#### SPECIAL CONDITIONS FOR CONSTRUCTION WITHIN A LAKE COUNTY HIGHWAY RIGHT-OF-WAY

## Work Notification

Prior to starting construction, the Maintenance Section, 847-362-3960, and the Permit Section, 847-362-3950, shall be called and given the construction start date.

## Specifications

The construction and restoration methods and procedures, moterials used and construction signing and traffic control shall, when applicable, conform or meet the standards and requirements set forth in the current "Monual on Uniform Traffic Control Devices for Street and Highways", "Standard Specifications for Rood and Bridge Construction", "Standard Specification for Traffic Control Items", and the "Highway Standards" manual as published or adopted by the Illinois Depariment of Transportation.

#### Field Changes for Watermain or Sewer Location

No changes to the depth or location of the watermain or sever as shown on these plans due to unforeseen field conditions or conflicts can be made unless prior approval has been obtained from the Permit Section of the Lake County Division of Transportation.

#### Additions, Extensions or Deletions for the Watermain or Sewer

No additions, extensions or deletions can be made to the watermain or sewer as shown on these plans unless prior approval has been obtained from the Permit Section of the Lake County Division of Transportation.

### Hazards to the Public

Measures shall be taken to prevent or protect the public from hazards caused by the construction operations.

# Parking of Vehicles, Equipment and Storage of Materials

Construction worker's vehicles and construction equipment shall be parked in areas outside of the County Highway right-of-way or in areas where there will be no interference with the normal use of the highway or vehicle sight distance. Construction materials shall be located at least 12 feet from a through traffic lane or outside of the County Highway right-of-way.

#### Maintaining Existing Traffic Control Devices

Existing traffic control devices that are removed shall be re-erected as soon as possible. Damaged or lost traffic control signs shall be reported to the Sign Shop 847—362—3962 of the Lake County Division of Transportation for replacement.

Regulatory and warning traffic signs shall be kept in view of the highway traffic.

## Existing Drainage and Access

Disturbed highway drainage facilities shall be re-established at the close of each workday. Occupants of adjacent properties having access to the County Highway shall be notified prior to being blocked and suitable arrangements made with the accupants. Adjacent property access shall be re-established as soon as possible.

#### Highway Pavements

Care shall be taken not the break, crack or damage the highway pavement with equipment operating on it. Also, any dir of debris tracked onto the highway pavement shall be removed. Equipment with grozzer pads, cleats or studs are not permitted to operate on the highway pavement.

If, due to construction operations, the highway povement becomes damaged or undermined, all construction work in that area shell be stopped and the highway povement repaired as directed by the Lake County Division of Transportation. Alternate construction measures shall then be used to prevent further highway povement damage.

### Excavations, Trenches and Bore Pits

Excavated material shall, when practical, be piled on the near traffic side of the excavation, trench or bare pit. Open excavations, trenches or bare pits remaining after working hours shall not exceed 50 fest in length and shall be properly protected (facing, covered, etc.) and marked (Type I or I barriades). If barriades are used in series, only steady burning lights shall be used. Bare pits shall be located no closer than 10 fest to the highway povement, back of curb o gutter, or shoulder break line, whichever is further. If casing pipes are used, the voids in the casing pipe shall be filled and/or the ends seeded so there will be no silution into the casing pipe.

#### Manholes, Valves, Valve Vaults and Appurtenances

The top of the frame and lid or cover of a manhole, valve, or valve vauit shall be flush and contoured to the surrounding ground. If this is not possible due to an excessive slope, the surrounding ground shall be regraded or the frame and lid or cover partially buried to provide for a gradual transition slope so the area can be safely moved and no hazard to the public will result. The top of the frame and lid or cover that is lacted within the gravel shoulder shall have a asphalt apron installed around the frame or cover as directed by the Lake County Division of Transportation. Any frame and lid or cover shall not be located within the gravel shoulder shall have a cashpatt apron installed around the frame or cover as directed by the Lake County Division of Transportation. Any frame and lid or cover shall not be located within the area of 27.5 feet to 30.5 feet from the highway pavement

Surface appurtenances that extend above the surrounding ground surface shall be located within two feet of the County Highway right-of-way.

#### Tile Lines and Storm Sewers

Existing tile lines and storm sewers that are encountered during construction operations shall be replaced if broken with like size and kind of material. The line and storm sewer crossings of the excavation shall be bridged with rigid materials such as wood or steel. The location and depth of any encountered tile lines and storm sewers shall be recorded and a copy given to the Lake County Division of Transportation.

## Winter Construction Work

Snow and ice removal operations of the Lake County Division of Transportation shall have precedence over the construction operations. A 12 foot wide (minimum) clear area from the highway pavement edge shall be maintained for the roadside storage of snow and ice. No construction equipment or materials shall be stored in this 12 foot wide (minimum) clear are nor shall any ples of dirt or excavated, materials belf in this area.

#### Restoration and Clean-Up

The area of the County Highway right—of—way disturbed by construction operations shall be kept to a minimum and shall be restored as promptly as weather and sail conditions permit. If restoration is not accomplished voluntarily, the Lake County Division of Transportation may set a final date for the completion of the restoration work.

Turf areas of the right—of—way disturbed by construction operations shall be compacted and regraded to an equal or better condition than existed before construction. Sod shall be used in high erosion areas. This restoration work will not be considered completed until the furf cover is established.

Gravel and paved shoulders that are domoged shall be replaced as directed by the Lake County Division of Transportation. Driveways, side roads and other accesses, which are domaged, shall be restored with similar materials and thickness. The edges of excavated paved surfaces shall be sawaut prior to repair. Culverts, storm sever systems and other drainage facilities including dictness lines shall be cleaned of allociton and debris due to the construction operations. Other areas of the right-of-way that have been disturbed such as curb and guitters shall be restored with similar materials.

Any damaged property of the County of Lake, its Division of Transportation, or of others (including utility companies) shall be repaired or replaced or the owner of the damaged property reimbursed for the costs of repairing the damaged property by the owner.

#### Restoration Guarantee

Any restoration work that fails within one year of completion shall be redone. Also, any settlement that occurs within one year of completion of the surface restoration work shall be filled and the surface area restored.

## Keeping Roads Open to Traffic

All roads shall remain open to traffic. The Contractor may close one lane because of construction only between the hours of 9:00 A.M. and 3:00 P.M. The Contractor shall maintain traffic during these restricted hours as shown on the Traffic Control Standards. Two lanes of traffic will be maintaine between 3:00 P.M. and 9:00 A.M. and when no construction activities are being carried out. Traffic routed around construction areas shall be over paved surfaces and not over gravel shoulders.

# I.D.O.T. GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE FAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED TEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF WAUKEGAN.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE II BARRICADE USED-ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL

ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES (675 MM) DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES (675 MM) DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXSTING PAVEMENT). IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISS SPECIFICD.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

## GENERAL NOTES

- A-1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE CITY OF WAVERCAN, LAKE COUNTY DIVISION OF TRANSPORATION, ALL APPLICABLE REQUIREMENTS OF THE CROINANCES OF AUTHORIES HAVING JURISDICTION AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.
- THE STANDARD SPECIFICATIONS, PROJECT SPECIFICATIONS, CONSTRUCTION PLANS AND SUBSECUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT. A-2.
- BE SPECIFICALLY NOTED BOT ARE TO BE CONSIDERED A PART OF THE CONTRACT. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED FOR CONSTRUCTION. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THER: NUMBER WITH THE ACTUAL CONDITIONS AT THE USED SO STEL. IN ADDEEN. HE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THER: NUMBER WITH THE ACTUAL CONDITIONS AT THE USED OF SOUTHER DEPENDENCE THE STORE OF THE NUMBER OF THE SOUTHER AND CONDITIONS AFFECTING THER: NUMBER OF THE ADDEEN OF THE SOUTHER AND CONDITIONS ADDEEN. HE CONTRACTOR THE SOUTH ACTION OF SPECIAL DETAILS. THE CONTRACTOR SHALL SCOURE WRITTEN INSTRUCTION, FROM THE ENGINEER PROR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMNOR THE EVENT FOR TO PROCEEDING ANY E PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS. STACEDED AT HIS SOWN RISK AND EXPENSE. IN THE EVENT FOR NOT ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OF SPECIFICATIONS, THE DECISION OF THE EVENT FOR NOT ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE EVENT FOR NOT DEFINICATION CONCLUSIVE. A--3.
- BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVES. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED. A .... A
- MENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DRIT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR'S ANLARE TO PROVIDE THE ABOLT TO THE CONTRACT, THE CONTRACTOR'S ANLARE TO PROVIDE THE ABOLT TO THE CONTRACT. THE CONTRACTOR'S ANLARE TO PROVIDE THE ABOLT ON THE CONTRACT. THE CONTRACTOR'S ANLARE TO DECOME TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- A-6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.
- A-7. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER AND THE VILLAGE.
- SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE TE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION VERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER. A--8 IT
- A-9. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. CONTRACTOR IS / RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF CONTRACT.
- CONTRACT. A-10. EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH UTILITIES FORLY THE OPICIAN OF THE PERICIPAER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSIME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERNINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, JULLE, DETALED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.
- A-11. THE CITY OF WAUKEGAN SHOULD BE CONTACTED 48 HOURS PRIOR TO THE START OF ANY EXCAVATION. (847-625-6827)
- A-12. AGGREGATE SPECIFIED ON THESE PLANS SHALL BE CONSIDERED CRUSHED STONE MEETING THE GRADATION SPECIFIED, CRUSHED CONCRETE MAY NOT BE SUBSTITUTED FOR CRUSHED STONE, UNLESS APROVED BY THE ENGINEER.
- A-13. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES, WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINIG THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE RESULVED.
- A-14. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF OFFSITE AT LOCATIONS PROVIDED BY THE CONTRACTOR AT HIS EXPENSE.
- A-15. ALL PROPOSED SIDEWALK REMOVAL, COMBINATION CURB AND GUTTER REMOVAL, PCC SIDEWALK, 5" AND COMBINATION CONCRETE CURB AND GUTTER B6.12 OR 86.24 IDENTIFIED ON THE TEMPORARY TRAFFIC SIGNAL INSTALLATION OR THE TRAFFIC SIGNAL MODERNIZATION PLANS SHALL BE MARKED IN THE FIELD BY THE RESIDENT ENGINEER.







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## PAVING AND GRADING NOTES

- C-1. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE INDICATED.
- AND ALL RELATED WORK. C-3. PARCENT DESIGN SHALL BE AS DETAILED. PRIOR TO THE PLACEMENT OF ANY STONE BASA LL SUBBASE SHALL BE COMPACTED WITH A SELF-PROPELLED SEEPFORT TOMANTOR (CAT B15 OR RARGER) TO A MINIMUM DENSITY OF 95% MODIFED PROCTOR TESTING SHALL BE BY NUCLEAR DENSITY TEST AND PROOF ROLLING. THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE BEFORE PAYEMENT CONSTRUCTION PROCEDS. THE PROOF ROLL ME SUBGRADE WITNESSED BY THE ENGINEER AND A REPRESENTATIVE OF THE VILLOE, THE SUBGRADE WILL NOT BE APPROVED AND ACCEPTED WITHOUT PROOF ROLLING. THE PROOF ROLLING SHALL BE DONE BY A FULLY LOADED THREE-AKLE DUWP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (23) TONS. IF THE SUBGRADE OR BASE HAS FAILURE OR PUMPING AS INDICATED BY PROOF ROLLING. THE FAMILABE THE SAMDARD SHALL BE SOMED BASEQUENT PROOF ROLLING. THE FAMILABE AS FAILURE OR PUMPING AS INDICATED BY PROOF ROLLING. THE THE STANDARD SHALL BE SOMED BY DECOMPACTED IN ACCORDANCE WITH THE STANDARD SHALL BE SOMED BY DEGENERATED IN ACCORDANCE WITH THE SUBGRADE SUBGRADE IS FOUND TO BE ACCEPTABLE TO THE ENGINEER.

- EXTRA CARE SHALL BE EXERCISED WHEN OPERATING EQUIPMENT AROUND TREES AND SHRUBS. INJURED BRANCHES OR ROOTS SHALL BE PRUMED IN A MAINER SATISFACTORY TO THE ENGINEER AND SHALL BE PAINED WHERE THE CUT WAS MADE. ROOTS EXPOSED DURING EXCAVATING OPERATIONS SHALL BE INEATLY PRUHED AND COXERED WITH TOPSOIL. THIS WORK SHALL BE DONE AS SOON AS POSSIBLE AND SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

- C-2. PAVING WORK SHALL INCLUDE FINAL SUB-GRADE SHAPING AND PREPARATION, FORMING, PLACEMENT OF BASE COURSE MATERIALS, AND SUBSEQUENT BINDER AND/OR SURFACE COURSES, FINISHING AND CURING OF CONCRETE, FINAL CLEAN-UP AND ALL RELATED WORK.