

**Michigan Department of Transportation - Buy America Requirements**  
**Pay Items and Materials that Require Step Certification**  
(effective for projects let on and after November 2, 2012)

**The following notes apply in addition to the standard pay items listed below:**

1. The following items must meet Buy America and require step certification documentation:
  - High Strength Bolts
  - A325 Bolts
  - Precast Culverts less than 20 feet
  - MSE Wall Precast Panels
  - Soundwall Precast Panels
  - Spun Concrete Poles
  
2. Any new or modified pay items similar to the items listed below or described above require Buy America step certification.
  
3. All non-standard pay items covered by a special provision (unless identified in note 1 or 2) that contain steel/iron material and/or components do not require Buy America step certification unless required in the contract documents.
  
4. Buy America certification of any kind is not required for products that do not contain any steel/iron. For example, if a plastic product is selected (e.g. PVC pipe used for conduit of any kind, plastic detectable warning ramp, etc.) then Buy America certification is not applicable.

| Item Code(s)      | Pay Unit | Description                                |
|-------------------|----------|--|
| 4010012 - 4010036 | Ea       | Culv End Sect, ___ inch                    |
| 4010047 - 4010061 | Ea       | Culv End Sect, Conc, ___ inch              |
| 4010072           | Ea       | Culv End Sect, Footing                     |
| 4010083           | Lb       | Culv End Sect, Grate                       |
| 4010094 - 4010108 | Ea       | Culv End Sect, Metal, ___ inch             |
| 4010131 - 4010154 | Ft       | Culv, CI A, ___ inch                       |
| 4010165 - 4010188 | Ft       | Culv, CI A, Conc, ___ inch                 |
| 4010199 - 4010222 | Ft       | Culv, CI A, CSP, ___ inch                  |
| 4010233 - 4010256 | Ft       | Culv, CI B, ___ inch                       |
| 4010267 - 4010290 | Ft       | Culv, CI B, Conc, ___ inch                 |
| 4010301 - 4010324 | Ft       | Culv, CI B, CSP, ___ inch                  |
| 4010335 - 4010358 | Ft       | Culv, CI C, ___ inch                       |
| 4010369 - 4010392 | Ft       | Culv, CI C, Conc, ___ inch                 |
| 4010403 - 4010426 | Ft       | Culv, CI C, CSP, ___ inch                  |
| 4010437 - 4010460 | Ft       | Culv, CI D, ___ inch                       |
| 4010471 - 4010494 | Ft       | Culv, CI D, Conc, ___ inch                 |
| 4010505 - 4010528 | Ft       | Culv, CI D, CSP, ___ inch                  |
| 4010539 - 4010562 | Ft       | Culv, CI E, ___ inch                       |
| 4010573 - 4010596 | Ft       | Culv, CI E, Conc, ___ inch                 |
| 4010607 - 4010630 | Ft       | Culv, CI F, ___ inch                       |
| 4010641 - 4010664 | Ft       | Culv, CI F, Conc, ___ inch                 |
| 4010675 - 4010698 | Ft       | Culv, CI F, CSP, ___ inch                  |
| 4010709 - 4010732 | Ft       | Culv, CI IV, ___ inch, Jacked in Place     |
| 4010743 - 4010758 | Ft       | Culv, CSP Arch, CI A, ___ inch by ___ inch |

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| 4010769 - 4010784 | Ft       | Culv, CSP Arch, CI F, ___ inch by ___ inch                                      |
| 4010795 - 4010798 | Ft       | Culv, Downspout, ___ inch   |
| 4010809 - 4010821 | Ft       | Culv, Reinf Conc Ellip, HE CI A, ___ inch by ___ inch                           |
| 4010832 - 4010844 | Ft       | Culv, Reinf Conc Ellip, HE CI I, ___ inch by ___ inch                           |
| 4010855 - 4010867 | Ft       | Culv, Reinf Conc Ellip, HE CI II, ___ inch by ___ inch                          |
| 4010878 - 4010890 | Ft       | Culv, Reinf Conc Ellip, HE CI III, ___ inch by ___ inch                         |
| 4010901 - 4010906 | Ft       | Culv, Reinf Conc Ellip, HE CI IV, ___ inch by ___ inch                          |
| 4010917 - 4010938 | Ea       | Culv, Slp End Sect, 1 on 4, ___ inch, Longit or Transv                          |
| 4010949 - 4010970 | Ea       | Culv, Slp End Sect, 1 on 6, ___ inch, Longit or Transv                          |
| 4010981 - 4011038 | Ea       | Culv, Slp End Sect, Arch Pipe, 1 on __, ___ inch by ___ inch, Longit or Transv  |
| 4011049 - 4011098 | Ea       | Culv, Slp End Sect, Ellip Pipe, 1 on __, ___ inch by ___ inch, Longit or Transv |
| 4011120 - 4011173 | Ft       | Steel Casing Pipe, ___ inch, Jacked in Place                                    |
| 4011135 - 4011175 | Ft       | Steel Casing Pipe, ___ inch, Tr Det _   |
| 4020001 - 4020146 | Ft       | Sewer, CI A, ___ inch, Tr Det _   |
| 4020150 - 4020296 | Ft       | Sewer, CI B, ___ inch, Tr Det _   |
| 4020300 - 4020446 | Ft       | Sewer, CI C, ___ inch, Tr Det _   |
| 4020450 - 4020593 | Ft       | Sewer, CI D, ___ inch, Tr Det _   |
| 4020600 - 4020713 | Ft       | Sewer, CI E, ___ inch, Tr Det _   |
| 4020720 - 4020833 | Ft       | Sewer, CI II, ___ inch, Tr Det _  |
| 4020840 - 4020953 | Ft       | Sewer, CI III, ___ inch, Tr Det _   |
| 4020960 - 4021073 | Ft       | Sewer, CI IV, ___ inch, Tr Det _  |
| 4021080 - 4021133 | Ft       | Sewer, CI V, ___ inch, Tr Det _   |
| 4021175 - 4021181 | Ft       | Sewer, CI IV, ___ inch, Jacked in Place   |
| 4021190 - 4021196 | Ft       | Sewer, CI V, ___ inch, Jacked in Place  |
| 4021280 - 4021455 | Ft       | Sewer, Reinf Conc Ellip, HE CI __, ___ inch by ___ inch, Tr Det _               |
| 4030010 - 4030090 | Ea       | Dr Structure Cover, Type __   |
| 4030200 - 4030230 | Ea       | Dr Structure, ___ inch dia  |
| 4030240 - 4030270 | Ft       | Dr Structure, Add Depth of ___ inch dia, 8 foot to 15 foot                      |
| 4030241 - 4030271 | Ft       | Dr Structure, Add Depth of ___ inch dia, more than 15 foot                      |
| 4030280           | Ft       | Dr Structure, Adj, Add Depth  |
| 4030395 - 4030396 | Ea       | Drop Inlet, Type _  |
| 4030401 - 4030502 | Ea       | Mh Base, ___ inch, Type _   |
| 4030505           | Ft       | Mh Riser  |
| 4030542 - 4030908 | Ea       | Mh, Precast Tee, CI __, ___ inch  |
| 4060100 - 4060153 | Ft       | Culv, Precast Conc Box, ___ foot by ___ foot                                    |
| 4060200 - 4060252 | Ft       | Culv, Precast Three-Sided or Arch, ___ foot by ___ foot                         |
| 6020002 - 6020010 | Syd      | Conc Base Cse, Reinf, ___ inch  |
| 6020070 - 6020082 | Syd      | Conc Pavt, Misc, Reinf, ___ inch  |
| 6020120 - 6020132 | Syd      | Conc Pavt, Reinf, ___ inch  |
| 6020135           | Syd      | Conc Pavt, Reinf, 8 inch, Temp  |
| 6020150           | Syd      | Conc Pavt, Ovly, Finishing and Curing   |
| 6020151           | Cyd      | Conc Pavt, Ovly, Furnishing and Placing   |
| 6020155           | Syd      | Conc Pavt, Ovly, Misc, Finishing and Curing                                     |
| 6020156           | Cyd      | Conc Pavt, Ovly, Misc, Furnishing and Placing                                   |
| 6020180 - 6020192 | Syd      | Conc Pavt with Integral Curb, Reinf, ___ inch                                   |
| 6020200           | Ft       | Joint, Contraction, Cp  |
| 6020202           | Ft       | Joint, Contraction, C   |
| 6020203           | Ft       | Joint, Contraction, C2  |
| 6020204           | Ft       | Joint, Contraction, C3  |

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|-------------------|----------|---|
| 6020205           | Ft       | Joint, Contraction, C4  |
| 6020207           | Ft       | Joint, Expansion, E2  |
| 6020221           | Syd      | Shoulder, Freeway   |
| 6020223           | Syd      | Shoulder, Reinf Conc  |
| 6020250           | Ft       | Joint, Contraction Cp, Intersection                             |
| 6020270           | Ft       | Joint, Expansion E2, Intersection                               |
| 6020310           | Ft       | Joint, Plane-of-Weakness W, Intersection                        |
| 6020525           | Cyd      | Conc Pavt, Ovly, Furnishing and Placing, High Performance       |
| 6020526           | Cyd      | Conc Pavt, Ovly, Misc, Furnishing and Placing, High Performance |
| 6020527           | Syd      | Conc Pavt, Ovly, Finishing and Curing, High Performance         |
| 6020528           | Syd      | Conc Pavt, Ovly, Misc, Finishing and Curing, High Performance   |
| 6020600           | Syd      | Conc Pavt, Bridge Approach, Reinf                               |
| 6030020           | Ft       | Joint, Contraction, Crg   |
| 6030021           | Ft       | Joint, Expansion, Erg   |
| 6030022           | Ft       | Joint, Expansion, Esc   |
| 6030023           | Ft       | Joint, Tied, Trg  |
| 6030030           | Ea       | Lane Tie, Epoxy Anchored  |
| 6030031           | Ft       | Lane Tie, Epoxy Anchored  |
| 6030060 - 6030072 | Syd      | Pavt Repr, Reinf Conc, ___ inch                                 |
| 7040001           | Sft      | Steel Sheet Piling, Permanent                                   |
| 7040003           | Sft      | Steel Sheet Piling, Temp, Left in Place                         |
| 7040009           | LS       | Cofferdams, Left in Place                                       |
| 7050020           | Ft       | Pile, CIP Conc, Furn and Driven, 12 inch                        |
| 7050021           | Ea       | Test Pile, CIP Conc, 12 inch                                    |
| 7050022           | Ft       | Pile, CIP Conc, Furn and Driven, 14 inch                        |
| 7050023           | Ea       | Test Pile, CIP Conc, 14 inch                                    |
| 7050025           | Ea       | Pile Point, CIP Conc  |
| 7050026           | Ft       | Pile, CIP Conc, Furn and Driven, 16 inch                        |
| 7050027           | Ea       | Test Pile, CIP Conc, 16 inch                                    |
| 7050030           | Ft       | Pile, Steel, Furn and Driven, 12 inch                           |
| 7050031           | Ea       | Test Pile, Steel, 12 inch                                       |
| 7050034           | Ft       | Pile, Steel, Furn and Driven, 14 inch                           |
| 7050035           | Ea       | Test Pile, Steel, 14 inch                                       |
| 7050038           | LS       | Pile, Galv  |
| 7050039           | Ea       | Pile Point, Steel   |
| 7060030           | Ft       | Conduit, 3 inch   |
| 7060031           | Ft       | Conduit, 3 inch, Placed   |
| 7060032           | Ft       | Conduit, 4 inch   |
| 7060033           | Ft       | Conduit, 4 inch, Placed   |
| 7060040           | Ea       | Elec Grounding System   |
| 7060050           | Ft       | Expansion Joint Device  |
| 7060051           | Ft       | Expansion Joint Device, Cover Plate                             |
| 7060053           | Ft       | Expansion Joint System, Modular, 9 inch                         |
| 7060054           | Ft       | Expansion Joint System, Modular, 12 inch                        |
| 7060070 - 7060086 | Ea       | Pipe Sleeve, ___ inch   |
| 7060071 - 7060087 | Ea       | Pipe Sleeve, ___ inch, Placed                                   |
| 7060089           | Lb       | Reinforcement, Stainless Steel                                  |
| 7060090           | Lb       | Reinforcement, Steel  |
| 7060091           | Lb       | Reinforcement, Steel, Culv and Headwall                         |

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|-------------------|----------|---|
| 7060092           | Lb       | Reinforcement, Steel, Epoxy Coated                    |
| 7070040           | LS       | Shear Developers                                      |
| 7070050           | Lb       | Structural Steel, Mixed, Erect                        |
| 7070051           | Lb       | Structural Steel, Mixed, Furn and Fab                 |
| 7070060           | Lb       | Structural Steel, Plate, Erect                        |
| 7070061           | Lb       | Structural Steel, Plate, Furn and Fab                 |
| 7070070           | Lb       | Structural Steel, Rolled Shape, Erect                 |
| 7070071           | Lb       | Structural Steel, Rolled Shape, Furn and Fab          |
| 7070106 - 7070112 | Ft       | Expansion Joint System, Modular, _ inch               |
| 7080001 - 7080010 | Sft      | Prest Conc Deck, __ inch                              |
| 7080015           | LS       | Post Tensioning                                       |
| 7080021 - 7080040 | Ft       | Prest Conc I Beam, Furn, __ inch                      |
| 7080022 - 7080041 | Ft       | Prest Conc I Beam, Erect, __ inch                     |
| 7080051 - 7080095 | Ft       | Prest Conc Box Beam, Furn, __ inch                    |
| 7080052 - 7080096 | Ft       | Prest Conc Box Beam, Erect, __ inch                   |
| 7080101           | Ft       | Prest Conc 1800 Beam, Furn                            |
| 7080102           | Ft       | Prest Conc 1800 Beam, Erect                           |
| 7110003           | Ea       | Reflective Marker, Permanent Barrier                  |
| 7110005           | Ft       | Bridge Railing, Aesthetic Parapet Tube                |
| 7110006           | Ft       | Bridge Railing, Thrie Beam Retrofit                   |
| 7110008           | Ft       | Bridge Railing, 2 Tube                                |
| 7110010           | Ft       | Bridge Railing, 4 Tube                                |
| 7110021           | Ft       | Pipe Railing, Galv Steel                              |
| 7110030           | Ft       | Bridge Barrier Railing, Type 4, Modified              |
| 7110031           | Ft       | Bridge Barrier Railing, Type 5, Modified              |
| 7110032           | Ft       | Bridge Railing, Aesthetic Parapet Tube, Det 1         |
| 7110033           | Ft       | Bridge Railing, Aesthetic Parapet Tube, Det 2         |
| 7110034 - 7110040 | Ft       | Bridge Railing, Aesthetic Type __, Det __             |
| 7110035 - 7110041 | Ft       | Bridge Railing, Aesthetic Type __, Det __, Modified   |
| 7120040 - 7120044 | Ea       | Bolt, Adhesive Anchored, __ inch                      |
| 7120050 - 7120052 | Ea       | Bolt, Mechanical Expansion Anchored, __ inch          |
| 7120080           | Ea       | Bridge Joint, Revise Expansion Device                 |
| 7120081           | Ea       | Bridge Joint, Revise Compression Seal                 |
| 7120084           | Ea       | Reinforcement, Mechanical Splice                      |
| 7130060           | Lb       | Stiffeners, Furn, Fab, and Erect                      |
| 7130070           | Lb       | Structural Steel, Furn and Fab, Pin and Hanger        |
| 7130071           | Lb       | Structural Steel, Retrofit, Furn, Fab, and Erect      |
| 7130072           | Lb       | Structural Steel, Welded Repair, Furn, Fab, and Erect |
| 7170001 - 7170002 | Ea       | Drain Casting, Type _                                 |
| 7170010           | Ea       | Drain Casting Assembly                                |
| 7170065           | Ea       | Deck Drain, Extension                                 |
| 7170070           | Ea       | Downspout Replacement                                 |
| 7180036 - 7180072 | Ft       | Drilled Shaft, __ inch                                |
| 7180110           | Ft       | Permanent Casing                                      |
| 7180121           | Ft       | Temp Casing-Left in Place                             |
| 8010001 - 8010004 | Syd      | Driveway, Reinf Conc, _ inch                          |
| 8020001           | Ft       | Curb, Conc, Det E1                                    |
| 8020002           | Ft       | Curb, Conc, Det E2                                    |
| 8020004           | Ft       | Curb, Conc, Det E4                                    |

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|-------------------|----------|---|
| 8020005           | Ft       | Curb, Conc, Det G1                                |
| 8020006           | Ft       | Curb, Conc, Det G2                                |
| 8020010           | Ft       | Curb and Gutter, Bridge Approach                  |
| 8020015           | Ft       | Curb and Gutter, Conc, Det B1                     |
| 8020016           | Ft       | Curb and Gutter, Conc, Det B2                     |
| 8020017           | Ft       | Curb and Gutter, Conc, Det B3                     |
| 8020020           | Ft       | Curb and Gutter, Conc, Det C1                     |
| 8020021           | Ft       | Curb and Gutter, Conc, Det C2                     |
| 8020022           | Ft       | Curb and Gutter, Conc, Det C3                     |
| 8020023           | Ft       | Curb and Gutter, Conc, Det C4                     |
| 8020024           | Ft       | Curb and Gutter, Conc, Det C5                     |
| 8020025           | Ft       | Curb and Gutter, Conc, Det C6                     |
| 8020030           | Ft       | Curb and Gutter, Conc, Det D1                     |
| 8020031           | Ft       | Curb and Gutter, Conc, Det D2                     |
| 8020032           | Ft       | Curb and Gutter, Conc, Det D3                     |
| 8020035           | Ft       | Curb and Gutter, Conc, Det F1                     |
| 8020036           | Ft       | Curb and Gutter, Conc, Det F2                     |
| 8020037           | Ft       | Curb and Gutter, Conc, Det F3                     |
| 8020038           | Ft       | Curb and Gutter, Conc, Det F4                     |
| 8020039           | Ft       | Curb and Gutter, Conc, Det F5                     |
| 8020040           | Ft       | Curb and Gutter, Conc, Det F6                     |
| 8020045           | Ea       | Curb Nose   |
| 8020050           | Ft       | Driveway Opening, Conc, Det M                     |
| 8020055 - 8020057 | Ea       | Shoulder Gutter, Conc, Det _                      |
| 8020060           | Ft       | Valley Gutter, Conc                               |
| 8020065           | Sft      | Divider, Reinf Conc, Type I                       |
| 8020070           | Ea       | Downspout Header, Conc                            |
| 8020075           | Ft       | Spillway, Conc                                    |
| 8030010           | Ft       | Detectable Warning Surface                        |
| 8030020           | Ft       | Railing for Steps                                 |
| 8030100           | Cyd      | Steps, Conc                                       |
| 8040002           | Ft       | Conc Barrier, Single Face, Type B                 |
| 8040003           | Ft       | Conc Barrier, Single Face, Type C                 |
| 8040006           | Ft       | Conc Barrier, Double Face, Type B                 |
| 8040011           | Ft       | Conc Barrier, Split, Type B                       |
| 8040015           | Ft       | Glare Screen, Conc                                |
| 8040016           | Ft       | Glare Screen, Conc, Split                         |
| 8040020           | Ea       | Light Std Fdn, Conc Barrier                       |
| 8040026 - 8040027 | Ea       | Sign Support Fdn, Conc Barrier, Truss Type C or D |
| 8070000           | Ft       | Guardrail, Type B                                 |
| 8070001           | Ft       | Guardrail, Type BD                                |
| 8070002           | Ft       | Guardrail, Type T                                 |
| 8070003           | Ft       | Guardrail, Type TD                                |
| 8070010           | Ft       | Guardrail, Curved, Type B                         |
| 8070011           | Ft       | Guardrail, Curved, Type T                         |
| 8070015 - 8070017 | Ea       | Guardrail, Backed, Det G_                         |
| 8070020           | Ea       | Guardrail Anch, Bridge, Det A1                    |
| 8070021           | Ea       | Guardrail Anch, Bridge, Det A2                    |
| 8070022           | Ea       | Guardrail Anch, Bridge, Det T1                    |

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|--------------|----------|--|
| 8070023      | Ea       | Guardrail Anch, Bridge, Det T2                             |
| 8070024      | Ea       | Guardrail Anch, Bridge, Det T3                             |
| 8070025      | Ea       | Guardrail Anch, Bridge, Det T4                             |
| 8070026      | Ea       | Guardrail Anch, Bridge, Det T5                             |
| 8070027      | Ea       | Guardrail Anch, Bridge, Det T6                             |
| 8070030      | Ea       | Guardrail Anch, Bridge, Det T1, Temp                       |
| 8070031      | Ea       | Guardrail Anch, Bridge, Det T2, Temp                       |
| 8070032      | Ea       | Guardrail Anch, Bridge, Det T3, Temp                       |
| 8070033      | Ea       | Guardrail Anch, Bridge, Det T4, Temp                       |
| 8070035      | Ea       | Guardrail Anch, Median                                     |
| 8070036      | Ea       | Guardrail Anchored in Backslope, Type 4B                   |
| 8070037      | Ea       | Guardrail Anchored in Backslope, Type 4T                   |
| 8070038      | Ea       | Guardrail Approach Terminal, Type 3B                       |
| 8070039      | Ea       | Guardrail Approach Terminal, Type 3T                       |
| 8070040      | Ea       | Guardrail Approach Terminal, Type 1B                       |
| 8070041      | Ea       | Guardrail Approach Terminal, Type 1T                       |
| 8070042      | Ea       | Guardrail Approach Terminal, Type 2B                       |
| 8070043      | Ea       | Guardrail Approach Terminal, Type 2T                       |
| 8070045      | Ea       | Guardrail Approach Terminal, Type 1B, Temp                 |
| 8070046      | Ea       | Guardrail Approach Terminal, Type 1T, Temp                 |
| 8070047      | Ea       | Guardrail Approach Terminal, Type 2B, Temp                 |
| 8070048      | Ea       | Guardrail Approach Terminal, Type 2T, Temp                 |
| 8070050      | Ea       | Guardrail Departing Terminal, Type B                       |
| 8070051      | Ea       | Guardrail Departing Terminal, Type T                       |
| 8070055      | Ea       | Guardrail Departing Terminal, Type B, Temp                 |
| 8070056      | Ea       | Guardrail Departing Terminal, Type T, Temp                 |
| 8070065      | Ea       | Guardrail Buffered End                                     |
| 8070070      | Ea       | Guardrail Post, Culv                                       |
| 8070080      | Ea       | Guardrail Reflector  |
| 8070101      | Ea       | Guardrail Post, Furn and Install, 72 inch                  |
| 8070102      | Ea       | Guardrail Post, Furn and Install, 84 inch                  |
| 8070103      | Ea       | Guardrail Post, Furn and Install, 96 inch                  |
| 8070104      | Ft       | Guardrail, Reconst, Type A                                 |
| 8070105      | Ft       | Guardrail, Reconst, Type B                                 |
| 8070106      | Ft       | Guardrail, Reconst, Type BD                                |
| 8070107      | Ft       | Guardrail, Reconst, Type C                                 |
| 8070108      | Ft       | Guardrail, Reconst, Type CD                                |
| 8070109      | Ft       | Guardrail, Reconst, Type T                                 |
| 8070110      | Ft       | Guardrail, Reconst, Type TD                                |
| 8070202      | Ft       | Cable Barrier, High Tension, Reconst                       |
| 8070203      | Ft       | Cable Barrier, Furn and Install (CASS, 4:1 Slope)          |
| 8070204      | Ft       | Cable Barrier, Furn and Install (CASS, TL-4)               |
| 8070205      | Ea       | Cable Barrier Terminal, Furn and Install (CASS)            |
| 8070207      | Ft       | Cable Barrier, Furn and Install (Gibraltar, TL-4)          |
| 8070208      | Ea       | Cable Barrier Terminal, Furn and Install (Gibraltar, TL-4) |
| 8070210      | Ft       | Cable Barrier, Furn and Install (Brifen, TL-4)             |
| 8070211      | Ea       | Cable Barrier Terminal, Furn and Install (Brifen, TL-4)    |
| 8070213      | Ft       | Cable Barrier, Furn and Install (NuCable, 4:1 Slope)       |
| 8070214      | Ft       | Cable Barrier, Furn and Install (NuCable, TL-4)            |

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| 8070215           | Ea       | Cable Barrier Terminal, Furn and Install (NuCable)                    |
| 8070217           | Ft       | Cable Barrier, Furn and Install (Safence, TL-4)                       |
| 8070218           | Ea       | Cable Barrier Terminal, Furn and Install (Safence)                    |
| 8070221           | Ea       | Cable Barrier, High Tension, Line Post Fdn                            |
| 8070223           | Ea       | Cable Barrier, High Tension, End Term Fdn                             |
| 8070224           | Ea       | Cable Barrier, High Tension, Driven Socket                            |
| 8070230           | Ft       | Cable Barrier, High Tension, TL-4, 1:6 Slope                          |
| 8070231           | Ea       | Cable Barrier Terminal, High Tension, TL-4 Compatible, 1:6 Slope      |
| 8070240           | Ft       | Cable Barrier, High Tension, TL-3, 1:4 Slope                          |
| 8070241           | Ea       | Cable Barrier Terminal, High Tension, TL-3, 1:4 Slope                 |
| 8070250           | Ea       | Cable, 1000 ft Spool  |
| 8070251           | Ea       | Cable Barrier, Intermediate Line Post                                 |
| 8070252           | Ea       | Cable Barrier, Misc Hardware, Intermediate Line Post                  |
| 8070253           | Ea       | Cable Barrier, Modified Line Post and Hardware                        |
| 8070254           | Ea       | Cable Barrier, Socket, Conc Fdn                                       |
| 8070255           | Ea       | Cable Barrier, Driven Socket  |
| 8070256           | Ea       | Cable Barrier, Turnbuckle   |
| 8070259           | Ea       | Cable Barrier, Wedge Lock Fitting                                     |
| 8070260           | Ea       | Cable Barrier, Cable Splice Kit                                       |
| 8070261           | Ea       | Cable Barrier Terminal, Materials                                     |
| 8070262           | Ea       | Cable Barrier, High Tension, Repair Labor                             |
| 8070270           | Ea       | Cable Barrier, High Tension, Maintenance Kit                          |
| 8070300           | Ft       | Cable Barrier, Low Tension, Type M                                    |
| 8070301           | Ft       | Cable Barrier, Low Tension, Type R                                    |
| 8070302           | Ea       | Cable Barrier Terminal, Low Tension                                   |
| 8080001           | Ft       | Fence, Woven Wire with Wood Post                                      |
| 8080002           | Ft       | Fence, Woven Wire with Steel Post                                     |
| 8080003           | Ft       | Barbed Wire   |
| 8080005           | Ea       | Fence Gate, 12 foot, for Woven Wire                                   |
| 8080006           | Ea       | Fence Gate, 16 foot, for Woven Wire                                   |
| 8080010 - 8080017 | Ft       | Fence, Chain Link, ___ inch   |
| 8080020 - 8080067 | Ea       | Fence Gate, _ foot, for __ inch Chain Link Fence                      |
| 8080070 - 8080095 | Ft       | Fence, Chain Link, __ inch, with _ Strand of Barbed Wire              |
| 8080100           | Ft       | Fence, High Tensile Wire  |
| 8080110           | Sft      | Fence, Structure  |
| 8080130           | Ea       | Fence Post  |
| 8080140           | Ft       | Fence Material  |
| 8100020           | Ea       | Bridge Sign Connection, Bolt Replacement                              |
| 8100030 - 8100048 | Ea       | Bridge Sign Connection, Conc, Type _                                  |
| 8100060 - 8100069 | Ea       | Bridge Sign Connection, Steel, Type _                                 |
| 8100100 - 8100110 | Ea       | Cantilever, Type _  |
| 8100120           | Ea       | Column, Breakaway, W8 by 13   |
| 8100121           | Ea       | Column, Breakaway, W8 by 18   |
| 8100160           | Ea       | Fdn, Breakaway, W8 by 13  |
| 8100161           | Ea       | Fdn, Breakaway, W8 by 18  |
| 8100170 - 8100177 | Ft       | Fdn, Cantilever Sign Structure Type E, ___ inch Dia, Cased or Uncased |
| 8100178 - 8100185 | Ft       | Fdn, Cantilever Sign Structure Type J, ___ inch Dia, Cased or Uncased |
| 8100200 - 8100214 | Ea       | Fdn, Cantilever, Type __  |
| 8100250 - 8100257 | Ft       | Fdn, Truss Sign Structure Type E, ___ inch Dia, Cased or Uncased      |

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| Item Code(s)      | Pay Unit | Description   |
|-------------------|----------|---|
| 8100270           | Ea       | Fdn, Truss, Type C  |
| 8100271           | Ea       | Fdn, Truss, Type D  |
| 8100290           | Ea       | Glare Screen Connection, Conc                                 |
| 8100291           | Ea       | Glare Screen Connection, Conc, Perforated Steel Square Tube   |
| 8100304           | Ea       | Mast Arm  |
| 8100305           | Ea       | Mast Arm Std  |
| 8100306           | Ft       | Mast Arm Std Fdn, Cased                                       |
| 8100307           | Ft       | Mast Arm Std Fdn, Uncased                                     |
| 8100310           | Ea       | Median Barrier Connection, Conc                               |
| 8100311           | Ea       | Median Barrier Connection, Conc, Perforated Steel Square Tube |
| 8100320           | Ea       | Overhead Lane Assignment Structure                            |
| 8100330           | Ea       | Perforated Steel Square Tube Sign Breakaway System            |
| 8100350           | Ea       | Post, Delineator  |
| 8100370           | Ft       | Post, Steel, 2 lb   |
| 8100371           | Ft       | Post, Steel, 3 lb   |
| 8100430           | Ea       | Truss Fdn Anchor Bolts, Replace                               |
| 8100450 - 8100502 | Ea       | Truss, Type __, ___ foot                                      |
| 8100510 - 8100512 | Ea       | Mast Arm Pole, Cat __   |
| 8100520 - 8100546 | Ea       | Mast Arm, ___ foot, Cat __                                    |
| 8100550           | Ft       | Mast Arm Pole Fdn, 6 Bolt                                     |
| 8100580           | Ea       | Bridge Sign Connection, Steel, Modified, Type F               |
| 8100590           | Ea       | Retaining Wall Connection, Type E                             |
| 8100600           | Ea       | Truss Connection, Hanger Mount                                |
| 8100601           | Ea       | Sign Connection, Wall Mount                                   |
| 8130015           | Ft       | Slope Paving Header   |
| 8130025           | Syd      | Slope Paving, Precast Conc                                    |
| 8190025 - 8190038 | Ft       | Conduit, DB, __, ___ inch                                     |
| 8190105 - 8190113 | Ft       | Conduit, Galv Steel, ___ inch                                 |
| 8190125 - 8190132 | Ft       | Conduit, Galv Steel, ___ inch, Structure                      |
| 8190246           | Ea       | Hh, Heavy Duty Cover  |
| 8190248           | Ea       | Hh, Light Duty Cover  |
| 8190252           | Ea       | Hh, Reconst   |
| 8190256           | Ea       | Hh, Replace Cover   |
| 8190258           | Ea       | Hh, Replace Frame and Cover                                   |
| 8190262           | Ea       | Hh, Type D  |
| 8190263           | Ea       | Hh, Type S  |
| 8190264 - 8190274 | Ea       | Light Std Arm, ___ foot                                       |
| 8190279           | Ea       | Light Std Fdn   |
| 8190281           | Ea       | Light Std, Frangible Transformer Base                         |
| 8190285           | Ea       | Light Std Shaft, 30 foot or less                              |
| 8190286           | Ea       | Light Std Shaft, 31 foot to 40 foot                           |
| 8190287           | Ea       | Light Std Shaft, 41 foot to 50 foot                           |
| 8190290           | Ea       | Light Std Shaft, 30 foot or less, Single Arm                  |
| 8190291           | Ea       | Light Std Shaft, 31 foot to 40 foot, Single Arm               |
| 8190292           | Ea       | Light Std Shaft, 41 foot to 50 foot, Single Arm               |
| 8190295           | Ea       | Light Std Shaft, 30 foot or less, Double Arm                  |
| 8190296           | Ea       | Light Std Shaft, 31 foot to 40 foot, Double Arm               |
| 8190297           | Ea       | Light Std Shaft, 41 foot to 50 foot, Double Arm               |
| 8190320 - 8190323 | Ea       | Light Std Shaft, Square, ___ foot                             |



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|-------------------|----------|---|
| 8190445 - 8190448 | Ea       | Tower Ltg Unit, ___ foot _ Luminaire            |
| 8190450           | Ft       | Tower Ltg Unit, Fdn Cased                       |
| 8190455           | Ft       | Tower Ltg Unit, Fdn Uncased                     |
| 8190521           | Ea       | Bracket Arm, Clamp On, 6 Foot, with 3 Foot Rise |
| 8200140           | Ea       | Span Wire                                       |
| 8200150           | Ft       | Strain Pole Fdn, Cased                          |
| 8200151           | Ft       | Strain Pole Fdn, Uncased                        |
| 8200152           | Ft       | Strain Pole Fdn                                 |
| 8200155 - 8200159 | Ea       | Strain Pole, Steel, Anchor Base, ___ foot       |
| 8200165           | Ea       | Strain Pole, Steel, Anchor Fdn                  |
| 8200374 - 8200382 | Ea       | Bracket, Truss, With _ Foot Arm                 |
| 8200460 - 8200462 | Ea       | Strain Pole, Steel, 6 bolt, ___ foot            |
| 8200470           | Ft       | Strain Pole Fdn, 6 Bolt                         |
| 8200480           | Ft       | Casing  |
| 8210001           | Ea       | Monument Box                                    |
| 8230040           | Ea       | Fire Hydrant                                    |
| 8230050 - 8230056 | Ea       | Gate Valve and Box, ___ inch                    |
| 8230060 - 8230067 | Ea       | Gate Valve, ___ inch                            |
| 8230150 - 8230181 | Ft       | Water Main, DI, ___ inch, Tr Det _              |
| 8230260 - 8230269 | Ea       | Live Tap _ inch x _ inch                        |
| 8230401 - 8230402 | Ea       | Water Shutoff, Reconst, Case _                  |
| 8230411 - 8230412 | Ea       | Gate Box, Reconst, Case _                       |