# INDEX OF SHEETS

- TITLE SHEET
- 2 GENERAL NOTES
- 3-5 SUMMARY OF QUANTITIES
- 6-7 TYPICAL SECTIONS
- ALIGNMENT & TIES 8
- 9-12 REMOVAL PLAN
- 13-18 PLAN & PROFILE
- 19-22 DRAINAGE AND UTILITY PLANS
- 23-26 FROSION CONTROL PLANS
- 27-30 PAVEMENT MARKING SIGNING AND LANDSCAPING PLANS
- 31-45 LIGHTING PLANS
- 46-47 SIDEWALK / ADA DESIGN
- VILLAGE OF SCHAUMBURG DETAILS 48
- 49-56 DISTRICT ONE DETAILS
- 57-66 CROSS SECTIONS

# DISTRICT 1 DETAILS

- PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- BD-32 BUTT JOINT AND HMA TAPER DETAILS
- PD-01 PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-01)
- PD-02 PROJECT DETAIL FOR SINGLE PERPENDICULAR CURB RAMPS (PD-02)
- PD-03 PROJECT DETAIL FOR DOUBLE PERPENDICULAR CURB RAMPS (PD-03)
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- TC-13 TYPICAL PAVEMENT MARKINGS
- TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

# IDOT STATE STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 424006-05 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424026-03 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
- 442201-03 CLASS C AND D PATCHES
- 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE 701006-05
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

# **GENERAL NOTES**

### SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016. (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS; THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

### TRAFFIC CONTROL AND PROTECTION:

- ONE LANE IN EACH DIRECTION FOR LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT FOR APPROVED ROAD CLOSURES. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES INCLUDING FLAGGERS REQUIRED TO MAINTAIN SAID TRAFFIC. THE CONTRACTOR SHALL SCHEDULE HIS/HER WORK SO THAT NO HOLES WITHIN THE RIGHT OF WAY REMAIN OPEN OVERNIGHT.
- ACCESS TO ABUTTING PROPERTY SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT PRIOR TO REMOVING DRIVEWAY THE CONTRACTOR SHALL PROVIDE THE VILLAGE SUFFICIENT TIME TO PROVIDE A 24 HOURS ADVANCED WARNING TO THE RESIDENT/OWNER OF THE DRIVEWAY. TIME REQUIRED FOR CONSTRUCTION AT DRIVEWAYS SHALL BE LIMITED TO THE MINIMUM TIME REQUIRED FOR SAID CONSTRUCTION AND NO LESS THAN 3 DAYS AFTER CURB AND GUTTER HAS BEEN PLACED, IF REQUIRED, TEMPORARY AGGREGATE SURFACE FOR DRIVEWAY ACCESS SHALL BE

# **GENERAL NOTES**

IMMEDIATELY AFTER THE EXISTING HOT-MIX ASPHALT STREET SURFACE HAS BEEN REMOVED, TEMPORARY RAMP SHALL BE CONSTRUCTED WHERE REQUIRED TO ELIMINATE EXCESSIVE DROP-OFFS AT EACH DRIVEWAY

### CONSTRUCTION LIMITS AND PROTECTION OF PUBLIC/PRIVATE PROPERTY:

- THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES. SHRUBS, MAILBOXES, FENCES, DRAIN LINES. POWER LINES, AND OTHER PUBLIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER
- THE CONTRACTOR SHALL CONFINE OPERATIONS WITHIN THE DEDICATED ROADWAY RIGHTS-OF-WAY OR EASEMENTS OBTAINED BY THE VILLAGE OF SCHAUMBURG, ANY DAMAGE OUTSIDE OF SAID RIGHTS-OF-WAY OR EASEMENTS SHALL BE REPAIRED BY THE CONTRACTOR.

#### MATERIAL INSPECTION:

ALL MATERIALS INCORPORATED IN THIS PROJECT ARE TO BE INSPECTED ACCORDING TO SECTION 106 OF THE STANDARD SPECIFICATIONS AND THE PROJECT PROCEDURES GUIDELINES (PPG).

NOTE DELETED 

#### CLEANING AND DISPOSAL:

- PRIOR TO APPLYING THE BITUMINOUS PRIME COAT, THE BASE SURFACE INCLUDING GUTTERS SHALL BE CLEANED OF LOOSE GRINDINGS, LEAVES, DUST, DIRT, WEEDS AND OTHER FOREIGN MATERIALS.
- THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS, AND WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER.
- ALL EXCESS MATERIAL AND ANY OTHER DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN OFF-SITE DISPOSAL AREA. EXISTING FRAMES AND GRATES IN GOOD CONDITION, AND NOT SCHEDULED FOR REUSE, SHALL BE LOADED AND DELIVERED TO THE VILLAGE OF SCHAUMBURG STORAGE YARD AT 714 SOUTH PLUM GROVE ROAD
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AS THE WORK PROCEEDS. RESTORATION SHALL PROCEED IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS WITH SODDING TO BE PLACED BEGINNING SEPTEMBER 1. IF THE OWNER OR THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE. PILES OF EXCAVATED MATERIAL (PAVEMENT, STONE, SOIL, ETC.) SHALL BE REMOVED FROM THE SITE AT THE END OF THE WORK DAY.

## PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION:

- THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION ALL DRAINAGE STRUCTURES ARE TO BE KEPT FREE OF ANY DEBRIS RESULTING FROM THE CONSTRUCTION OPERATIONS ALL WORK AND MATERIAL NECESSARY TO PREVENT ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES WILL BE INCLUDED IN THE COST OF INLET FILTERS. ANY ACCUMULATION OF DEBRIS IN THE DRAINAGE STRUCTURES RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REMOVED.
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS WHEN WORKING NEAR OR ABOVE EXISTING SEWERS IN ORDER TO PROTECT THESE PIPES DURING CONSTRUCTION FROM ANY DAMAGE RESULTING FROM HIS OPERATIONS, ALL WORK AND MATERIAL NECESSARY TO REPLACE EXISTING SEWERS DAMAGED BECAUSE OF NONCOMPLIANCE WITH THIS PROVISION SHALL BE AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH SECTION 603 OF THE "STANDARD SPECIFICATIONS"

## MISCELLANEOUS

- PAVEMENT, CURB AND GUTTER, SHOULDERS, AND/OR ANY OTHER STRUCTURE REMOVALS SHALL BE ACCORDING TO SECTION 440 OF THE STANDARD SPECIFICATION EXCEPT AS DESCRIBED HEREIN. THE USE OF ANY TYPE OF CONCRETE BREAKERS THAT MAY DAMAGE UNDERGROUND PUBLIC AND/OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.
- THE CONTRACTOR IS PROHIBITED FROM BREAKING UP CONCRETE OR ASPHALT BY DROPPING IT ON PAVEMENT, OR IN ANY OTHER MANNER THAT IN THE OPINION OF THE ENGINEER OR REPRESENTATIVE OF THE ENGINEER MAY DAMAGE EXISTING OR PROPOSED PAVEMENTS. OR OTHER ROADWAY APPURTENANCES
- ALIGNMENT DATUM AS SHOWN ON THE PLANS IS INCLUDED FOR INFORMATION PURPOSES ONLY. THE INTENT IS TO RECREATE THE ALIGNMENTS IN THE EXISTING LOCATIONS, AND RESURFACE THE STREET IN ITS EXISTING LOCATIONS.

SCALE: N/A

# **GENERAL NOTES**

- EXISTING SIGNS ARE TO REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION. SHOULD EXISTING SIGNS REQUIRE TEMPORARY REMOVAL FOR CONSTRUCTION OPERATIONS THE EXISTING SIGNS SHALL BE REPLACED AT ITS PRECONSTRUCTION LOCATION
- LOCATIONS SHOWN FOR SIDEWALK REPLACEMENT ARE APPROXIMATE. THE CONTRACTOR SHALL CONFIRM WITH THE ENGINEER IN THE FIELD PRIOR TO PERFORMING THE WORK
- BEGINNING AT STATION 208+25, THE SHARED USE PATH SHALL BE INSTALLED AT ONE (1) FOOT OFFSET SOUTH OF THE ROW. THIS IS TO PROVIDE A UNIFORM LOCATION, AS THE EXISTING SIDEWALK LOCATION VARIES FROM APPROXIMATELY 0.5 FEET TO 1.5 FEET SOUTH OF THE ROW.
- 22 AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) HAS BEEN PROVIDED FOR USE AT THE LOCATION INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR LINSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREAGTE SUBGRADE IMPROVEMENT (CU.YD.) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC STANDARD AND CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOIL ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

### CURB AND GUTTER REPLACEMENT:

- THE THICKNESS OF THE PROPOSED GUTTER FLAG SHALL BE 10" UNLESS OTHERWISE STATED IN THE
- LOCATIONS SHOWN FOR REPLACEMENT ARE APPROXIMATE. THE CONTRACTOR SHALL CONFIRM WITH THE ENGINEER IN THE FIELD PRIOR TO PERFORMING THE WORK
- AFTER SPOT REMOVAL AND REPLACEMENT OF CURB AND GUTTER ON ALL VILLAGE STREETS TO BE RESURFACED. THE CONTRACTOR SHALL FRONT FILL THE DAMAGED PAVEMENT WITH 1/4" TO 1/2" COARSE FRAP, OR CM16 (3/8") CRUSHED CHIP OR ANOTHER AGGREGATE APPROVED BY THE ENGINEER PRIOR TO FRONT FILLING THE DAMAGED PAVEMENT, THE CONTRACTOR SHALL CLEAN ALL DEBRIS FROM THE AREA TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE DONE PRIOR TO THE PLACEMENT OF BINDER COURSE.
- DISTURBED PAVEMENT ADJACENT TO NEW CURB AND GUTTER SHALL BE RESTORED IMMEDIATELY FOLLOWING REPLACEMENT OPERATIONS, IN ALL CASES WITHIN THREE (3) WORKING DAYS FROM THE DATE THE CURB AND GUTTER WAS CAST. THE ENGINEER SHALL STOP THE CONTRACTOR FROM FURTHER REMOVAL OPERATIONS AT ANY TIME HE DETERMINES THE RESTORATION IS NOT BEING DONE IN A TIMELY MANNER

### SOD:

- THE CONTRACTOR WILL BE REQUIRED TO UTILIZE WATER FOR SOD INSTALLATION FROM EITHER THE SCHAUMBURG PUBLIC WORKS BUILDING AT 714 SOUTH PLUM GROVE ROAD OR AN ACCEPTABLE OUTSIDE SOURCE VILLAGE POTABLE WATER USE WILL NOT BE ALLOWED. UNDER NO. CIRCUMSTANCES SHALL A CONTRACTOR OBTAIN WATER BY OPENING A VILLAGE FIRE HYDRANT.
- A PRE-SOD INSTALLATION INSPECTION SHALL BE HELD WITH THE ENGINEER, GENERAL CONTRACTOR, AND LANDSCAPE SUB-CONTRACTOR. APPROVAL BY THE ENGINEER WILL BE REQUIRED PRIOR TO THE
- SOD AND TOPSOIL SHALL BE OBTAINED FROM AN IDOT APPROVED SUPPLIER. MATERIAL CERTIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR ALL MATERIALS PLACED.

### CONSTRUCTION OPERATIONS / DRIVEWAY ACCESS:

- THIS PROJECT IS LOCATED WITHIN A FULLY DEVELOPED RESIDENTIAL AREA. IN ORDER TO MINIMIZE THE IMPACT OF CONSTRUCTION TO RESIDENTS THE CONTRACTOR SHALL PLAN HIS WORK AS FOLLOWS OR AS DETERMINED BY THE ENGINEER OR REPRESENTATIVE OF THE ENGINEER. PLAN DETAILS SHALL BE INDICATED ON THE CONSTRUCTION SCHEDULE SUBMITTED AT THE PRECONSTRUCTION MEETING. • INSTALLATION OF UNDERDRAINS AND STORM SEWER IMPROVEMENTS; • REMOVAL AND REPLACEMENT OF CURB, DRIVEWAY AND SIDEWALK; • PAVEMENT REMOVAL/ PAVEMENT SURFACE REMOVAL; • PAVEMENT REPLACEMENT; • INSTALLATION OF PAVEMENT MARKINGS: • SOD REPLACEMENT
- RESIDENTS WILL REQUIRE ACCESS TO THEIR HOMES DURING CONSTRUCTION OPERATIONS. THE ENGINEER OR REPRESENTATIVE OF THE ENGINEER WILL COORDINATE ANY RESIDENT SPECIAL NEEDS. THE CONTRACTOR SHALL, WHERE REQUIRED BY THE ENGINEER OR REPRESENTATIVE OF THE ENGINEER, PROVIDE IMMEDIATE ACCESS TO DRIVEWAYS AND INTERSECTING STREETS. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE ACCESS FOR EMERGENCY VEHICLES DURING THE TIME OF CONSTRUCTION
- ANY DRIVEWAY APRON THAT IS ADJACENT TO THE CURB AND GUTTER THAT IS TO BE REMOVED OR DISTURBED SHALL BE RESTORED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR REPRESENTATIVE OF THE ENGINEER AFTER THE NEW CURB AND GUTTER HAS BEEN CONSTRUCTED THE CONTRACTOR MUST SCHEDULE THIS WORK SUCH THAT ONLY ONE SIDE OF THE STREET WILL BE UNDER CONSTRUCTION AT ANY ONE TIME. IN NO CASE SHALL AN OPEN EXCAVATION CAUSED BY REMOVAL OF EXISTING CURB AND GUTTER, DRIVEWAY OR SIDEWALK, WHETHER FORMED OR NOT FORMED, REMAIN OPEN FOR MORE THAN 3 WORKING DAYS.

TO STA, N/A



DESIGNED - JMY / MJK REVISED - #1 - 7/12/2021 USER NAME = jamesy DRAWN - MJK REVISED PLOT SCALE = 2.0000 '/ in. CHECKED - JMY REVISED PLOT DATE = 7/12/2021 DATE REVISED - 04/30/2021

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

**GENERAL NOTES** SHEET 1 OF 1 SHEETS STA. N/A

SECTION COUNTY 17-00129-00 PV COOK | 66 | 2 0001A CONTRACT NO. 61HO7 TILLINOIS FED. AID PROJECT