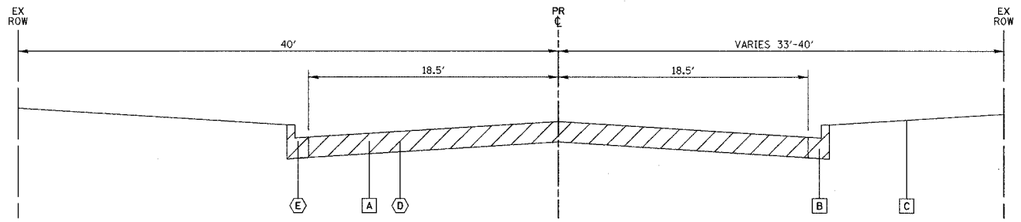
| FAU | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 2667 | 02-00165-00-RP | DUPAGE | 87 | 6 |
| STA. | TO STA. | | | |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT | | |

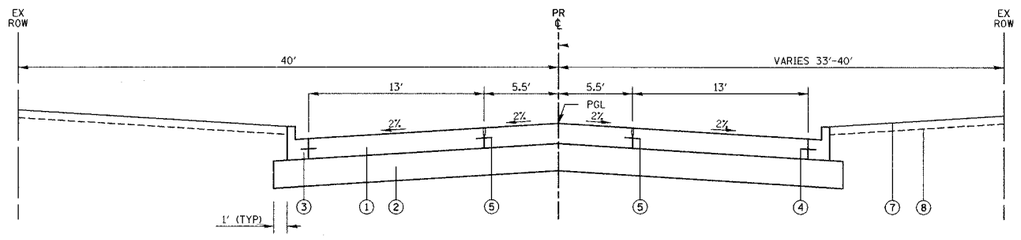
CONTRACT NO. 83768




## EXISTING TYPICAL SECTION

CHURCH ROAD

STATION 13+30 TO STATION 54+13.83




## PROPOSED TYPICAL SECTION

CHURCH ROAD

STATION 13+30 TO STATION 49+59

### EXISTING LEGEND

- A — PORTLAND CEMENT CONCRETE PAVEMENT 9"
- B — COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- C — EXISTING GROUND
- D — PAVEMENT REMOVAL
- E — CURB AND GUTTER REMOVAL

### PROPOSED LEGEND

1. PORTLAND CEMENT CONCRETE PAVEMENT 8½" (JOINTED) - SEE NOTE 4
2. AGGREGATE SUBGRADE 12"
3. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
4. NO. 6 x 24" TIE BARS GROUTED IN PLACE (EPOXY COATED) AT 24" O.C. INCLUDED IN COST OF COMBINATION CONCRETE CURB & GUTTER, STANDARD 606001.
5. LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR NO. 8 x 24" LONG DEFORMED TIE BARS (EPOXY COATED) AT 24" O.C. (STANDARD 420001) (INCLUDED IN THE COST OF CONCRETE PAVEMENT)
6. LONGITUDINAL SAWED JOINT - NO. 6 X 30" LONG DEFORMED TIE BARS (EPOXY COATED) AT 30" O.C. (STANDARD 420001) (INCLUDED IN THE COST CONCRETE PAVEMENT)
7. SODDING, SALT TOLERANT
8. TOPSOIL, FURNISH AND PLACE 4"

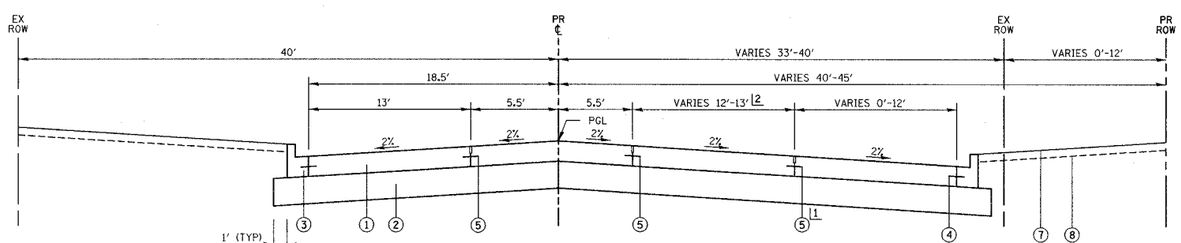
### NOTES

1. AGGREGATE SUBGRADE IN EXCESS OF 12" UNDER PROPOSED CONCRETE CURB AND GUTTER SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST OF AGGREGATE SUBGRADE 12".
2. PIPE UNDERDRAINS, 4" HAVE BEEN PROVIDED TO DRAIN THE AGGREGATE SUBGRADE 12", TRANSVERSE UNDERDRAINS SHALL BE PLACED AT THE LOW POINTS OF THE PROPOSED PROFILE GRADE, AT APPROXIMATELY 300' INTERVALS BETWEEN LOW POINTS, AND AS SHOWN ON THE DRAINAGE PLANS. THE UNDERDRAINS SHALL BE PLACED AT A MINIMUM DEPTH OF 4' FROM THE TOP OF PAVEMENT AND CONNECTED TO THE NEAREST DRAINAGE STRUCTURE. THE UNDERDRAINS SHALL BE MOVED TO THE LOW POINTS OF UNDERCUTS REPLACED WITH PGES AS DIRECTED BY THE ENGINEER.
3. TRANSVERSE JOINTS, AS DETAILED IN STANDARD 420001, SHALL BE PLACED AT A MAXIMUM SPACING OF 13'. THE COST OF THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT.
4. POROUS GRANULAR EMBANKMENT SUBGRADE

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE FOLLOWING TABLE LISTS LOCATIONS OF SUSPECTED POOR SUBGRADE, AND AN ADDITIONAL 4000 CY OF PGES HAS ALSO BEEN PROVIDED FOR LOCATIONS WHERE TOPSOIL IS DISCOVERED WITHIN THE PROPOSED SUBGRADE.

| STATION | LENGTH | DEPTH | VOLUME |
|---|---|---|---|
| 45+00 TO 49+00 UNKNOWN | 400' N/A | 12" N/A | 842 CY 4000 CY |
| | | TOTAL | 4842 CY |




## PROPOSED TYPICAL SECTION

CHURCH ROAD

STATION 49+59 TO STATION 54+13.83

NOTES:

1 AT THE CONTRACTOR'S OPTION, (6) MAY BE USED.

2 LANE WIDTH SHALL BE 13' AT STATION 49+59 AND TRANSITION TO 12' AT STATION 51+14

### BITUMINOUS MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

| MIX TYPE | PG | RAP % MAX | AIR VOIDS |
|---|---|---|---|
| BIT CONC SURF CSE, SUPER, MIX C, N50 | PG 64-22 | 15 | 4% @ 50 GYR |
| BIT CONC BIND CSE, SUPER, IL-19.0, N50 | PG 58-22 | 25 | 4% @ 50 GYR |
| BIT BASE CSE, SUPER | PG 58-22 | 50 | 2% @ 50 GYR |
| CLASS D PATCHES | PG 64-22 | 15 | 4% @ 70 GYR |

NOTE: BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.

| REVISIONS NAME | DATE |
|---|---|
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS

CHURCH ROAD

SCALE: NONE

DATE 7-9-04

DRAWN BY SAH

CHECKED BY MJL

PLAN — 8" — DATE — ISSUED — PLOTTED — CHECKED — NOTE BOOK — NO. — CADD FILE NAME

PROFILE — 8" — DATE — ISSUED — PLOTTED — CHECKED — NOTE BOOK — NO. — STRUCTURE NO(S).

TRANSYSTEMS CORPORATION