

LIST OF STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 420111-02 PCC PAVEMENT ROUNDOUTS
- 420401-07 BRIDGE APPROACH PAVEMENT
- 515001-03 NAME PLATES FOR BRIDGES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE GUTTER
- 630001-00 STEEL PLATE BEAM GUARDRAIL
- 630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-07 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635001-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 664001-02 CHAIN LINK FENCE
- 701400-03 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-05 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701402-07 LANE CLOSURE, FREEWAY/EXPRESSWAY WITH BARRIER
- 701426-03 LANE CLOSURE, MULTILANE INTERMITTENT OR SLOW MOVING OPERATIONS, FOR SPEEDS GREATER THAN 45 MPH
- 701446-01 TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701601-00 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701606-00 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-04 LANE CLOSURE, MULTILANE 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 704001-05 TEMPORARY CONCRETE BARRIER
- 780001-02 PAVEMENT MARKINGS

PROJECT COMMITMENTS

NONE

PAVEMENT STRUCTURAL DESIGN TABLES

26th STREET

STRUCTURAL DESIGN TRAFFIC:	YEAR 2021
PV= 7,344 SU= 313 MU= 156	
ROAD/STREET CLASSIFICATION:	CLASS 1
P= 94% S= 4% M= 2%	
TRAFFIC FACTOR:	ACTUAL TF= 4.08 AC TYPE= ..
	MINIMUM TF=
AC GRADE:	BINDER= .. SURFACE= ..
SUBGRADE SUPPORT RATING:	SR=

FRONTAGE ROAD B

STRUCTURAL DESIGN TRAFFIC:	YEAR 2021
PV= 9,939 SU= 693 MU= 925	
ROAD/STREET CLASSIFICATION:	CLASS 1
P= 86% S= 6% M= 8%	
TRAFFIC FACTOR:	ACTUAL TF= 4.08 AC TYPE= ..
	MINIMUM TF=
AC GRADE:	BINDER= .. SURFACE= ..
SUBGRADE SUPPORT RATING:	SR=

GENERAL NOTES

1. UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITY COMPANIES AND THE CITY OF CHICAGO, BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT 1.800.892.0123
2. WHERE SECTION AND SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AN AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF RIGHT OF WAY MARKERS SHALL REMAIN UNDISTURBED.
3. THE CONTRACTOR SHALL NOT SET UP A YARD OR FIELD OFFICE ON I.D.O.T. PROPERTY WITHOUT WRITTEN PERMISSION FROM I.D.O.T.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
5. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED (ONE WEIGHTED BAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
6. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND THE ADJOINING COMMERCIAL AND RESIDENTIAL AREAS.
7. ALL ELEVATIONS IN THIS PLAN SET REFER TO NAVD88.
8. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
9. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTORS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
10. ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCH DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCH DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE SAME TIME IT IS MANUFACTURED. PRECAST "TEE" OR "WYE" PIPE CONNECTIONS FOR THE PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWER.
11. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MILES PER HOUR OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MILES PER HOUR. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).
12. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
13. BITUMINOUS QUANTITIES ARE BASED ON A UNIT WEIGHT OF 112 LB/SQ YD/IN FOR BINDER AND SURFACE COURSES.
14. LOCATIONS OF ACCESS CONTROL FENCING AS SHOWN ON THE PLANS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO BETTER FIT FIELD CONDITIONS.
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO GAP REMAINS BETWEEN PROPOSED FENCING OR WHERE PROPOSED FENCING TERMINATES AND EXISTING FENCE REMAINS IN PLACE.
16. TEN FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
17. TEMPORARY CONCRETE BARRIER - THE BARRIER UNIT AT EACH END OF THE INSTALLATIONS SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING THREE ANCHORING PINS FOR F SHAPE OR THREE DOWEL BARS.

18. THE LOCAL AGENCIES REQUIRE A 1-WEEK ADVANCE NOTICE PRIOR TO CHANGING TRAFFIC STAGES. THE CONTRACTOR MUST CONTACT JAMES SHENDAN AT PROSPECT HEIGHTS, 847.398.6070 EXT.209
19. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
20. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
21. AT LEAST (2) TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKING, CONTACT WALTER CZARNI, AREA TRAFFIC FIELD ENGINEER AT 773-685-8386
22. TEN FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED SIDEWALK ITEMS OF WORK TO EXISTING SIDEWALK IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

CITY OF CHICAGO NOTES

1. ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF WATER MANAGEMENT'S STANDARDS.
2. SEWER SIZES 21" DIAMETER OR SMALLER MUST BE EXTRA STRENGTH VITRIFIED CLAY PIPE C-700 OR DUCTILE IRON PIPE WITH PUSH-ON OR MECHANICAL JOINTS. SEWER SIZES 24" DIAMETER OR LARGER MUST BE REINFORCED CONCRETE PIPE TYPE C-76, CLASS III, WALL "B" WITH "O-RING" JOINTS.
3. PERMITS FROM THE DEPARTMENT OF WATER MANAGEMENT ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR ALL WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF WATER MANAGEMENT'S PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR/SUBCONTRACTOR MUST SUBMIT TWO SETS OF PLANS APPROVED BY THE DEPARTMENT OF WATER MANAGEMENT FOR THE ISSUE OF THE SEWER PERMIT TO SUITE 410, 333 SOUTH STATE STREET, CHICAGO, ILLINOIS 60604-3971. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF WATER MANAGEMENT.
4. IF THE SEWER PIPE COVER IS REDUCED TO LESS THAN 3 FEET, CONCRETE ENCASEMENT OF THE SEWER OR REPLACEMENT OF THE SEWER WITH CLASS 52 DUCTILE IRON PIPE WILL BE REQUIRED.
5. IN CASE DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF WATER MANAGEMENT AT (312) 747-7892 OR (312) 747-7893.
6. PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
7. ADDITIONAL BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED FROM THE DEPARTMENT OF WATER MANAGEMENT AT SUIT 410, 333 SOUTH STATE STREET, CHICAGO, ILLINOIS 60604-3971. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.
8. SIDEWALK ACCESSIBILITY RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
9. ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND GRATES OR LIDS ON SEWER STRUCTURES WILL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND GRATES OR LIDS. OLD FRAMES AND GRATES OR LIDS SHALL BE DELIVERED TO THE DEPARTMENT OF WATER MANAGEMENT AT 39th STREET AND ASHLAND AVENUE.
10. CITY OF CHICAGO WATER VALVE VAULTS AND SEWER STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION WITHOUT WRITTEN PERMISSION FROM THE CITY OF CHICAGO DEPARTMENT OF WATER.
11. CURB AND GUTTER CONSTRUCTION SHALL PROVIDE A MINIMUM CURB HEIGHT OF 3 INCHES.
12. BACKFILL MATERIAL UNDER SIDEWALKS SHALL BE FA-2.
13. PAVEMENT REPLACEMENT AROUND FRAMES AND GRATES OR LIDS WHERE DRAINAGE, WATER MAIN OR ELECTRICAL STRUCTURES ARE ADJUSTED OR RECONSTRUCTED, SHALL BE CLASS S1 CONCRETE.
14. ALL PAVEMENT PATCHING SHALL BE CLASS C, UNLESS OTHERWISE NOTED.
15. FOR CITY OF CHICAGO ADA RAMP AND SIDEWALK NOTES, SEE SHEET DET-02


HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

LOCATION	MIXTURE TYPE	AC TYPE	VOIDS
ROADWAY PAVEMENT	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 2" (IL 9.5mm)	PG 70-22	4% @ 90 GYR.
	LEVELING BINDER (MACHINE METHOD), N70 1" (IL 9.5mm)	PG 64-22*	4% @ 70 GYR.
SHOULDER & MEDIAN	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 2" (IL 9.5mm)	PG 64-22	4% @ 50 GYR.
SHOULDER (INTERSTATE)	HOT-MIX ASPHALT SHOULDER 14"	PG 64-22*	4% @ 70 GYR.
GUARDRAIL STABILIZATION	HOT-MIX ASPHALT SHOULDER 6"	PG 64-22*	2% @ 30 GYR.
TEMPORARY PAVEMENT	HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2 "	PG 64-22	4% @ 50 GYR.
	TEMP PAVEMENT (HMA BINDER IL-19mm), 10" (4 LIFTS)	PG 64-22*	4% @ 50 GYR.

*NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
2. WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER MIX SHALL BE PG 58-22

GEN-02

FILE NAME =	DESIGNED - TAI	REVISED -	F.A.P. 392 FRANKLIN CONNECTOR (AT 26th STREET AND AT I-55 FRONTAGE ROAD B)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pr:\2008\c\15800\Cadd\Sheet\general no ee.l_dgn	DRAWN - TAI	REVISED -	GENERAL NOTES, STATE STANDARDS & COMMITMENTS	392	1717.2-3B-R	COOK	114	3
	CHECKED - PJM	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.
	DATE - 01/13/09	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT