

ACCESS

THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS FOR EMERGENCY VEHICLES INGRESS AND EGRESS ONTO PRIVATE & COMMERCIAL PROPERTY DURING THE CONSTRUCTION PERIOD. DURING CONSTRUCTION, GARBAGE TRUCKS MUST BE PERMITTED ACCESS TO THE WORK ZONE IN ORDER TO PICK UP RESIDENTIAL AND COMMERCIAL GARBAGE FOR THOSE PROPERTIES FRONTING THE WORK ZONE. IF GARBAGE TRUCK ACCESS IS NOT PROVIDED, THE CONTRACTOR WILL BE REQUIRED TO MOVE TRASH CONTAINERS TO AN ACCESSIBLE LOCATION.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THE DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF BROOKFIELD, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR ITS CONTRACTOR.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE.

THE CONTRACTOR SHALL USE EXTREME CAUTION IN THE REMOVAL OF ABANDONED EXISTING GAS LINES SINCE RESIDUAL MATERIALS CONTAINED THEREIN ARE HIGHLY EXPLOSIVE, FLAMMABLE, AND TOXIC. ONCE THE MAINS ARE ABANDONED BY THE OWNER, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE AND/OR INJURY OCCURRING ON THE PROJECT DUE TO HIS OPERATIONS NEXT TO THE MAINS AND/OR THE METHOD OF REMOVAL OF THE ABANDONED MAINS. UNDER NO CIRCUMSTANCE SHALL THE UTILITY COMPANIES BE HELD LIABLE FOR ANY DAMAGE AND/OR INJURY ONCE THEIR MAINS HAVE BEEN RELOCATED AND THE EXISTING ABANDONED.

STORM SEWER

THE VERTICAL AND HORIZONTAL CLEARANCES BETWEEN WATER MAINS AND PROPOSED OR EXISTING STORM SEWERS SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 41-1.02A THROUGH 41-1.02D OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS".

FRAMES AND GRATES

THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

ON ALL IMPROVEMENTS, THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF BROOKFIELD AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF BROOKFIELD PUBLIC WORKS YARD LOCATED AT 4545 EBERLY AVENUE.

OPEN EXCAVATION

LEAVING OF ANY EXCAVATION NECESSARY FOR PAVEMENT PATCHES OR STRUCTURE ADJUSTMENTS OPEN OVERNIGHT WILL NOT BE ALLOWED ON THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR PLATING OVER OF ALL EXCAVATIONS AT THE END OF EACH DAY. IF THE EXCAVATIONS ARE BACKFILLED THEY SHALL BE FILLED WITH AN AGGREGATE MEETING THE GRADATION OF CA-6. THE MATERIAL WILL BE COMPACTED SUFFICIENTLY TO PREVENT RUTTING OR SETTLEMENT OF MATERIAL UNDER TRAFFIC LOADS. IF PLATES ARE USED THEY SHALL BE OF SUFFICIENT THICKNESS TO SUPPORT VEHICULAR LOADS. ADDITIONALLY THEY SHALL EXTEND A MINIMUM OF NINE INCHES (9") BEYOND THE LIMITS OF THE EXCAVATION ON ALL SIDES. IF THE PLATES ARE TO BE LEFT OVER THE WEEKEND, THE EDGES OF THE PLATES SHALL BE CUSHIONED WITH A BITUMINOUS MIXTURE IN AREAS WHERE VEHICULAR TRAFFIC WILL CROSS THE PLATES.

THE COSTS FOR PROVIDING THE AGGREGATE, PLATES AND BITUMINOUS MIXTURE WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. THE COST OF ALL THE PREVIOUSLY MENTIONED WORK SHALL BE INCLUDED IN THE CONTRACT. ALL ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS AS WELL AS MATERIAL EXISTING BEFORE CONSTRUCTION, SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

EXISTING STRUCTURE MODIFICATIONS

ALL KNOWN EXISTING STRUCTURES IN THE PAVEMENT OR ADJACENT AREAS WHICH ARE INVOLVED IN THE CONSTRUCTION HAVE BEEN SHOWN ON THE PLANS AND NOTED AS TO BE REMOVED, FILLED, RECONSTRUCTED, OR ADJUSTED BY THE CONTRACTOR EXCEPT THOSE OF AMERITECH, COMED, AND THE NICOR GAS COMPANY, WHICH ARE TO BE ADJUSTED BY THE APPROPRIATE UTILITY FORCE. WHERE EXISTING STRUCTURES ARE TO BE REMOVED OR FILLED, OR THE EXISTING CASTING REPLACED, THE CASTINGS REMOVED FROM THE STRUCTURE ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF BROOKFIELD AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF BROOKFIELD PUBLIC WORKS YARD LOCATED AT 4545 EBERLY AVENUE.

SHEETING OR SHORING

IT SHOULD BE NOTED THAT ANY SHEETING OR SHORING REQUIRED FOR THE STORM SEWER INSTALLATION OR OTHER CONSTRUCTION ELEMENTS REQUIRING RELATIVELY DEEP EXCAVATIONS, SHALL BE INCLUDED IN THE PARTICULAR PAYMENT ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY SUPPLEMENTAL WORK ASSOCIATED WITH THE MAINTENANCE OF TRENCH SIDES OR OTHER EXCAVATED AREAS.

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

WHEN DURING THE CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF ANY GUTTERS OR DRAINAGE STRUCTURE SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AND CONCRETE PAVEMENT AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PRICE OF SAW CUTTING, AS NOTED ABOVE, SHALL BE INCLUDED IN THE PARTICULAR PAY ITEMS.

ELEVATION DATUM

THE EXISTING AND PROPOSED ELEVATIONS FOUND ON THE PLANS REPRESENT NGVD 29. A CONVERSION FACTOR OF +0.30' SHALL BE USED TO CONVERT THE DATUM TO NAVD 88.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.

TRAFFIC PROTECTION

CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT WHEN WORK COMMENCES, THE CONTRACTOR SHALL ASSUME THE MAINTENANCE OF ANY PAVEMENT, SHOULDERS, DRAINAGE FACILITIES, TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND OTHER APPURTENANCES ON ROADWAYS WITHIN THE LIMITS OF THE CONTRACT WHICH ARE TO BE USED BY THE PUBLIC DURING CONSTRUCTION AND TO RETAIN THIS MAINTENANCE RESPONSIBILITY UNTIL PROJECT COMPLETION. NEED FOR SNOW AND ICE CONTROL DURING THE CONSTRUCTION PERIOD SHALL BE ACCOMMODATED FOR BY OTHERS. ALL UNBALLASTED TYPE I & TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ONE ACROSS EACH BOTTOM RAIL.

EXISTING ROADWAY SIGNS

ALL EXISTING ROADWAY SIGNS, MARKERS, ETC., LOCATED WITHIN THE ROADWAY RIGHT-OF-WAY WHICH ARE INVOLVED IN THIS CONSTRUCTION SHALL BE REMOVED AND DELIVERED TO THE VILLAGE OF BROOKFIELD PUBLIC WORKS YARD LOCATED AT 4545 EBERLY AVENUE. ALL WORK ASSOCIATED WITH THIS ITEM SHALL BE CONSIDERED INCLUDED IN THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

SOILS REPORT

A SOILS REPORT HAS BEEN PREPARED CONTAINING INFORMATION RELATING TO GENERAL SOIL CONDITIONS TO BE ENCOUNTERED ALONG THE ROUTE OF THE WORK. THE SOILS REPORT FOUND THE PROBABLE DEPTH OF THE LONG TERM GROUNDWATER LEVEL TO BE THAT OF APPROXIMATELY 8 TO 10 FEET BELOW THE SURFACE, AS WELL AS INDICATIONS OF MOISTURE AT VARIOUS LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DEWATERING MEASURES AND INSTALLATION OF AN APPROPRIATE GROUNDWATER CONTROL METHOD, IF NECESSARY.

THE SOILS REPORT IS AVAILABLE FOR REVIEW AT THE OFFICE OF THE ENGINEER (708-865-0300). THE BIDDER WILL BE PERMITTED TO EXAMINE THIS INFORMATION AND DETERMINE ITS VALUE. ANY ADDITIONAL BORINGS DEEMED NECESSARY BY THE CONTRACTOR SHALL BE MADE AT HIS OWN EXPENSE.

PLUGGING EXISTING SEWERS AND DRAINS

UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FOOT LONG NON-SHRINK/MORTAR PLUG. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PAY ITEMS FOR REMOVING AND/OR FILLING THE VARIOUS TYPES OF STRUCTURES.

SUGGESTED SEQUENCE OF WORK OPERATIONS

IT IS ANTICIPATED THAT THE FIRST MAJOR ITEM OF WORK WILL BE THE INSTALLATION OF THE STORM SEWER BEGINNING ON MONROE AVENUE AT PRAIRIE AVENUE AND EXTENDING WEST DOWN MONROE AVENUE. THEN THE STORM SEWER WILL BE INSTALLED ON GRAND BOULEVARD EXTENDING NORTH AND SOUTH OF MONROE AVENUE.

GRAND BOULEVARD WILL REMAIN OPEN TO TRAFFIC FOR AS LONG A PERIOD AS POSSIBLE WHILE THE STORM SEWER IS BEING INSTALLED ON MONROE AVENUE. ONCE THE CONTRACTOR ESTIMATES THAT HE/SHE HAS APPROXIMATELY ONE WEEK OF WORK REMAINING BEFORE HE/SHE REACHES GRAND BOULEVARD WITH THE STORM SEWER, HE/SHE MAY CLOSE GRAND BOULEVARD TO THROUGH TRAFFIC. DURING THIS ONE WEEK PERIOD, ALL OF THE PAVEMENT ABOVE THE PROPOSED STORM SEWER ON GRAND BOULEVARD WILL BE REMOVED AND THE CONTRACTOR WILL PERFORM THE EXPLORATORY EXCAVATION NECESSARY TO DETERMINE THE ELEVATION OF THE EXISTING SEWER SERVICES ON THE WEST SIDE OF GRAND BOULEVARD. ONCE THE ELEVATION OF ALL OF THE SEWER SERVICES HAS BEEN DETERMINED, THE ENGINEER CAN CONFIRM OR MODIFY THE ELEVATIONS OF THE PROPOSED STORM SEWER AND THEN THE CONTRACTOR MAY ORDER THE STORM SEWER STRUCTURES FOR GRAND BOULEVARD.

PAVING OPERATIONS

THE PLACEMENT OF ALL HOT-MIX ASPHALT LAYERS SHALL BE PLACED IN NO MORE THAN TWO (2) PASSES OF THE PAVING EQUIPMENT. THE CENTERLINE JOINTS OF EACH HOT-MIX ASPHALT LAYER SHALL BE OFFSET FROM THE PREVIOUS LAYER, BY A MINIMUM OF THREE INCHES (3"). THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE THEIR OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CENTERLINE WILL HAVE A COLD JOINT OVERNIGHT. ALL INTERSECTION RETURNS SHALL BE PAVED AT THE SAME TIME AS THE MAINLINE PAVEMENT.

Drawing file: W:\Projects\12509232 - Grand Blvd. Design Engineer\Gm-Notes.dwg Nov 21, 2011 - 9:47am



USER NAME -	DESIGNED - WOP, JG	REVISED -
	DRAWN - MK, DMM	REVISED -
PLOT SCALE -	CHECKED - WOP, JG	REVISED -
PLOT DATE -	DATE - 10-24-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1694	07-00122-01-PV	COOK	86	3
FIELD BOOK NO. -AERIALS/LL		CONTRACT NO. 63651		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(875)		

E.H.E. PROJECT NO. 125-09-23201