

|                                |               | BLE NO.1 L                |   | INAL STEE                                  |  |        |
|--------------------------------|---------------|---------------------------|---|--|--|--------|
| Slob thickness<br>and bar size |               | Reguator<br>reinforcement | First<br>specing<br>at edge<br>or joint | Second<br>specing<br>from edge<br>or joint | Additional<br>reinforcement<br>at transverse<br>const. joint |        |
| T.                             | Bor<br>number | Specing<br>*C*<br>mm      | Specing<br>"A"<br>nn                    | Spacing<br>*B*<br>mm                       | Spacing<br>2 x C   | Length |
| 200                            | 5             | 235                       | 75 To 100                               | 75 To 235                                  | 270  | 1000   |
| 225                            | 5             | 190                       | 75 To 100                               | 75 To 190                                  | 380  | 1000   |
| 250                            | 6             | 215                       | 75 To 100                               | 75 To 220                                  | None   |        |
| 275                            | 6             | 180                       | 75 To 100                               | 75 To 190                                  | None   |        |
| 300                            | 6             | 155                       |   | 75 To 160                                  | None   | -      |
| 325                            | 6             | 135                       | 75 To 100                               | 75 To 150                                  | None   | -      |

| TABLE NO. 2A ALLOWABLE PAVEMENT WIDTH(W) IN METERS FOR TRANSVERSE BAR SPACING (BS) NOT SHOWN USE FORMULAE. |        |        |        |        |        |        |  |
|--|--------|--------|--------|--------|--------|--------|--|
| Slob<br>Thickness  | 200 mm | 225 mm | 250 mm | 275 nm | 300 mm | 325 mm |  |
| #5 BAR AT 1000 mm  | 17.3   | 15.4   | 13.8   | 12.6   | 11.5   | 10.6   |  |
| #5 BAR AT 600 mm   | 28.8   | 25.6   | 23.0   | 20.9   | 19.2   | 17.7   |  |
| #6 BAR AT 1000 mm  | 24.5   | 21.8   | 19.6   | 17.8   | 16.4   | 15.1   |  |
| #6 BAR AT 600 mm   | 40.9   | 36.3   | 32.7   | 29.7   | 27. 3  | 25.2   |  |

# TRANSVERSE STEEL AND TIEBAR SPACINGS SHALL BE BASED ON THE FOLLOWING FORMULAE.

W = 3,455,000 N N = 4,905,000 N

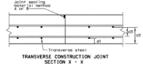
Title Title
Wi - Allowoble width of powerent slob wid
Necoured edge to edge or edge to unit
N - Number of loyers of steel (1 or 2)
T - Thickness of slob in (mm)
Is - bor spocing in (mm)

#### GENERAL NOTES

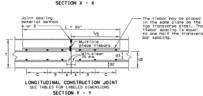
- For further information regarding the placement of concrete and reinforcement, refer to the governing specifications for "Concrete" and "Reinforcing steet".
- Longitudinol and transverse bars shall be deformed steel con-forming to ASTM A-615M (Crade 420) or ASTM A-616M (Crade 420).
- Details for povement width, povement thickness and the crown cross-slope shall be shown elsewhere in the plans.
- Splices shall be a minimum of 33 times the diameter.
- Vibration with hand-manipulated mechanical vibrators is required adjacent to all transverse construction joints.
- The detail for joint seplant and reservoir will be shown in concrete povement detail, joint seplant.
- 7. Powerent widths of more than 4.6 meters shall have a longitudinal joint (Section 2-2 or Y-Y), these joints shall be located within 150 mm of the lone line unless the joint is shown elsewhere on the plans.
- Is shown elsewhere on the plans.
  8. The saw cut for the longitudinal joint may be one fourth the slob thickness when crushed limestone is used as the operac opgregate.
- Within any area bounded by 0,7 meters of pavement length necessared parallel to the centerline and 5.6 meters of width necessared perpendicular to the pavement centerline, not over 35% of the regular longitudinal steel shall be spliced.
- 33% of the regular long-tearns state, where we have been considered to the state of the state of

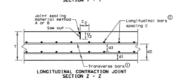


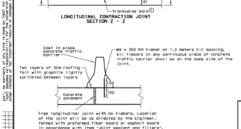
CPCR (1) = 5... (n 100) with 1001 wi

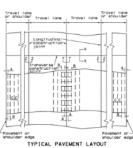


FREE LONGITUDINAL JOINT DETAIL









### GENERAL NOTES For further information regarding the placement of concrete and reinforcement, refer to the governing specifications for "Concrete" and "Reinforcing steet".

- Longitudinal and transverse bars shall be deformed steel con-forming to ASTM A-615M (Grade420) or ASTM A-616M (Grade420).
- Details for povement width, povement thickness and the crown cross-slope shall be shown elsewhere in the plane.
- 4. Spiloes shall be a minimum of 33 times the n
- Vibration with hand-manipulated mechanical vibrators is required adjacent to all transverse construction joints.
- The detail for joint seciant and reservoir will be shown in concrete powement detail, joint seciant.
- 7. Powerent vicities of more than 4.8 meters shall have a longitudinal joint (Section 2-Z or Y-Y). These joints shall be located within 150 mm of the lane line unless the joint is shown elsewhere on the plans.
- 8. The sow cut for the longitudinal joint may be one fourth the slob thickness when crushed limestone is used as the coarse aggregate.
- Within dry dred bounded by 0.7 seters of poverent length within dry dred bounded by 0.7 seters of poverent length encoursed perpendicular to the poverent center line, not over 33% of the regular longitudinal steel shall be salload. But 15he place 18bors shall be used of lengitudinal seteral shall be salload. But 15he place 18bors shall be used of lengitudinal orions.
- For the 325 mm slab thickness, when standard detail CPCR(2)-94M is included in the plane, the contractor may choose either the one or two layer placement of reinforcing steel unless otherwise specified.

Footnote:

① Men acchine ploping of the steel reinforcement is used, the steel of chairs still not be required and the frontwerse steel may be plosed doze or believe the long to plosed doze or believe the long full full call steel. The vertical location of the bors will be approved by the Enginee

| Slab thickness<br>and bar size |               | Regualar<br>reinforcement | First<br>specing<br>at edge<br>or joint | Second<br>specing<br>from edge<br>or joint |  |
|--------------------------------|---------------|---------------------------|---|--|--|
| ,<br>mn                        | Bor<br>Number | Spacing<br>"C"            | Spacing<br>"A"<br>mm                    | Spacing<br>"B"                             |  |
| 325                            | 6             | 275                       | 75 To 100                               | 75 To 285                                  |  |
| 375                            | 6             | 215                       | 75 To 100                               | 75 To 225                                  |  |

TABLE NO. 1 LONGITUDINAL STEEL

| TABLE NO. 2B  ALLOWABLE PAVEMENT WIDTH (W) IN METER FOR TRANSVERSE BAR SPACING (Bb) NOT SHOWN USE FORMULAE. |        |        |        |  |  |  |
|---|--------|--------|--------|--|--|--|
| Slob<br>thickness   | 325 mm | 350 mm | 375 mm |  |  |  |
| #5 Bar at 1000 mm   | 21.3   | 19, 8  | 18.4   |  |  |  |
| #5 Bar at 600 mm  | 35.5   | 32.9   | 30.7   |  |  |  |
| #6 Bar at 1000 mm   | 30.2   | 28.0   | 26.2   |  |  |  |
| #6 Bor of 600 mm  | 50.3   | 46.7   | 43.6   |  |  |  |

| LE PAVEMENT WIDTH(W) IN METERS<br>OR TRANSVERSE BUR SPACING (Ba)<br>NOT SHOWN USE FORMULAE. |        |        | TWO LA |               | NO.3<br>L PLACEMEN<br>OF DIMEN |                  |     |
|---|--------|--------|--------|---------------|--------------------------------|------------------|-----|
| l ob<br>kness   | 325 mm | 350 mm | 375 mm | Thickness     | dl<br>Milimeters               | d2<br>Milimeters | мі  |
| a+ 1000 mm  | 21.3   | 19, 8  | 18.4   | (Willimeters) | (+/-10 mm)                     | (+/-10 mm)       | CIE |
| o† 600 mm   | 35.5   | 32.9   | 30.7   | 325           | 60                             | 160              | =   |
| ot 1000 mm  | 30.2   | 28.0   | 26.2   | 350<br>375    | 70<br>80                       | 170              |     |
| at 600 mm   | 60 X   | 46.7   | 43.6   | 2.5           | - 60                           | 190              | _   |

## TRANSVERSE STEEL AND TIEBAR SPACINGS SHALL BE BASED ON THE FOLLOWING FORMULAE.

- W = 3,455,000 N T Be W = 4,905,000 N T Be
- T B8 T 58

  N Allowable width of powement slob width in Mecoursed edge to edge or edge to united ji N Number of layers of steel (I or 2) T Thickness of slab in (nm) B8 Bor spooling in (nm) Maximum B8 + 1000 mm Wininum B8 500 mm

| TABLE NO. 3 TWO LAYER STEEL PLACEMENT SPECIFICATIONS OF DIMENSIONS |   |   |  |  |  |  |  |
|--|---|---|--|--|--|--|--|
| Thickness<br>T<br>(Milimeters)                                     | dl<br>Milimeters<br>Tolerance<br>(+/-10 mm) | d2<br>Milimeters<br>Tolerance<br>(+/-10 mm) | d3<br>Milimetera<br>Minimum<br>Clearance |  |  |  |  |
| 325  | 60  | 160   | 50                                       |  |  |  |  |
| 350  | 70  | 170   | 50                                       |  |  |  |  |
| 375  | 80  | 180   | 50                                       |  |  |  |  |



DCS2996LCOR IN- L.8 On- L.8 On- RCO (no- TEDOT)

- ALT 1994 SIST PIR MI TORRES, INF PROJECT

- MIL 6 No 2002 1391

- MONTH CONTROL SICT