



- LEGEND**
- ① EXISTING PORTLAND CEMENT CONCRETE BASE COURSE: 6.1" TO 12"
 - ② EXISTING BITUMINOUS BINDER AND SURFACE COURSE: 3.6" TO 7.1"
 - ③ EXISTING CRUSHED STONE SUB-BASE: 0" TO 7"
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
 - ⑤ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
 - ⑥ COMBINATION CONCRETE CURB AND GUTTER REMOVAL
 - ⑦ SIDEWALK REMOVAL (AS DIRECTED BY THE ENGINEER)
 - ⑧ PAVEMENT REMOVAL: 10.6" TO 17.6" & EARTH EXCAVATION (SEE NOTE 1)
 - ⑨ TOPSOIL EXCAVATION AND PLACEMENT
 - ⑩ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (SEE NOTE 2)
 - ⑪ BITUMINOUS MATERIALS (PRIME COAT)
 - ⑫ AGGREGATE (PRIME COAT)
 - ⑬ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50: 2"
 - ⑭ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50: 4" (IN 2 LIFTS)
 - ⑮ AGGREGATE SUBGRADE 12"
 - ⑯ POROUS GRANULAR EMBANKMENT, SUBGRADE (SEE NOTE 2)
 - ⑰ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (WITH P.G.E.S. - SEE NOTE 2)
 - ⑱ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
 - ⑲ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
 - ⑳ SODDING, SALT TOLERANT
 - ㉑ CONCRETE CURB, TYPE B
 - ㉒ LANDSCAPED MEDIAN
 - ㉓ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50: 1.5"
 - ㉔ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50: 1.5"
 - ㉕ AGGREGATE BASE COURSE TYPE B: 10"
 - ㉖ WOOD POST AND RAIL FENCE

- NOTES:**
1. THE ITEM PAVEMENT REMOVAL (SPECIAL) COVERS THE REMOVAL OF THE EXISTING ASPHALT 3.6" TO 7.1" AND THE EXISTING PORTLAND CEMENT CONCRETE BASE COURSE (6.1" TO 12"). REMOVAL OF ADDITIONAL CRUSHED STONE SUBBASE BELOW THE EXISTING P.C.C. BASE COURSE WILL BE PAID FOR AS EARTH EXCAVATION.
 2. ESTIMATED QUANTITIES FOR ITEMS 10, 16 AND 17 WERE BASED ON A ROADWAY SOILS INVESTIGATION. ACTUAL LOCATION AND DEPTH OF UNDERCUTS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. EXCAVATION TO PROPOSED SUBGRADE ELEVATION SHALL BE PAID FOR AS EARTH EXCAVATION. EXCAVATION REQUIRED BELOW PROPOSED SUBGRADE ELEVATION TO PLACE POROUS GRANULAR EMBANKMENT, SUBGRADE, SHALL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
 3. SEE CROSS SECTIONS FOR PROPOSED PAVEMENT CROSS SLOPES.

| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | | |
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| FULL-DEPTH PAVEMENT, 6" | AC-TYPE | VOIDS |
| HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 | PG 64-22 | 4% @ 50 GYR |
| HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | PG 64-22* | 4% @ 50 GYR |

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PC 58-22.
 THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT PAVEMENT QUANTITIES IS 112 LBS/SY/IN.

| ESTIMATED QUANTITIES FOR UNDERCUTTING AND POROUS GRANULAR EMBANKMENT-SUBGRADE (PGES) REPLACEMENT FILL | | | | |
|---|----------------------------|--------------------------------------|----------------------------------|---|
| BORING NO. | ESTIMATED STATION LOCATION | ESTIMATED THICKNESS OF PGES (INCHES) | ESTIMATED STATION LIMITS OF PGES | ANTICIPATED SOIL CONDITIONS AT SUBGRADE LEVEL |
| B-1 | 102+85 | 6 | 100+59 - 104+30 | SOFT SANDY LOAM OVER STIFF CLAY (WC=20/23%) |
| B-2 | 105+75 | 6 | 104+30 - 107+25 | LOOSE TO MEDIUM DENSE SANDY LOAM (WC=17/18%) |
| B-3 | 108+75 | NR | NR | STIFF CLAY LOAM OVER STIFF SANDY LOAM (WC=22/10%) |
| B-4 | 111+70 | 6 | 110+25 - 113+20 | STIFF TO VERY STIFF CLAY (WC=28/20%) |
| B-5 | 114+70 | 6 | 113+20 - 116+20 | STIFF CLAY LOAM OVER VERY STIFF CLAY (WC=24/21%) |
| B-6 | 117+70 | NR | NR | STIFF TO VERY STIFF CLAY (WC=22/23%) |
| B-7 | 120+75 | 6 | 119+25 - 122+10 | SOFT SANDY LOAM OVER STIFF CLAY (WC=21%) |
| B-8 | 123+50 | NR | NR | STIFF TO VERY STIFF CLAY (WC=22/18%) |
| B-9 | 126+80 | 6 | 125+15 - 128+35 | STIFF TO VERY STIFF CLAY (WC=25/23%) |
| B-10 | 129+85 | NR | NR | STIFF TO VERY STIFF CLAY (WC=21%) |
| B-11 | 132+85 | NR | NR | LOOSE FINE SAND (WC=13%) |
| B-12 | 135+85 | NR | NR | LOOSE SILTY SAND OVER LOOSE FINE LOAM (WC=16%) |