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I. *Retaining Sediment On-site and Controlling Dewatering Practices*ERROR! **Bookmark not defined.**

J. *Additional Erosion and Sediment Control General Practices*ERROR! **Bookmark not defined.**

K. *Selecting Temporary Soil Stabilization Measures*ERROR! **Bookmark not defined.**

645.4 – BEST MANAGEMENT PRACTICES FOR STRUCTURESEERROR! BOOKMARK NOT DEFINED.

A. *Construction Specifications for Surface Roughening*ERROR! **Bookmark not defined.**

B. *Construction Specifications for Temporary Gravel Construction Exits*ERROR! **Bookmark not defined.**

C. *Inspection and Maintenance of Temporary Gravel Construction Exits*ERROR! **Bookmark not defined.**

- D. *Construction Specifications for Slope Drains***Error! Bookmark not defined.**
- E. *Maintenance of Slope Drains***Error! Bookmark not defined.**
- F. *Construction Specifications for Waterbars***Error! Bookmark not defined.**
- G. *Inspection and Maintenance of Waterbars***Error! Bookmark not defined.**
- H. *Construction Specifications for Sediment Basins with Skimmer Outlets***Error! Bookmark not defined.**

645.5 – SOIL EROSION AND WATER POLLUTION CONTROL CHECKLIST**Error! BOOKMARK NOT DEFINED.**

SECTION 646 – TURF ESTABLISHMENT**Error! BOOKMARK NOT DEFINED.**

646.1 – GENERAL**Error! BOOKMARK NOT DEFINED.**

646.3 – CONSTRUCTION OPERATIONS**Error! BOOKMARK NOT DEFINED.**

SECTION 647 – HUMUS**Error! BOOKMARK NOT DEFINED.**

647.1 – GENERAL**Error! BOOKMARK NOT DEFINED.**

SECTION 648 – SOD**Error! BOOKMARK NOT DEFINED.**

648.1 – GENERAL**Error! BOOKMARK NOT DEFINED.**

SECTION 650 – PLANTING**Error! BOOKMARK NOT DEFINED.**

650.1 – GENERAL**Error! BOOKMARK NOT DEFINED.**

650.2 – MATERIALS**Error! BOOKMARK NOT DEFINED.**

650.3 – CONSTRUCTION OPERATIONS**Error! BOOKMARK NOT DEFINED.**

SECTION 658 – TRANSPLANTING PLANT MATERIAL**Error! BOOKMARK NOT DEFINED.**

658.3 – CONSTRUCTION OPERATIONS**Error! BOOKMARK NOT DEFINED.**

SECTION 693 – TRAINING PROGRAMS**Error! BOOKMARK NOT DEFINED.**

693.1 – ON-THE-JOB TRAINING PROGRAM (OJT)**Error! BOOKMARK NOT DEFINED.**

SECTION 698 – FIELD FACILITIES**Error! BOOKMARK NOT DEFINED.**

698.1 – GENERAL**Error! BOOKMARK NOT DEFINED.**

[DIVISION 700 – MATERIALS CONTROL](#)

SECTION 701 – PURPOSES OF MATERIALS CONTROL**Error! BOOKMARK NOT DEFINED.**

701.1 – COMPLIANCE WITH SPECIFICATIONS**Error! BOOKMARK NOT DEFINED.**

701.2 – UNIFORM RELATIONS WITH CONTRACTORS**Error! BOOKMARK NOT DEFINED.**

701.3 – DOCUMENTATION FOR EXPENDITURE OF PUBLIC FUNDS**Error! BOOKMARK NOT DEFINED.**

SECTION 702 – GENERAL PROCEDURES FOR MATERIALS CONTROL**Error! BOOKMARK NOT DEFINED.**

702.1 – DEFINITIONS OF ITEMS**Error! BOOKMARK NOT DEFINED.**

- A. *Acceptance Sampling and Testing***Error! Bookmark not defined.**
- B. *Independent Assurance Program***Error! Bookmark not defined.**
- C. *Verification Samples and Tests***Error! Bookmark not defined.**
- D. *Process Control***Error! Bookmark not defined.**
- E. *Source Approval***Error! Bookmark not defined.**

702.2 – SPECIFICATIONS AND THEIR APPLICATION**Error! BOOKMARK NOT DEFINED.**

702.3 – INSPECTOR'S RESPONSIBILITY FOR ACCEPTANCE SAMPLING AND TESTING**Error! BOOKMARK NOT DEFINED.**

- 702.4 – MATERIAL ACCEPTANCE **ERROR! BOOKMARK NOT DEFINED.**
- 702.5 – INDEPENDENT ASSURANCE SAMPLING AND TESTING **ERROR! BOOKMARK NOT DEFINED.**
- 702.6 – NHDOT GUIDE TO FREQUENCY OF SAMPLING AND TESTING **ERROR! BOOKMARK NOT DEFINED.**
- 702.7 – RECORDING, REPORTING, AND DOCUMENTATION **ERROR! BOOKMARK NOT DEFINED.**

SECTION 703 – MATERIALS SAMPLING AND TESTING **ERROR! BOOKMARK NOT DEFINED.**

- 703.1 – SAMPLING AND TESTING PROGRAM **ERROR! BOOKMARK NOT DEFINED.**
- 703.2 – DETAILS OF SAMPLING AND TESTING PROGRAM **ERROR! BOOKMARK NOT DEFINED.**
 - A. *Embankments (Compaction)* **Error! Bookmark not defined.**
 - B. *Sand* **Error! Bookmark not defined.**
 - C. *Gravel* **Error! Bookmark not defined.**
 - D. *Crushed Gravel* **Error! Bookmark not defined.**
 - E. *Bituminous Pavement* **Error! Bookmark not defined.**
 - F. *Structural Concrete* **Error! Bookmark not defined.**
 - G. *Cement* **Error! Bookmark not defined.**
 - H. *Reinforcing Steel (Mechanical Connectors Only)* **Error! Bookmark not defined.**
 - I. *Asphalt Cutback and Emulsions* **Error! Bookmark not defined.**
 - J. *Paints* **Error! Bookmark not defined.**
 - K. *Epoxy Coating* **Error! Bookmark not defined.**
 - L. *High Strength Bolts* **Error! Bookmark not defined.**
 - M. *Neoprene Joint Materials* **Error! Bookmark not defined.**
 - N. *Catch Basin and Slope Paving Blocks* **Error! Bookmark not defined.**
- 703.3 – SUMMARY OF NHDOT METHODS FOR MATERIALS ACCEPTANCE **ERROR! BOOKMARK NOT DEFINED.**
 - A. *Acceptance by Sampling and Testing* **Error! Bookmark not defined.**
 - B. *Acceptance by Certification* **Error! Bookmark not defined.**
 - C. *Acceptance by Field Inspection* **Error! Bookmark not defined.**
- 703.4 – USING THE NHDOT GUIDE TO FREQUENCY OF SAMPLING AND TESTING SPREADSHEET **ERROR! BOOKMARK NOT DEFINED.**
 - A. *Working with the TEST GUIDE Spreadsheet* **Error! Bookmark not defined.**
 - B. *Opening the TEST GUIDE Spreadsheet* **Error! Bookmark not defined.**
 - C. *Saving the TEST GUIDE Spreadsheet* **Error! Bookmark not defined.**
 - D. *Entering Project Data* **Error! Bookmark not defined.**

SECTION 704 – STANDARD METHODS OF SAMPLING, TESTING, AND RECORDING TEST RESULTS **ERROR! BOOKMARK NOT DEFINED.**

- 704.1 – SAMPLING OF AGGREGATES FOR GRADATION (AASHTO T 2) **ERROR! BOOKMARK NOT DEFINED.**
- 704.2 – TESTING FINE AND COARSE AGGREGATE FOR GRADATION (AASHTO T 27) **ERROR! BOOKMARK NOT DEFINED.**
- 704.3 – TESTING SOIL FOR MOISTURE–DENSITY RELATIONS (PROCTOR) (AASHTO T 99) **ERROR! BOOKMARK NOT DEFINED.**
 - A. *“Method A” Sample* **Error! Bookmark not defined.**
 - B. *Procedure* **Error! Bookmark not defined.**
 - C. *Moisture Content and Dry Weight Calculations* **Error! Bookmark not defined.**
- 704.4 – STANDARD METHOD OF CORRECTION FOR COARSE PARTICLES IN THE SOIL COMPACTION TEST (AASHTO T 224) **ERROR! BOOKMARK NOT DEFINED.**
 - A. *Scope* **Error! Bookmark not defined.**
 - B. *Outline of Method* **Error! Bookmark not defined.**
 - C. *Procedure* **Error! Bookmark not defined.**
- 704.5 – DENSITY OF SOIL IN–PLACE BY THE NUCLEAR GAUGE METHOD (AASHTO T 238) **ERROR! BOOKMARK NOT DEFINED.**

- A. *Scope***Error! Bookmark not defined.**
- B. *Special Precautions***Error! Bookmark not defined.**
- C. *Apparatus***Error! Bookmark not defined.**
- D. *Determination of Maximum Dry Density on Crushed Stone Bases***Error! Bookmark not defined.**
- E. *Determination of Maximum Dry Density on Soil Materials***Error! Bookmark not defined.**

704.6 – STRAIGHT LINE ANALYSIS AND CHART**Error! Bookmark not defined.**

704.7 – STANDARD METHOD OF TESTING THE SLUMP OF PORTLAND CEMENT CONCRETE (AASHTO T 119, ASTM C143)**Error! Bookmark not defined.**

- A. *Apparatus for Testing Slump***Error! Bookmark not defined.**
- B. *Procedure for Testing Slump***Error! Bookmark not defined.**
- C. *Slump Report***Error! Bookmark not defined.**

704.8 – DETERMINING ENTRAINED AIR IN CONCRETE WITH A PRESSURE METER (AASHTO T 152, ASTM C231)

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- A. *Operating Instructions for Type B Pressure Meters***Error! Bookmark not defined.**
- B. *Field Calibration of Meter***Error! Bookmark not defined.**

704.9 – METHOD FOR CASTING, CURING AND TRANSPORTING CONCRETE TEST CYLINDERS (AASHTO T 23, ASTM C31)**Error! Bookmark not defined.**

- A. *Scope***Error! Bookmark not defined.**
- B. *Apparatus***Error! Bookmark not defined.**
- C. *Procedure***Error! Bookmark not defined.**
- D. *Transporting***Error! Bookmark not defined.**
- E. *NHDOT Modified Tests***Error! Bookmark not defined.**

704.10 – TEST OF FINE AGGREGATE USED IN PORTLAND CEMENT CONCRETE**Error! Bookmark not defined.**

704.11 – TEST OF COARSE AGGREGATE USED IN PORTLAND CEMENT CONCRETE**Error! Bookmark not defined.**

704.14 – TEST FOR THE DETERMINATION OF THE WATER/CEMENT RATIO OF CONCRETE BY MICROWAVE OVEN (NHDOT)**Error! Bookmark not defined.**

- A. *Scope***Error! Bookmark not defined.**
- B. *Apparatus***Error! Bookmark not defined.**
- C. *Sample Procedure***Error! Bookmark not defined.**
- D. *Test Procedure***Error! Bookmark not defined.**
- E. *Water/Cement Ratio Calculations***Error! Bookmark not defined.**

SECTION 705 – SAMPLE FORMS FROM THE BUREAU OF MATERIALS AND RESEARCH**Error! Bookmark not defined.**

SECTION 706 – CORRECTIVE ACTION**Error! Bookmark not defined.**

706.1 – CORRECTIVE ACTION**Error! Bookmark not defined.**

SECTION 707 – CEMENT MORTAR**Error! Bookmark not defined.**

707.1 – GENERAL**Error! Bookmark not defined.**

707.2 – CONSTRUCTION OPERATIONS**Error! Bookmark not defined.**

[DIVISION 800 – PROJECT RECORDS](#)

SECTION 801 – PROJECT TIPS**Error! Bookmark not defined.**

801.1 – PROJECT START UP**Error! Bookmark not defined.**

801.2 – PROJECT SUSPENSION**Error! Bookmark not defined.**

801.3 – PROJECT TERMINATION **ERROR! BOOKMARK NOT DEFINED.**

SECTION 802 – GUIDELINES FOR PREPARATION OF PROJECT RECORDS **ERROR! BOOKMARK NOT DEFINED.**

802.1 – INTRODUCTION TO RECORD KEEPING PROCEDURE **ERROR! BOOKMARK NOT DEFINED.**

- A. *Bound Field Notebooks **ERROR! Bookmark not defined.***
- B. *The Quantity Book **ERROR! Bookmark not defined.***
- C. *Daily Reports **ERROR! Bookmark not defined.***
- D. *Record Plans **ERROR! Bookmark not defined.***
- E. *Record Book **ERROR! Bookmark not defined.***
- F. *Correspondence Folder **ERROR! Bookmark not defined.***
- G. *Lab Book **ERROR! Bookmark not defined.***

802.2 – GENERAL INSTRUCTIONS **ERROR! BOOKMARK NOT DEFINED.**

- A. *Record System Numbering **ERROR! Bookmark not defined.***
- B. *Certificates of Compliance **ERROR! Bookmark not defined.***
- C. *General Notes **ERROR! Bookmark not defined.***
- D. *Field Measurements **ERROR! Bookmark not defined.***
- E. *Authorization of Records **ERROR! Bookmark not defined.***
- F. *Project Records to Engineering Audit **ERROR! Bookmark not defined.***

802.3 – RECORD BOOK DECIMAL POINT SYSTEM **ERROR! BOOKMARK NOT DEFINED.**

SECTION 803 – GUIDELINES PERTAINING TO THE QUANTITY BOOK **ERROR! BOOKMARK NOT DEFINED.**

803.1 – GENERAL **ERROR! BOOKMARK NOT DEFINED.**

803.2 – ITEM APPLICATION **ERROR! BOOKMARK NOT DEFINED.**

- A. *Clearing and Grubbing **ERROR! Bookmark not defined.***
- B. *Excavation and Embankment **ERROR! Bookmark not defined.***
- C. *Base Courses **ERROR! Bookmark not defined.***
- D. *Pavements **ERROR! Bookmark not defined.***
- E. *Bridge Items **ERROR! Bookmark not defined.***
- F. *Drainage **ERROR! Bookmark not defined.***
- G. *Linearly Measured Items **ERROR! Bookmark not defined.***
- H. *Maintenance of Traffic **ERROR! Bookmark not defined.***
- I. *General **ERROR! Bookmark not defined.***

SECTION 804 – SAMPLE QUANTITY BOOK **ERROR! BOOKMARK NOT DEFINED.**

SECTION 805 – SAMPLE FIELD NOTEBOOK PAGES **ERROR! BOOKMARK NOT DEFINED.**

SECTION 806 – GUIDELINES PERTAINING TO THE RECORD BOOK **ERROR! BOOKMARK NOT DEFINED.**

806.1 – ITEM APPLICATION **ERROR! BOOKMARK NOT DEFINED.**

SECTION 807 – SAMPLE RECORD BOOK **ERROR! BOOKMARK NOT DEFINED.**

- 1. Record Book Title Page (RB Page 1.00) **ERROR! Bookmark not defined.**
- 2. Table of Contents (RB Page 2.00) **ERROR! Bookmark not defined.**
- 3. Engineering Personnel (RB Page 3.00) **ERROR! Bookmark not defined.**
- 4. Project Record Submission Checklist (RB Page 4.00) **ERROR! Bookmark not defined.**
- 5. Survey Book Index (RB Page 5.00) **ERROR! Bookmark not defined.**
- 6. Field Notebook Index (RB Page 6.00) **ERROR! Bookmark not defined.**
- 7. Inter-Department Communication (RB Page 7.00) **ERROR! Bookmark not defined.**
- 8. Inter-Department Communication (RB Page 7.01) **ERROR! Bookmark not defined.**
- 9. Blasting Record (RB Page 8.00) **ERROR! Bookmark not defined.**
- 10. Consent to Sublet (RB Page 9.00) **ERROR! Bookmark not defined.**

11. Policy on Subcontracting (RB Page 9.01)**Error! Bookmark not defined.**
12. Inter-Departmental Communication (RB Page 10.00)**Error! Bookmark not defined.**
13. Pit Agreement (RB Page 10.01)**Error! Bookmark not defined.**
14. Pit Authorization Letter (RB Page 10.03)**Error! Bookmark not defined.**
15. Disposal Agreement (RB Page 10.04)**Error! Bookmark not defined.**
16. Required Minimum Landscaping Treatment (RB Page 10.05)**Error! Bookmark not defined.**
17. Approval for Disposal Area (RB Page 10.06)**Error! Bookmark not defined.**
18. Certificates of Compliance Summary – 1 (RB Page 11.00)**Error! Bookmark not defined.**
19. Certificates of Compliance Summary – 2 (RB Page 11.01)**Error! Bookmark not defined.**
20. Certificate of Compliance – Form (RB Page 12.00)**Error! Bookmark not defined.**
21. Change Order – 1 (RB Page 13.00)**Error! Bookmark not defined.**
22. Change Order – 2 (RB Page 13.01)**Error! Bookmark not defined.**
23. Change Order – 3 (RB Page 13.03)**Error! Bookmark not defined.**
24. Change Order – 4 (RB Page 13.04)**Error! Bookmark not defined.**
25. General Notes (RB Page 14.00)**Error! Bookmark not defined.**
26. Item Index – 1 (RB Page 15.00)**Error! Bookmark not defined.**
27. Item Index – 2 (RB Page 15.01)**Error! Bookmark not defined.**
28. Item Index – 3 (RB Page 15.02)**Error! Bookmark not defined.**
29. Record Book Item Summary (RB Page 100.00)**Error! Bookmark not defined.**
30. Record Book Item Summary – Clearing and Grubbing (RB Page 100.01)**Error! Bookmark not defined.**
31. Record Book Item Summary – Common Excavation (RB Page 106.00)**Error! Bookmark not defined.**
32. Record Book Item Summary – Common Excavation (RB Page 106.01)**Error! Bookmark not defined.**
33. Record Book Item Summary – Embankment-in-Place (RB Page 108.00)**Error! Bookmark not defined.**
34. Record Book Item Summary – Embankment-in-Place (RB Page 108.01)**Error! Bookmark not defined.**
35. Record Book Item Summary – Hot Bituminous Pavement, Machine Method (RB Page 118.00)**Error! Bookmark not defined.**
36. Record Book Item Summary – Hot Bituminous Pavement, Machine Method (RB Page 118.01)**Error! Bookmark not defined.**
- . Record Book Item Summary – Common Bridge Excavation (F) (RB Page 124.00)**Error! Bookmark not defined.**
38. Record Book Item Summary – Common Bridge Excavation (F) (RB Page 124.01)**Error! Bookmark not defined.**
39. Record Book Item Summary – Rock Bridge Excavation (RB Page 125.00)**Error! Bookmark not defined.**
40. Record Book Item Summary – Rock Bridge Excavation (RB Page 125.01)**Error! Bookmark not defined.**
41. Record Book Item Summary – Reinforcing Steel (F) (RB Page 140.00)**Error! Bookmark not defined.**
42. Record Book Item Summary – Reinforcing Steel (F) (RB Page 140.01)**Error! Bookmark not defined.**
43. Record Book Item Summary – 15 in Reinforced Concrete Pipe, Class III (RB Page 154.00)**Error! Bookmark not defined.**
44. Record Book Item Summary – 15 in Reinforced Concrete Pipe, Class III (RB Page 154.01)**Error! Bookmark not defined.**
45. Record Book Item Summary – Catch Basin, Type F (RB Page 157.00)**Error! Bookmark not defined.**
46. Record Book Item Summary – Catch Basin, Type F (RB Page 157.01)**Error! Bookmark not defined.**
47. Record Book Item Summary – Straight Granite Curb (RB Page 162.00)**Error! Bookmark not defined.**
48. Record Book Item Summary – Straight Granite Curb (RB Page 162.01)**Error! Bookmark not defined.**
49. Curb Summary – Straight Granite Curb (RB Page 162.02)**Error! Bookmark not defined.**
50. Record Book Item Summary – Uniformed Officers With Vehicle (RB Page 168.00)**Error! Bookmark not defined.**
51. Record Book Item Summary – Uniformed Officers With Vehicle (RB Page 168.01)**Error! Bookmark not defined.**
52. Record Book Item Summary – Uniformed Officers With Vehicle (RB Page 168.02)**Error! Bookmark not defined.**
53. Record Book Item Summary – Uniformed Officers With Vehicle (RB Page 168.03)**Error! Bookmark not defined.**
54. Invoice for Traffic Control Services – Uniformed Officers With Vehicle (RB Page 168.04)**Error! Bookmark not defined.**
55. Paid Detail Voucher – Uniformed Officers With Vehicle (RB Page 168.04A)**Error! Bookmark not defined.**
56. Record Book Item Summary – Maintenance of Traffic (RB Page 169.00)**Error! Bookmark not defined.**
57. Record Book Item Summary – Maintenance of Traffic (RB Page 169.01)**Error! Bookmark not defined.**
58. Record Book Item Summary – Humus (RB Page 192.00)**Error! Bookmark not defined.**
59. Record Book Item Summary – Humus (RB Page 192.01)**Error! Bookmark not defined.**

- 60. Record Book Item Summary – On-the-Job Training of Unskilled Workers (RB Page 194.00)**Error! Bookmark not defined.**
- 61. Record Book Item Summary – On-the-Job Training of Unskilled Workers (RB Page 194.01)**Error! Bookmark not defined.**
- 62. On-the-Job Training – Acknowledgement and Statement of Intent (RB Page 194.02)**Error! Bookmark not defined.**
- 63. On-the-Job Training – Workforce Demographics (RB Page 194.03)**Error! Bookmark not defined.**
- 64. On-the-Job Training – Program Enrollment / Registration Form (RB Page 194.04)**Error! Bookmark not defined.**
- 65. On-the-Job Training – OJT Weekly Report (RB Page 194.05)**Error! Bookmark not defined.**
- 66. On-the-Job Training – Transfer/Modification Request (RB Page 194.06)**Error! Bookmark not defined.**
- 67. Record Book Item Summary – Temporary Project Water Pollution Control (RB Page 195.00)**Error! Bookmark not defined.**
- 68. Record Book Item Summary – Temporary Project Water Pollution Control (RB Page 195.01)**Error! Bookmark not defined.**
- 69. Daily Report of Extra Work – Force Account (RB Page 195.02)**Error! Bookmark not defined.**
- 70. Record Book Item Summary – Fuel Adjustment (RB Page 197.00)**Error! Bookmark not defined.**
- 71. Record Book Item Summary – Fuel Adjustment (RB Page 197.01)**Error! Bookmark not defined.**
- 72. Record Book Item Summary – Asphalt Cement Adjustment (RB Page 198.00)**Error! Bookmark not defined.**
- 73. Record Book Item Summary – Asphalt Cement Adjustment (RB Page 198.01)**Error! Bookmark not defined.**
- 74. Record Book Item Summary – Replace Damaged Attenuators (RB Page 800.00)**Error! Bookmark not defined.**
- 75. Record Book Item Summary – Replace Damaged Attenuators (RB Page 800.01)**Error! Bookmark not defined.**
- 76. Supplementary Agreement (RB Page 800.02)**Error! Bookmark not defined.**
- 77. Daily Report of Extra Work – Force Account (RB Page 800.03)**Error! Bookmark not defined.**
- 78. Record Book Item Summary – Miscellaneous Office Supplies (RB Page 801.00)**Error! Bookmark not defined.**
- 79. Record Book Item Summary – Miscellaneous Office Supplies (RB Page 801.01)**Error! Bookmark not defined.**
- 80. Daily Report of Extra Work – Force Account (RB Page 801.02)**Error! Bookmark not defined.**
- 81. Record Book Item Summary – 48 in RCP, Class III with Neoprene Gasket (RB Page 900.00)**Error! Bookmark not defined.**
- 82. Record Book Item Summary – 48 in RCP, Class III with Neoprene Gasket (RB Page 900.01)**Error! Bookmark not defined.**
- 83. Supplementary Agreement (RB Page 900.02)**Error! Bookmark not defined.**

DIVISION 900 – MISCELLANEOUS

SECTION 901 – WEBSITES AND CONTACT INFORMATION**Error! Bookmark not defined.**

- 901.1 – TRANSPORTATION INFORMATION WEBSITES**Error! Bookmark not defined.**
- 901.2 – NHDOT PERSONNEL AND EMPLOYEE SERVICES**Error! Bookmark not defined.**
- 901.3 – HIGHWAY MAINTENANCE DISTRICTS**Error! Bookmark not defined.**
- 901.4 – TURNPIKE MAINTENANCE**Error! Bookmark not defined.**
- 901.5 – TOLL PLAZAS**Error! Bookmark not defined.**
- 901.6 – INFORMATION CENTERS**Error! Bookmark not defined.**

SECTION 902 – GEOMETRIC AND TRIGONOMETRIC CALCULATIONS**Error! Bookmark not defined.**

- 902.1 – AREA, CIRCUMFERENCE, AND VOLUME FORMULAS**Error! Bookmark not defined.**
 - A. *Circle***Error! Bookmark not defined.**
 - B. *Sphere***Error! Bookmark not defined.**
 - C. *Square***Error! Bookmark not defined.**
 - D. *Rectangle***Error! Bookmark not defined.**
 - E. *Triangle***Error! Bookmark not defined.**

- F. *Cone***Error! Bookmark not defined.**
- G. *Ellipse***Error! Bookmark not defined.**
- H. *Annulus (Circular Ring)***Error! Bookmark not defined.**
- I. *Parabolic Curve***Error! Bookmark not defined.**
- J. *Sector of a Circle***Error! Bookmark not defined.**
- K. *Cylinder***Error! Bookmark not defined.**
- L. *Parallelogram***Error! Bookmark not defined.**
- M. *Trapezoid***Error! Bookmark not defined.**
- N. *Regular Polygon***Error! Bookmark not defined.**
- O. *Prismatoid***Error! Bookmark not defined.**
- P. *Irregular Figure***Error! Bookmark not defined.**

902.2 – TRIGONOMETRIC FUNCTIONS**Error! Bookmark not defined.**

- A. *Right Triangles***Error! Bookmark not defined.**
- B. *Oblique Triangles***Error! Bookmark not defined.**
- C. *Law of Sines***Error! Bookmark not defined.**
- D. *Basic Trigonometric Functions***Error! Bookmark not defined.**
- E. *Slope Conversions***Error! Bookmark not defined.**

902.3 – CONVERSIONS – GENERAL**Error! Bookmark not defined.**

902.4 – CONVERSIONS – METRIC**Error! Bookmark not defined.**

SECTION 903 – FIELD LAYOUT AND MEASUREMENT**Error! Bookmark not defined.**

903.1 – ONE-PERSON METHOD FOR MEASURING DRIVES, APPROACHES, AND DITCHES**Error! Bookmark not defined.**

- A. *General Procedure***Error! Bookmark not defined.**
- B. *Steel Tape Temperature Corrections***Error! Bookmark not defined.**
- C. *Determining Radii of Sharp Curves by Field Measurements***Error! Bookmark not defined.**

903.2 – ROADWAY AND DITCH EXCAVATION PAY LIMITS**Error! Bookmark not defined.**

903.3 – STRUCTURE EXCAVATION PAY LIMITS**Error! Bookmark not defined.**

903.4 – DRAINAGE PIPE PARAMETERS**Error! Bookmark not defined.**

- A. *Minimum Storm Runoff Pipe Sizes***Error! Bookmark not defined.**
- B. *Minimum Culvert Sizes***Error! Bookmark not defined.**
- C. *Minimum Backfill Cover over Pipes***Error! Bookmark not defined.**
- D. *Minimum Pipe Slope Requirements***Error! Bookmark not defined.**
- E. *Catch Basin Spacing Requirement***Error! Bookmark not defined.**
- F. *Maximum Run for Underdrains***Error! Bookmark not defined.**
- G. *Manning's Equation***Error! Bookmark not defined.**

SECTION 904 – GEOMETRICS**Error! Bookmark not defined.**

904.1 – LANE DROP TAPERS, PARKING SPACE STALLS, AND VERTICAL CLEARANCES**Error! Bookmark not defined.**

- A. *Permanent Lane Drop Tapers***Error! Bookmark not defined.**
- B. *Parking Space Stall Dimensions***Error! Bookmark not defined.**
- C. *Minimum Vertical Clearances***Error! Bookmark not defined.**

904.2 – HORIZONTAL CURVES**Error! Bookmark not defined.**

904.3 – HORIZONTAL STOPPING SIGHT DISTANCE**Error! Bookmark not defined.**

904.4 – SIMPLE CURVE SUPERELEVATION TRANSITIONS**Error! Bookmark not defined.**

904.5 – VERTICAL CURVES**Error! Bookmark not defined.**

- A. *High and Low Point Calculations***Error! Bookmark not defined.**
- B. *Passing Sight Distance Calculations***Error! Bookmark not defined.**
- C. *Length of Vertical Curve and Stopping Sight Distance Calculations***Error! Bookmark not defined.**

SECTION 905 – WEIGHTS AND BEARING CAPACITIES OF MATERIALS**ERROR! BOOKMARK NOT DEFINED.**

905.1 – WEIGHTS OF MATERIALS**ERROR! BOOKMARK NOT DEFINED.**

905.2 – BEARING CAPACITIES OF MATERIALS**ERROR! BOOKMARK NOT DEFINED.**

SECTION 906 – TRAFFIC CONTROL**ERROR! BOOKMARK NOT DEFINED.**

906.1 – TRAFFIC CONTROL CHECKLIST**ERROR! BOOKMARK NOT DEFINED.**

- A. *Portable Changeable Message Signs (PCMS) – Deployment***Error! Bookmark not defined.**
- B. *Permanent Construction Signs – Deployment***Error! Bookmark not defined.**
- C. *Traffic Channelizing Devices – Deployment***Error! Bookmark not defined.**
- D. *Traffic Cones – Deployment***Error! Bookmark not defined.**
- E. *Construction Barrels (Drums) – Deployment***Error! Bookmark not defined.**
- F. *Barricades – Deployment***Error! Bookmark not defined.**
- G. *Operational Construction Signs – Deployment***Error! Bookmark not defined.**
- H. *Flaggers – Deployment***Error! Bookmark not defined.**
- I. *Pre-Construction Meeting – Traffic Control Operations Review***Error! Bookmark not defined.**
- J. *Pavement Markings – Deployment***Error! Bookmark not defined.**

906.2 – ACCIDENTS – EMERGENCY NOTIFICATION PROCEDURE**ERROR! BOOKMARK NOT DEFINED.**

906.3 – SAFETY CONCERNS – CONSTRUCTION SITE HAZARDS**ERROR! BOOKMARK NOT DEFINED.**

906.4 – OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) REQUIREMENTS**ERROR! BOOKMARK NOT DEFINED.**

- A. *Fall Protection***Error! Bookmark not defined.**
- B. *Trench Safety***Error! Bookmark not defined.**
- C. *Reinforcing Steel Safety***Error! Bookmark not defined.**
- D. *Structural Steel Safety***Error! Bookmark not defined.**
- E. *Utility Safety***Error! Bookmark not defined.**
- F. *Water Safety***Error! Bookmark not defined.**

SECTION 907 – DRIVEWAYS AND OTHER ACCESSES TO THE PUBLIC WAY**ERROR! BOOKMARK NOT DEFINED.**

907.1 – GENERAL**ERROR! BOOKMARK NOT DEFINED.**

SECTION 908 – HAZARDOUS WASTE MANAGEMENT**ERROR! BOOKMARK NOT DEFINED.**

908.1 – HAZARDOUS WASTE MANIFEST DISTRIBUTION**ERROR! BOOKMARK NOT DEFINED.**

SECTION 909 – NHDOT AUTOMATIC FUELING SYSTEM**ERROR! BOOKMARK NOT DEFINED.**