



TANDEM-JEEP/POLE-TRAILER LOG HAUL TRUCK
 N.T.S.
 THE TEMPLATE USED FOR DESIGN OF THIS TURNOUT IS BASED ON A COMBINATION OF THE MAXIMUM OUTSWING AND OFF TRACKING THAT WOULD OCCUR WITH ANY OF THE TYPICAL LOG HAUL TRUCK-TRAILER CONFIGURATIONS WITH A 9M OVERHANG. THIS LAYOUT IS ALSO SUITABLE FOR A WB-36 TURNPIKE DOUBLE TRUCK AND OTHER SMALLER TRUCK UNITS.

- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.
 2. THIS IS A "TYPICAL" PLAN. DESIGNERS MAY CONSIDER OTHER LAYOUTS OR DIMENSIONS TO SUIT TOPOGRAPHY, TRAFFIC, OR PHYSICAL CONSTRAINTS AT THE SITE. REASONS /RATIONALE FOR MODIFICATIONS / CHANGES FROM THE "TYPICAL" PLAN SHOULD BE PROVIDED BY THE DESIGNER FOR THE DEPARTMENT'S CONSIDERATION.
 3. WHERE POSSIBLE, SITES SHOULD BE SELECTED SO THAT THE ACCELERATION TAPER IS LOCATED ON A DOWN GRADE SLOPE AND THE DECELERATION TAPER ON AN UPGRADE SLOPE TO ASSIST VEHICLE OPERATION.
 4. ADDITIONAL PARALLEL LANE LENGTH MAY BE PROVIDED AS REQUIRED BASED ON TRAFFIC AND GRADIENT.
 5. SRA'S ARE TO BE BUILT IN STAGES. STAGE 1 HAS ADEQUATE PARKING FOR MODERATE TRAFFIC VOLUMES. STAGE 2 MAY BE CONSTRUCTED IF REQUIRED TO MEET DEMANDS IN THE FUTURE. IN SOME CASES IT MAY BE COST-EFFECTIVE TO DO THE STAGE 2 GRADING AT THE SAME TIME AS THE STAGE 1 WORK.
 6. THE ACCELERATION AND DECELERATION TAPERS AS SHOWN ARE CONSIDERED SUITABLE WHERE THE UNDIVIDED HIGHWAY IS OPERATING AT LEVEL-OF-SERVICE 'A' AND THE TERRAIN IS RELATIVELY FLAT. WHERE THE LEVEL-OF-SERVICE IS LOWER OR THE ACCELERATION TAPER IS ON AN UPGRADE, THE NEED FOR A LONGER ACCELERATION LANE SHOULD BE ASSESSED. A MERGE SPEED OF 70 km/hr IS DESIRABLE BASED ON PERFORMANCE CURVES FOR HEAVY TRUCKS (180 GV).
 7. THIS SAFETY REST AREA IS INTENDED FOR USE BY ALL VEHICLES IN ONE DIRECTION ONLY.
 8. ADEQUATE DECISION SIGHT DISTANCE SHOULD BE PROVIDED AT EXIT TERMINALS.
 9. REFER TO CHAPTER F OF THE DESIGN GUIDE FOR NUMBER OF PARKING STALLS, TOILETS AND OTHER FEATURES.

TOTAL AREA REQUIRED = 3.7ha
IN ADDITION TO HIGHWAY RIGHT-OF-WAY

- + PROPOSED LIGHTING
- ☐ POSSIBLE TELEPHONE
- 2nd STAGE CONSTRUCTION

		FIGURE F-2.3.1 Date: MARCH 2007	
TYPICAL SAFETY REST AREA ON TWO LANE HIGHWAYS 20 YEAR AADT > 3000			
Prepared By: RS	Checked By: WmK	Scale: 1:2000	Page F-37