

HOT-MIX ASPHALT MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE TYPE	AC/PG	AIR VOIDS (%)	THICKNESS
PAVEMENT RESURFACING			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4%±70 GYR	1-1/2"
LEVELING BINDER (MACHINE METHOD), N70, IL-9.5mm,	PG 64-22 58-22	4%±70 GYR	1 "
WIDENING SECTION (RESURFACING AREA)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4%±70 GYR	1-1/2"
LEVELING BINDER (MACHINE METHOD), N70, IL-9.5mm	PG 64-22 58-22	4%±70 GYR	1 "
HOT-MIX ASPHALT BASE COURSE	PG 64-22	4%±50 GYR	6-1/2"
WIDENING (HMA BINDER IL-19mm)	58-22	4%±50 GYR	10-3/4"
FULL DEPTH PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4%±70 GYR	2"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm)	PG 64-22/ PG 58-22	4%±50 GYR	11-1/4" & 7"
ENTRANCES (PE)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)	PG 64-22	4%±50 GYR	2"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm)	PG 64-22/ PG 58-22	4%±50 GYR	6"
SHOULDER			
HOT-MIX ASPHALT SHOULDER	PG 64-22/ PG 58-22	2%±30 GYR	8"
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	PG 64-22	4%±50 GYR	1-3/4"
TEMPORARY PAVEMENT (HMA BINDER IL-19 mm)	PG 64-22/ PG 58-22	4%±50 GYR	8-1/4"
HOT-MIX ASPHALT PATCHING			
CLASS D PATCHES (HMA BINDER IL-19 mm)	PG 64-22/ PG 58-22	4%±70 GYR	17"
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22/ PG 58-22	4%±70 GYR	2-1/2"

NOTE:
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUNDS PER SQUARE YARD PER INCH.
• WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

PERENNIAL PLANT CARE SCHEDULE

ACTIVITY	TIME
PLANT PERENNIALS AS PER PLAN	MAY 1 - JUNE 15 AUGUST 15 - SEPTEMBER 15
MULCH PERRENIAL BEDS	24 HOURS AFTER PLANTING
INSTALL SELECTIVE MOW STAKES AS PER PLAN OR DIRECTION OF R.E.	PRIOR TO PERIOD OF ESTABLISHMENT INSPECTION
PERENNIAL PLANT PERIOD OF ESTABLISHMENT WATER ONCE EVERY 7 DAYS FOR 4 WEEKS	PRIOR TO PERIOD OF ESTABLISHMENT INSPECTION
REPLACE DEAD PLANTS	AFTER PERIOD OF ESTABLISHMENT INSPECTION
PERENNIAL PLANT CARE (FIRST CYCLE)	30 DAYS AFTER PERIOD OF ESTABLISHMENT INSPECTION
PERENNIAL PLANT CARE (SECOND CYCLE)	60 DAYS AFTER PERIOD OF ESTABLISHMENT INSPECTION
PERENNIAL PLANT CARE (THIRD CYCLE)	90 DAYS AFTER PERIOD OF ESTABLISHMENT INSPECTION
SUPPLEMENTAL WATERING	USE AFTER PERIOD OF EST. INSP. AS DIRECTED BY THE RESIDENT ENGINEER

NOTE:
ALL PERENNIAL PLANTS SHALL BE STAGGERED AND SPACED ON 12" (300 mm) CENTERS UNLESS OTHERWISE NOTED.

SCHEDULE FOR PIPE UNDERDRAINS, 4" DIA.
ILLINOIS 171 (ARCHER AVE.) AT ASHBURY DR. AND 131ST. STREET

LOCATION (STATIONS)	LENGTH (FEET)	REMARKS
ILLINOIS 171 (ARCHER AVENUE)		
STA. 13+10	58.00	TRANSVERSE
STA. 15+30	64.00	TRANSVERSE
STA. 21+25	65.50	TRANSVERSE
• STA. 25+00 - STA. 25+50	50.00	LONGITUDINAL
•• STA. 25+00 - STA. 25+50	50.00	LONGITUDINAL
131ST STREET		
STA. 11+35	68.00	TRANSVERSE

• NORTH SIDE
•• SOUTH SIDE

EARTHWORK SCHEDULE

ILLINOIS 171 (ARCHER AVE.) AT ASHBURY DR. AND 131ST. STREET

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STATIONS	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD

ILLINOIS 171 (ARCHER AVENUE)				
STA. 12+00 - STA. 21+00	9134.56	7764.38	156.48	+7607.90
STA. 21+00 - STA. 24+00	621.30	528.11	66.67	+461.44
STA. 24+00 - STA. 25+00	91.34	77.64	1.22	+76.42
STA. 25+00 - STA. 25+75	32.88	27.95	0.00	+27.95

ASHBURY DRIVE/131ST STREET				
STA. 09+00 - STA. 09+80	507.78	431.61	0.93	+430.68
STA. 09+80 - STA. 11+00	1141.29	970.10	0.41	+969.69
STA. 11+00 - STA. 15+00	381.05	334.28	25.72	+298.56
TOTAL	11910.20	10134.07	251.43	+9872.64

COLUMN 1: LOCATION FROM PLANS
COLUMN 2: QUANTITY OF EARTH EXCAVATION (CUT) FROM CROSS SECTIONS
COLUMN 3: QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15%
COLUMN 4: QUANTITY OF EMBANKMENT (FILL) FROM CROSS SECTIONS
COLUMN 5: (COLUMN 3 - COLUMN 4)
(+) = QUANTITY OF FURNISHED EXCAVATION NEEDED
(-) = QUANTITY TO BE WASTED

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILL 171 (ARCHER AVE)
AT ASHBURY DR & 131ST STREET
SCHEDULE OF QUANTITIES
SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
DATE

PLT DATE = 5/2/2007
PLT SCALE = 1" = 40' (HORIZONTAL)
PLT USER = galsband