# DESIGN SCENE SUBJECT INDEX

#### **CHAPTER 1:**

## TITLE SHEET and GENERAL LAYOUT

(Revised 04-18-19)

AREA OF ENVIRONMENTAL SENSITIVITY

BRIDGE & APPROACH PLANS

CONSTRUCTION PLAN FOR...

**EXCEPTIONS** 

**EXCEPTION CLARIFICATION** 

**GOVERNING SPECIFICATIONS** 

**INDEX MAP** 

LEADER LINES

LENGTH BLOCKS

LOCATED ON....

PARTICIPATION PROJECTS

PROJECT CONTACTS FOR BIDDERS

PROJECT NUMBERS

REFERENCE POST LOCATIONS ON CONSTRUCTION PLANS

ROADWAY PROJECT MAPPING APPLICATION (RPMA)

STATIONING VS. REFERENCE POINTS

STIP AMENDMENTS

TITLE SHEET ACCESS

TITLE SHEET MATERIAL

TITLE SHEET SIGNATURE BLOCK

TRIBAL LANDS

WHEN DO YOU NEED ANOTHER SP

### **CHAPTER 2:**

### **QUANTITIES and TABULATIONS**

(Revised 04-30-19)

2018 SPEC BOOK

2112 SHOULDER PREPARATION

ALTERNATE BID

AS BUILT

**BRIDGES & BOX CULVERTS** 

CITY/COUNTY FUNDS

COMBINATION FIELD LABORATORY OFFICE

CONCRETE MEDIAN BARRIER DESIGN \_\_\_ TYPE AA

CULVERT/STORM TREATMENTS

**ESTIMATED QUANTITIES FORMAT** 

FOG SEAL

**FUNDING** 

HAUL SALVAGED MATERIAL

INCIDENTAL AND LUMP SUM ITEMS

**LUMP SUM ITEMS** 

LUMP SUM ON MULTIPLE COLUMN OR TIED PLANS

MAINTENANCE AND RESTORATION OF HAUL ROADS

MOBILIZATION ITEM

CHAPTER 2: QUANTITIES and TABULATIONS (Continued)

(Revised 04-30-19) PLAN QUANTITIES (P)

PRORATA ITEMS

STANDARD ABBREVIATIONS FOR PAY ITEMS

TABULATION DEVELOPMENT

WEED SPRAYING

**WORK ZONE ITEM CHANGES** 

CHAPTER 3: DETAILS and ADA

(Revised 04-30-19) ADA PLAN REVIEW CHECKLISTS

ADA SAFETY GRATES, CURB BOXES, and HELPER STRUCTURES

**ADA PAY ITEMS** 

APPROACH PANEL STANDARDS - IMPLEMENTATION GUIDELINES

CONCRETE MEDIAN ISLANDS

**CURBS** 

**DESIGN STANDARDS CAD DRAWINGS** 

MOMENT SLAB

RUMBLE STRIP DETAIL (AT STOP SIGN LOCATIONS)

RUMBLE STRIP/STRIPE

SAFETY EDGE

STANDARD PLAN 5-297.219

STANDARD PLATE 3006

**SURCHARGE** 

CHAPTER 4: EARTHWORK and SOILS & CONSTRUCTION NOTES

(Revised 04-18-19) 2106 EARTHWORK PAY ITEMS

2411 & 2451 STRUCTURE EXCAVATION CLASS

**BITUMINOUS REMOVAL** 

**BRIDGE APPROACH TREATMENTS** 

CHECK EARTHWORK QUANTITIES

**CONSTRUCTION NOTES** 

**EXCESS MATERIAL** 

NRHP-ELIGIBLE HISTORIC ROADSIDE PROPERTIES

PIPE JACKING

PIT DATA

SUBGRADE EXCAVATION

CHAPTER 5: UTILITIES

(Revised 04-18-19) GENERAL UTILITY INFORMATION

MnDOT'S 14-STEP UTILITY COORDINATION PROCESS

ABBREVIATED UTILITY COORDINATION PROCESS

DEPICTING UTILITY FACILITIES ON PLANS

UTILITY AGREEMENTS AND PERMITS UNIT

**MUNICIPAL UTILITIES** 

UTILITIES – BUY AMERICA

CHAPTER 5: <u>UTILITIES (Continued)</u>

(Revised 04-18-19) TRENCHING FOR UTILITIES

ROUNDABOUTS AND UTILITY COORDINATION

**UTILITIES NEAR FOUNDATIONS** 

CHAPTER 6: <u>STAGING and BYPASS</u>

(Revised 04-18-19) TRAFFIC ON OPPOSING ROADWAY

TEMPORARY CULVERT TEMPORARY GUARDRAIL

**CHAPTER 7:** *ALIGNMENT* 

(Revised 04-30-19) QUALITY MANAGEMENT

CHAPTER 8: INPLACE TOPOGRAPHY and REMOVALS

(Revised 04-18-19) BUILDING REMOVALS

REMOVE BITUMINOUS PAVEMENT REMOVE BITUMINOUS SHOULDER REMOVE CONCRETE PAVEMENT

REMOVE PAVEMENT RIGHT-OF-WAY NOTE

CHAPTER 9: PLAN and PROFILES

(Revised 04-18-19) CROSSOVER DRAINAGE

**LEGENDS** 

MEDIAN CROSSOVER/SIGNALIZED

PLAN SHEETS

SPECIAL DITCH GRADES

CHAPTER 10: PAVING

(Revised 04-18-19) AGGREGATE

AGGREGATE BEDDING

**BITUMINOUS ITEMS IN PLANS** 

COMPACTION OF BITUMINOUS MIXTURES

CONCRETE JOINT PAY ITEMS

**CONCRETE OVERLAYS** 

CONCRETE PAVEMENT REHABILITATION (CPR) CONCRETE PAVING PLAN JOINT LAYOUT SHEETS

CONCRETE PAY ITEMS (NOT ALTERNATE BID)

**DOWEL BARS** 

DIAMOND GRINDING

**HEADERS** 

INCLUSION OF 1717 WHEN USING 2399 FOR CONCRETE PAVING

JOINT SEALING REQUIREMENTS

NON WEARING COURSE

**OVERLAY TRANSITION TAPERS** 

CHAPTER 10: <u>PAVING (Continued)</u>

(Revised 04-18-19) QUALITY MANAGEMENT

**RUMBLES IN CONCRETE** 

ROADWAY PROFILE FOR CONCRETE OVERLAYS

SUBGRADE PREPARATION

CHAPTER 11: WALLS

(Revised 04-18-19) MODULAR BLOCK WALL (DRY CAST)

PREFABRICATED MODULAR BLOCK WALL (WET CAST)

**RETAINING WALLS** 

CHAPTER 12: DRAINAGE

(Revised 04-30-19) 15" SAFETY APRON

**CASTING ASSEMBLY** 

CHINOOK WINDS AND WINTER SNOWS

CLASSES FOR REINFORCED CONCRETE ARCH PIPE

CULVERT APRONS IN THE CLEAR ZONE

CULVERT WORK DEWATERING

DRAINAGE FLOW ARROWS

DRAINAGE STRUCTURES ON ALTERNATE BID PLANS

**GRATES** 

HEADWALLS (POLYETHYLENE OPTION)

INPLACE DRAINAGE STRUCTURES

PARALLEL PIPES AND APRONS IN THE MEDIAN

PIPE BEDDING PIPE GAUGES PIPE LINING

PLASTIC PIPE OPTION FOR STORM SEWER AND CULVERTS

STANDARD PLATE 3022 STANDARD PLATE 4134

WHAT IS IT?

CHAPTER 13: <u>TURF ESTABLISHMENT and EROSION CONTROL</u>

(Revised 04-18-19) CULVERT END ENERGY STABILIZATION

EROSION CONTROL BLANKET PRODUCTS (RECP)

EROSION CONTROL SUPERVISOR

**MULCH MATERIAL TYPE 4** 

**NATIVE MIXES** 

SEDIMENT CONTROL STANDARD PLAN SHEETS

SITE MANAGEMENT PLAN (SMP)

STRAW MULCH MATERIALS

TURBIDITY BARRIER

**VEGETATIVE COVER REQUIREMENTS** 

WORK EXCLUSION DATES TO ALLOW FISH SPAWNING & MIGRATION

CHAPTER 14: GUARDRAIL and BARRIERS

(Revised 04-30-19) B8338 GUARDRAIL

REMOVING DESIGN SPECIAL

**GUARDRAIL END TREATMENTS** 

REMOVING GUARDRAIL PLATE BEAM-POSTS ONLY

REMOVING GUARDRAIL PLATE BEAM-RAIL ONLY

REMOVING GUARDRAIL PLATE BEAM-COMPLETE SYSTEM

**GUARDRAIL HEIGHTS** 

"J" RAIL DESIGN SPECIAL

PLATE BEAM GUARDRAIL BEHIND 3-CABLE GUARDRAIL

**RUBRAIL** 

**BULLNOSE LENGTH** 

CABLE GUARDRAIL

HIGH TENSION CABLE GUARDRAIL

SALVAGE AND INSTALL 3-CABLE GUARDRAIL

CONCRETE END POST

GUARDRAIL - POST SEAT

GUARDRAIL ATTACHMENT TO BARRIER

**GUARDRAIL REPLACEMENT** 

IMPACT ATTENUATOR BARRELS

**IMPACT ATTENUATORS** 

PORTABLE PRECAST CONCRETE BARRIER

SHORT RADIUS GUARDRAIL

STIFFENED GUARDRAIL

T-BARRIER BRDIGE CONN DES 8318

TYPE 31 VS B8338 GUARDRAIL

**TYPE 31 GUARDRAIL** 

REMOVE APPROACH GUARDRAIL TRANSITION (AGT)

**GUARDRAIL END TREATMENTS** 

CONNECTING TO BARRIERS OTHER THAN SINGLE SLOPE

CONNECTING TO BULLNOSE

CONNECTING TO SHORT RADIUS

TYPE 31 END TREATMENT SHOWN IN PLAN VIEW

TYPE 31 GUARDRAIL WORKING WIDTH

CHAPTER 15: FENCING

(Revised 04-18-19) CHAIN LINK FENCE PAY ITEMS

CHAIN LINK FENCE TOP RAIL

FENCE LOCATION

**SNOW FENCING** 

CHAPTER 16: TRAFFIC

(Revised 04-30-19) ADVANCED WARNING SIGN SPACING

CENTERLINE MARKINGS

INTERIM PAVEMENT MARKINGS – ITEM 2580

INTERIM STRIPING TYPICAL

CHAPTER 16: <u>TRAFFIC (Continued)</u>

(Revised 04-30-19) MULTI COMP VS EPOXY

ONE DIRECTION LARGE ARROW PAVEMENT MARKING TYPICALS

PAVEMENT MESSAGES

RADIUS CORNERS ON TYPE D SIGNS

RAISED PAVEMENT MARKERS TEMPORARY

REMOVABLE PAVEMENT MESSAGES

**RUMBLE STRIPES** 

ALTERNATE PEDESTRIAN ROUTE (APR) TRAFFIC CONTROL – TABULATIONS

TRAFFIC DETAILS

WET REFLECTIVE MARKINGS

CHAPTER 17: CROSS SECTION

(Revised 04-18-19) CROSS SECTION/UTILITIES

**EARTHWORK ON CROSS SECTIONS** 

CHAPTER 18: GENERAL NOTES and MISCELLANEOUS

(Revised 04-30-19) ADDENDUM SIGNATURE BLOCK

CHANGING PROJECT SCOPE

CONTRACTORS CROSSING OF RAILROADS

**DEFINITION OF INSTALL** 

**DESIGN EXCEPTIONS** 

DISADVANTAGED BUS ENT & TARGETED GROUP BUS

**DRAFTING STANDARDS** 

**GRAMMAR TIPS** 

**HEADS UP** 

**IDIQ PAY ITEMS** 

INCIDENTAL WORK VS INCLUDED IN WORK

LOCAL FEDERAL AID ON MNDOT LET PROJECTS

**LUMP SUM ITEMS** 

MUNICIPAL AGREEMENTS FOR STATE LET PROJECTS

NON-MnDOT LET PROJECTS

NPDES PERMIT APPLICATIONPLAN REDUCTION REPORT (PHASE 1)

PLAN REDUCTION REPORT (PHASE 2)

PLAN SHEET SIGNATURES

PROCESS "A" PLANS

PROPRIETARY ITEMS IN PLANS

ROAD DESIGN PLANS FINAL CHECKLIST

**ROADWAY LABELS** 

STATE AID PROJECT NUMBERS

SUPPLEMENTAL AGREEMENTS

TRACKING CHANGES IN SPECIAL PROVISIONS