter designations for the various box culvert sizes shall be used as follows:

Letter Designation	Box Culvert Size, ft (mm) (Span x Rise)	Letter Designation	Box Culvert Size, ft (mm) (Span x Rise)
A	4 x 3 (1200 x 900)	M	6 x 6 (1800x 1800)
B	5 x 3 (1500 x 900)	N	7 x 6 (2100 x 1800)
C	6 x 3 (1800 x 900)	O	8 x 6 (2400 x 1800)
D	7 x 3 (2100 x 900)	P	7 x 7 (2100 x 2100)
E	4 x 4 (1200 x 1200)	Q	8 x 7 (2400 x 2100)
F	5 x 4 (1500 x 1200)	R	9 x 7 (2700 x 2100)
G	6 x 4 (1800 x 1200)	S	8 x 8 (2400 x 2400)
H	7 x 4 (2100 x 1200)	T	9 x 8 (2700 x 2400)
I	5 x 5 (1500 x 1500)	U	10 x 8 (3000 x 2400)
J	6 x 5 (1800 x 1500)	V	9 x 9 (2700 x 2700)
K	7 x 5 (2100 x 1500)	W	10 x 9 (3000 x 2700)
L	8 x 5 (2400 x 1500)	X	10 x 10 (3000 x 3000)

Example:

805-12-N Reinforced Concrete Box Culverts [7' x 6' (2100 x 1800)]
805-12-E Reinforced Concrete Box Culverts [4' x 4' (1200 x 1200)]
805-12-O-01 Reinforced Concrete Box Culverts [8' x 6' (2400 x 1800)]

805-13	Class F Concrete	Cubic Yard (cu m)	2 (2)
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SECTION 806 – REINFORCEMENT

806-01	Deformed Reinforcing Steel	Pound (kg)	0 (0)
806-02	Deformed Reinforcing Steel (Epoxy Coated)	Pound (kg)	0 (0)

SECTION 807 – STRUCTURAL METALS

807-01	Steel [AASHTO M 270, Grade 36 (M 270M, Grade 250)]	Pound (kg)	0 (0)
807-02	Steel [AASHTO M 270, Grade 50 (M 270M, Grade 345)]	Pound (kg)	0 (0)
807-03	Steel [AASHTO M 270, Grade 50W (M 270M, Grade 345W)]	Pound (kg)	0 (0)
807-04	Steel [AASHTO M 270, Grade. HPS 50W (M 270M, Grade HPS 345W)]	Pound (kg)	0 (0)
807-05	Steel (AASHTO M 270, Grade HPS 70W (M 270M, Grade HPS 485W)]	Pound (kg)	0 (0)
807-06	Steel (AASHTO M 270, Grade 100 (M 270M, Grade 690)]	Pound (kg)	0 (0)
807-07	Steel (AASHTO M 270, Grade 100W (M 270M, Grade 690W)]	Pound (kg)	0 (0)
807-08	Structural Metalwork	Lump Sum	0 (0)

SECTION 808 – STEEL GRID FLOORING

808-01	Steel Grid Flooring	Square Foot (sq m)	1 (2)
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SECTION 809 – MOVABLE BRIDGES

809-01	Movable Bridge Machinery	Lump Sum	0 (0)
809-02	Traffic Barriers	Lump Sum	0 (0)
809-03	Operating House	Lump Sum	0 (0)
809-04	Machinery Houses	Lump Sum	0 (0)

SECTION 810 – BRIDGE RAILINGS AND BARRIERS

810-01	Concrete Railing (Type)	Linear Foot (lin m)	2 (2)
810-02	Steel Railing	Linear Foot (lin m)	2 (2)
810-03	Pipe Railing	Linear Foot (lin m)	2 (2)
810-04	Steel and Concrete Railing	Linear Foot (lin m)	2 (2)
810-05	Pipe and Concrete Railing	Linear Foot (lin m)	2 (2)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
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SECTION 812 – TREATED TIMBER

*812-01	Treated Timber (Type Treatment)	MFBM (cu m)	2 (2)
812-01-A	Treated Timber (Land and Fresh Water)	MFBM (cu m)	2 (2)
812-01-B	Treated Timber (Coastal Treatment)	MFBM (cu m)	2 (2)

SECTION 813 – CONCRETE APPROACH SLABS

813-01	Concrete Approach Slabs	Square Yard (sq m)	2 (2)
813-02	Concrete Approach Slabs (Pile Supported)	Square Yard (sq m)	2 (2)

SECTION 814 – DRILLED SHAFT FOUNDATIONS

*814-01	Drilled Shaft (Diameter)	Linear Foot (lin m)	1 (2)
*814-02	Trial Shaft (Diameter)	Linear Foot (lin m)	1 (2)
814-03	Permanent Casing	Linear Foot (lin m)	1 (2)
*814-04	Crosshole Sonic Logging (Diameter)	Each	0 (0)

Letter designations for various diameters shall be used as follows:

A ... 18" (450mm)	D ... 36" (900mm)	G ... 72" (1800mm)
B ... 24" (600mm)	E ... 48" (1200mm)	H ... 84" (2100mm)
C ... 30" (750mm)	F ... 60" (1500mm)	I ... 96" (2400mm)

Examples:

814-01-A	Drilled Shaft [18" (450mm) Diameter]
814-02-C	Trial Shaft [30" (750mm) Diameter]

SPECIAL ITEMS

Numbering System: Road, Airport, and Public Works special items should start with Item No. S-001. Bridge special items should start with Item No. S-101. Pavement rehabilitation items that have been assigned numbers are included at the end.

Adjusting Gas Lines (Size)	Linear Foot (lin m)	0 (0)
Adjusting Guard Rail	Linear Foot (lin m)	1 (2)
Adjusting Water Lines (Size)	Linear Foot (lin m)	0 (0)
Asphalt Slurry Seal Coat (Type)	Square Yard (sq m)	0 (0)
Cleaning Existing Ditches	Linear Foot (lin m)	0 (0)
Cleaning, Painting, and Disposal (Near White Finish)	Lump Sum	0 (0)
Concrete Approach Slabs	Each	0 (0)
Deck Drainage Systems	Lump Sum	0 (0)
Detectable Warning System Retrofit for Curb Ramps	Each	0 (0)
Double Application Lime Treatment	-Lime Ton (Mg)	2 (2)
	-Treatment Square Yard (sq m)	0 (0)
Drainage Structures (Bridge vs. Culverts)	Lump Sum	0 (0)
Drainage Structures (Culverts Only)	Lump Sum	0 (0)
Dynamic Analysis	Each	0 (0)
Dynamic Message Sign Unit	Each	0 (0)
Flexible Post Traffic Delineators	Each	0 (0)
Geogrid	Square Yard (sq m)	0 (0)
Geotextile Fabric	Square Yard (sq m)	0 (0)
Headlands	Linear Foot (lin m)	0 (0)
Impact Attenuators (Construction Zone)	Each	0 (0)
Impact Attenuators (Inertial)	Each	0 (0)
Impact Attenuators (Kinetic)	Each	0 (0)
Irrigation Canals	Linear Foot (lin m)	0 (0)
Liquid Settlement Monitoring Instrumentation	Lump Sum	0 (0)
Load Testing a Drilled Shaft	Each	0 (0)
Mechanically Stabilized Earth Wall	Lump Sum	0 (0)
Open Graded Friction Course System		
(High Volume Traffic Application)	Ton (Mg)	0 (0)
Open Graded Friction Course		
(Low Volume Traffic Applications)	Ton (Mg)	0 (0)

ITEM NO.	PAY ITEM	PAY UNIT	DECIMALS
	Pier Protection System	Each	0 (0)
	Raised Asphalt Concrete Median [____"] (mm) Thick]	Square Yard (sq m)	1 (1)
	Rice Levees	Linear Foot (lin m)	0 (0)
	Roadway Joint Reinforcing Mesh (Detail Repair System)	Linear Foot (lin m)	0 (0)
	Roadway Reinforcing Mesh (Complete Road System)	Square Yard (sq m)	0 (0)
	Rumble Strips (Ground-In)	Mile (km)	1 (1)
	Sawing and Sealing Longitudinal and Transverse Joints in Asphaltic Concrete Overlay, and Sawcuts in Asphaltic Concrete Lifts	Linear Foot (lin m)	0 (0)
	Special Anchor Section	Each	0 (0)
	Surface Preparation	Lump Sum	0 (0)
	Temporary Construction Entrance	Each	0 (0)
	Temporary Queue Detection System	Lump Sum	0 (0)
	Test Drilled Shaft (Diameter)	Each	0 (0)
	Traffic Maintenance Superpave Asphaltic Concrete	Ton (Mg)	1 (1)
	Ultra-Thin HMAC Wearing Course System	Square Yard (sq m)	0 (0)
	Ultra-Thin Whitetopping (UTW)		
	[2-4 inches (50-200mm) thick] -Placement	Square Yard (sq m)	1 (1)
	-Concrete	Cubic Yard (cu m)	1 (1)
	Untreated Timber Foundations for Bedding Material	MFBM (cu m)	0 (0)
	White Preformed Heat-Applied Retroreflective		
	Thermoplastic Striping Material -(Lines)	Linear Foot (lin m)	0 (0)
	-(Symbols)	Each	0 (0)