| PAVEMENT CORE SUMMARY | | | | |
|---|---|---|---|---|
| CORE | STATION | ASPHALT | CONCRETE BASE | TOTAL |
| C-1 | 3+50 | 4.5 | 8 | 12.5 |
| C-2 | 3+50 | 5.5 | 9.375 | 14.875 |
| C-3 | 3+50 | 5.25 | 9 | 14.25 |
| C-4 | 6+00 | 5 | 7.5 | 12.5 |
| C-5 | 6+00 | 6.5 | 9.25 | 15.75 |
| C-6 | 6+00 | 5.5 | 8.375 | 13.875 |
| C-7 | 9+00 | 3.25 | 8 | 11.25 |
| C-8 | 9+00 | 6.875 | 8.375 | 15.25 |
| C-9 | 9+00 | 5.25 | 8.5 | 13.75 |
| C-10 | 12+00 | 5.75 | 10 | 15.75 |
| C-11 | 12+00 | 5.875 | 8 | 13.875 |
| C-12 | 12+00 | 4.5 | 9 | 13.5 |
| C-13 | 14+50 | 3.25 | 6.5 | 9.75 |
| C-14 | 14+50 | 6.5 | 7.5 | 14 |
| C-15 | 14+50 | 6.75 | 8.5 | 15.25 |
| C-16 | 17+50 | 5 | 8 | 13 |
| C-17 | 17+50 | 3 | 7.75 | 10.75 |
| C-18 | 17+50 | 5.5 | 8.5 | 14 |
| C-19 | 20+50 | 5 | 8.5 | 13.5 |
| C-20 | 20+50 | 6.25 | 8 | 14.25 |
| C-21 | 20+50 | 5 | 8 | 13 |
| C-22 | 23+50 | 5.25 | 9.25 | 14.5 |
| C-23 | 23+50 | 5.75 | 8.625 | 14.375 |
| C-24 | 23+50 | 4.75 | 7.875 | 12.625 |
| C-25 | 26+50 | 3 | 9 | 12 |
| C-26 | 26+50 | 6 | 9 | 15 |
| C-27 | 26+50 | 6 | 8.25 | 14.25 |
| C-28 | 29+00 | 16 | 0 | 16 |
| C-29 | 29+00 | 6 | 8 | 14 |
| C-30 | 29+25 | 3.75 | 7.75 | 11.5 |
| C-31 | 32+00 | 4.25 | 8 | 12.25 |
| C-32 | 32+00 | 6 | 8.25 | 14.25 |
| C-33 | 31+80 | 4.375 | 8.875 | 13.25 |
| C-34 | 35+00 | 5.75 | 8 | 13.75 |

| PAVEMENT CORE SUMMARY | | | | |
|---|---|---|---|---|
| CORE | STATION | ASPHALT | CONCRETE BASE | TOTAL |
| C-35 | 35+00 | 6 | 8.375 | 14.375 |
| C-36 | 35+00 | 4.75 | 8.5 | 13.25 |
| C-37 | 38+00 | 4 | 5.75 | 9.75 |
| C-38 | 38+00 | 5.75 | 8.125 | 13.875 |
| C-39 | 38+00 | 5.5 | 8.5 | 14 |
| C-40 | 40+50 | 4.5 | 8.5 | 13 |
| C-41 | 40+50 | 6 | 8.25 | 14.25 |
| C-42 | 40+50 | 5 | 8 | 13 |
| C-43 | 43+50 | 4 | 8 | 12 |
| C-44 | 43+50 | 6.25 | 8.375 | 14.625 |
| C-45 | 43+50 | 5.5 | 8.5 | 14 |
| C-46 | 46+50 | 5.5 | 7.25 | 12.75 |
| C-47 | 46+50 | 6.125 | 8.75 | 14.875 |
| C-48 | 46+34 | 4 | 8.5 | 12.5 |
| C-49 | 49+50 | 4.125 | 6.5 | 10.625 |
| C-50 | 49+50 | 5.25 | 7 | 12.25 |
| C-51 | 49+50 | 6.625 | 8.75 | 15.375 |
| C-52 | 52+00 | 3.375 | 9.625 | 13 |
| C-53 | 52+00 | 3.25 | 8.875 | 12.125 |
| C-54 | 52+00 | 7.75 | 5.25 | 13 |
| C-55 | 55+00 | 4 | 7.25 | 11.25 |
| C-56 | 55+00 | 7 | 11 | 18 |
| C-57 | 55+00 | 4.5 | 10 | 14.5 |
| C-58 | 58+50 | 4.75 | 10.25 | 15 |
| C-59 | 58+50 | 5 | 7.75 | 12.75 |
| C-60 | 58+50 | 5.25 | 8.125 | 13.375 |

## EARTHWORK TABLE

| LOCATION | REMOVAL & DISPOSAL MATERIAL (PGES) (CU YD) | EARTH EXCAVATION (CU YD) | TOTAL SUITABLE EXCAVATION (CU YD) | EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR 15% SHRINKAGE) (CU YD) | EMBANKMENT (CU YD) | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD) |
|---|---|---|---|---|---|---|
| ST. CHARLES ROAD STA. 3+50 TO STA. 58+40 | 7,033 | 5,910 | 5,910 | 5,024 | 35 | +4,989 |
| 9TH AVENUE (NORTH) STA. 8+26 TO STA. 10+45 | 298 | 130 | 130 | 111 | 8 | +103 |
| TOTALS | 7,331 | 6,040 | 6,040 | 5,135 | 43 | +5,092 |

## POROUS GRANULAR EMBANKMENT SUBGRADE LOCATIONS PER SOIL REPORT

| LOCATION | NORTH SIDE | | SOUTH SIDE | |
|---|---|---|---|---|
| | WIDTH | DEPTH | WIDTH | DEPTH |
| ST. CHARLES ROAD STA. 3+50 TO STA. 58+40 | 21.5' | 0.75' | 21.5' | 0.75' |

| LOCATION | WEST SIDE | | EAST SIDE | |
|---|---|---|---|---|
| | WIDTH | DEPTH | WIDTH | DEPTH |
| 9TH AVENUE (NORTH) STA. 8+26 TO STA. 10+45 | 19.25' | 0.75' | 19.25' | 0.75' |

NOTE:
ACTUAL LOCATIONS, WIDTHS, AND DEPTHS TO BE DETERMINED BY GEOTECHNICAL ENGINEER IN THE FIELD.

NOTE:
**POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2700
Phone: 708-865-0200
Fax: 708-865-1212

| | | | |
|---|---|---|---|
| USER NAME – | DESIGNED – MK/SBC | REVISED – | |
| | DRAWN – MK/LEV | REVISED – | |
| PLOT SCALE – | CHECKED – SBC/JG/MV | REVISED – | |
| PLOT DATE – | DATE – 11-30-09 | REVISED – IDOT REV. 12-22-09 | |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT CORES SUMMARY**

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 1397 | 09-00129-00-PV | COOK | 103 | 9 |
| | | CONTRACT NO. 63428 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT M-9003 (267) | | |

(BOOK NOS. 1579, 1583, 1589) F.H.E.PROJECT NO. 565.00 29003

Drawing file: W:\Projects\565082\90 - St Charles Rd\07_TYPICALS.dwg Dec 23, 2009 - 8:54am