



RE-SURFACING OPERATION
 WORK SPACE BEFORE AND THRU INTERSECTION
 MULTI-LANE DIVIDED ROAD
 NOT TO BE USED FOR MORE THAN THREE CALENDAR DAYS

| POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH) | SPACING OF CHANNELIZING DEVICES (G) FEET | SPACING OF ADVANCE WARNING SIGNS (A) FEET | DECISION SIGHT DISTANCE FEET | TAPER LENGTH (L) FEET | BUFFER SPACE (B) FEET |
|---|--|---|------------------------------|-----------------------|-----------------------|
| 0 - 30 | 25 | 100 | 550 | 200 | 200 |
| 35 - 40 | | 325 | 700 | 325 | 305 |
| 45 - 50 | | 600 | 900 | 600 | 425 |
| 55 | 50 | 750 | 1200 | 700 | 500 |
| 60 - 65 | | 1000 | 1400 | 800 | 650 |
| 70 - 75 | | 1200 | 1600 | 900 | 820 |

NOTE:
 NOT ALL INFORMATION IN THIS BOX MAY APPLY TO THIS DETAIL.

DESIGNER NOTES (REMOVE FROM LAYOUT BEFORE INSERTING IN PLAN):
 (EQUIVALENT TO FIELD MANUAL LAYOUT 74)

1. INSERT SPACING CHART DISTANCES INTO LAYOUTS AND REMOVE CHART WHENEVER PRACTICAL.
2. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X2 OR SPECIAL SIGN IF CONGESTION IS EXPECTED, IF ADVANCE SIGNING TO DIVERT TRAFFIC IS NEEDED, OR OTHER CONDITIONS DETERMINED BY THE ENGINEER.
3. CONSIDER THE INSTALLATION OF A PCMS AND/OR G20-X1 SIGN (MODIFIED) OR G20-X2 SIGN FOR SEVEN DAY ADVANCE WARNING OF RESTRICTION.
4. FOR ANY EXCAVATION OR DROP-OFF IN EXCESS OF 12 IN., SEE THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES SECTION 6F.85 "TEMPORARY TRAFFIC BARRIERS".
5. WHEN IMPACTING PEDESTRIAN FACILITIES, TEMPORARY PEDESTRIAN ACCESS ROUTES MUST BE PROVIDED. SEE LAYOUT 6J-24 AND 6J-25 FOR GUIDANCE.
6. CONTACT APPROPRIATE ROAD AUTHORITY FOR SIGNAL TIMING MODIFICATIONS AND POSSIBLE TURN RESTRICTIONS BEFORE BEGINNING WORK AT ANY SIGNALIZED INTERSECTION.
7. COVER OR MODIFY ALL DIRECTIONAL SIGNING AFFECTED BY ANY TURN RESTRICTIONS. INCLUDE SIGN MODIFICATIONS, COVERS OR REMOVALS IN TRAFFIC CONTROL PLAN.
8. USE THE APPROPRIATE ADVANCE WARNING SIGN FOR THE ROADWAY CONDITION, I.E. GROOVED PAVEMENT, LOOSE GRAVEL, ROUGH ROAD.
9. * - REPEAT AFTER EACH INTERSECTION MAXIMUM SPACING 1 MILE FOR SPEEDS GREATER THAN 30 MPH AND 1/4 MILE FOR SPEEDS LESS THAN 30 MPH.
10. THE BUMP AHEAD AND ADVISORY SPEED PLAQUE MAY BE OMITTED WHEN THE POSTED SPEED IS 40 MPH OR LESS.
11. USE THE SAME ADVANCE WARNING SIGNS AND SPACINGS FOR THE OTHER APPROACH TO THE MILLED ROADWAY SURFACE AREA.
12. WHEN USED, ADVISORY SPEED PLAQUES SHALL BE INSTALLED BELOW THE APPROPRIATE WARNINGS.