

INDEX

A

AASHTO , Reference to	1
Abandoned Wells, Tanks, etc. 2104.3B	132
Abbreviations	1
Acceptance of Work 1516	50
Addendum , Definition of	5
Additional Work , Definition of	5
Additive, Coating and Anti-Stripping 3161	843
Administrative Review (Contract Time) 1806.3	89
Admixtures for Concrete 3113	804
Advertisement for Bids , Definition of	5
Aggregate	
Base 2211	187
Definition of	5
Natural Material Sources 1602	55
Spreader 2356.3B	344
Aggregates for	
Bituminous Concrete, Coarse 3139	829
Bituminous Concrete, Fine 3139	829
Backfill or Bedding 3149	837
Bituminous Mixtures, Graded 3139	829
Bituminous Seal Coat, Fine 3127	809
Embankment Construction 3149	837
Filter Courses (See Filter Layer)	
Joint and Crack Mixture 2231.2B	198
Portland Cement Concrete, Coarse 3137	811
Portland Cement Concrete, Fine 3126	807
Sand Cover, Soil-Cement Base 3149.2J	841-842
Shouldering 3138	820
Sources (Natural Material) 1602	55
Stabilizing 2105.3D, 2105.3G.,3149.2C	142, 148, 840
Sub-Drain Backfill 3149.2H, 2J	841
Subgrade Correction 2112	159
Surface and Base Courses 3138	820
Aggregate Shouldering 2221	196
Aggregate Surfacing 2118	161
Agreement , Supplemental (Extra Work) 1403	17, 32
Agricultural Lime 3879	1066
Air, Land and Water Pollution 1717	75
Alloy Steel Castings 3323	877
Alteration of the Work 1402	29
Aluminum	
Alloy Structural Plate for Pipe, Pipe-Arches, and Arches 3233	852
Pipe, Corrugated 3225	846
Wrought and Extruded 3336	880
Tube for Pipe Railing 3363	895
Anchor Rods 3385	902
Application	
of Calcium Chloride 2131	169
of Water 2130	167

Aprons,	
Aluminum 3225.2C	847
Concrete (Precast) 3236	853
Steel, Galvanized 3226.2D	848
Aramid-Bonded Corrugated Steel Pipe 3228	850
Armored Underground Cable,	
Polyethylene 3815.2C13g	999
Asphalt	
Cement 3151.2E	843
Damproofing and Waterproofing, for 3166	845
Emulsified 3151.2E	840
Plank, Premolded 3204	846
Primer For Damproofing and Waterproofing 3165	845
Assignment of Payments 1909	109
ASTM, Reference to	1
Audits 1721	77
Authority	
and Duties of Inspector 1510	47
and Duties of Project Engineer 1509	46
of the Engineer 1501	39
Auxiliary Lane, Definition of	5
Award	
Cancellation of 1303	26
Definition of	5
Award of Contract 1302	25

B

Backfill, Lean (Concrete) Mix 2520	629
Backfilling Structure Excavations 2451.3D	495
Bagged Concrete Patch Mix (3U18) 3105	802
Barricades	
and Signs 1710	69
Permanent 2554.4B	677
Base,	
Aggregate 2211	187
Bituminous Treated 2204	173
Concrete 2201	171
Soil Cement 2206	176
Base Reconditioning 2231	244
Bearing	
Pads, Elastomeric 3741	974
Plates and Bushings, Lubricated Bronze 3329	879
Bedding and Backfill 2451.3C	494
Benching or Stepping, Excavation/Backfills 2105.3B, 2451.3D	141,495
Bid Schedule	
Definition of	6
Interpretation of Quantities in 1204	19
Bidder, Definition of	6
Bidders	
Disqualification of 1213	24
Prequalification of 1201	19
Bids, Alternate 1206	21
Binder Soil 3146	837

Bituminous	
Coated Corrugated Metal Pipe 3227	849
Curb 2535	644
Fog Seal 2355	342
Mastic Joint Sealer for Pipe 3728	969
Materials 3151	842
Pavement, Plant Mixed 2331	244
Pavement Removal 2104.4	134
Paver 2331.3C2	252
Prime Coat 2358	351
Seal Coat 2356	343
Stabilized Subgrade 2207	183
Superpave 2360	353
Tack Coat 2357	349
Treated Base 2204	173
Bituminous Surface,	
Plant Mixed 2331	244
Plant Mixed (QC/QA & Certified Plant) 2340	279
Road Mixed 2321	236
Superpave 2360	353
Tolerances 2331.3J	274
Bolts,	
Anchor 2471.3D4	554
Pin 3391.2G	905
Stainless Steel 3391.2E	904
Structural Steel 3391.2B	903
Bond	
Contract 1305	26
Special (Railroad Work) 1708.4	68
Borrow Material 1602(5), 2105.2B, 3149.2A	56, 138, 838
Box Culverts	
Concrete 2411.2A	475
Precast, Fabrication 3238	859
Precast, Field 2412	478
Brick,	
Building, Clay or Shale 3613	946
Building, Concrete 3615	947
Building, Sand-Lime 3614	947
Sewer, Clay 3612	946
Sewer, Concrete 3616	947
Brass, Sheet 3331	880
Bridge	
and Guardrail Paint 3526	934
Definition of	6
Flooring, Intermediate (see Timber)	
Paint, Ready-Mixed Aluminum, Finish Coat 3528	935
Removal of Old 2442	487
Bridge Construction,	
Concrete 2401	403
Steel 2402	438
Timber (see Timber Bridge)	
Bronze,	
Bearing Plates and Bushings, Lubricated 3329	879
Castings - Type 1 3327	878
Castings - Type 2 3328	878
Plates, Wrought 3325	878

Building Brick,	
Clay or Shale 3613	946
Concrete 3615	947
Sand-Lime 3614	947
Building Removal 2103	127
Burlap Curing Blankets 3751	976

C

Cab Card 1513	
Cabinet,	
Installation - TMS 2550	661
Lighting Service 3837, 3850	1022, 1028
Cable, Electrical	
Armored Underground 3815.2C1	991
Camera Control 3815.2C8	995
EVP Detector Cable 3815.2C5	993
Electrical Conductors and Cables 3815	989
Fiber Optic Cable 3815.2C13	996
Installation, TMS 2550	661
Loop Lead-in Cable 3815.2C4	992
Overhead Light Cable 3815.2C2	991
R F Transmission (COAX) 3815	989
Telephone 3815.2C6	993-994
Video 3815.2C7	994
Cable Guardrail, Wire Rope and Fittings for 3381	901
Calcium	
Chloride, Application of 2131	169
Chloride (material) 3911	1092
Calendar Day, Definition of	6
Certification of Welders 2471.3F	558
Camera Control Cable 3815.2.C8	995
Cancellation	
of Award 1303	26
of Contract, Emergency 1809	92
Carbon Steel Castings 3322	875
Cast Iron	
Soil Pipe 3252	863
Iron Water Pipe 3365	895
Castings,	
Bronze, Type 1 3327	878
Bronze, Type 2 3328	878
Iron, Gray 3321	873
Iron, Malleable 3324	877
Steel, Alloy 3323	877
Steel, Carbon 3322	875
Catch Basins, and Manholes 2506	613
Caulking Compound 3731	969
Cement,	
Asphalt 3151.2A	842-843
Masonry 3107	803
Portland 3101	801
Portland-Pozzolan 3103	801

Certificate	
of Compliance, Definition of	6
of Welders 2471.3F3	560
Requirements 1603.3	58
Certified CCTV Technician , Definition of	7
Certified Test Reports , Definition of	7
Change Order , Definition of	7
Changed Condition , Definition of	7
City , Definition of	7
Claims, Damage , Responsibility for 1714	73
Claims for Compensation Adjustment 1517	51
Clay Pipe 3251	863
Cleanup, Final 1407	36
Clearing and Grubbing 2101	121
Coarse Aggregate ,	
Bituminous Concrete 3139	829
Portland Cement Concrete 3137	811
Coating and Anti-Stripping Additive 3161	843
Cofferdams 2451.1, 2451.3A3a, 2451.3B3	489, 491, 493
Cold Finished Bar Steel 3314	870
Combination and Conditional Proposals 1211	23
Commercial Fertilizer 3881	1067
Commissioner , Definition of	7
Common	
Channel Excavation, Classification of 2105.2A5	138
Excavation, Classification of 2105.2A1	137
Compaction Requirements ,	
Aggregate Base 2211.3C	189
Bituminous 2331.3H	267
Embankment 2105.3F	147
Structural Backfill 2451.3D	495
Subgrade Preparation 2112.3	159
Compensation	
Adjustment, Claims for 1517	51
for Increased or Decreased Quantities 1903	101
Compost 3890	1084
For Turf Establishment 3890.2A	1085
For Landscaping 3890.2B	1085
Concrete Admixtures 3113	804
Concrete Base 2201	171
Concrete Bridge Construction 2401	403
Compaction of Concrete 2401.3D	416
Concrete Curing and Protection 2401.3G	428
Falsework and Forms 2401.3B	403
Finish of Concrete 2401.3F	418
Joint Construction 2401.3E	416
Joint and Crack Sealing 2401.3J	433
Placement of Concrete 2401.3C	412
Protective Oil Treatment 2401.3K	433
Concrete Curbing 2531	636
Concrete Grade Designations 2461.3B2	517
Concrete Joint Filler, Preformed 3702	954

Concrete Joint Sealants,	
Hot Poured Elastic Type 3723	965
Hot Poured Crumb Rubber Type 3719	954
Hot Poured Low Modulus Elastic Type 3720	956
Preformed Elastomeric Compression Type 3721	958
Concrete Masonry Units 3621	947
Concrete Median Barriers 2533	641
Concrete Mix Designations 2301.2A, 2461.2, 2461.3, 3137	203, 516, 517, 809
Concrete Pavements 2301	203
Batch Hauling 2301.3D	210
Batching and Mixing Concrete 2301.3F	212
Concrete Mix 2301.2A	204
Concrete Curing and Protection 2301.3M	221
Fixed Form Construction 2301.3H	216
Form Placement and Removal 2301.3C	208
Form Coating Materials 3902	1091
General Requirements 2301.3A	204
Joint Construction 2301.3K	220
Joint Sealing 2301.3N	223
Materials 2301.2	203
Placing Concrete 2301.3G	216
Placing Metal Reinforcement 2301.3E	210
Slip Form Construction 2301.3J	219
Subgrade Preparations 2301.3B	208
Surface Finishing 2301.3L	221
Workmanship and Quality 2301.3P	225
Concrete,	
Form Coating Materials 3902	1091
Precast Box Culverts 2412	478
Strength 2301.3A2, 2461.4A5	205, 528
Structural 2461	516
Structural (Portland Cement) 2461.2A	516
Treating Oil 3917	1093
Concrete Wearing Course for Bridges 2404	456
Conductors, Electrical 3815	989
Conduit,	
Expansion Fittings 3839	1027
Installation 2565.3D	713
Intermediate Metal 3802	979
Non-Metallic 3803	979
Rigid Steel 3801	979
Conformity with Plans and Specifications 1503	40
Consideration of Proposals 1301	25
Construction Stakes, Lines and Grades 1508	45
Contents of Proposal Form 1202	19
Contract,	
Approval of 1306	26
Award of 1302	25
Default and Termination of 1808	91
Definition of	7-8
Emergency Cancellation of 1809	92
Execution and Approval of 1306	26
Failure to Execute 1307	27
Intent of 1401	28
Subletting of 1801	78

Contract	
Bond, Definition of	8
Bond, Requirement of 1305	26
Item, Definition of	8
Items (See Bid Schedule, Basis of Payment Provisions)	
Time, Definition of	8
Time, Determination and Extension of 1806	86
Contracting Authority , Definition of	8
Contractor	
Definition of	8
Supervision by 1506	42
Contractor's Responsibility for Work 1716	74
Contractors , Cooperation by 1505	42
Control of Haul Roads 1515	50
Cooperation by Contractors 1505	42
Coordination of Plans and Specifications 1504	41
Copper	
Sheet 3332	880
Water Tube and Fittings 3366	895
Corrugated	
Aluminized Steel Pipe (Type 2) 3222	846
Aluminum Pipe 3225	846
Metal Pipe, Bituminous Coated 3227	849
Polyethylene Tubing 3278	864
Polyethylene Pipe 3247	863
Steel Pipe 3226	847
County , Definition of	8
Creosote Preservative Oil (see Preservative)	
Crib Walls 2422	481
Culvert , (see also Pipe)	
Definition of	9
Cast-in-Place Concrete Box 2411	475
Pipe, Installation of 2501.3	597
Removal of 2104, 2104.5	129, 135
Precast 2412, 3238	478, 859
Timber Box (see Timber Box Culvert)	
Curb ,	
Bituminous 2535	644
Concrete 2531	636
Integrand 2301.3A4, .4F, .5	206, 233, 233

D

Damage Claims , Responsibility for 1714	73
Damages, Liquidated , For Failure to Complete Work on Time 1807	90
Debris , Disposal of 2104.3C	133
Default and Termination of Contract 1808	91
Definitions	5
Delays 1806	86
Delineators 2564	689
Delivery of Proposals 1209	22
Department , Definition of	9
Department Furnished Materials 1609	62
Determination and Extension of Contract Time 1806	86
Detour , Definition of	9
Dewatering 2105.3B, 2451.3C	141, 494

Disposal of Materials and Debris 2104.3C	133
Disputed Claims 1517	51
Disqualification of Bidders 1213	24
Distributor, Bituminous , Requirements for 2321.3C	238
Divided Highway , Definition of	9
Dowel Bars 3302	866
Dozer , Rental of 2123.3B	164
Dragline , Rental of 2123.3D	164
Drain Pipe ,	
Bituminous Coated Metal 3227	849
Clay 3251	863
Corrugated Aluminum 3225	846
Corrugated Polyethylene Drainage Tubing 3278	864
Corrugated Steel 3226	847
Nonreinforced Concrete 3253	863
Thermoplastic Pipe 3245	862
Drain Tile 3276	864
Drawings ,	
Shop Detail 2471.3B	548
Working 1502	40

E

Earth Shouldering 2120	162
Easement , Definition of	9
Elastomeric Bearing Pads 3741	974
Electrical ,	
Cabinets, Lighting 3850	1028
Conductors and Cables 3815	989
Conduit Installation 2565.3D	713
Expansion Fittings 3839	1027
General Construction Requirements 2545.3, 2565.3A	650, 710
Grounding 2565.3H	721
Junction Boxes 3838	1025
Lighting Service Cabinet 3850	1028
Lighting System 2545	647
Load Center 3837.2A3	1022
Meter Socket 3837.2A2	1022
Pullbox Installation 2565.3E	717
Safety Switch 3837.2A4 and 3837.2A5	1023
Service Equipment 3837	1022
Splices 2565.3J4	724
Transformer 3837.2B	1024
Wiring and Conductor Installation 2545.3G, 2565.3J	651, 723
Elimination of Work 1905	105
Embankment, Excavation and 2105	137
Embankments ,	
Placing 2105.3E	144
Compacting 2105.3F	147
Emergency Cancellation of Contract 1809	92
Employee Health and Welfare (Contractor's) 1706	64
Emulsified Asphalt 3151.2E	843
Enamel Paint (see Paint)	

Engineer,	
Authority of 1501	39
Definition of	9
Project, Authority and Duties of 1509	46
Equipment, Definition of	10
Equipment, and Methods 1805	85
Equipment, Restrictions on Movement of 1513	49
Equipment, Rental 2123	163
Erosion Control (also see Vegetation) 1803.5	81
Blanket 3885	1073
Erosion Stabilization Mat 3888	1082
Gabions and Revet Mattress 2512, 3602	624, 944
Protection and Restoration of Vegetation 2572	759
Netting 3883	1070
Riprap 2511, 3601	620, 942
Sandbags 3893	1087
Sediment Mat 3894	1088
Schedule 1803.5	79
Scheduling the Work 1717, 1803.5, 2105.3G, 2575.3A	75, 81, 148, 774
Temporary Items 2572, 2573	759, 765
Turf Establishment Blanket 3883	1070
Withholding for 2105.5	153
Estimates (see Partial Payments)	
Examination of Plans, Specifications and Site of Work 1205	20
Excavation	
and Embankment 2105	137
Borrow Material, Requirements for 2105.2B	152
Compacting Embankments 2105.3F	147
Disposition of Excavated Material 2105.2C, 2105.3D	139, 142
Excavation Material, Classification of 2105.2A	137
Excavating Operations 2105.3C	139
Finishing Operations 2105.3G	148
Placing Embankments 2105.3E	144
Preparation of Embankment Foundation 2105.3B	141
Salvage Material, Classification 2104.5	135
Structure, and Backfill 2451	489
Trench (See Structure Excavations and Backfills)	
Excess or Insufficient Aggregate Productions 1901	109
Execution and Approval of Contract 1306	26
Explosives, Use of 1711, 2105.3C	71, 139
Extension of Contract Time 1806.2	89
Exterior	
Enamel, Dark Green 3552	938
Enamel, Light Green 3553	939
Masonry Acrylic Emulsion Paint 3584	941
Paint, Light Stone 3534	936
Extra and Force Account Work 1904	102
Payment for 1904	102
Extra Work	
Definition of	10
Scope of 1403	32
Extreme Service Membrane Curing Compound 3755	977

F

Fabric (See Geotextile)

Saturated, for Waterproofing 3201	846
Steel 3303	866
Fabrication, Structural Metals 2471.3	547
Failure	
to Complete the Work on Time 1807	90
to Execute Contract 1307	27
to Maintain Satisfactory Progress 1804	85
Falsework and Forms (for Concrete)	
Bridge Construction 2401.3B	403
Chamfer Strips 2401.3B1g, 2401.3B6	406, 409
Fasteners 3391	903
Federal Aid Provisions 1705	64
Fence, (also see Posts)	
Gates 3379	899
Silt Fence 3886	1077
Barbed 3376.2A	898
Chain Link 3376.2C	899
Woven 3376.2B	899
Wire 3376	898
Woven 3376.2B	899
Fencing 2557	680
Fertilizer, Commercial 3881	1067
Fiber Log 3895	1088
Fiber Optic Circle 3815	989
Field Office and Laboratory 2031	112
Filler, Mineral 3145	836
Filter Layer, Material for 3149.2H, 2J, 3601.2B	841, 841, 943
Filter Fabric (See Geotextile)	
Final	
Acceptance of Work 1516.2	50
Cleanup 1407	36
Payment 1908	108
Fine Aggregate for	
Bituminous Concrete 3139	829
Bituminous Seal Coat 3127	809
Portland Cement Concrete 3126	807
Flanged Channel Sign Posts 3401	908
Flap Gates 3399	906
Flotation Silt Curtain 3887	1080
Fly Ash (for use in Portland Cement Concrete) 3115	806
Fog Seal, Bituminous 2355	342
Force Account Work	
Payment for 1904	102
Scope of 1402	29
Forest Protection 1713	72
Forgings, Steel 3315	871
Form	
Coating Materials 3917	1093
Contents of Proposal 1202	19
Forms	
Concrete (See Type of Structure)	
Issuance of Proposal 1203	19
Foundation	
Piles (See Piling)	
Preparations (for Structures) 2451.3C	494
Front End Loader, Rental of 2123.3M	166

Frontage Road, Definition of	10
Fuel Cost Escalation Clause 1910	109
Furnishing of Right of Way 1718	76

G

Gabions and Revet	
Mattresses 2512	624
Mattresses Materials 3602	944
Galvanized	
Hardware 3392	905
Steel Structural Plate for Pipe, Pipe-Arches, and Arches 3231	851
Structural Shapes 3394	905
Gaskets, Rubber, for Concrete Pipe 3726	968
Gates	
Flap (for Drainage Pipe) 3399	906
Fence (see Fence)	
General Requirements for Structural Steel 3308	867
Geotextiles 3733	970
Girders, Prestressed Concrete 2405	465
Graded Aggregate for Bituminous Mixtures 3139	829
Grade Separation, Definition of	10
Granular	
Material, Requirements for 3149	837
Filter 3601.2B	943
Gravel, Definition of	10
Gray Iron Castings 3321	873
Ground Granulated Blast Furnace Slag Cement	801
Grubbing, Clearing and 2101	121
Guaranteed Analysis, Definition of	10
Guardrail (See Traffic Barriers)	

H

Handhole Installation 2565.3E	717
Handling Materials 1607	61
Hardware for Timber Bridges (see Timber Bridge)	
Haul Roads,	
Control of 1515	50
Designation of 2051.3	118
Maintenance and Restoration of 2051, 2051.4	117, 119
High Strength Manganese Vanadium Steel 3310	868
Highway, Definition of	11
Highway-Railroad Grade of Crossing Signals 2560	686
Historical Objects, Preservation of 1406	35
Holidays, Definition of	11
Holidays, Work on 1803.3	80
Hours of Work 1803.3, 2123.5	80, 166
Hot Rolled Bar Steel 3313	869
Hydrated Lime 3106	803

I

Identification of Alloys 2471.3C2	551
Induced Trench 2451.4A2, 2501.3E	496, 599
Industry Standard, Definition of	11
Inspection, Plant 1604	59

Inspection of Work 1511	47
Inspection and Acceptance of Materials 1603	57
Inspector,	
Authority and Duties of 1510	47
Definition of	11
Insulation Board (Polystyrene) 3760	978
Insurance (See Railroad-Highway Provisions)	
Integrant Curb 2301.3A3	206
Intent of Contract 1401	28
Interchange, Definition of	11
Intermediate Metal Conduit 3802	979
Interpretation of Quantities in Bid Schedule 1204	19
Intersection, Definition of	11
Irregular Proposals 1207	22
Issuance of Proposal Forms 1203	19
Item, Changes in Quantity of 1402	29
Item, Contract (See Bid Schedule and Basis of Payment Provisions)	

J

Jacking Pipe Culverts 2501.3C	597
Jets, Water (Pile Driving) 2452.3C4	502
Joint Filler, Preformed Expansion, for Concrete Construction 3702	954
Joint Materials for Concrete Pipe,	
Bituminous Mastic Compound 3728	969
Preformed Plastic Seals 3726	968
Rubber Gasket Seals 3724	966
Joint Sealers, Concrete	
Hot Poured Elastic Type 3723	965
Hot Poured Crumb Rubber Type 3719	954
Hot Poured Low Modulus Elastic Type 3720	856
Preformed Elastomeric Compression Type 3721	858

K

Keyway Forms (for Concrete Pavement) 2301.3C3	209
Keyways (in Concrete Bridges) 2401.3B6	403

L

Laboratory,	
Materials, Definition	
Field Office and 2031	112
Laborers, Hire of 2123.4B	166
Land, Air and Water Pollution 1717	75
Landscape, Protection and Restoration of 1712	72
Lane Markings 2580, 2581	798, 799
Laws to be Observed 1701	63
Lead, Sheet 3335	880
Leased Material Sources 1602	55
Legal Rights, No Waiver of 1720	76
Liability Insurance 1708.2	66
Liability Insurance, Railroad Protective 1708.2	66
Licenses, Permits, and Taxes 1702	63
Light Installation Standards 2545.3H	652
Lighting (also see Electrical)	
Fixtures 3810	980
General Construction Requirements 2545.3	650

Lamps 3810	980
Luminaires 3810	980
Photoelectric Control 3812	987
Service Cabinet 3850	1028
Service Equipment 3837	1022
Sign Lighting Fixtures 2545	647
Wood Poles 3840	1027
Lighting System (See Electrical Lighting System)	
Lime,	
Agricultural 3879	1066
Hydrated 3106	803
Limestone, Definition of	11
Liquidated Damages, Schedule of Deductions for 1807.1	90
Limitation of Operations 1803.3	80
Loop, Definition of	11
Loop Detector 2565.3G	719
Electrical Conductors and Cables 3815	989
Lead-in Cable 3815	989
Lubricated Bronze Bearing Plates and Bushings 3329	879
Lumber Materials (See Timber Materials)	
Lumber, Preservative Treatment (see preservative)	
Lumber 3457	915
Luminaires 3810	980
Luminaires, Installation 2545.3Q	656

M

Magnesium Chloride 3912	1093
Maintenance and Restoration Of Haul Roads 2051	117
Maintenance During Construction 1514	49
Maintenance of Traffic 1404	33
Major Contract Item, Definition 2021.5	111
Malleable Iron Castings 3324	877
Manholes and Catch Basins 2506	613
Removal of 2104.3B	130
Sectional Concrete Units for 3622	948
Markers, Milepost 2564.4G	703
Marking Tape, Pavement, Reflectorized 3353	888
Masonry Cement 3107	803
Masonry Structures, Removal of 2104.3B	130
Mast Arm Pole Standards and Luminaires 3831	1002
Materials,	
Acceptance of 1603.4	58
Definition of	11
Disposal of, and Debris 2104.3C	133
Defective 1608	62
Handling 1607	61
Inspection of 1603.2	58
Laboratory Definition	12
Natural (Aggregate) 1602	55
Payment, Materials on Hand 1906	106
Plant (Facility) Inspection of 1604.3	60
Quality of 1601	55
Samples of 1603.2	58
Sources of 1601	55
Specifications, Samples, Tests and Acceptance 1603	57

Substitute 1605	60
Storage of 1606	61
Surplus, Payment for 1907	107
Test of 1603.2	58
Unacceptable 1608	62
Use of, Found on Project 1405	35
Maximum Density , Definition of	12
Measurement	
Conversion Factors for 1901.11	99
Correction of 1720	76
Method of (See Method of Measurement Provisions) of Quantities 1901	94
Median Barriers ,	
Fabrication (Precast) 3630	949
Field 2533	641
Medians , Concrete (See Concrete Curbing)	
Membrane Curing Compound 3754	977
Membrane Curing Compound , Extreme Service 3755	977
Metal Pipe (See Pipe Materials)	
Metal Reinforcement 2472	570
Metals , Structural, Fabrication of	
Assembly, Shop 2471.3J	563
Bolts and Bolting 2471.3D4	554
Components, Structural 2471.3D	553
Cutting 2471.3E1	555
Drawings, Shop Detail 2471.3B	548
Edge Finishing 2471.3E2d	556
Fracture Critical 2471.3G	561
Galvanizing 2471.3L1	565
Hole Forming 2471.3H	561
Identification of Materials 2471.3C2	551
Inspection 2471.3M & N	566 & 567
Machining 2471.3E2	555
Marking and Shipping 2471.3P	569
Match Marking 2471.3J3	564
Painting, Shop 2471.3L	564
Pins and Rollers 2471.3D5	554
Shims, Field 2471.3D6	554
Shipping 2471.3P	569
Shop Assembly 2471.3J	563
Shop Practice, General 2471.3C	551
Storage 2471.3C3	552
Weld Inspection 2471.3M&N	566 & 567
Welders, Certification of 2471.3F3	559
Welding 2471.3F2	559
Metal Weights , Determination of 2402.4A	447
Methods and Equipment 1805	85
Metric, Metric System , definition of, 1101, 1103	4, 12
Mill Pavement Surface 2232	200
Mineral Filler 3145	836
Minor Concrete Structures 2411	475
Mixers (bituminous) 2331.3C	246
Mixers (concrete) 2461.4C2	532
Mobilization 2021	111
Monuments , Precast Concrete 3667	952
Mortar (for stone masonry) 2506.2B	613

Mortar Sand 3128	811
Motor Grader, Rental of 2123.3A	164
Mowing 2575.3L	784
Muck Excavation, Classification of 2105.2A3	137
Mulching 2575.3F	778
Mulch Material 3882	1068

N

Native Grasses 3876.2B	1040
Natural Material Sources 1602	55
Navigable Waterways 1709	69
Non-Metallic Conduit 3803	979
Nonreinforced Concrete Pipe 3253	863
Notice to Proceed, Definition of	12
No Waiver of Legal Rights 1720	76

O

Obstructions, Removal of 2104	129
Oil, Concrete Treating 3917	1093
Opening Sections of the Project to Traffic 1715	74
Optimum Moisture, Definition of	12
Order or Notice, Service of 1808	91
Order of Supersedence: Specifications, Plans, Special Provisions 1504	41
Overhead Light Cable 3815	989

P

Paint

Alkyd

Semi-Gloss Finish Paint 3537	937
Silicone Alkyd Finish Paint 3535	936

Basic Requirements for Ready-Mixed Paints and Enamels 3501	925
---	-----

Bridge Paint

Aluminum, Finish Coat, Ready-Mixed 3528	935
Black, Finish Coat 3526	934

Enamel

General Purpose, Black 3551	938
Equipment, Orange 3561	939
Exterior, Dark Green 3552	938
Exterior, Light Green 3553	939
Sign, Black, Low Gloss 3573	940
Sign, Interstate Green 3574	941
Sign, White 3571	939
Sign, Yellow 3572	940

Epoxy Zinc-Rich Paint System 3520

Exterior Paint

General Purpose White 3531	936
Light Stone 3534	936
Interior Shop Paint, Gray 3541	937
Masonry Acrylic Emulsion Paint 3584	941

Primer Paints

Equipment, Brown 3511	928
Metal Sign (Air Dry, Commercial) Yellow 3514	928
Steel (Free of Lead etc.) 3507	927

Steel, Zinc Hydroxy Phosphite (Free of Toxic Pigments) 3508	927
Silicone Alkyd Finish Paint 3535	936
Water-Based Inorganic Zinc-Rich Primer 3518	928
Vehicles, Paint and Enamel 3501	925
Painting	
Painting Metal Structures 2476	576
Shop or Field Applied Epoxy Zinc-Rich Paint System 2478	582
Steel Field Painting 2402.3L	446
Steel Piles 2452.3J	511
Structural Metals Painting 2471.3L3	566
Paper, Waterproof Curing 3752	977
Partial Payments 1906	106
Patented Devices, Materials, and Processes 1703	63
Pavement Marking Removal 2102	125
Pavement.	
Marking Tape 3353	888
Concrete 2301	203
Plant Mixed Bituminous 2331	244
Plant Mixed Bituminous (QC/QA) 2340	279
Removal of 2104	129
Structure, Definition of	16
Payment.	
Assignment of 1909	109
Extra Work, for 1904	102
Final 1908	108
Increased or Decreased Quantities, for 1903	101
Partial 1906	106
Reduction Factors, Aggr. & Bit., Table 2211-C, 2331.3H1c, 2331.3H2 ..	194, 269, 270
Scope of 1902	100
Pay Item, Definition of	13
Payment for Surplus Materials 1907	107
Peat Moss 3880	1066
Pedestrian Push Buttons and Signals 3833	1006
Pedestrian Signal Faces 3835	1017
Pentachlorophenol Preservative Solution (see Preservative)	
Perforated Drain Pipe 2502	602
Permanent Barricades 2554.4B	678
Permits, Licenses, and Taxes 1702	63
Personal Liability of Public Officials 1719	76
Photoelectric Control 3812	987
Piling 2452	500
Concrete, Cast-in-Place 2452.3D6	507
Concrete, Steel Shells for 3371	895
Cut-off 2452.3F	510
Delivery and Inspection of 2452.3A	500
Disposal of Cut-offs 2452.3G	511
Driving 2452.3D	503
Driving Caps 2452.3C3	502
Equipment for Driving 2452.3C	501
Extensions and Splices 2452.3H	511
Foundation 2452.3D4	507
Hammers 2452.3C1	501
Handling Transportation and Storage 2452.3B	501
Jetting and Preboring 2452.3D1	504
Load Tests 2452.3D3	505
Painting (steel piles) 2452.3J	511

Penetration and Bearing 2452.3E	522
Steel 3372	898
Steel Sheet 3373	898
Test Piles 2452.3D2	504
Timber Piling (See Timber) 3471	917
Treatment of Wood Piling (see Preservative)	
Trestle 2452.3D5	507
Pipe Culverts, see also Culvert 2501	596
Pipe Bedding, Classes 2451.3C	494
Arch Pipe (CSP-A), Size Defined 3226.1	847
Pipe Materials, for Culverts, Sewers, Drains (Plant-fabricated)	
Aramid-Bonded Corrugated Steel 3228	850
Bituminous Coated Corrugated Metal 3227	849
Clay 3251	863
Corrugated Aluminized Steel Pipe (Type 2) 3222	846
Corrugated Aluminum 3225	846
Corrugated Polyethylene Pipe 3247	863
Corrugated Polyethylene Tubing (Drains) 3278	864
Corrugated Steel 3226	847
Miscellaneous Uses,	
Cast Iron Soil Pipe 3252	863
Cast Iron Water Pipe 3365	895
Copper Water Tubing 3366	895
Structural Steel Pipe 3362	894
Wrought Steel Pipe 3364	895
Nonreinforced Concrete (Sewer and Drain) 3253	863
Plastic Truss (Sewer Pipe) 3241	862
Polymeric Coated Corrugated Steel 3229	851
Reinforced Concrete 3236	853
Structural Plate Pipe	
Corrugated Aluminum 3233	852
Corrugated Steel 3226	847
Thermoplastic 3245	862
Pipe Railing, Aluminum Tube for 3363	895
Pipe Railing, Structural Steel 3362	894
Pipe Sewers 2503	608
Plank, Wood (See Timber Materials)	
Plan Quantity (P) 1901, 2451.4, 2451.5	94, 496, 498
Plans,	
Alteration of 1402	29
Conformity with, and Specifications 1503	40
Coordination of, with Specifications 1504	41
Definition of	13
Examination of 1205	20
Falsework (bridge) 2401.3B	403
Form (bridge) 2401.3B	403
Intent of 1401	28
Plans and Working Drawings 1502	40
Plant	
Establishment Period 2571.3M	749
Inspection-Commercial Facility 1604	59
Installation 2571	732
Stock 3861	1036
Plant-Mixed	
Asphalt Pavement 2350	294
Bituminous Pavement 2331	244

Bituminous Pavement (Superpave) 2360	353
Bituminous Pavement QC/QA 2340	279
Superpave 2360	353
Planting Season, Seeding 2575.3D	775
Plastic Curing Blankets 3756	978
Plastic Truss Pipe 3241	862
Plates, Standard (See Supplemental Drawings)	
Pneumatic-Tired Roller, Rental of 2123.3G.	165
Polyethylene Drainage Tubing 3278	864
Polymeric Coated Corrugated Steel Pipe 3229	851
Polypropylene Plastic Netting 3883	1070
Polystyrene (Insulation Board) 3760	978
Portland Cement 3101	801
Portland-Pozzolan Cement 3103	801
Posts,	
Fence, Rolled Steel 3403	910
Fence, Structural Steel 3406	910
Fence, Treated Wood 3413	913
Guardrail, Wood 3412	911
Sign, Flanged Steel Channel 3401	908
Power Shovel, Rental of 2123.3E	164
Precast Concrete,	
Box Culverts 2412, 3238	478, 859
Monuments 3667	952
Median Barriers 2533, 3630	641, 949
Concrete Masonry Units 3621	947
Nonreinforced Concrete Pipe 3253	863
Reinforced Concrete Cribbing 3661	949
Reinforced Concrete Pipe 3236	853
Sectional Concrete Manhole/Catch Basin Units 3622	948
Preformed	
Elastomeric Compression Joint Seals for Concrete 3721	958
Gasket Seals for Concrete Pipe 3726	968
Joint Filler 3702	954
Plastic Markings for Permanent Traffic Lane, Delineation and Legends 3354	889
Premolded Asphalt Plank 3204	846
Preparation of Proposal 1206	21
Prequalification of Bidders 1201	19
Preservation of Historical Objects 1406	35
Preservative Materials/Treatment, Wood/Timber 3491	919
Ammoniacal Copper Arsenate 3491.2A2c	920
Chromated Copper Arsenate 3491.2A2d	920
Creosote Oil 3491.2A2a	920
Pentachlorophenol Solution 3491.2A2b	920
Treatment of 3471.2C	921
Prestressed Concrete Beams 2405	465
Primer Paints (see Paint)	
Prime Coat, Bituminous 2358	351
Primer,	
Equipment, Brown 3511	928
Metal Sign (Air Dry, Commercial) 3514	928
Steel,(Free of Lead) 3507	927
Steel, Zinc Hydroxy Phosphite 3508	927
Progress Schedule 1803.1.	79

Profile Grade , Definition of	13
Project Engineer , Authority and Duties of 1509	46
Proposal	
Definition of	14
Form, Contents of 1202	19
Form, Definition of	14
Forms, Issuance of 1203	19
Guaranty, Character and Amount of 1208	22
Guaranty, Definition of	14
Guaranty, Return of 1304	26
Preparation of 1206	21
Proposal Quantity (See Bid Schedule)	
Proposals ,	
Combination or Conditional 1211	23
Consideration of 1301	25
Delivery of 1209	22
Irregular 1207	22
Public Opening of 1212	24
Rejection of 1301	25
Withdrawal or Revision of 1210	23
Progress , Failure to Maintain Satisfactory 1804	85
Progress Schedule 1803.1	79
Prosecution	
Control 1803.2	80
of Work 1803	79
Protection and Restoration of Property and Landscape 1712	72
Protection , Forest 1713	72
Protective Services and Devices (Railroad Work) 1708	65
Public	
Convenience and Safety 1707	65
Officials, Personal Liability of 1719	76
Opening of Proposals 1212	24
Utilities (See Utility Property and Service)	
Pullbox Installation 2565.3E	717

Q

Qualification (See Certification)	
Qualifications of Works 1802	79
Quality Control / Quality Assurance Plant Mixed Bituminous Pavement 2340	79
Quality of Materials 1601	55
Quantities ,	
Alterations in 1402	29
Compensation for Increased or Decreased 1903	101
Measurement of 1901	94
in Bid Schedule, Interpretation of 1204	19
Questionnaire , Definition of	14

R

Radio Frequency (RF) Transmission Cable (COAX) 3815	989
Railing , Aluminum Tube for Pipe 3363	895
Railroad-Highway Provisions 1708	65
Railroad Liability Insurance 1708.2	66
Railroads , Work on Right of Way of 1708.1	66
Random Sampling Gradation Acceptance Method Aggregates 2211.3F	191
Ramp , Definition of	14

Ready-Mixed Concrete 2461.4D	534
Recycled Bituminous 2331	244
ReflectORIZED Pavement Marking Tape 3353	888
Regulations, Federal 1705	64
Reinforced Concrete	
Cribbing 3661	949
Pipe 3236	853
Reinforcement Bars 2472.4A, 3301	574,865
Weight of Bars 2472.4A	574
Reinforcement, Metal	
Bars 3301	865
Steel Fabric 3303	866
Steel Strands for Prestressed Concrete 3348	881
Wire Ties for Reinforcement 2472.3C1	571
Removable Preformed Plastic	
Pavement Markings (Traffic Lane Delineation and Legends) Construction 2581 ...	799
Materials 3355	891
Removal of Old Bridges 2442	487
Removing Pavement and Miscellaneous Structures 2104	129
Rental Equipment 2123	163
Requirement of Contract Bond 1305	26
Responsibility for Damage Claims 1714	73
Restoration of Surface Opened by Permit 1704	63
Restrictions on Movement of Heavy Loads and Equipment 1513	49
Retaining Walls (See Minor Concrete Structures)	
Return of Proposal Guaranty 1304	26
Revet Mattress 3602	944
R F Transmission Cable (COAX) 3815	989
Right of Way,	
Definition of	14
Furnishing (for Construction) 1718	76
Rigid Steel Conduit 3801	979
Riprap	
also see Gabions 2511	620
Materials 2511, 3601	620, 942
Road, Definition of	15
Roadbed, Definition of	15
Road-Mixed Bituminous Surface 2321	236
Roadway	
Definition of	15
Excavation and Embankment 2105	137
Rock Excavation, Classification of 2105.2A	137
Rods, Anchor 3385	903
Rolling, Test 2111	157
Rotary Tiller, Rental of 2123.3L	165
Rubber Gaskets for Concrete Pipe 3726	968

S

Safety and Convenience, Public 1707	65
Safety Switch 3837	1022
Salt (Sodium Chloride) 3910	1092
Samples, Tests, Specifications, Acceptance 1603	57
Sandbags 3893	1087
Saturated Fabric for Waterproofing 3201	846
Schedule,	

Erosion Control 1803.5	81
Progress 1801	78
Scope of Payment 1902	100
Seal Coat, Bituminous 2356	343
Sectional Concrete Manhole/Catch Basin Units 3622	948
Seed 3876	1039
Introduced Grasses 3876.2C	1042
Introduced Legumes 3876.2D	1042
Native Forbs (Wildflowers) 3876.2E	1042
Native Grasses 3876.2B	1040
Seed Mixtures 3876.2F	1045
Seeding (See Turf Establishment)	
Sediment (See Erosion & Vegetation)	
Selected Material, Structural Backfill 2451.3D	495
Service of Order or Notice 1808	91
Service Equipment 3837	1022
Seven-Wire Strand for Prestressed Concrete 3348	881
Sewer	
Brick (Clay) 3612	946
Brick (Concrete) 3616	947
Joint Sealing Compound (Hot-Poured) 3724	966
Pipe Materials (See Pipe Materials)	
Pipe 2503	608
Removal of 2104.3B, 2104.5	130, 135
Sheet	
Brass 3331	880
Copper 3332	880
Lead 3335	880
Metal Products 3351	882
Piling, Steel 3373	898
Shop Drawings 2471.3B	548
Shoulders, Definition of	15
Shouldering, Earth 2120	162
SI (International System of Units), Metric 1101.2	12
Sidewalks, (See Walks)	
Sidewalks, Removal of 2104, 2104.5	129, 135
Sieve, Definition of	15
Sign, (See Traffic Signs/Devices)	
Control Cable 3815	989
Enamel (See Paint)	
Signs and Markers 3352	884
Signal	
Cable, Traffic 3815	989
Faces, Pedestrian 3835	1017
Faces, Vehicle 3834	1007
Highway-Railroad Grade Crossing 2560	686
Mast Arm Pole Standards and Luminaires 3831	1002
Pedestal, Traffic 3832	1004
Pedestrian Push Buttons and Signs 3833	1007
Traffic Control 2565	707
Vehicle Signal Faces 3834	1006
Wood Poles 3840	1027
Silt	
Curtain, Flotation 3887	1080
Fence 3886	1077
Slope Paving 2514	626

Sod 3878	1062
Sodding (See Turf Establishment)	
Soil Bioengineered Systems 2577	793
Soil-Cement Base 2206	176
Source of Supply and Quality 1601	55
Special Provisions , Coordination of, with Plans and Specifications 1504	41
Definition of	15
Examination of 1205	20
Where Found 1205	20
Specified Completion Date , Definition of	15
Specimen Tree , Definition of	16
Spiral Reinforcement 3305	866
Stabilizing Aggregate 2105.3G, 3149.2C	148, 840
Stainless Steel 3312	869
Stainless Steel Clad Plate 3340	881
Stakes , Construction 1508	45
Standard Plates (See Supplemental Drawing)	
Standards	
Light (Installation) 2545	647
Light (Material) 3811	984
State , Definition of	16
Steel Bridge Construction 2402	438
Bearing Assemblies and Hangers 2402.3J	445
Expansion Joint Devices 2402.3K	446
Falsework Design and Construction 2402.3D	438
Field Fit-up 2402.3F	439
Field Painting 2402.3L	446
Handling and Storage of Materials 2402.3B	438
High Strength Structural Steel 3309	868
Permanent Connections 2402.3G	441
Preparation and Erecting 2402.3E	439
Setting Anchor Bolts 2402.3H	445
Straightening Bent Material 2402.3C	438
Steel	
Fabric 3303	866
Forgings 3315	871
General Requirements for Structural 3308	867
Cold Finished Bar 3314	870
Forged 3315	871
Hot Rolled Bar 3313	869
Low Alloy, Structural Corrosion Resistant, 3309	868
Manganese Vanadium, High Strength 3310	868
Piling 3372	898
Reinforcement (See Reinforcement, Metal)	
Sheet Piling 3373	898
Shells for Concrete Piling 3371	895
Stainless 3312	869
Stainless, Clad Plate 3340	881
Strand for Prestressed Concrete 3348	881
Structural, Low Carbon 3306	866
Wheeled Roller, Rental of 2123.3J	165
Stockpiled Aggregates 1911	109
Storage of Materials 1606	61
Street , Definition of	16
Structural	
Bolts (See Fasteners)	

Concrete 2461	516
Metal Fence Posts 3406	910
Metals 2471	546
Plate Arches (See Pipe Culverts)	
Plate Beam Guardrail 3382 (See Traffic Barriers)	901
Plate Culverts (See Pipe Culverts)	
Plate, Aluminum Alloy (for Pipe, Pipe-Arches, and Arches) 3233	852
Plate, Galvanized Steel (for Pipe, Pipe-Arches, and Arches) 3231	851
Steel, Low Carbon 3306	866
Steel Pipe 3362	894
Timber (See Timber)	
Structure Excavations and Backfills 2451	489
Backfilling Excavations 2451.3D	495
Classification of Materials 2451.3B2	492
Excavating 2451.3B	492
Foundation Preparations 2451.3C	494
General Requirements 2451.3A	490
Renovation 2433	483
Surplus Materials, Disposal of 2451.3E	496
Structures,	
Definition of	16
Minor Concrete 2411	475
Miscellaneous, Removal of 2104	129
Subcontractor, Definition of	16
Subgrade,	
Definition of	16
Excavation, Classification of 2105.2A	137
Preparation 2112	159
Stabilization 2105.3G	148
Subletting of Contract 1801	78
Substitute Materials 1605	60
Substructure, Definition of	16
Subsurface Drains 2502	602
Sundays, Work on 1803.3	80
Superintendent, Definition of	16
Superpave Hot Mix Asphalt (Type SP) 2360	353
Compensation 2360.8	400
Basis of Payment 2360.8A	400
Description 2360.1	353
Materials 2360.2	354
Method of Measurement 2360.7	400
Mixture Design 2360.3	362
General 2360.3A	362
Documentation 2360.3E	365
HMA Paving Recommendations 2360.3F	367
Laboratory Mixture Design (Option 1) 2360.3B	362
Laboratory Mixture Design/Initial Production Test Strip Verification (Option 3) 2360.3D	364
Produced Mixture Design (Option 2) 2360.3C	363
Mixture Quality Management 2360.4	368
Corrective Action 2360.4K	378
Contractor's Quality Control 2360.4C	369
Control Limits 2360.4H	377
Documentation (Control Charts) 2360.4G	377
Documentation (Records) 2360.4F	376
Failing Materials 2360.4L	380
JMF Adjustment 2360.4J	378

Production Tests 2360.4E	371
Quality Control 2360.4A	368
Quality Assurance (QA) 2360.4B, 2360.4M	369, 381
Sampling and Testing 2360.4D	370
Verification Testing 2360.4N	382
Warning Bands 2360.4I	378
Pavement Density 2360.5	385
General 2360.5A	385
Maximum Density Method 2360.5B	385
Ordinary Compaction 2360.5C	390
Thickness and Surface Smoothness Requirements 2360.6	393
General 2360.6C	394
Surface Requirements 2360.6B	393
Thickness 2360.6A	393
Superstructure , Definition of	16
Supervision by Contractor 1506	42
Supplemental	
Agreement, Definition of	17
Drawings, Definition of	17
Specifications, Definition of	17
Surety , Definition of	17
Surface ,	
Road Mixed Bituminous 2321	236
Surplus Materials , Payment for 1907	107
Suspension of Work 1501	39

T

Tack Coat, Bituminous 2357	349
Tamping Roller , Rental of 2123.3H	165
Taxes, Permits, and Licenses 1702	63
Telephone Cable 3815	989
Temporary	
Ditch Checks 3889	1083
Erosion Control 2573	765
Lane Markings 2580	798
Reflectorized Pavement Marking Tape 3353	888
Termination of Contract 1808	91
Test	
Piles 2452.3D2	504
Rolling 2111	157
Tests	
Material 1603	57
Pile Load 2452.3D3	505
Thermoplastic Pipe 3245	862
Tile , Drain 3276	864
Timber Bridge Construction 2403	449
Bracing 2403.3J	452
Bridging 2403.3K	452
Caps 2403.3H	452
Field Treatment 2403.3E	451
Flashing 2403.3P	454
Floors, Laminated 2403.2F, 2403.3N	450, 453
Floors, Plank 2403.2F	450
Framing 2403.3D	451
Handling and Storage 2403.3C	451

Hardware 2403.2J, 2403.3S	452, 454
Materials for 2403.2	449
Piling 2403.3F	452
Railings 2403.3R	454
Sills 2403.3G	452
Stringers 2403.3K	452
Subfloor, Plank 2403.2D	450
Timber, Disposal of 2101.3D, 2104.3C	122,133
Timber Materials,	
Lumber for Forms and Falsework 2401.3B1c	404
Lumber 3457	915
Piling 3471	917
Plank for Wearing Course 3462	916
Plank Subfloor (bridge) 2403.2F	450
Structural Timber 3426	914
Wood Fence Posts, Treated 3413	913
Wood Fiber Blanket 3885	1073
Wood Guardrail Posts 3412	911
Wood Poles (Traffic Signals) 3840	1027
Time Extension 1806.2	89
Tolerance 1503	40
Topsoil Borrow 3877	1060
Tractor, Rental of 2123.3F	165
Traffic	
Barriers 2554	676
Control Devices 1710	69
Control Signals 2565	707
Lane, Definition of	17
Maintenance of 1404, 1514, 1710, 1803.3	33, 49, 69, 80
Management System - Materials	
Buried Cable Signs 3973	1095
Management System 2550	661
Cable Installation 2550.3A	666
Cabinet Installation 2550.3B	688
Signal Cable 3815	989
Signals, Installation of 2565.3	710
Pedestrian Push Buttons and Signs 3833	1006
Signs and Devices 2564 (See Sign)	689
Concrete Structures 2564.3B	692
Delineators 2564.4K	703
Extend Walkway Support 2564.3Q	700
Flanged Channel Sign Post 2564.3F	695
Friction Fuse 2564.3R	700
Install Sign Panel Type 2564.3L	698
Install Sign Type 2564.3M	698
Keeper Plate 2564.3S	700
Modify Post 2564.3G	695
Overhead Sign Identification Plate 2564.3P	699
Overhead Sign Structure Repair 2564.3D	693
Saw Sign Panels 2564.3J	697
Scheduling of Work 2564.3	691
Structural Steel 2564.3E	694
Sign Legend Revision 2564.3N	699
Sign Panel Overlays 2564.3K	697
Sign Panels 2564.3H	696
Sign Support 2564.3C	693

Traffic Control 2564.3T	700
Transit Mixing (Concrete) 2461.4D5c	537
Traveled Way , Definition of	17
Trees ,	
Materials 3861	1036
Planting 2571	732
Protection 2031.2, 2101.3	112,121
Trucks , Rental of 2123.3K	165
Tubing , Corrugated Polyethylene 3278	864
Turf (see Erosion & Vegetation)	
Establishment 2575	773
Turn Lane , Definitions of	18

U

Unacceptable Materials 1608	62
Unacceptable and Unauthorized Work 1512	48
Underdrains 2502	602
Underground Cable	
Armored (Butyl) 3815	989
Armored (Polyethylene) 3815	989
Use of	
Explosives 1711	71
Materials Found on the Project 1405	35
Utility Property and Service 1507	43

V

Value Engineering Incentive 1408	36
Vegetation (also see Erosion)	
Erosion Control Blankets 3885	1073
Erosion Control Netting 3883	1070
Erosion Stabilization Blanket 3888	1082
Fiber Log 3895	1088
Protection and Restoration of Vegetation 2572	759
Sediment Mat 3894	1088
Sandbags 3893	1087
Temporary Downdrain 3892	1087
Temporary Erosion Control 2572	759
Turf Establishment Blanket 3883	1070
Turf Establishment 2575	773
Mulching 2575.3F	778
Seed Placement 2575.3D	775
Seedbed Firming 2575.3E	778
Seeding, Season of Planting 2575.3D	775
Sodding 2575.3J	780
Soil Preparation 2575.3B	774
Vehicle Signal Faces 3834	1007
Vehicles	
Licensing of (See Permits, Licenses, and Taxes) See Cab Card	
Pilot 1710.2	69
Video Cable 3815	989

W

Walks 2521	632
Walls	
Crib 2422	481

Retaining (See Minor Concrete Structures)	
Water	
Application on Road 2130	167
for Concrete and Mortar 3906	1091
Air and Land Pollution 1717	75
Waterproof Curing Paper 3752	977
Waterproofing 2481	593
Asphalt for 3166	845
Asphalt Primer for 3165	845
Saturated Fabric for 3201	846
Wearing Course,	
Aggregate 2118	161
Bituminous (See Bituminous Surfacing & Pavement)	
Plank for 3462	916
Weed Spraying 3575.3L	784
Welders, Qualification of 2471.3F3a	559
Wells, Abandoned 2104.3B	130
Wildflowers 3876.2E	1042
Winter Suspension 1404.7	34
Wire Materials,	
Fence, (see Fence)	
Rope, Guardrail 3381	901
Strand for prestressed concrete 3348	881
Wiring, Electrical 3815	989
Withdrawal or Revision of Proposals 1210	23
Wood (see Timber)	
Fence Posts (Treated) 3413	913
Guardrail Posts 3412	911
Poles 3840	1027
Work	
Acceptance of 1516	50
Contractor's Responsibility for 1716	74
Definition of	18
Elimination of 1905	105
Examination of Site of 1205	20
Extra, Payment for 1904	102
Extra, Scope of 1403	32
Order, Definition of	18
Prosecution of 1803	79
Railroad Right of Way, on 1708	65
Resumption of 1803.4	81
Sunday and Holiday 1803.3	80
Temporary Suspension of 1803.4	81
Unacceptable or Unauthorized 1512	48
Workmanship 1401, 1501, 1512	28, 39, 48
Working	
Day, Definition of	18
Days, Computation of 1806.1	86
Drawings, Definition of	18
Hours 1803.3, 2123.4	80, 166
Wrought and Extruded Aluminum 3336	880
Wrought Bronze Plates 3325	878
Wrought Steel Pipe 3364	895

X, Y, Z