AN SUPPRETED BY DATE TE GOOD ALLONDED CONTROL OFFICE TO WAY OFFICE CADO FILE NAME CADO FILE N

BLR18-4

BLR21-6

BLR22-4

NONE

Commitments

List of Standards

No. Description

000001-04	STANDARD SYMBOLS. ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
420401-05	BRIDGE APPROACH PAVEMENT
424001-04	CURB RAMP FOR SIDEWALKS
515001-02	NAME PLATE FOR BRIDGES
542301-01	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542401	METAL END SECTION FOR PIPE CULVERTS
602301-01	INLET - TYPE A
602306-01	INLET TYPE B
602401-01	MANHOLE TYPE A
602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-01	MANHOLE STEPS
604001-02	FRAME AND LIDS TYPE 1
604006-02	FRAME AND GRATE TYPE 3
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
630001-07	STEEL PLATE BEAM GUARDRAIL
630201-04	PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
631031-06	TRAFFIC BARRIER TERMINAL, TYPE 6
635001	DELINEATORS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DEVICES
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-02	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-01	TRAFFIC SIGNAL GROUNDING & BONDING
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
BLR17-3	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION

TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

Project Specific General Notes

CONTRACT NO.: 91358

- 1. COMPLETE IMPROVEMENTS TO WINTER AVENUE, BOWMAN AVENUE, AND THE PROPOSED BICYCLE PATH WILL BE CONSTRUCTED IN THREE CONTRACTS. THIS CONTRACT CONSTRUCTS THE WEST AND EAST PORTION OF THE OVERALL IMPROVEMENT.
- 2. ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- 3. NO WORK SHALL COMMENCE UNTIL THE PROPOSED TRAFFIC CONTROL IS APPROVED
- 4. TREES NOT TO BE MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS. SPECIFIC TREES CLOSE TO THE CONSTRUCTION LIMITS HAVE BEEN INDICATED WITH THE PAY ITEM TREE TRUNK PROTECTION.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION
- 6. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 7. UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES, EXCEPT FOR THOSE. WHICH HAVE BEEN NOTED AS PAY ITEMS.
- 8. MAILBOXES SHALL REMAIN IN SERVICE AT ALL TIMES AND SHALL BE RELOCATED AS NECESSARY DURING CONSTRUCTION. FINAL LOCATION OF MAILBOX SHALL BE DETERMINED BY THE ENGINEER BUT SHOULD BE AS NEAR AS PRACTICAL TO ITS ORIGINAL LOCATION AND PLACED BEHIND THE PROPOSED CURB OR PCC DRIVEWAY PAVT.
- THE CONTRACTOR SHALL DEVELOP A PLAN TO ACCOMPLISH THIS WORK AND MINIMIZE DISRUPTION OF ACCESS. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO START OF WORK.
- 10. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 11. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
- 12. STORM SEWER WATERMAIN IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATERMAIN IS LESS THAN 10 FT AND THE WATERMAIN INVERT IS LESS THAN 1.5 FT ABOVE THE STORM SEWER CROWN.
- 13. STORM SEWER, RUBBER GASKET IS TO BE USED AT LOCATIONS WHERE THE WATERMAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATERMAIN IS LESS THAN 1.5 FT ABOVE THE TOP OF THE SEWER.

- 14. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THIS SHEET.
- 15. IT IS THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
- 16. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
- 17. UNLESS INDICATED ON THE PLANS ALL MANHOLES SHALL BE FURNISHED WITH ECCENTRIC CONES, OR FLAT SLAB TOPS HAVING ECCENTRIC OPENINGS. MANHOLE LIDS THAT FALL IN THE DRIVING LANE SHALL BE ALIGNED SUCH THAT THE OFFSET SHOWN IN THE PLAN IS TO THE CENTER OF THE STRUCTURE AND THE CENTER OF THE LID.
- 18. REMOVAL OF AGGREGATE DRIVEWAY MATERIAL AS SHOWN IN THE PLANS IS INCLUDED IN THE COST OF EARTH EXCAVATION.
- 19. ALL SAW CUTS ARE INCLUDED IN THE COST OF THE FOLLOWING PAY ITEMS: PAVEMENT REMOVAL & DRIVEWAY PAVEMENT REMOVAL
- 20. THEORETICAL RIM ELEVATION, AS SHOWN IN THE SCHEDULES, IS APPLIED AT THE FLOWLINE OF THE GUTTER FOR STRUCTURES ALONG THE ROADWAY.
- 21. THEORETICAL RIM ELEVATION, AS SHOWN IN THE SCHEDULES. IS APPLIED AT THE EDGE OF THE AREA DRAINS FOR SPECIAL FRAMES AND GRATES AND TYPE 7 GRATES.
- 22. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929.
- 23. THE THERMOPLASTIC PAVEMENT MARKING LINE 4" HAS BEEN DIVIDED AS FOLLOWS: 2485.6 WHITE LINES 12517.8 YELLOW LINES 15003.4 TOTAL
- 24. QUANTITIES HAVE BEEN PROVIDED IN THIS CONTRACT FOR THE REPLACEMENT OF THE FOLLOWING ITEMS IF THEY ARE DAMAGED DURING THE REMOVAL AND RE-ERECTION OF THE VARIOUS GUARDRAIL ITEMS:
 - GUARDRAIL MARKERS = 5 EACH
- TERMINAL MARKERS-DIRECT APPLIED = 1 EACH
 THIS WORK IS TO BE DONE IN ACCORDANCE WITH ARTICLE 633 OF THE STANDARD
 SPECIFICATIONS AND AT THE DIRECTION OF THE ENGINEER. SOME OR ALL OF THE
 QUANTITIES FOR GUARDRAIL MARKERS AND TERMINAL MARKERS DIRECT APPLIED MAY
 BE DELETED IF THE EXISTING ITEMS CAN BE SALVAGED.
- 25. AN ADDITIONAL QUANTITY OF SEEDING, CLASS 1A IS INCLUDED IN THIS CONTRACT TO PERMANENTLY SEED PREVIOUSLY DISTURBED AREAS WHICH HAVE BEEN PREVIOUSLY SEEDED WITH CLASS 7 SEEDING. THIS WORK IS TO BE DONE IN ACCORDANCE WITH ARTICLE 250 OF THE STANDARD SPECIFICATIONS. THE AREAS TO BE SEEDED BEYOND THE CONSTRUCTION LIMITS OF THIS CONTRACT OCCUR AROUND THE STONEY CREEK BRIDGE AS NOTED ON THE PLANS.

PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: YEAR 2025
PV = 10434 SU = 555 MU = 111
ROAD/STREET CLASSIFICATION: CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 94.0 S = 5.0 M = 1.0

TRAFFIC FACTOR: TF = 0.86 D_T = 4.04 (REQUIRED)
DT = 4.05 (PROVIDED)

SURFACE AND TOP BINDER = SBS PG64-28
BOTTOM BINDER = PG 64-22
SUBGRADE SUPPORT RATING:
IBR = 3
PAVEMENT STRUCTURE MATERIALS:
HOT-MIX ASPHALT SURFACE COURSE; a₁ = 0.40
HOT-MIX ASPHALT BINDER COURSE; a₂ = 0.33
AGGREGATE BASE COURSE; a₃ = 0.11

REVISIONS
NAME
DATE
WINTER AVENUE RECONSTRUCTION

LIST OF STANDARDS,
GENERAL NOTES & COMMITMENTS

SCALE: NTS DRAWN BY: MBF DATE: 12/21/06 CHECKED BY: SMK