

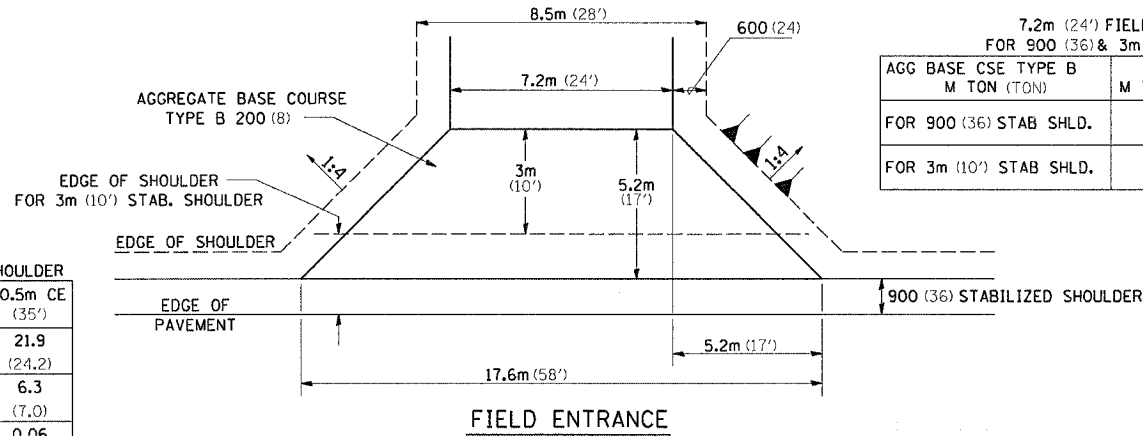
| F.A.P. RTE.         | SECTION | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|---------------------|---------|----------|------------------|-----------|
| *                   | **      | CARROLL  | 548              | 241       |
| STA.                |         | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |         | ILLINOIS | FED. AID PROJECT |           |

ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3,1)RS-1

# HOT-MIX ASPHALT APPROACHES & MAILBOX TURNOUTS

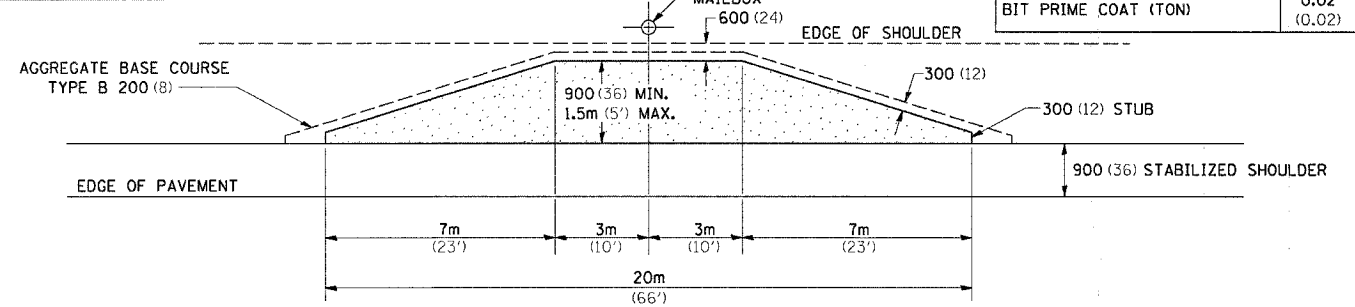
7.2m (24') FIELD ENTRANCE FOR 900 (36) & 3m (10') SHOULDERS

| AGG BASE CSE TYPE B M TON (TON) | APRON M TON (TON) | PER METER (FOOT) ADD. RUN |
|---------------------------------|-------------------|---------------------------|
| FOR 900 (36) STAB SHLD.         | 31.3 (35.3)       | 3.5 (1.2)                 |
| FOR 3m (10') STAB SHLD.         | 14.9 (17.2)       | 3.5 (1.2)                 |



PE & CE FOR 3m (10') STAB. SHOULDER

|                    | 3.6m PE (12') | 10.5m CE (35') |
|--------------------|---------------|----------------|
| AGG BASE CSE (TON) | 11.4 (12.6)   | 21.9 (24.2)    |
| INC HMA SURF (TON) | 3.1 (3.4)     | 6.3 (7.0)      |
| PRIME (TON)        | 0.04 (0.04)   | 0.06 (0.07)    |



|                           | 900 (36)    | 1.5m (5')   |
|---------------------------|-------------|-------------|
| AGG BASE CSE T-B (TON)    | 10.7 (11.8) | 14.4 (15.9) |
| INC BIT SURF 50 (2) (TON) | 2.2 (2.4)   | 3.4 (3.8)   |
| BIT PRIME COAT (TON)      | 0.02 (0.02) | 0.04 (0.04) |

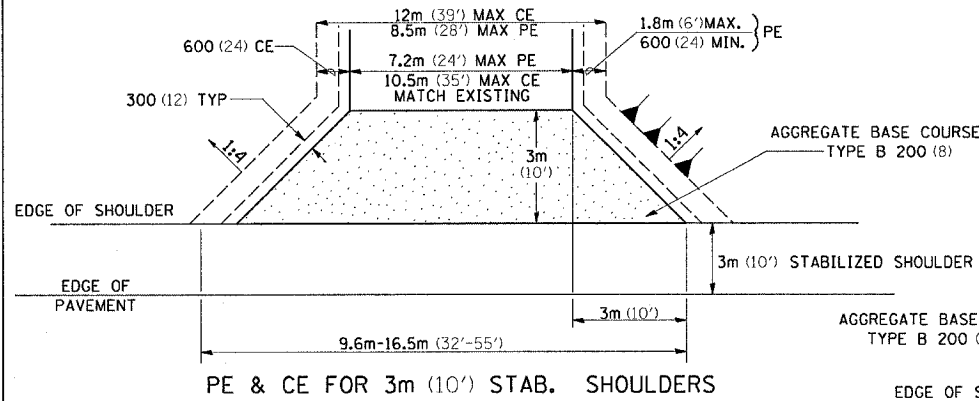
## MAILBOX TURNOUT

10.5m (35') COMMERCIAL ENTRANCE FOR 900 (36) STAB. SHOULDER

|                           | 900 (36)    | 1.5m (5')   | PER METER ENTR (FOOT) |
|---------------------------|-------------|-------------|-----------------------|
| AGG BASE CSE T-B (TON)    | 47.4 (52.2) | 48.7 (53.7) | 5.7 (1.9)             |
| INC HMA SURF 50 (2) (TON) | 13.4 (14.8) | 14.0 (15.4) | 1.6 (0.55)            |
| BIT PRIME COAT (TON)      | 0.14 (0.15) | 0.15 (0.16) | 0.018 (0.006)         |

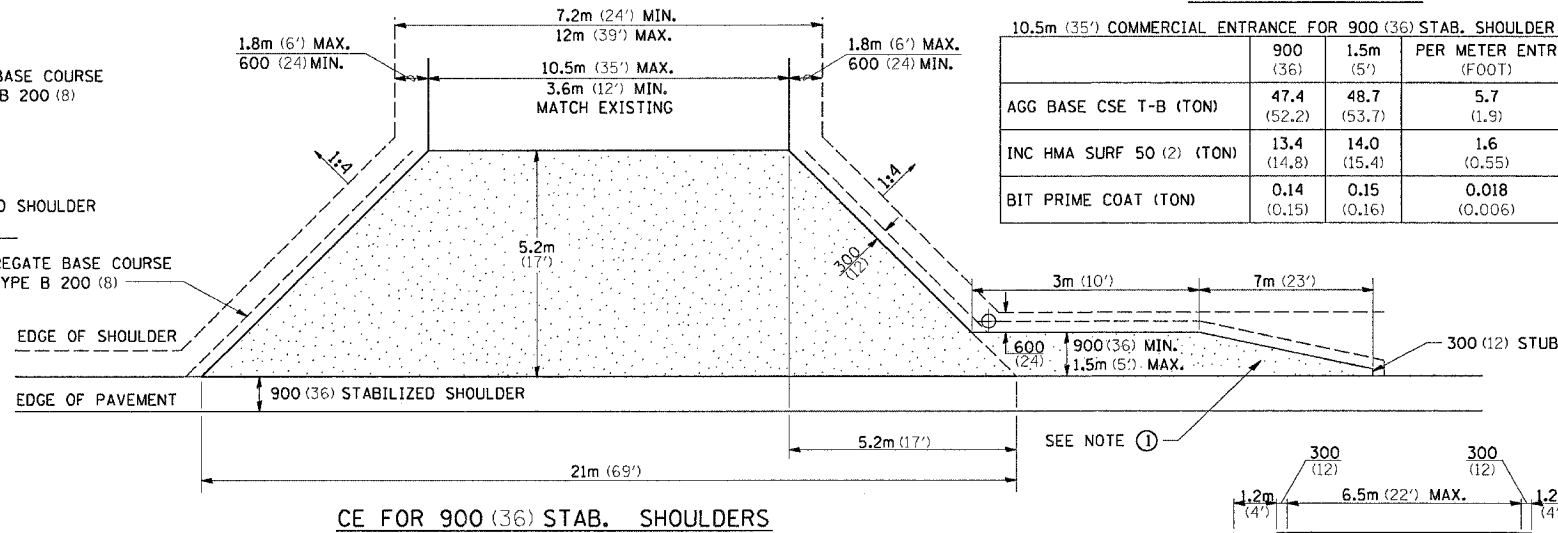
## NOTE

- ALL ENTRANCES TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN WHICH EVER IS GREATER.
- QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

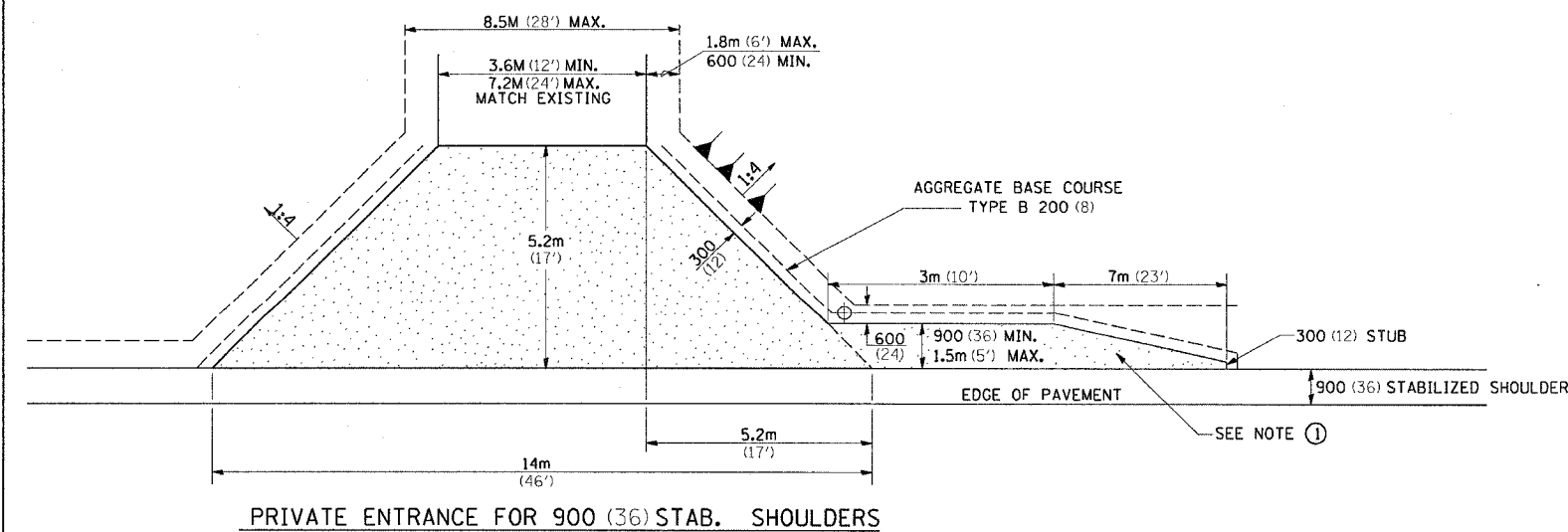


3.6m (12') PRIVATE ENTRANCE FOR 900 (36) STAB. SHOULDER

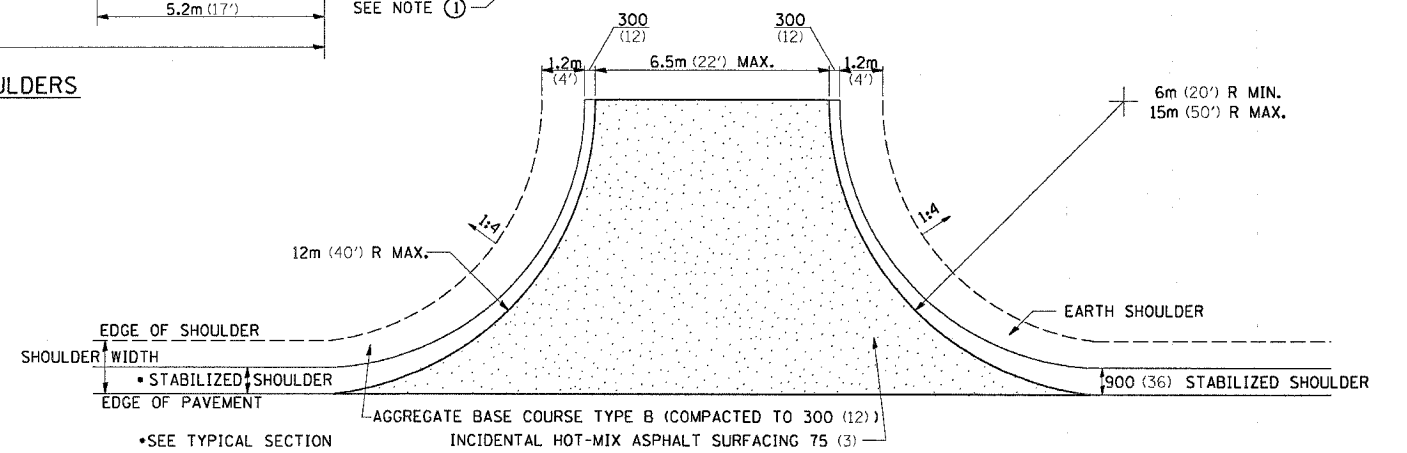
|                           | 900 (36)    | 1.5m (5')   | PER METER ENTR (FOOT) |
|---------------------------|-------------|-------------|-----------------------|
| AGG BASE CSE (TON)        | 29.4 (32.4) | 30.8 (33.9) | 0.64 (0.7)            |
| INC HMA SURF 50 (2) (TON) | 7.8 (8.6)   | 8.4 (9.3)   | 0.17 (0.19)           |
| BIT PRIME COAT (TON)      | 0.08 (0.09) | 0.09 (0.10) | 0.006 (0.002)         |



## CE FOR 900 (36) STAB. SHOULDERS



## PRIVATE ENTRANCE FOR 900 (36) STAB. SHOULDERS



## SIDE ROAD RETURN

|                           | 6m (20') RADIUS |             |             | 9m (30') RADIUS |             |             | 12m (40') RADIUS |             |             |
|---------------------------|-----------------|-------------|-------------|-----------------|-------------|-------------|------------------|-------------|-------------|
|                           | 5.5m (18')      | 6m (20')    | 6.5m (22')  | 5.5m (18')      | 6m (20')    | 6.5m (22')  | 5.5m (18')       | 6m (20')    | 6.5m (22')  |
| AGG BASE CSE T-B (TON)    | 20 (22.1)       | 21.6 (23.8) | 23.1 (25.5) | 37 (40.8)       | 39.5 (43.5) | 42 (46.3)   | 57.9 (63.8)      | 61.3 (67.6) | 64.7 (71.3) |
| INC HMA SURF 75 (3) (TON) | 5.5 (6.1)       | 6.2 (6.8)   | 6.6 (7.25)  | 10.5 (11.6)     | 11.2 (12.4) | 12.1 (13.3) | 16.7 (18.4)      | 17.7 (19.5) | 18.7 (20.6) |
| BIT PRIME CSE T-B (TON)   | 0.05 (0.06)     | 0.06 (0.07) | 0.06 (0.07) | 0.11 (0.12)     | 0.11 (0.12) | 0.12 (0.13) | 0.16 (0.18)      | 0.18 (0.20) | 0.19 (0.21) |

NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

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