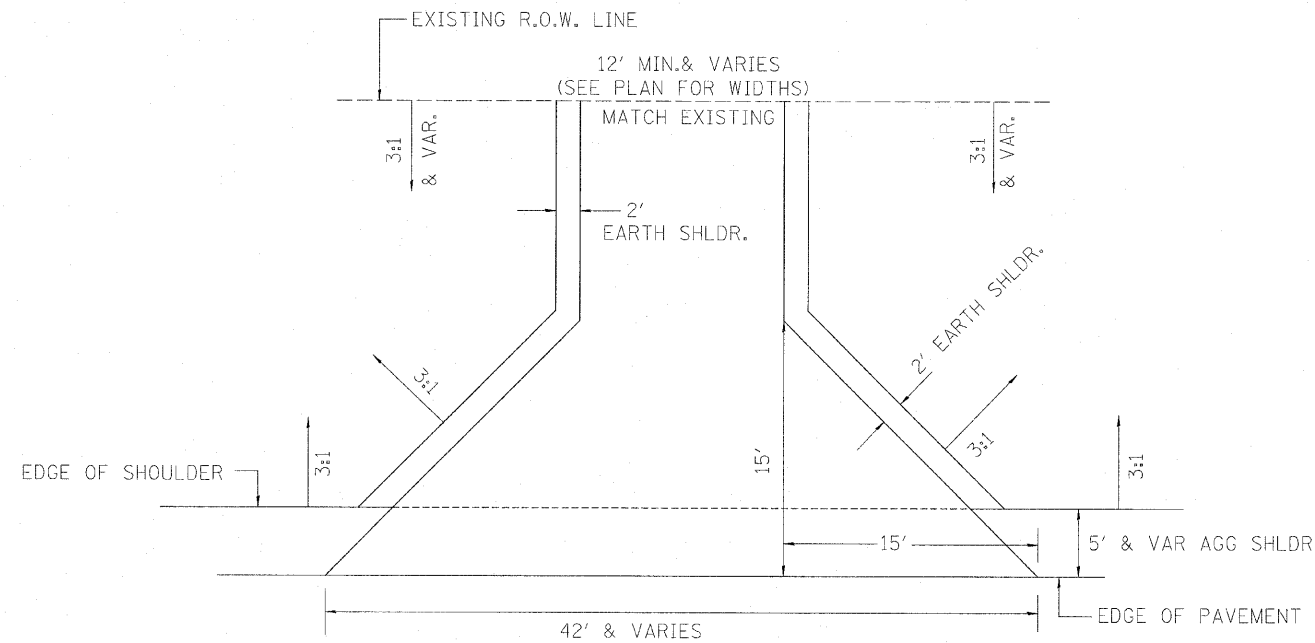


HORIZONTAL CONTROL

| LASALLE COUNTY - COUNTY HIGHWAY 33 TOMAHAWK BRIDGE REPLACEMENT | | | | | | |
|---|----------|------------|-------------|------------|--------|-------------|
| PT # | STA. | OFFSET | N | E | ELEV. | DESCRIPTION |
| 101 - GPS CONTROL PT. | 19+27.02 | 22.48' RT. | 1729056.276 | 783422.321 | 617.78 | |
| 102 - GPS CONTROL PT. | 20+76.68 | 16.69' LT. | 1729097.10 | 783571.54 | 618.03 | |
| 702 - SECTION CORNER | 11+80.14 | 0.00' | 1729070.52 | 782675.24 | 639.18 | PK NAIL |
| 713 - SECTION CORNER | 38+49.81 | 0.00' | 1729099.97 | 785344.75 | 656.95 | RR SPIKE |

BENCHMARKS

| LASALLE COUNTY - COUNTY HIGHWAY 33 TOMAHAWK BRIDGE REPLACEMENT | | | |
|---|-----------------------------------|-------------------------------|--------|
| BM # | LOCATION | DESCRIPTION | ELEV. |
| 1 | N.E. COR. CO. HWY 33 & CO. HWY 13 | TOP OF C.P. 100 (PK NAIL) | 639.11 |
| 2 | 48.98' RT. STA. 17+67.09 | RR SPIKE IN UTILITY POLE | 622.91 |
| 2 | S.W. COR. OF BRIDGE | CHIS. "Δ" ON TOP OF HUB GUARD | 620.55 |
| 2 | 45.01' RT. STA. 22+10.73 | RR SPIKE IN CORNER FENCE POST | 620.64 |



CONSTRUCT PRIVATE ENTRANCES WITH 8" AGGREGATE BASE COURSE, TYPE A (CA-6) AND 3" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (SAME FOR MAILBOX TURNOUT)

CONSTRUCT FIELD ENTRANCES WITH 10" AGGREGATE BASE COURSE, TYPE A (CA-6).

TYPICAL ENTRANCE (PRIVATE OR FIELD)

COUNTY HIGHWAY 33 PAVEMENT STRUCTURAL DESIGN

80,000 LB. DESIGN

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2021 P.V. 836
S.U. 76 } 950 ADT

SECTION PER LASALLE COUNTY HIGHWAY DEPARTMENT

USE:

1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
7" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
12" SUBBASE GRANULAR MATERIAL, TYPE A

PAVEMENT MIXTURE REQUIREMENTS

| LOCATION: | CO. HIGHWAY 33 | |
|---|-----------------------------|--------------------------|
| MIXTURE USE: | BINDER | SURFACE |
| PG: | PG 64-22 | PG 64-22 |
| DESIGN AIR VOIDS | 4.0 @ N50 | 4.0 @ N50 |
| MIXTURE COMPOSITION (GRADATION MIXTURE) | IL 19.0 | IL 9.5 |
| FRICTION AGGREGATE | N/A | C |
| MIXTURE WEIGHT: | 115 LBS/SY*IN | 112 LBS/SY*IN |
| BITUMINOUS MATERIALS (PRIME COAT) | 0.40 GAL./SY (ON AGGREGATE) | 0.10 GAL./SY (ON BINDER) |
| AGGREGATE (PRIME COAT) | | 2 LBS./SY (ON BINDER) |

| | |
|------|------|
| PLAN | DATE |
| NO. | |

| | |
|---------|------|
| PROFILE | DATE |
| NO. | |

S:\AS-04-11\1592066_C333_LasalleCounty\Drawings\AggStruct.dwg

WILLET, HOFMANN & ASSOCIATES, INC.
CONSULTING ENGINEERS
809 East Second Street Dixon, IL 61021
Phone 815.284.3381 Fax 815.284.3385
Design Firm # 184-00918
www.willett-hofmann.com

| | | |
|-----------|----------|---------|
| USER NAME | DESIGNED | REVISED |
| SCALE | DRAWN | REVISED |
| DATE | CHECKED | REVISED |
| | DATE | REVISED |

LASALLE COUNTY
COUNTY HIGHWAY 33
TOMAHAWK BRIDGE REPLACEMENT

PAVEMENT DESIGN, ENTRANCE DETAILS & HORIZONTAL AND VERTICAL CONTROL

| | | | | |
|--------------------------------|----------------|-------------------------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1385 | 10-00650-00-BR | LASALLE | 39 | 6 |
| STA. | TO STA. | CONTRACT NO. 87448 | | |
| FED. ROAD DIST. NO. 7 ILLINOIS | | FED. AID PROJECT BR5-1365(13) | | |