

**GENERAL NOTES**

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18.

ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

ALL NONESSENTIAL ELECTRIC CABLE SHALL BE REMOVED FROM EXISTING CONDUIT THAT IS TO BE USED FOR INSTALLATION OF PROPOSED ELECTRIC CABLE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE PROPOSED ELECTRIC CABLE PAY ITEM.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

TRENCH BACKFILL REQUIRED FOR STORM SEWER, SANITARY SEWER OR WATER MAINS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.

STONE RIPRAP USED IN DITCHES SHOULD BE PLACED IMMEDIATELY UPON COMPLETION OF EARTHWORK AND GRADING IN ORDER TO PREVENT EROSION.

CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

TREES SHALL BE PRESERVED THROUGHOUT THIS CONTRACT AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

EXISTING DRIVEWAYS WILL BE SAWCUT TO OBTAIN A NEAT EDGE FOR REMOVAL AND REPLACEMENT. THE COST OF THE SAWCUT IS INCLUDED IN THE COST OF DRIVEWAY PAVEMENT REMOVAL.

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE REMOVAL OF EXISTING ENTRANCE PIPE CULVERTS ENCASED IN CONCRETE WILL BE CONSIDERED INCLUDED IN THE OTHER ITEMS OF CONSTRUCTION IF ONLY THE ENDS OF THE CULVERT (2 FT. OR LESS) ARE ENCASED. IF MORE THAN (2 FT.) AT THE ENDS OF THE CULVERT ARE ENCASED IN CONCRETE, THE REMOVAL WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

THE QUANTITY FOR BITUMINOUS MATERIALS PRIME COAT INCLUDED IN THE PLANS IS BASED ON 1 APPLICATION ON AGGREGATE SUBGRADE AND 1 APPLICATION FOR WINTER SHUTDOWN. THE ACTUAL QUANTITY MAY VARY DEPENDENT ON THE CONTRACTOR'S SEQUENCE OF OPERATIONS.

ON IL 13 ADD LANES AND OTHER LOCATIONS AS DETERMINED BY ENGINEER; THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5/8 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

(FOR USE ON TWO-LANE PAVEMENTS)  
THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL, OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR. AT DIVISION STREET NORTH AND SOUTH THE STAMP SHALL BE PLACED ON BOTH OUTSIDE LANES.

WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

IN AREAS WHERE MULTIPLE RUNS OF PARALLEL CONDUIT ARE IN THE SAME LOCATION, TRENCH AND BACKFILL WILL ONLY BE PAID FOR ONCE.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/ CU YD
ALL AGGREGATE	2.05 TONS/ CU YD
RIPRAP	1.50 TONS / CU YD
WEIGHT OF EARTH	110 LBS / CU FT
LIME	5% WEIGHT OF EARTH

ALL OBSTRUCTIONS WHICH ARE WITHIN THE CLEAR ZONE SHOWN ON THE TYPICAL SECTION, AND ARE NOT SHIELDED BY THE PROPOSED GUARDRAIL, SHALL BE REMOVED. TYPICAL OBSTRUCTIONS ARE HEADWALLS, FOUNDATIONS, ETC. WHICH PROJECT 4 IN. OR MORE ABOVE THE GROUND LINE; AND TREES WHICH WILL MATURE TO A DIAMETER OF 4 IN. OR GREATER.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8%. THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

ON ALL SUPERELEVATED CURVES, THE PROPOSED BASE COURSE WIDENING SHALL BE CONSTRUCTED WITH A SLOPE CONFORMING TO THE RATE OF SUPERELEVATION OF THE PROPOSED PAVEMENT.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL, SURFACE COURSE, AND BINDER COURSE; AT ADD LANE LOCATIONS, THE SURFACE COURSE ONLY.

WHEN WIDENING FLEXIBLE BASE PAVEMENT, THE CONTRACTOR SHALL TRIM ALL SURFACE AND BASE TO A FIRM, NEAR VERTICAL PLANE BEFORE CONSTRUCTING THE WIDENING. THE COST OF THIS REQUIREMENT IS INCLUDED IN THE UNIT PRICE BID FOR THE BASE COURSE WIDENING.

BITUMINOUS RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUTDOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT AT NO ADDITIONAL COST.

THE LIGHT POLES SHALL BE SIGNED WITH THE POLE NUMBER AS SHOWN ON THE WIRING DIAGRAM.

PROPOSED LIGHT POLE FOUNDATION SHALL BE FLUSH WITH EXISTING SURFACE.

CONDUIT PUSHED UNDER A DRIVEWAY MAY BE TRENCHED IF APPROVED BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SURFACE TREATMENT REPLACEMENT TO THE LIMITS DIRECTED BY THE ENGINEER.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

PROJECT SIGNING PLAN ROADWAY NAMES DETAIL DIFFERENT STREET NAMES THAN THE REMAINDER OF THE PLAN SET, AS DIRECTED BY THE DISTRICT. SIGNING PLAN NAMES ARE TO BE USED FOR SIGNS AND PLAN ROADWAY NAME LABELS DO NOT AFFECT THIS NAMING CONVENTION.

ALL EXISTING PAVEMENT MARKINGS ARE TO BE REMOVED WITHIN THE PROJECT AND IMPROVEMENT LIMITS AS SHOWN ON THE PLANS. SEE REMOVAL SCHEDULE FOR DETAILS AND TOTAL QUANTITIES OF PAVEMENT MARKING REMOVAL (50 FT).

INVERT ELEVATIONS FOR EXISTING PIPES HAVE BEEN SHOWN ON THE PLANS WHEN SURVEY INFORMATION WAS AVAILABLE. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS FOR EXISTING PIPES IN THE FIELD AT THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

TOP OF GRATE ELEVATIONS FOR FIELD INLET STRUCTURES SHOWN ON THE PLANS WERE DETERMINED BY COMPUTER TERRAIN MODELING. THE RESIDENT ENGINEER MAY REVISE THE TOP OF GRATE ELEVATIONS AT THE TIME OF CONSTRUCTION BASED ON FIELD CONDITIONS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL SURFACE DRAINAGE WITHIN THE PROJECT LIMITS. ALL STORM SEWER AND DITCH FLOWS MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THE PLAN QUANTITY FOR DETECTOR LOOPS ARE APPROXIMATE. TO BE USED AT THE IL 13 RESURFACING THROUGH DIVISION STREET. THE ACTUAL QUANTITY SHALL BE DETERMINED BY THE ENGINEER AFTER THE HOT-MIX ASPHALT SURFACE REMOVAL 2" HAS BEEN COMPLETED AT THE INTERSECTION.

THE PLAN QUANTITY FOR CLASS A PATCHES, TYPE II, 14 INCH, PATCHING REINFORCEMENT, CLASS B PATCHES, TYPE I & II, 14 INCH, DOWEL BARS 1/2" AND SAW CUTS FOR PATCHING ARE APPROXIMATE. TO BE USED AT THE IL 13 RESURFACING. THE ACTUAL QUANTITY SHALL BE DETERMINED BY THE ENGINEER.

THE EXACT LOCATION OF THE BOLLARDS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

REV. 4-16-14

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