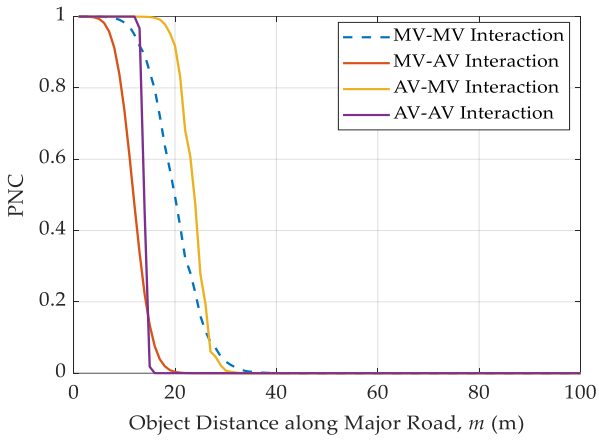
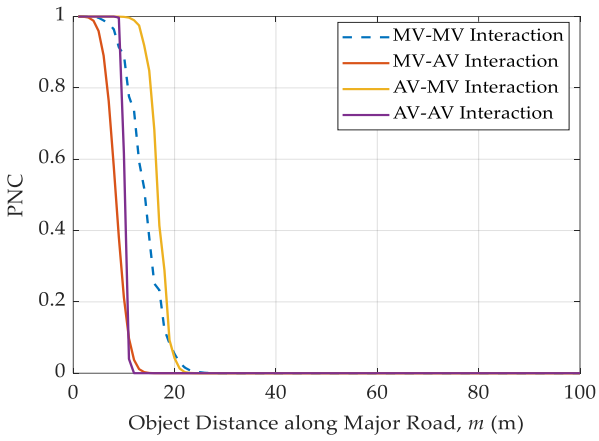
World Electric Vehicle Journal

MDPI

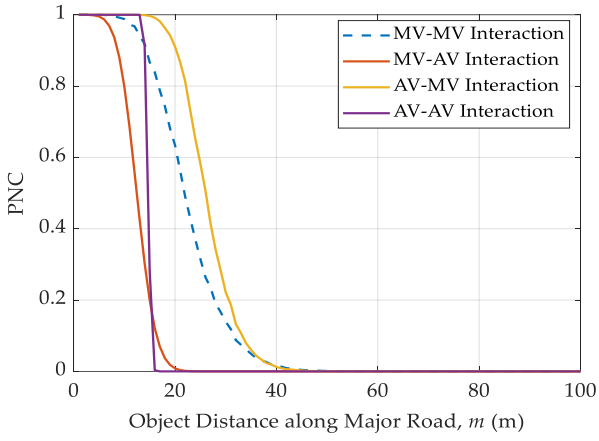
*Supplementary Material*



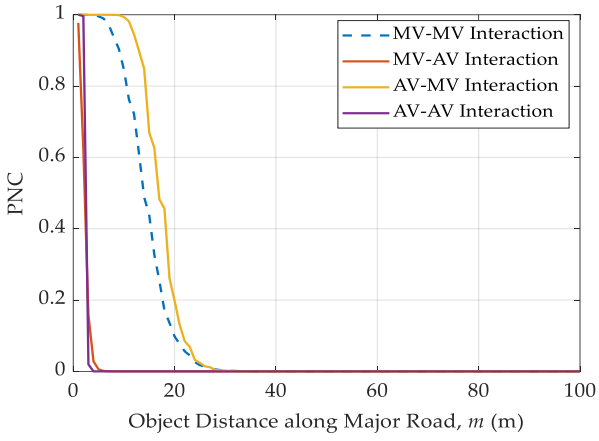

**(a) Crossing LHS SDT**



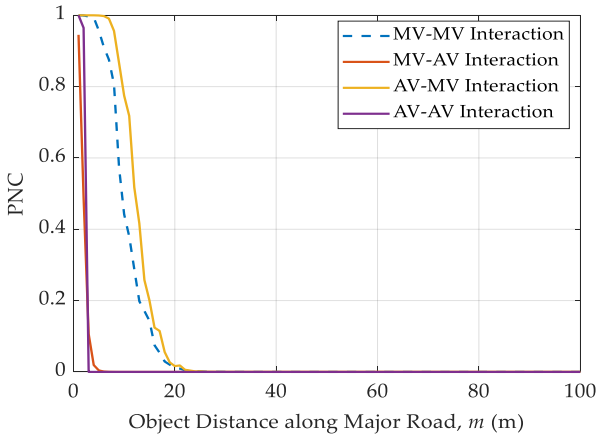

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

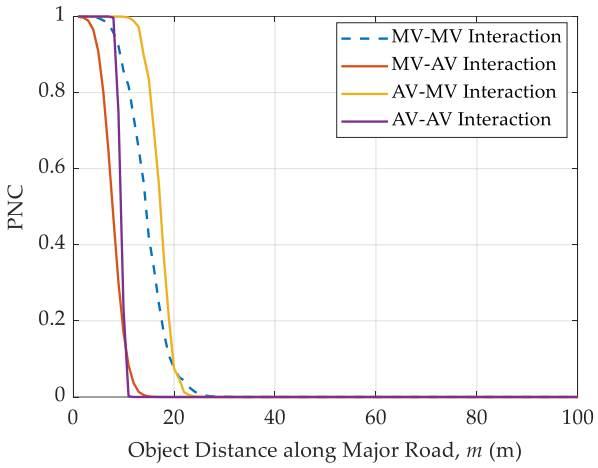



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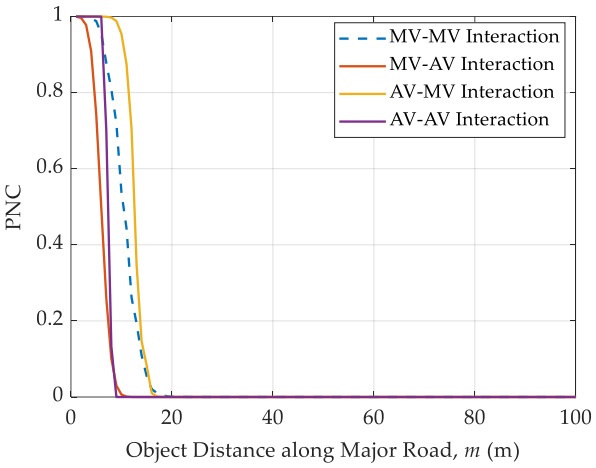



**(e) Right Turn LHS SDT**

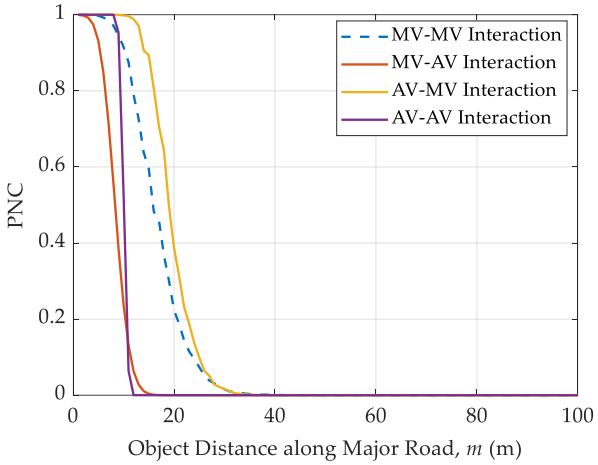
**Figure S1**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 20 km/h. and $n$ = 1)



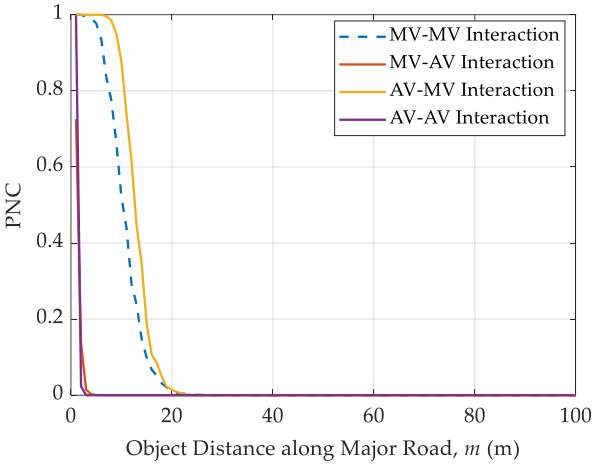

**(a) Crossing LHS SDT**



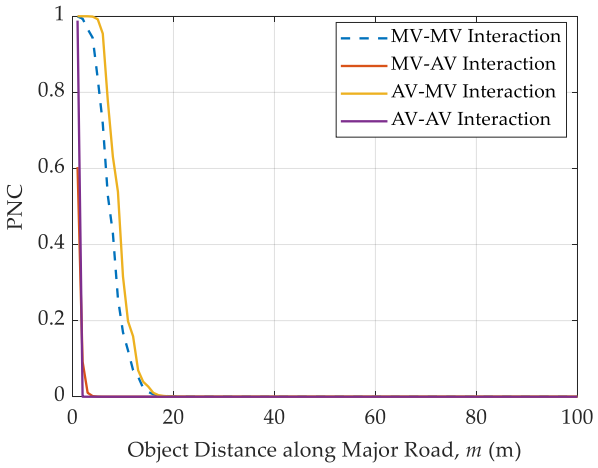

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

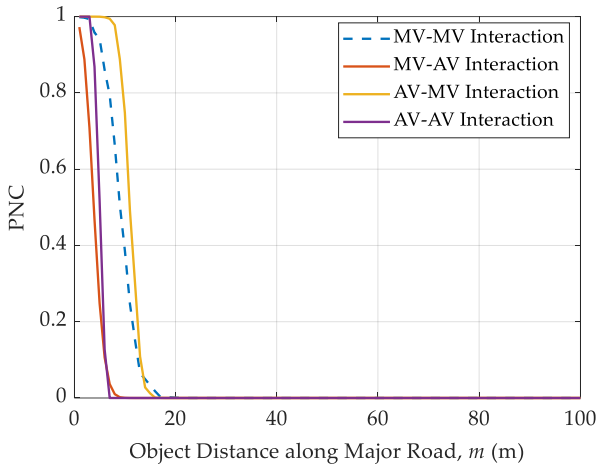



**(d) Left Turn RHS SDT**

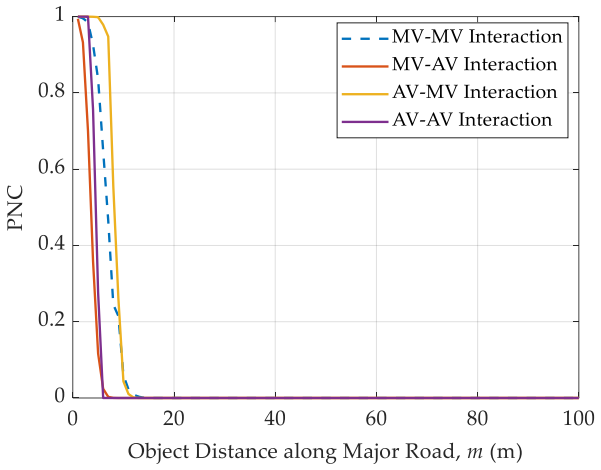



**(e) Right Turn LHS SDT**

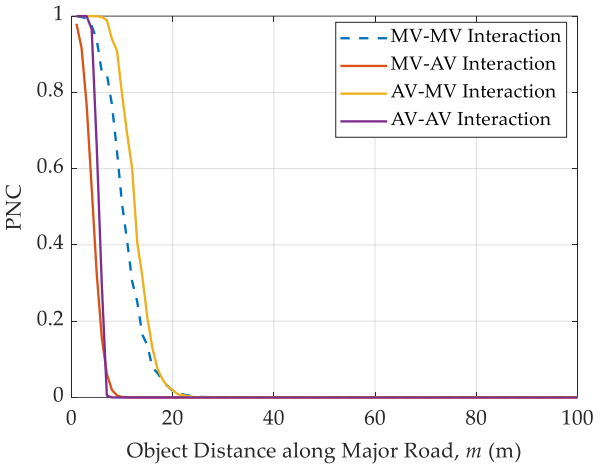
**Figure S2:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 20 km/hr. and $n$ = 2)



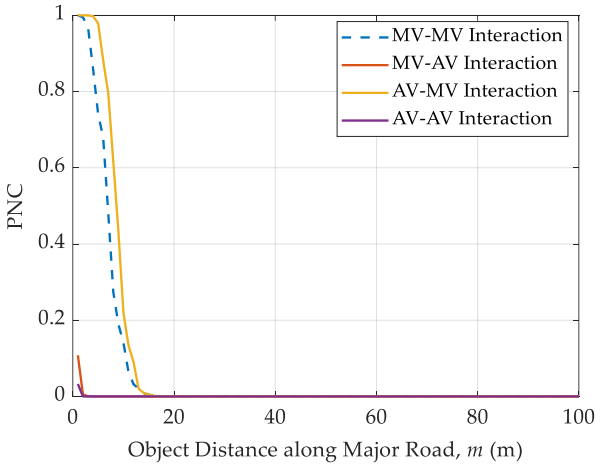

**(a) Crossing LHS SDT**



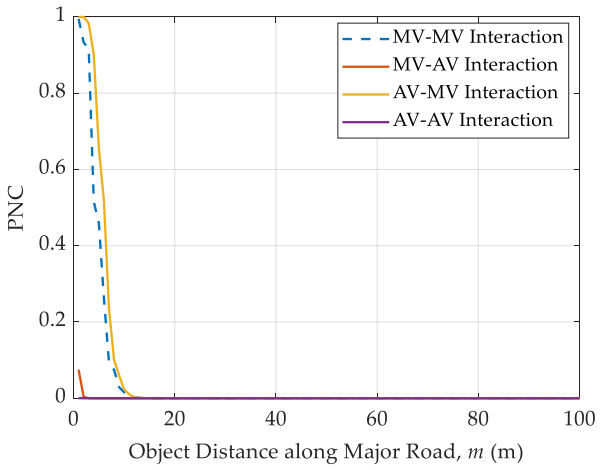

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

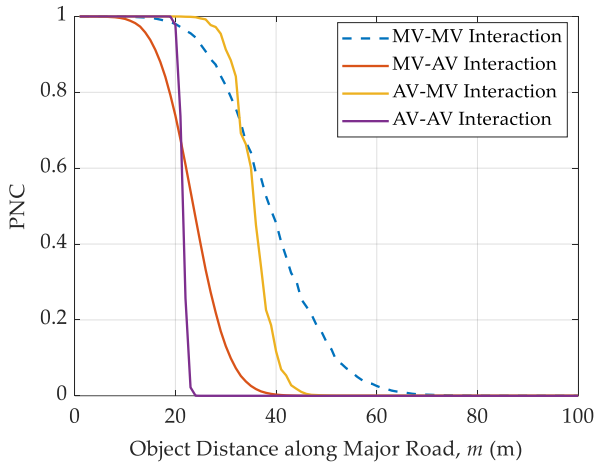



**(d) Left Turn RHS SDT**

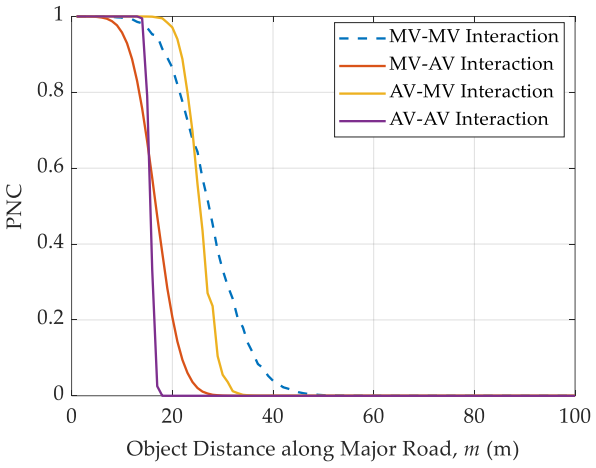



**(e) Right Turn LHS SDT**

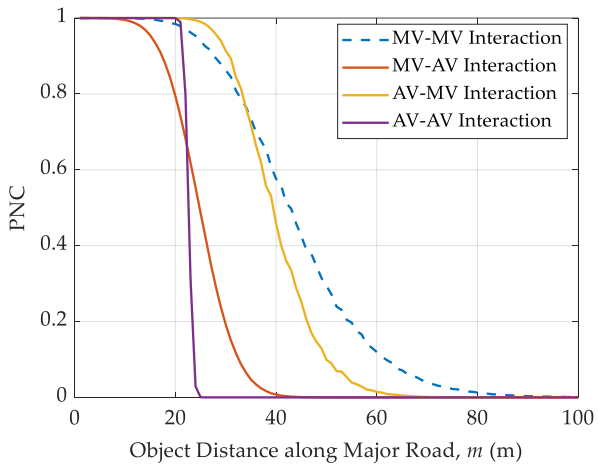
**Figure S3**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 20 km/hr. and $n$ = 3)



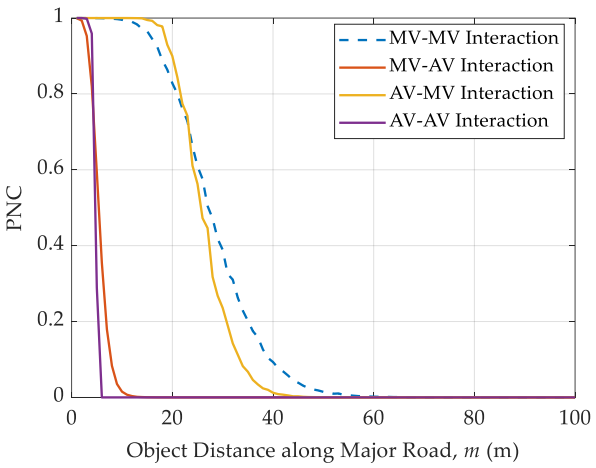

**(a) Crossing LHS SDT**



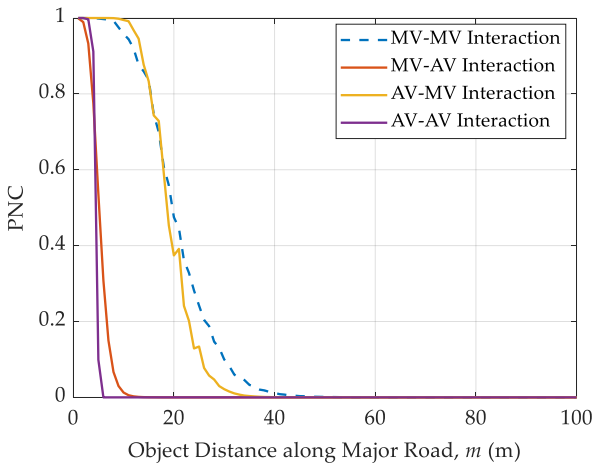

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

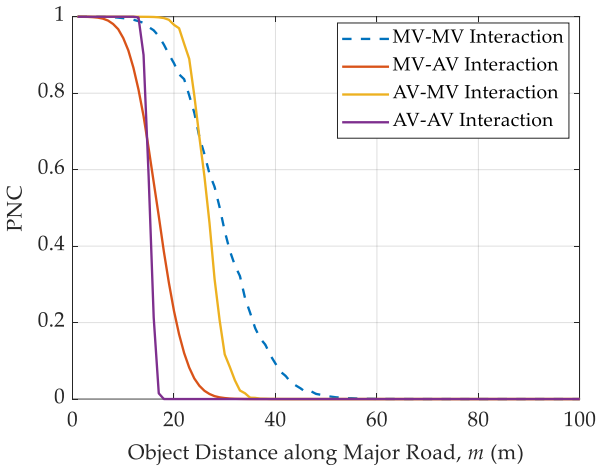



**(d) Left Turn RHS SDT**

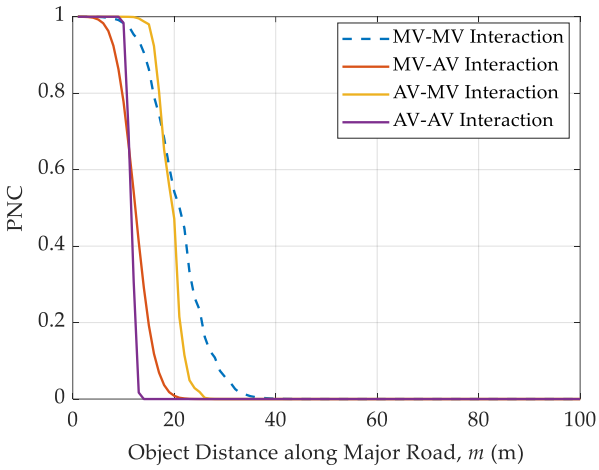



**(e) Right Turn LHS SDT**

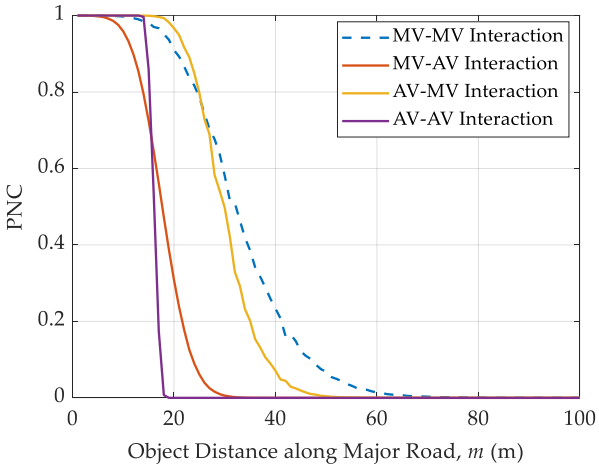
**Figure S4**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 30 km/hr. and $n$ = 1)



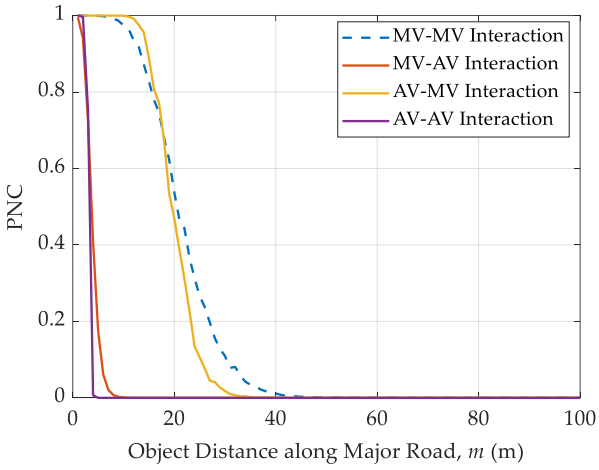

**(a) Crossing LHS SDT**



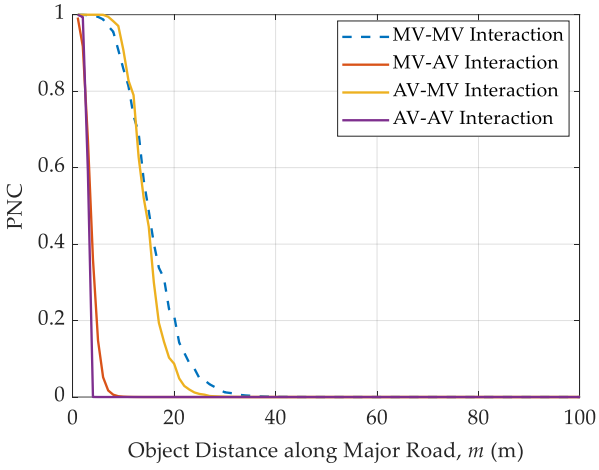

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

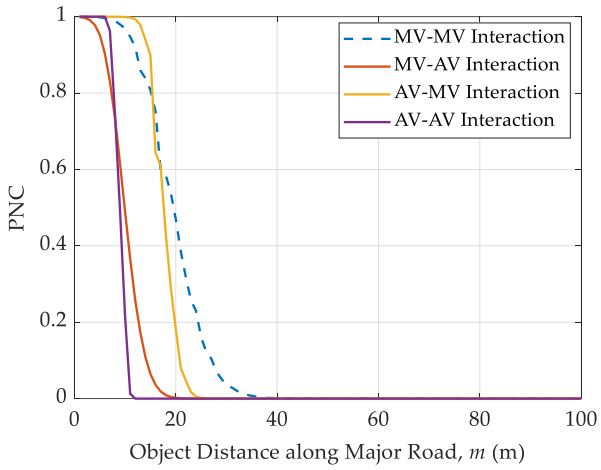



**(d) Left Turn RHS SDT**

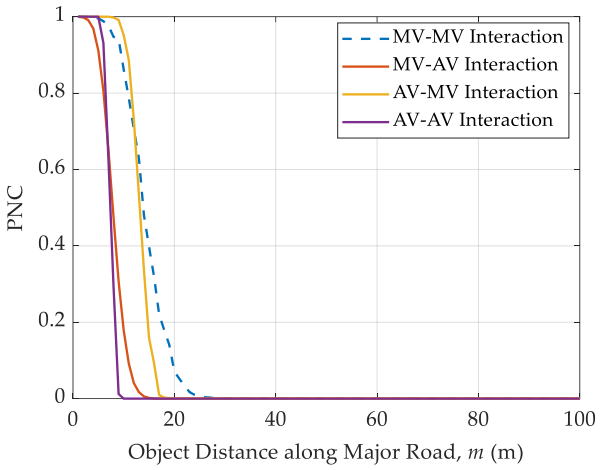



**(e) Right Turn LHS SDT**

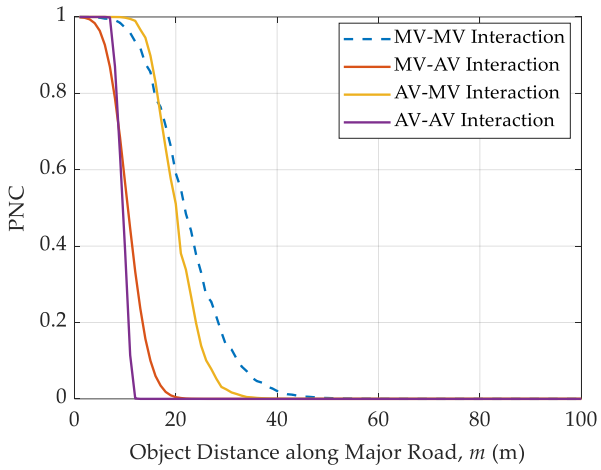
**Figure S5:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 30 km/hr. and $n$ = 2)



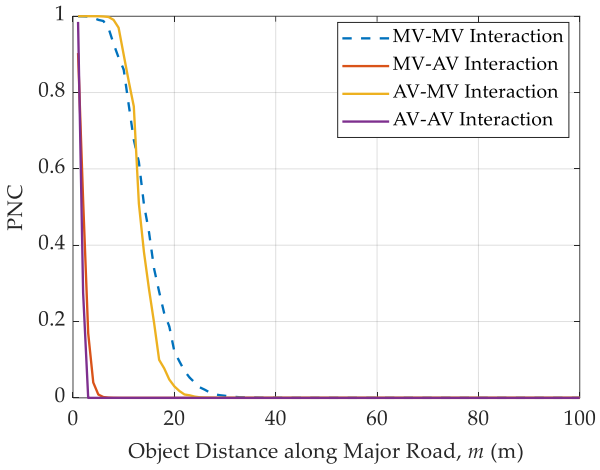

**(a) Crossing LHS SDT**



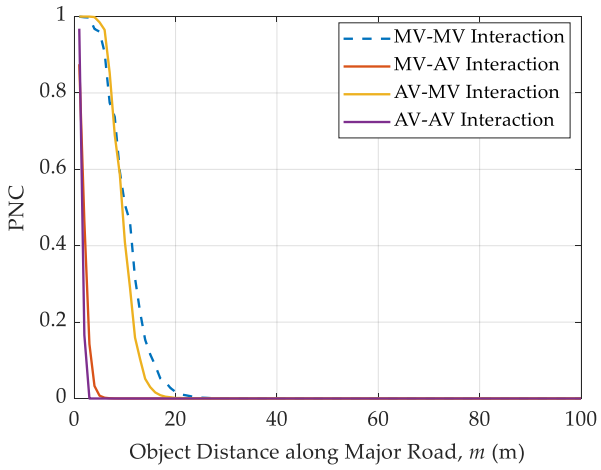

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

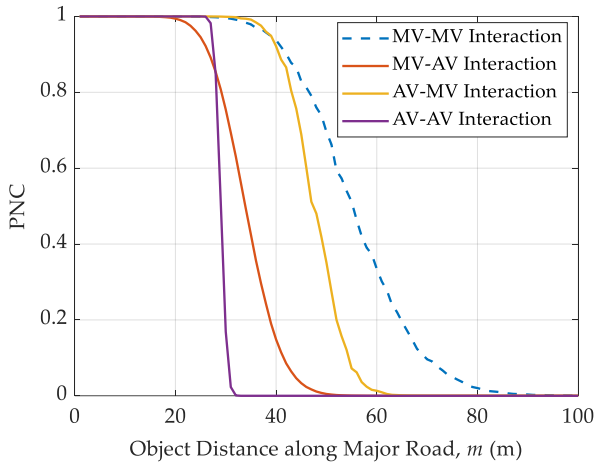



**(d) Left Turn RHS SDT**

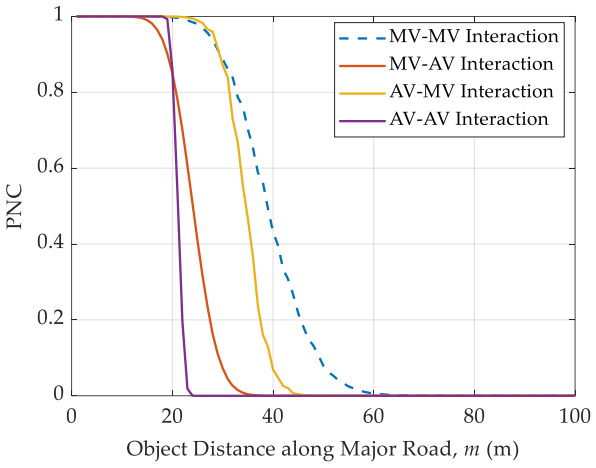



**(e) Right Turn LHS SDT**

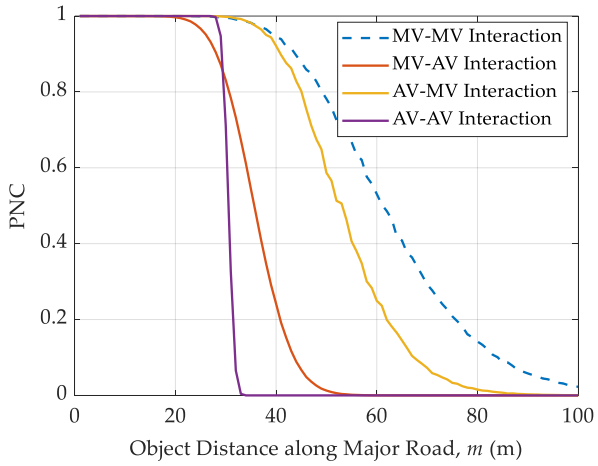
**Figure S6:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 30 km/hr. and $n$ = 3)



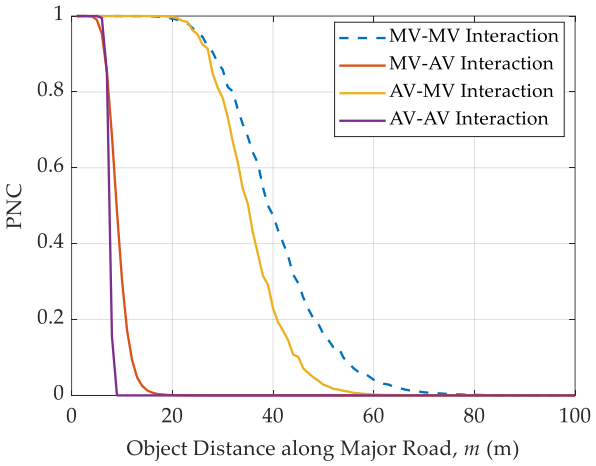

**(a) Crossing LHS SDT**



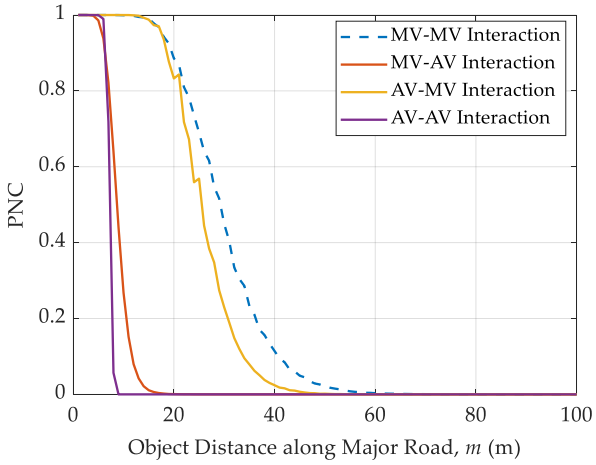

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

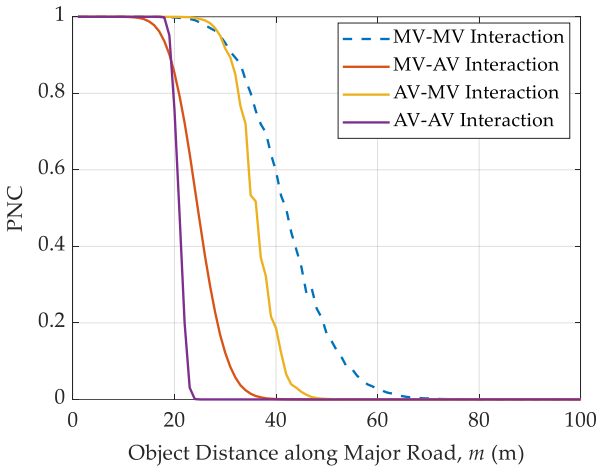



**(d) Left Turn RHS SDT**

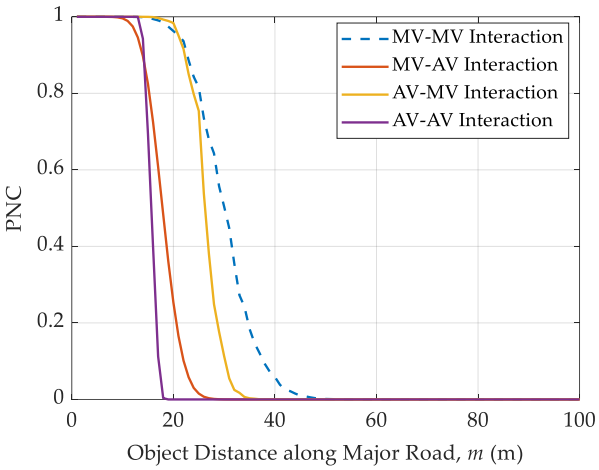



**(e) Right Turn LHS SDT**

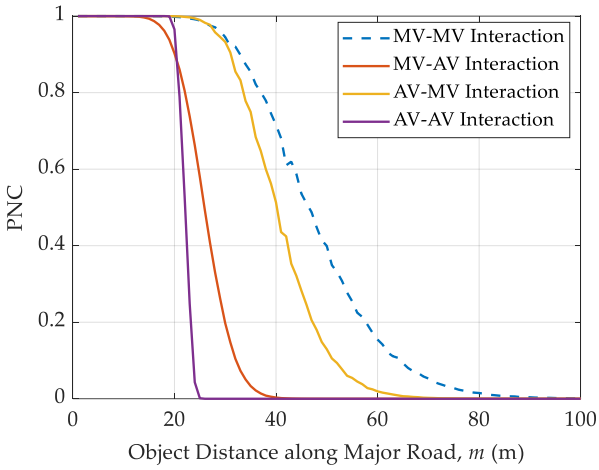
**Figure S7**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 40 km/hr. and $n$ = 1)



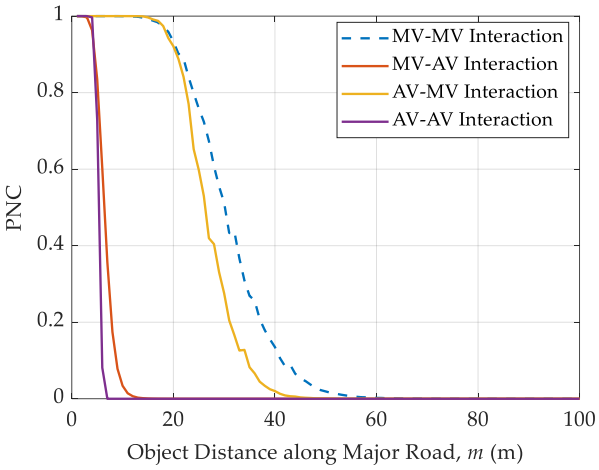

**(a) Crossing LHS SDT**



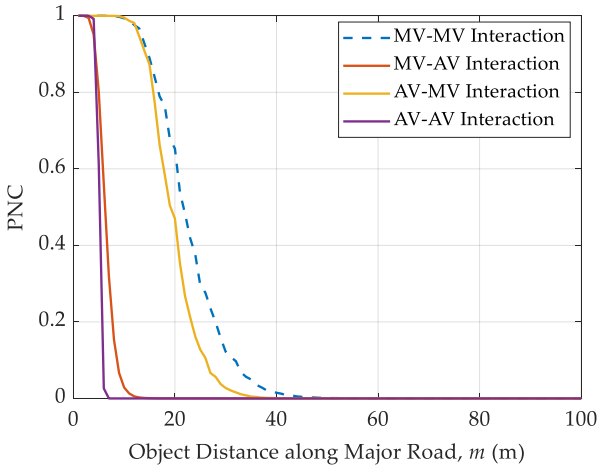

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

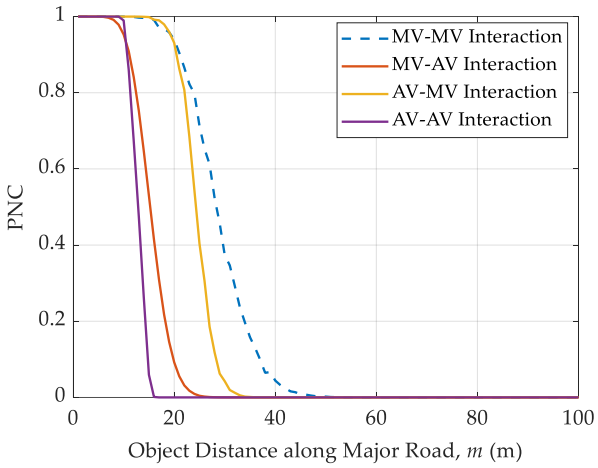



**(d) Left Turn RHS SDT**

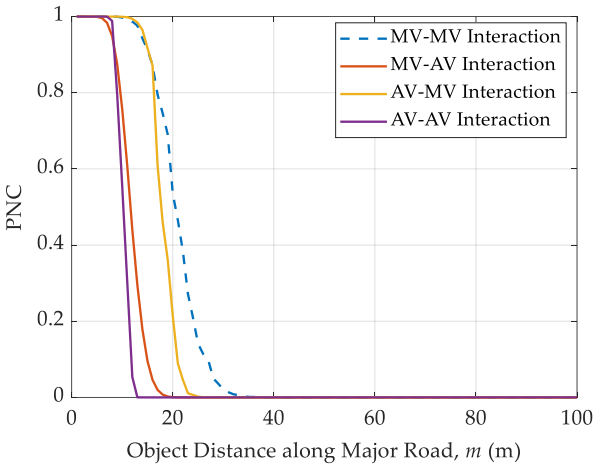



**(e) Right Turn LHS SDT**

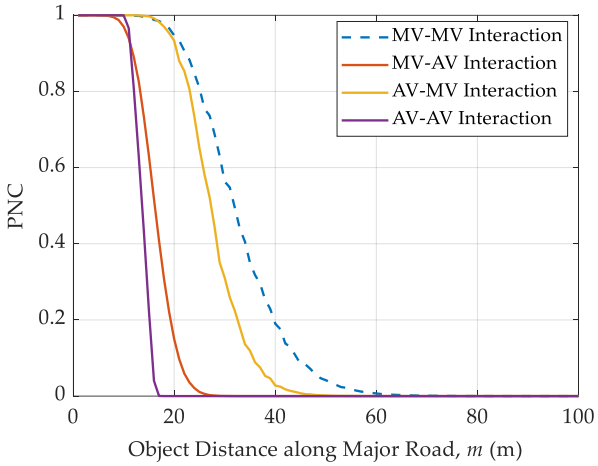
**Figure S8:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 40 km/hr. and $n$ = 2)



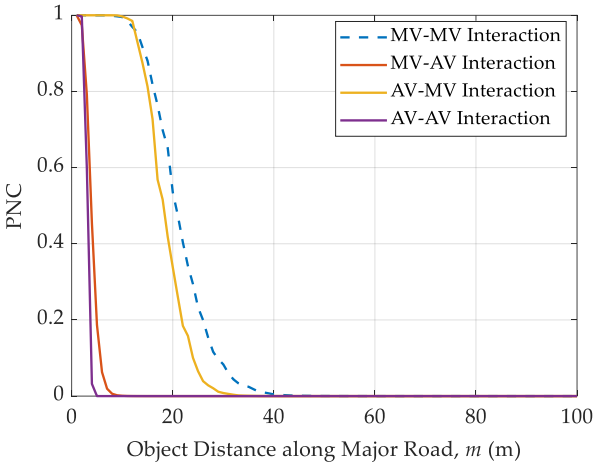

**(a) Crossing LHS SDT**



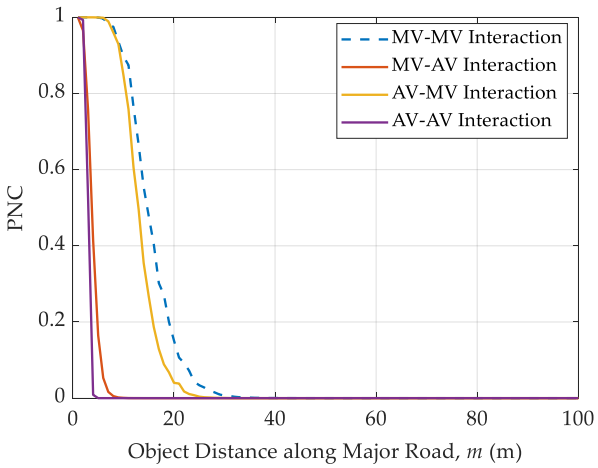

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

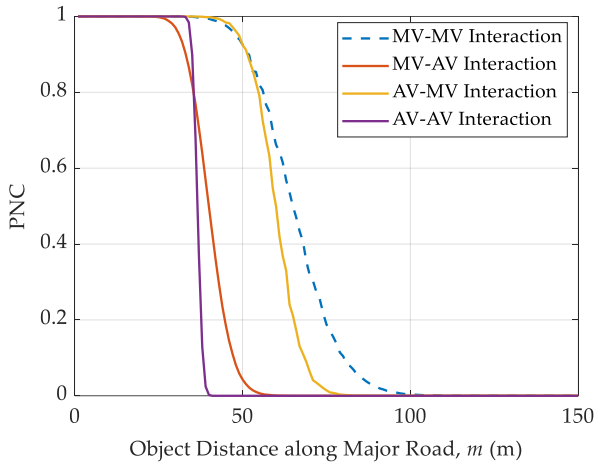



**(d) Left Turn RHS SDT**

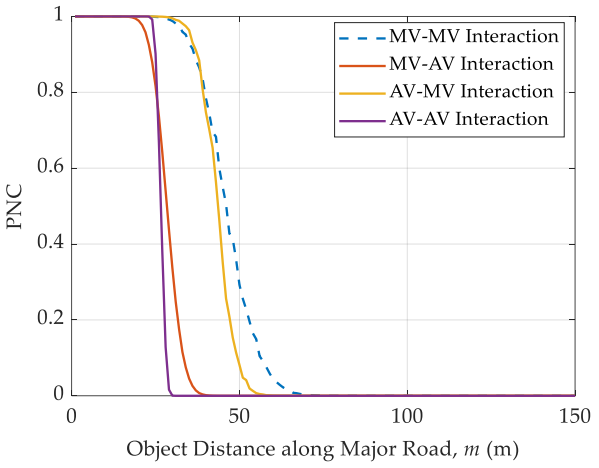



**(e) Right Turn LHS SDT**

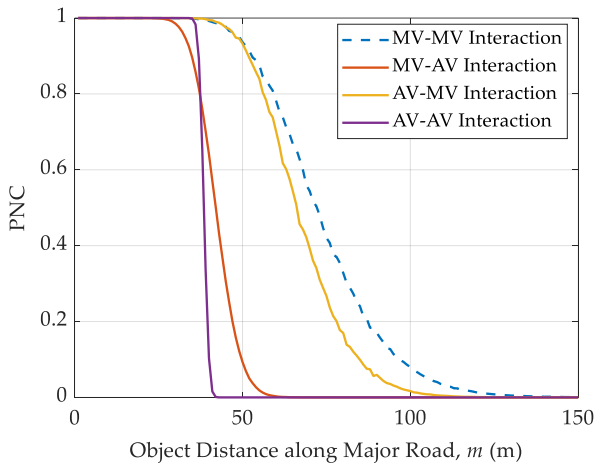
**Figure S9**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 40 km/hr. and $n$ = 3)



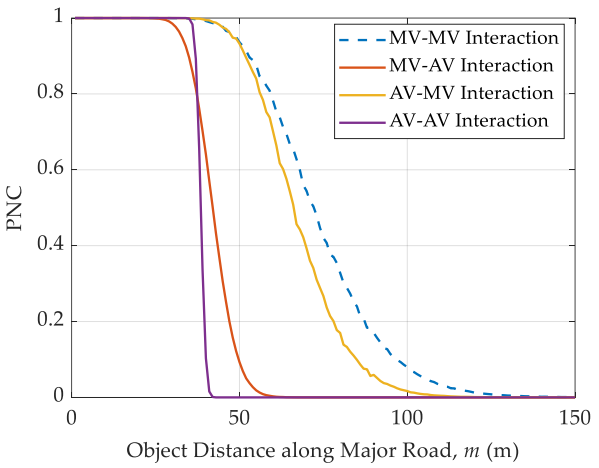

**(a) Crossing LHS SDT**



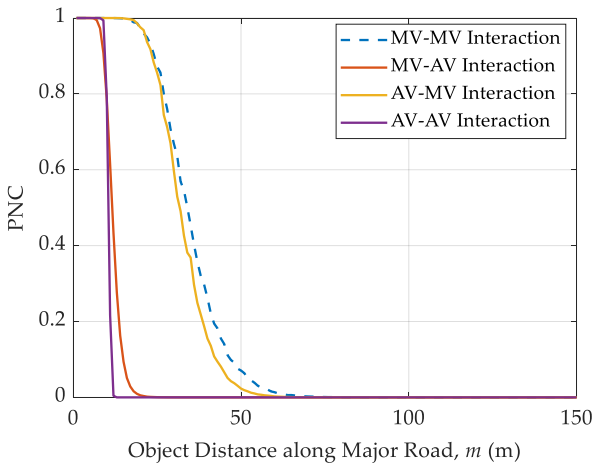

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

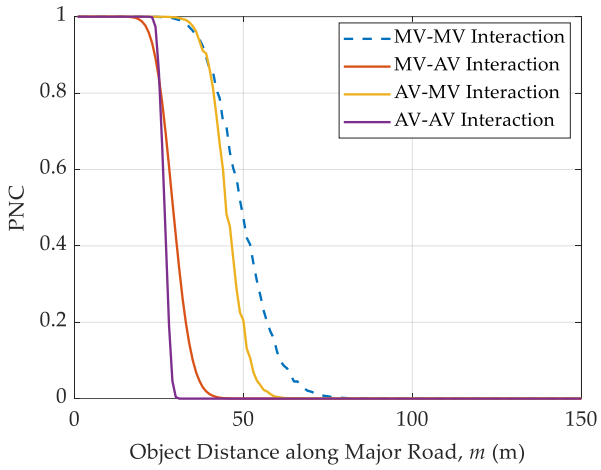



**(d) Left Turn RHS SDT**

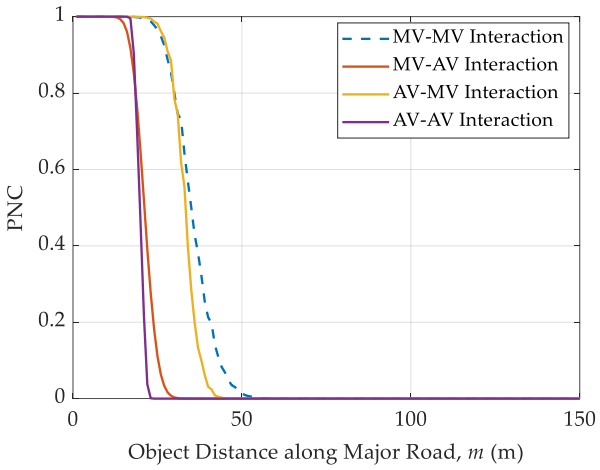



**(e) Right Turn LHS SDT**

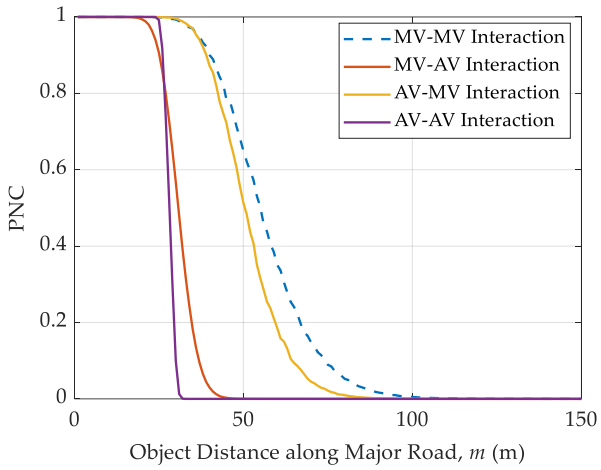
**Figure S10**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 50 km/hr. and $n$ = 1)



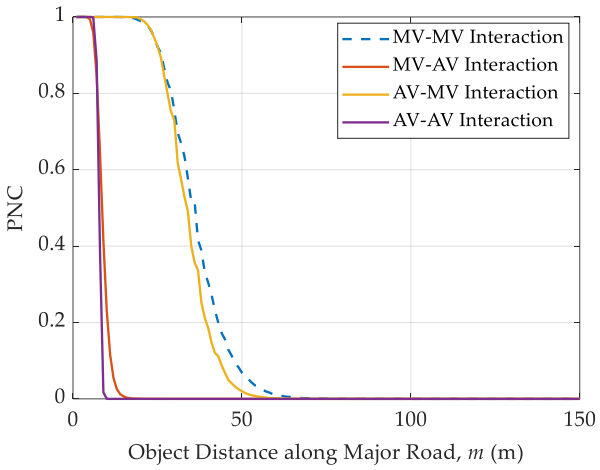

**(a) Crossing LHS SDT**



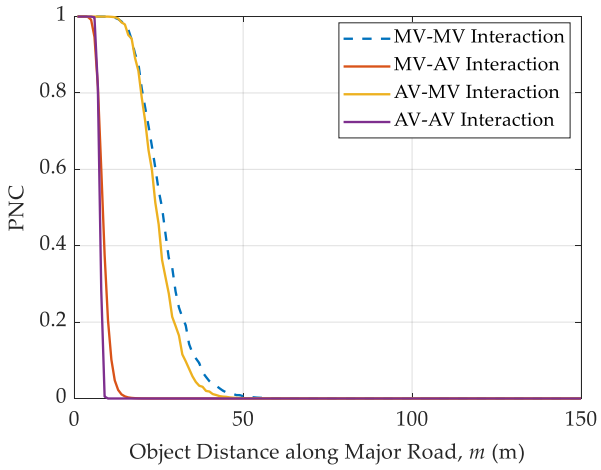

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

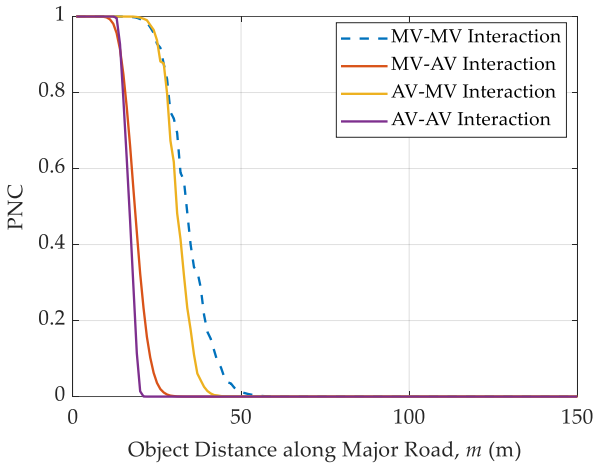



**(d) Left Turn RHS SDT**

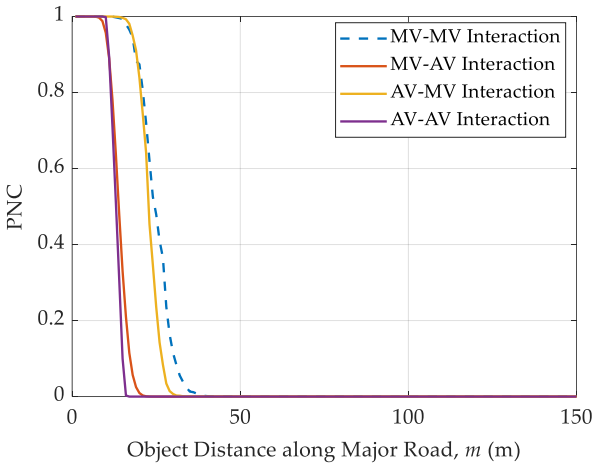



**(e) Right Turn LHS SDT**

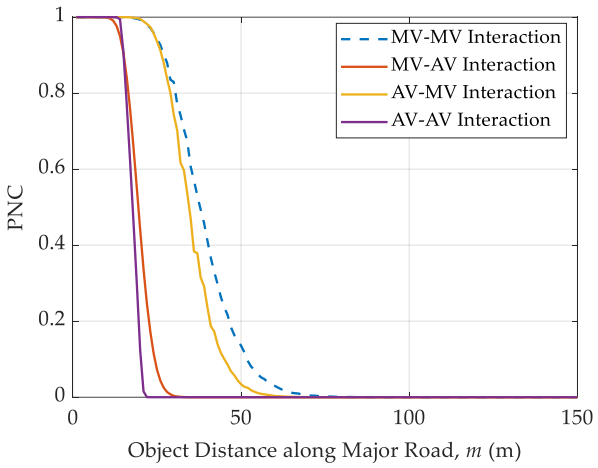
**Figure S11**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 50 km/hr. and $n$ = 2)



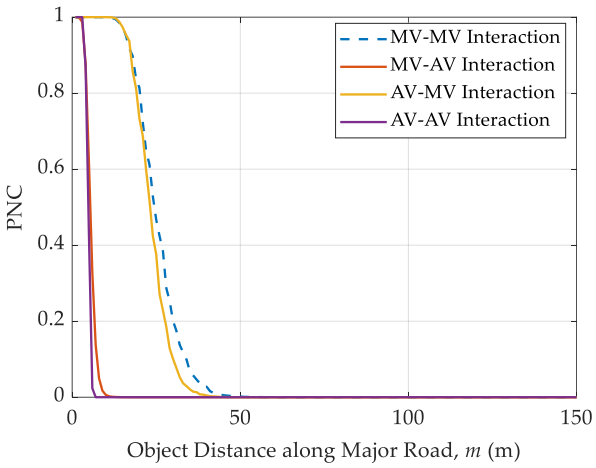

**(a) Crossing LHS SDT**



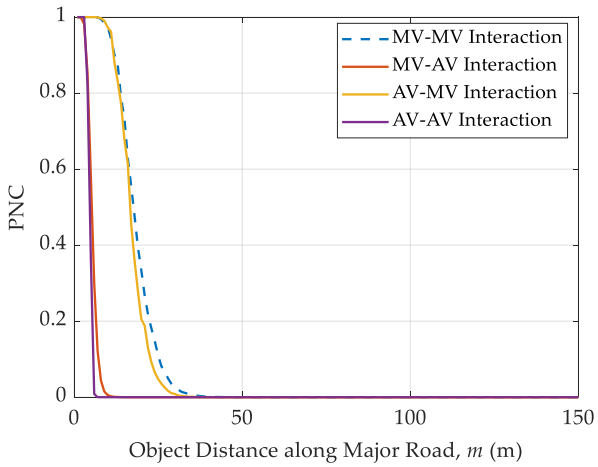

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

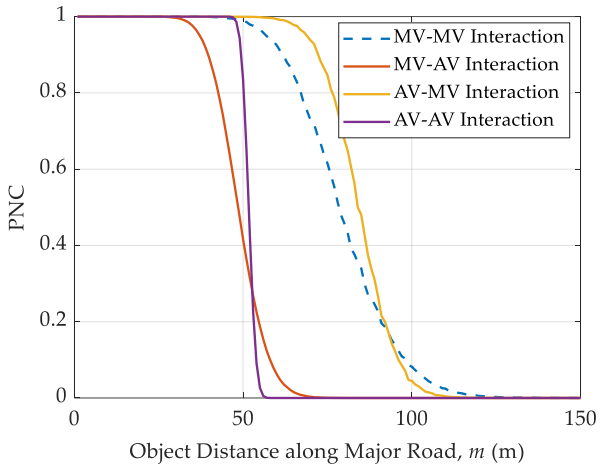



**(d) Left Turn RHS SDT**

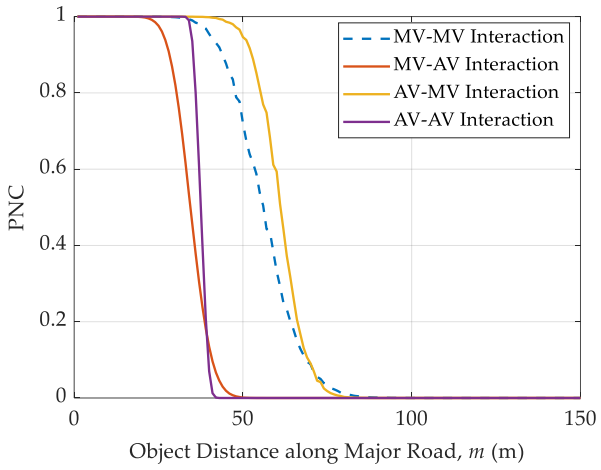



**(e) Right Turn LHS SDT**

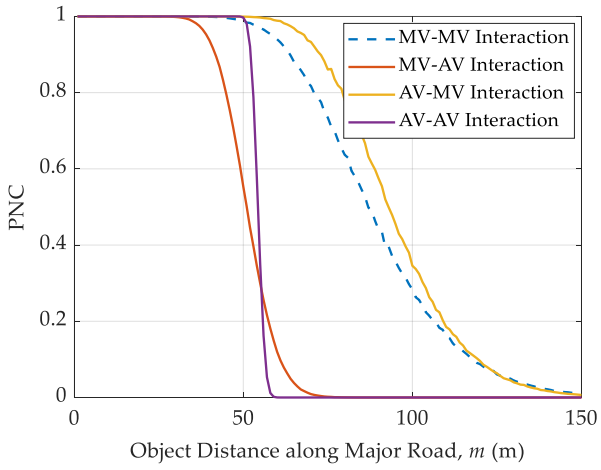
**Figure S12**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 50 km/hr. and $n$ = 3)



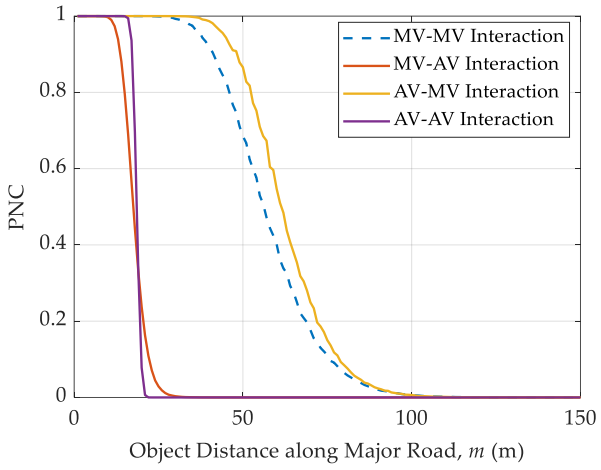

**(a) Crossing LHS SDT**



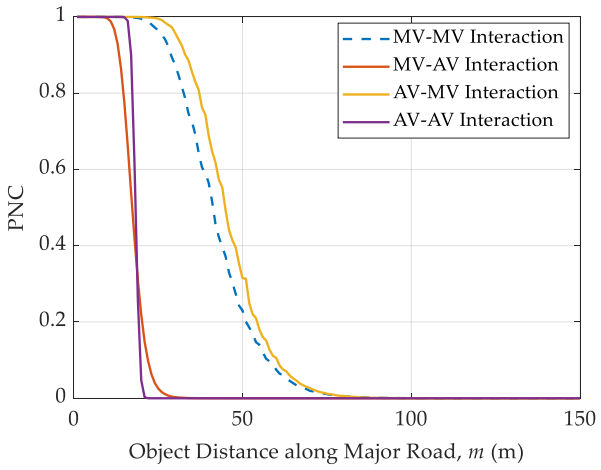

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

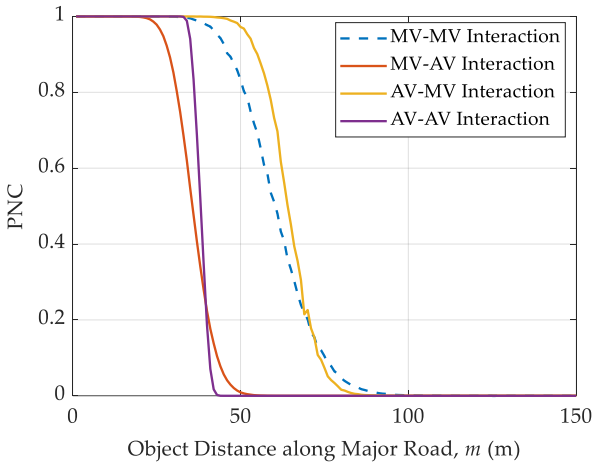



**(d) Left Turn RHS SDT**

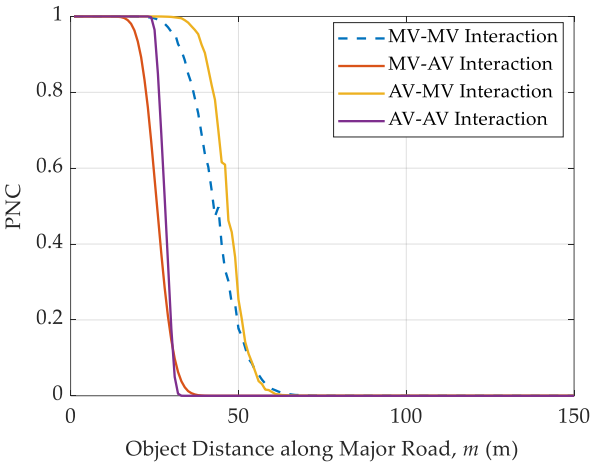



**(e) Right Turn LHS SDT**

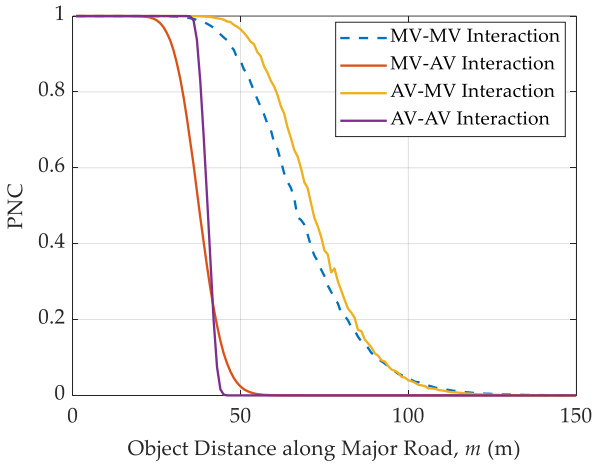
**Figure S13**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 70 km/hr. and $n$ = 1)



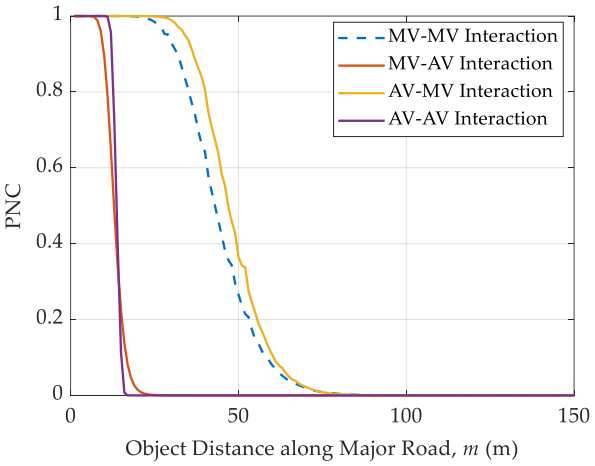

**(a) Crossing LHS SDT**



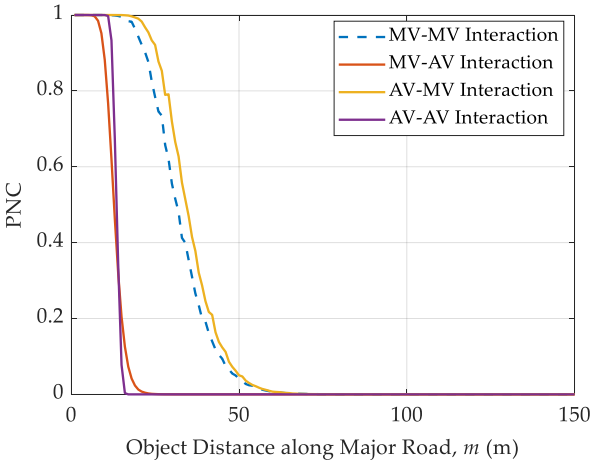

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

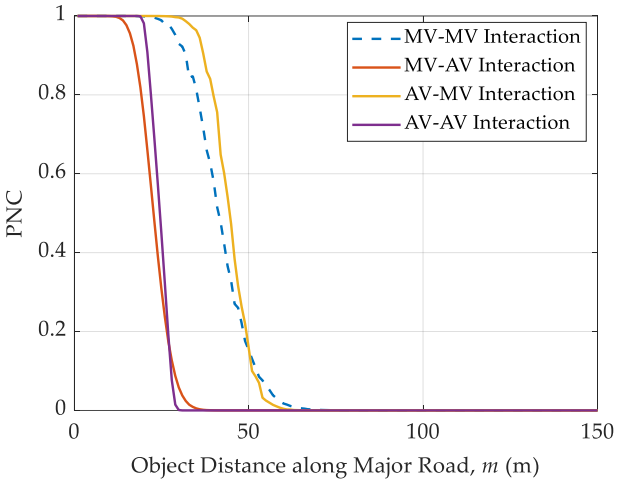



**(d) Left Turn RHS SDT**

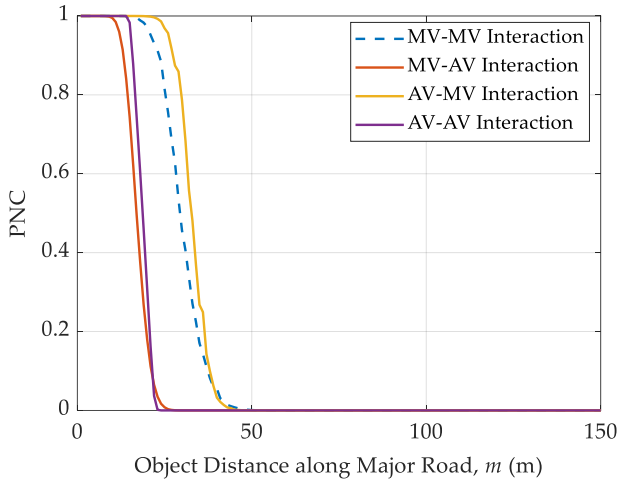



**(e) Right Turn LHS SDT**

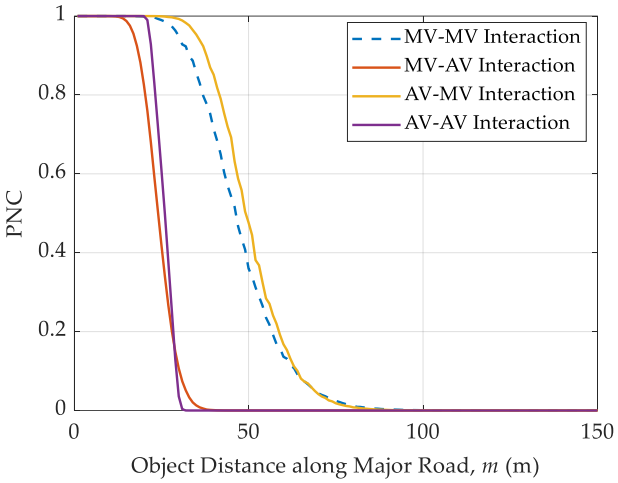
**Figure S14**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 70 km/hr. and $n$ = 2)



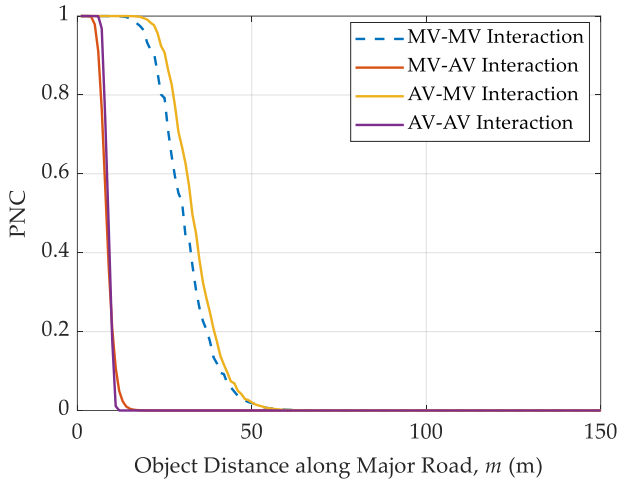

**(a) Crossing LHS SDT**



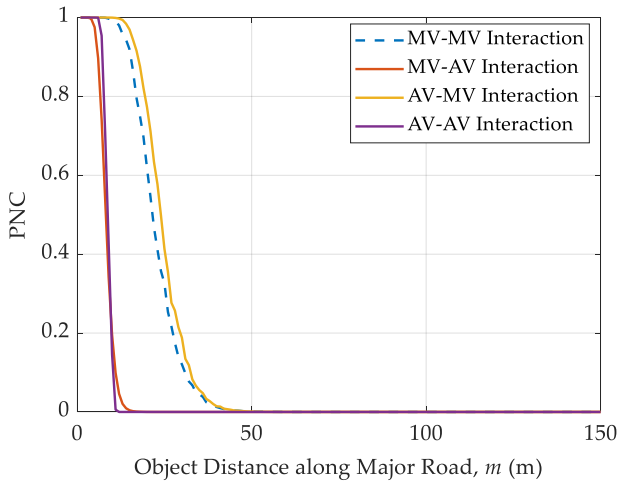

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

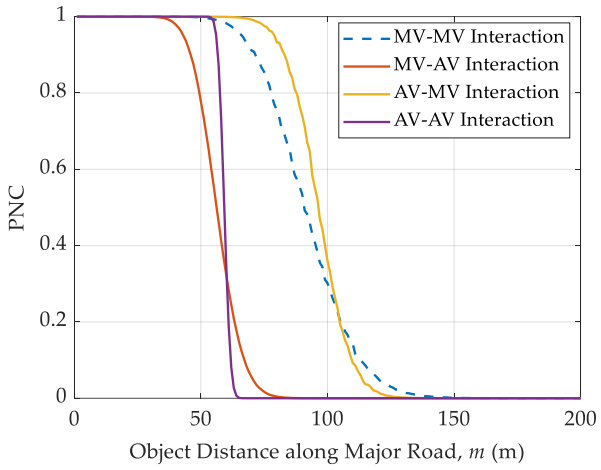



**(d) Left Turn RHS SDT**

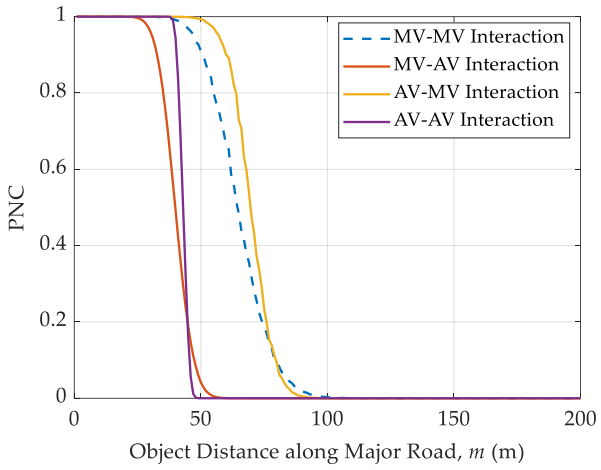



**(e) Right Turn LHS SDT**

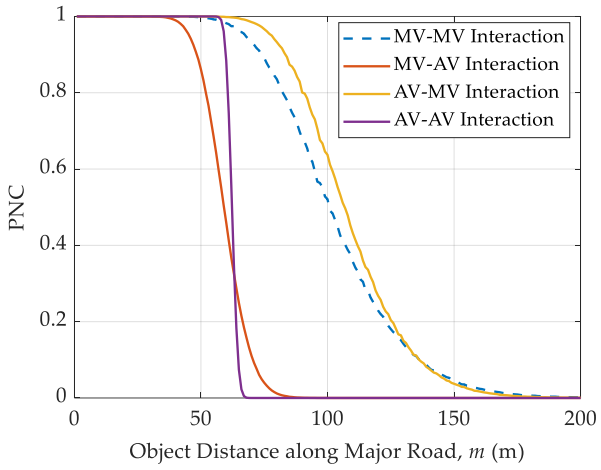
**Figure S15:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$= 70 km/hr. and $n$ = 3)



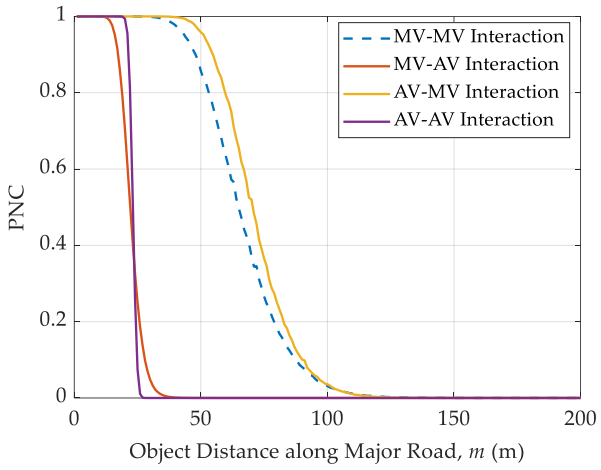

**(a) Crossing LHS SDT**



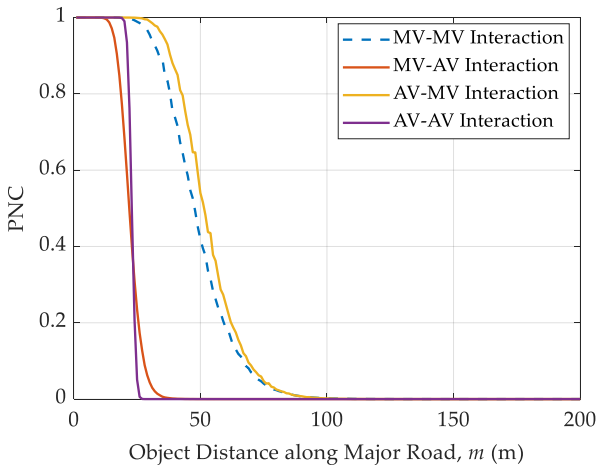

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

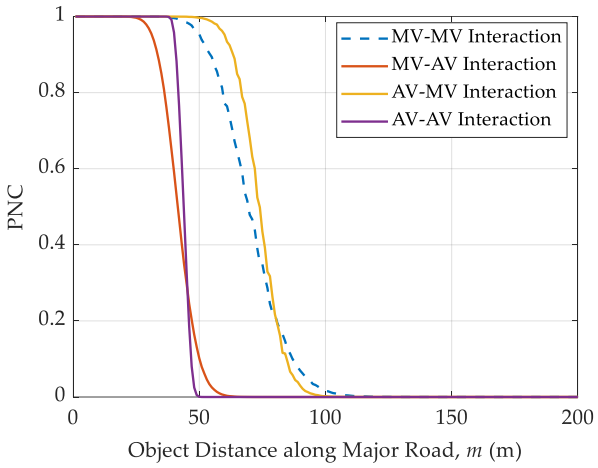



**(d) Left Turn RHS SDT**

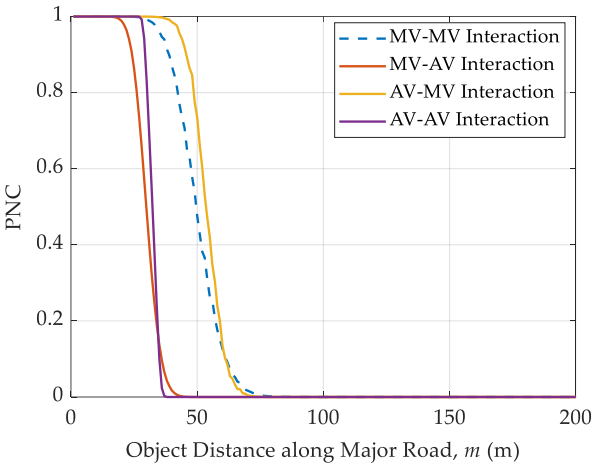



**(e) Right Turn LHS SDT**

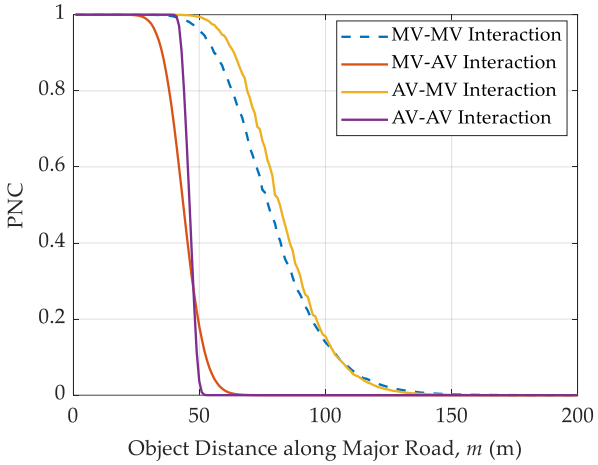
**Figure S16**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 80 km/hr. and $n$ = 1)



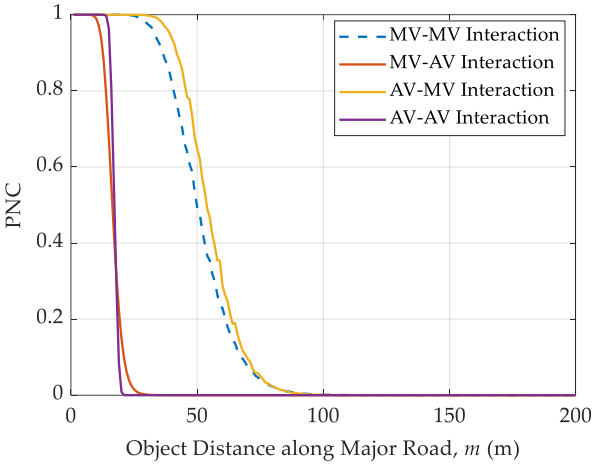

**(a) Crossing LHS SDT**



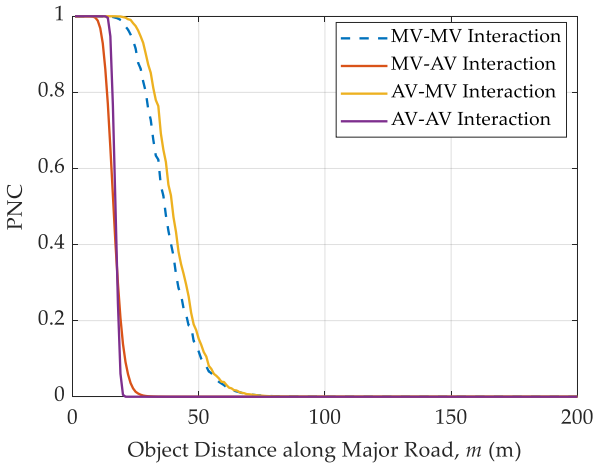

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

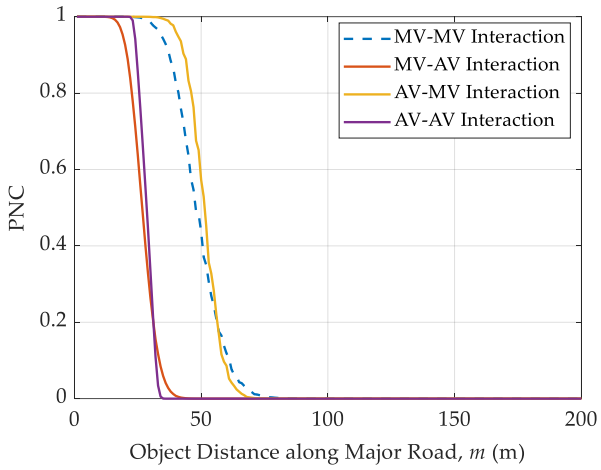



**(d) Left Turn RHS SDT**

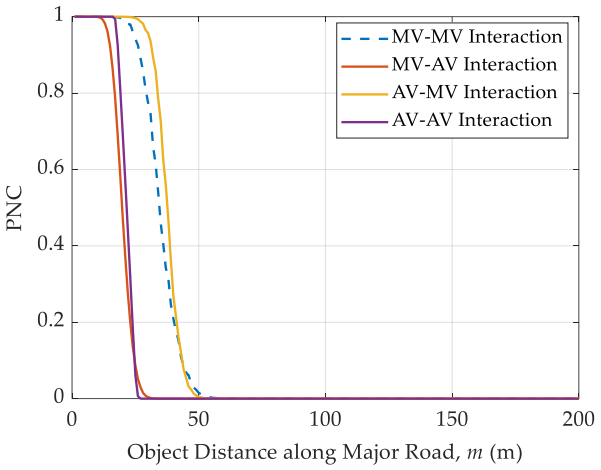



**(e) Right Turn LHS SDT**

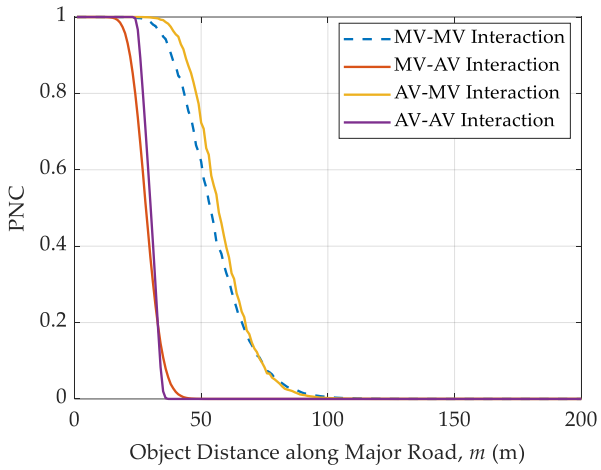
**Figure S17:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 80 km/hr. and $n$ = 2)



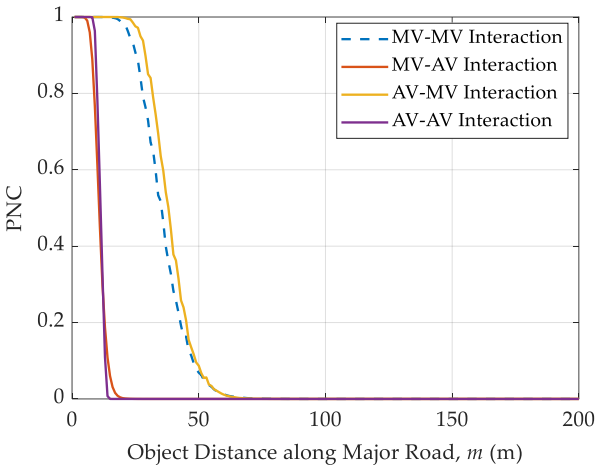

**(a) Crossing LHS SDT**



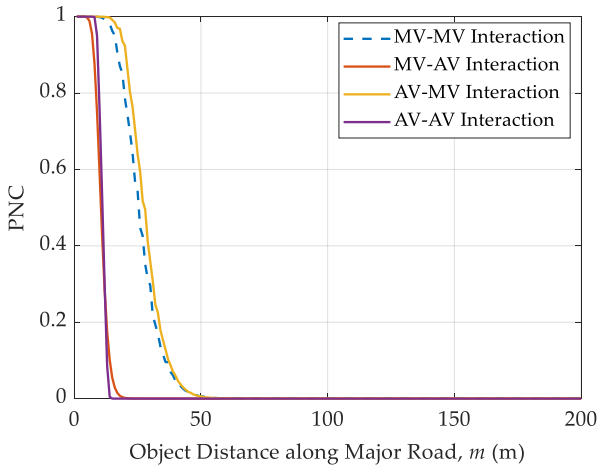

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

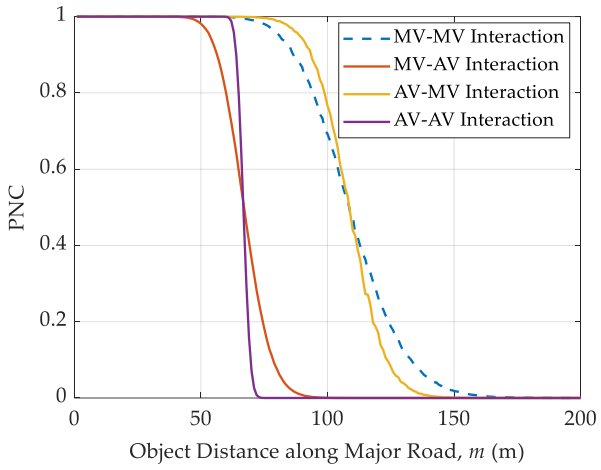



**(d) Left Turn RHS SDT**

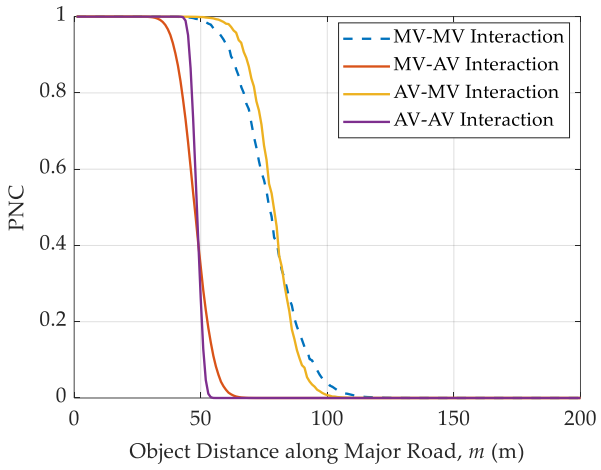



**(e) Right Turn LHS SDT**

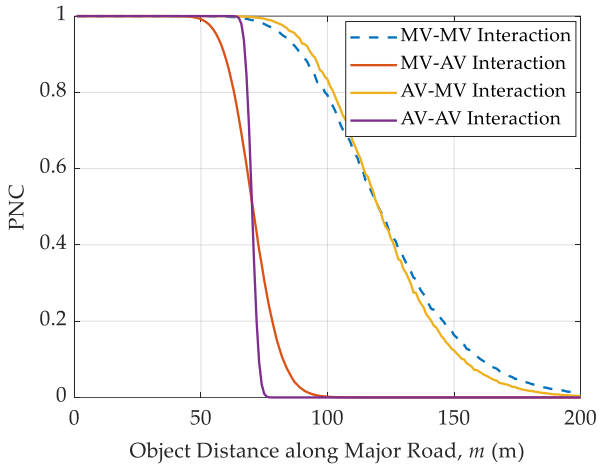
**Figure S18:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 80 km/hr. and $n$ = 3)



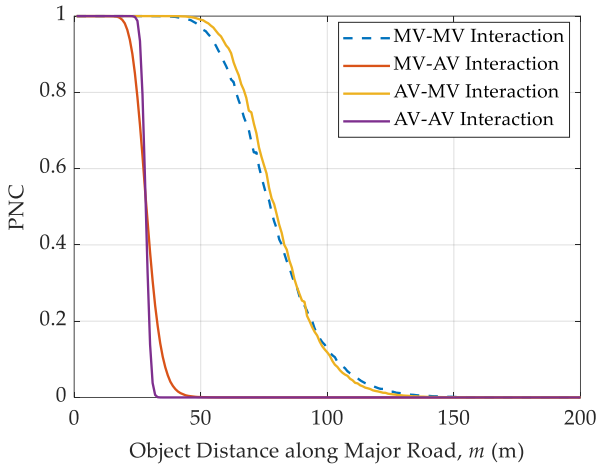

**(a) Crossing LHS SDT**



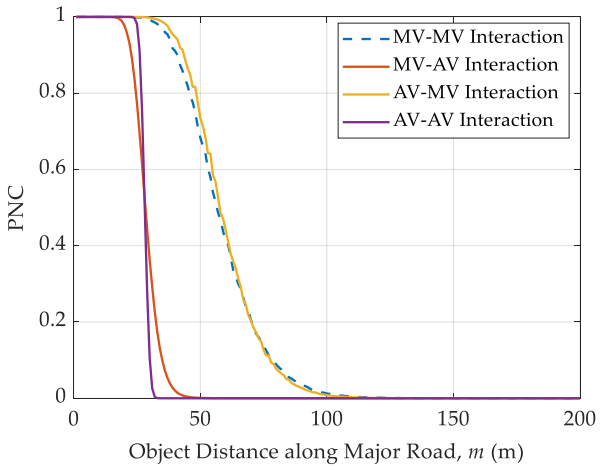

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

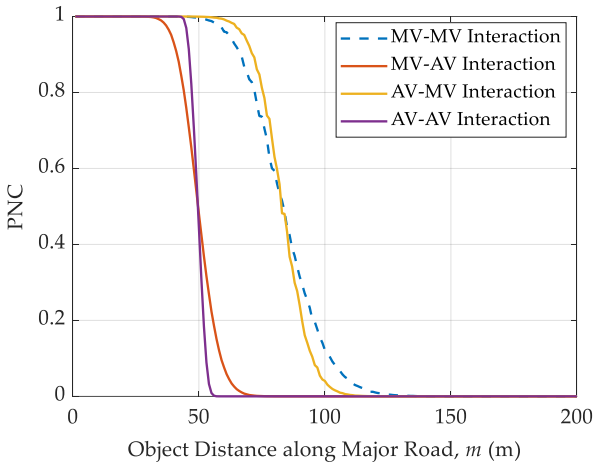



**(d) Left Turn RHS SDT**

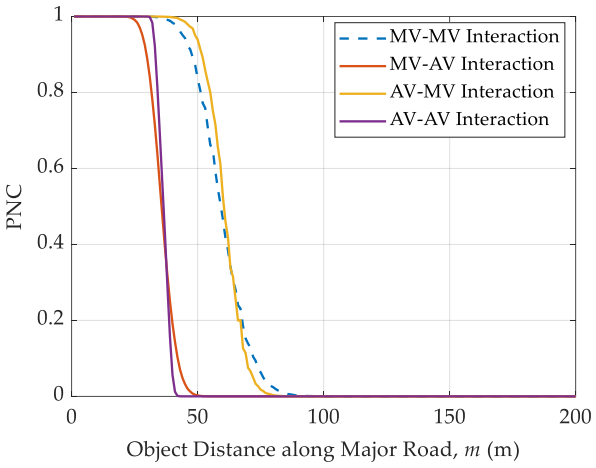



**(e) Right Turn LHS SDT**

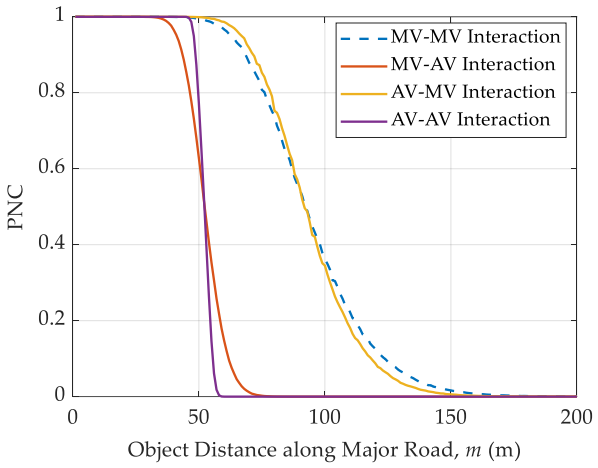
**Figure S19**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 90 km/hr. and $n$ = 1)



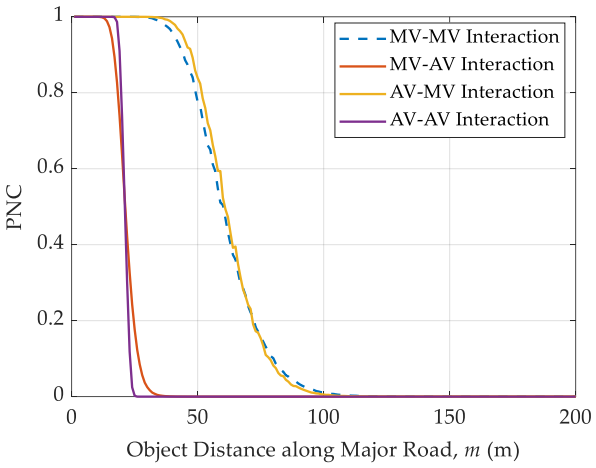

**(a) Crossing LHS SDT**



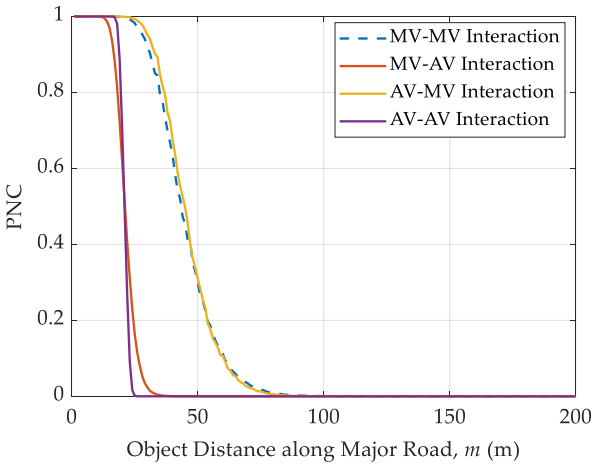

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

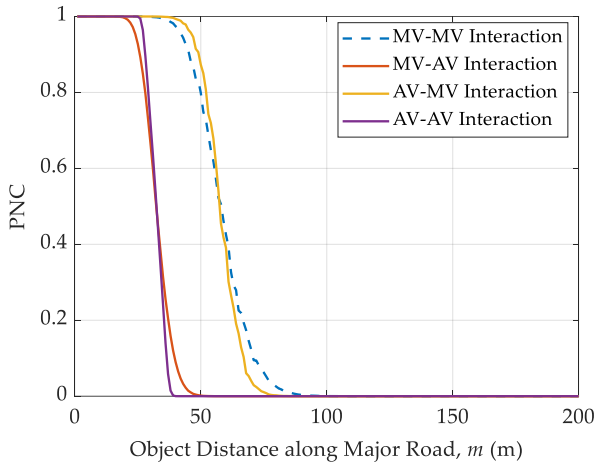



**(d) Left Turn RHS SDT**

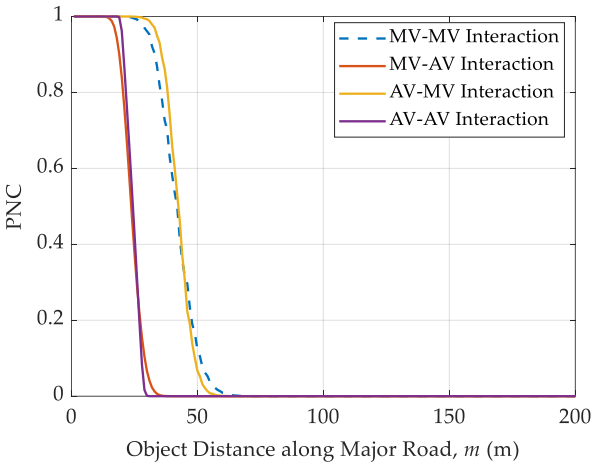



**(e) Right Turn LHS SDT**

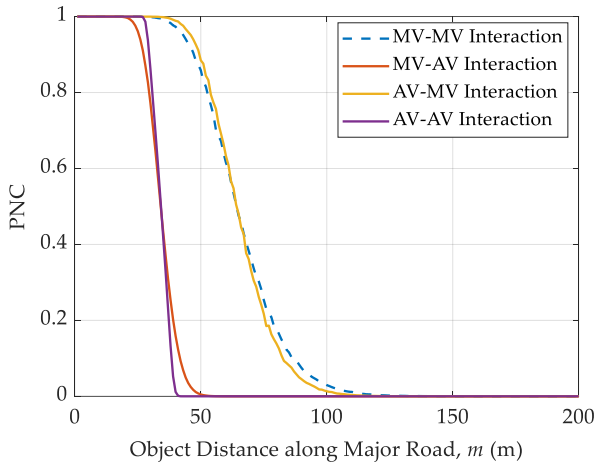
**Figure S20**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 90 km/hr. and $n$ = 2)



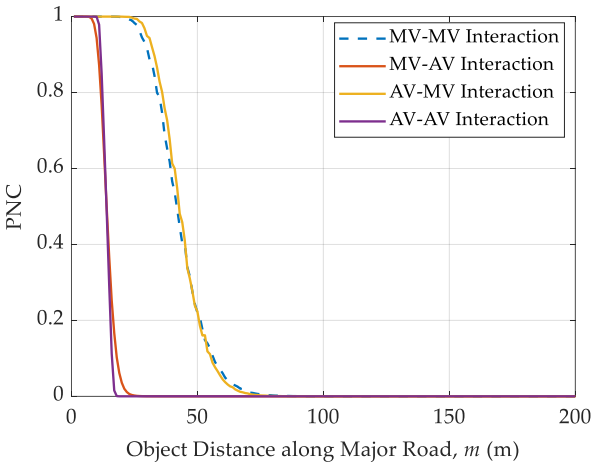

**(a) Crossing LHS SDT**



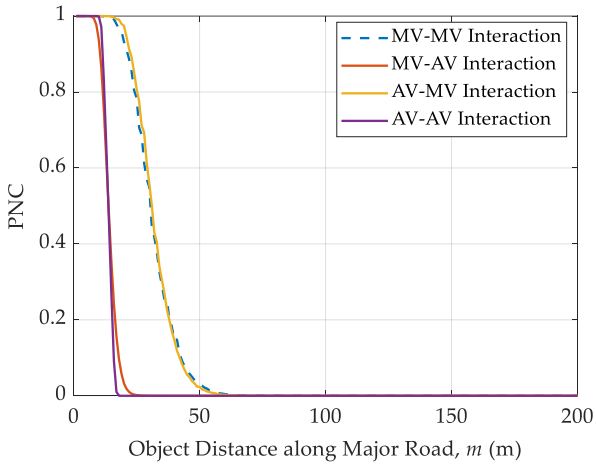

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

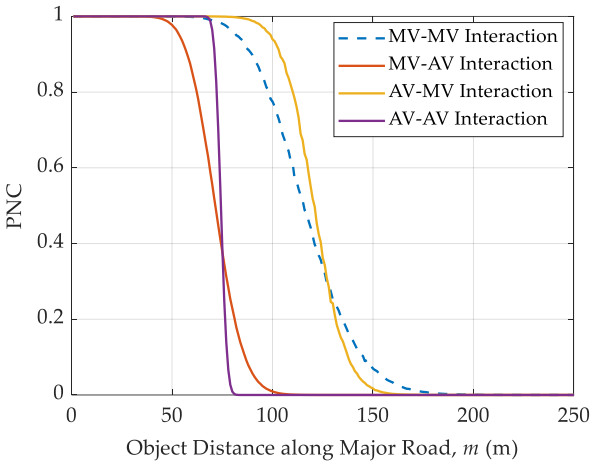



**(d) Left Turn RHS SDT**

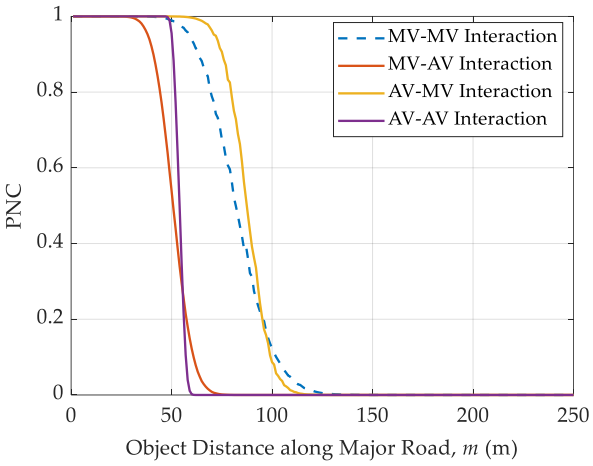



**(e) Right Turn LHS SDT**

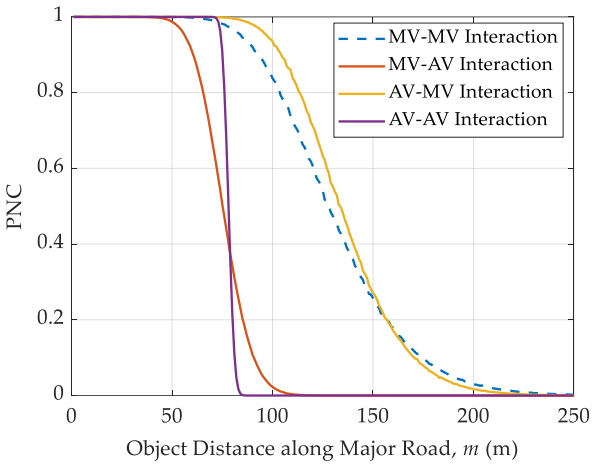
**Figure S21:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 90 km/hr. and $n$ = 3)



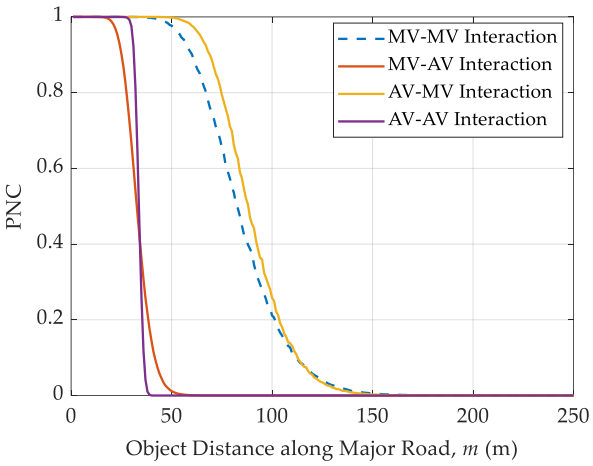

**(a) Crossing LHS SDT**



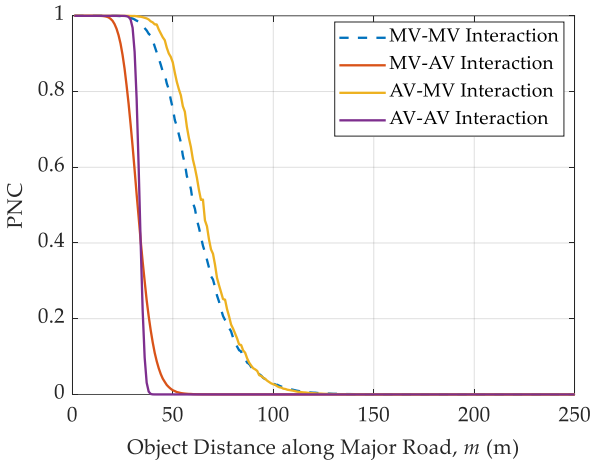

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

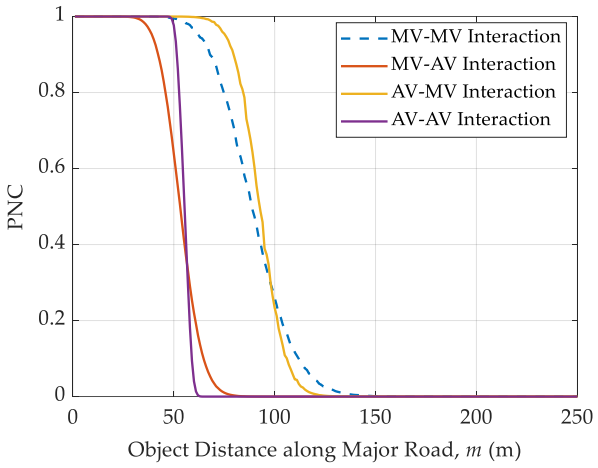



**(d) Left Turn RHS SDT**

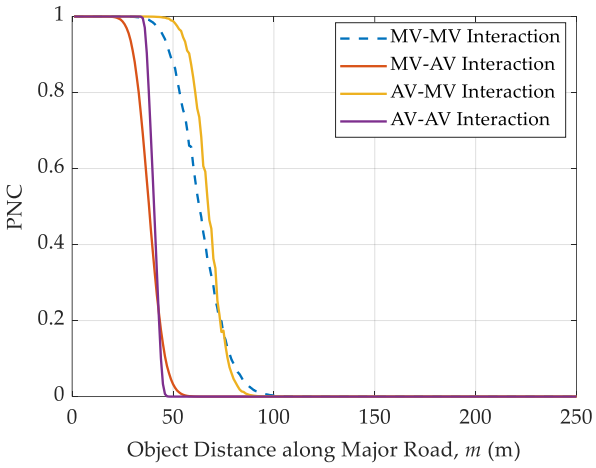



**(e) Right Turn LHS SDT**

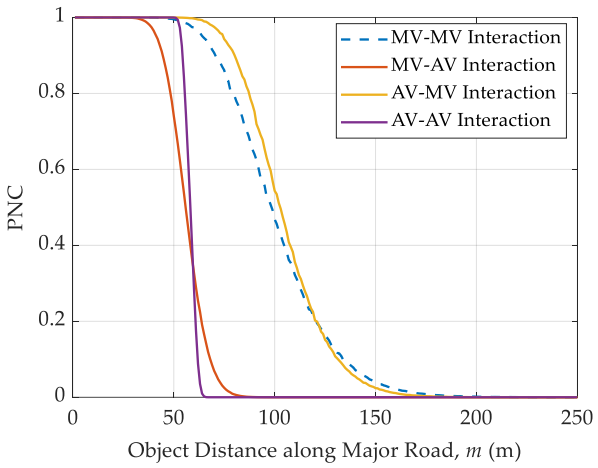
**Figure S22:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 100 km/hr. and $n$ = 1)



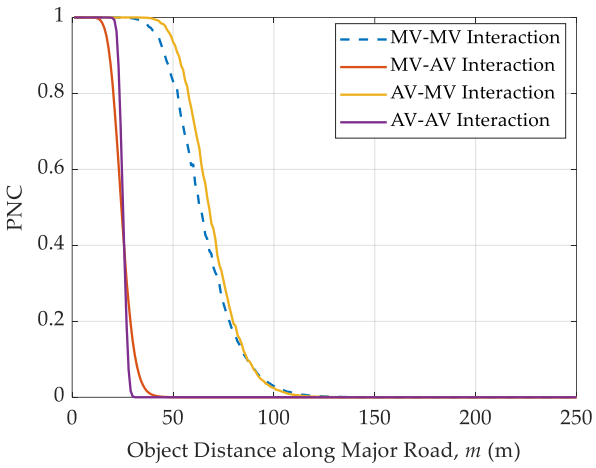

**(a) Crossing LHS SDT**



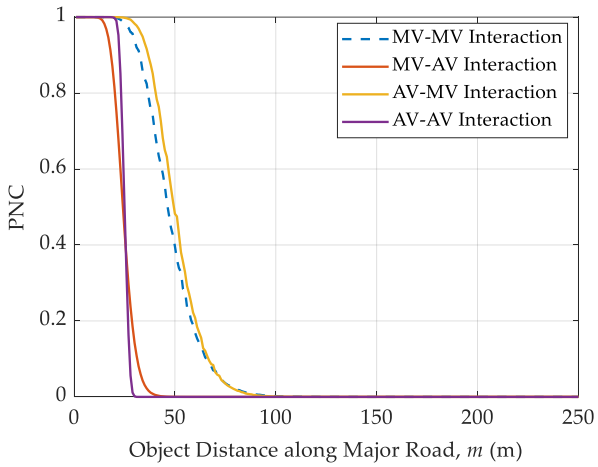

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

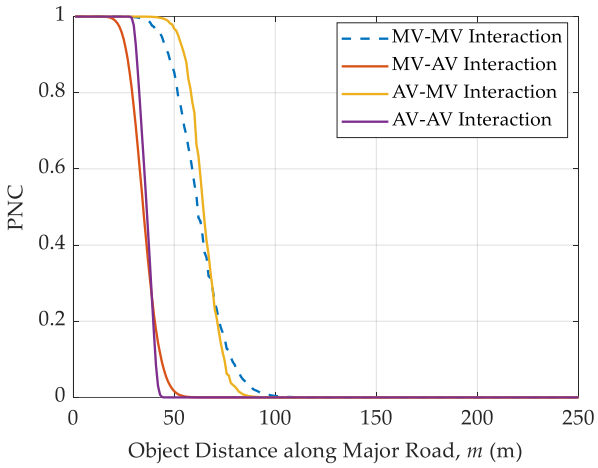



**(d) Left Turn RHS SDT**

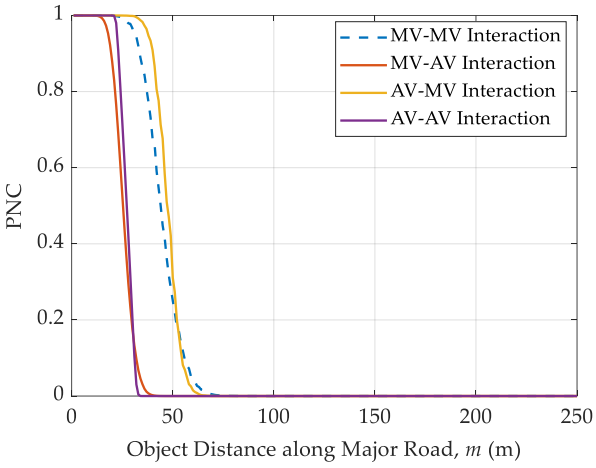



**(e) Right Turn LHS SDT**

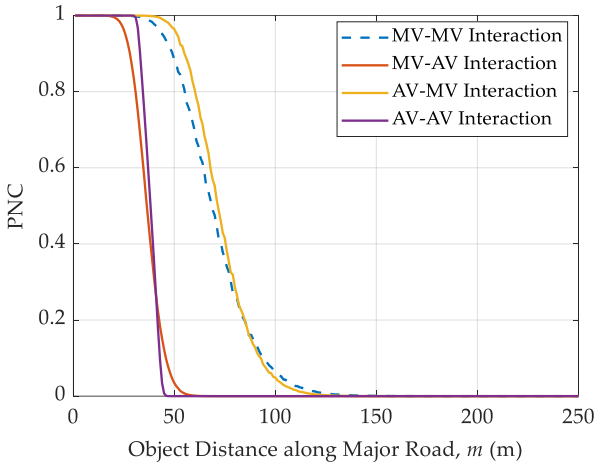
**Figure S23**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 100 km/hr. and $n$ = 2)



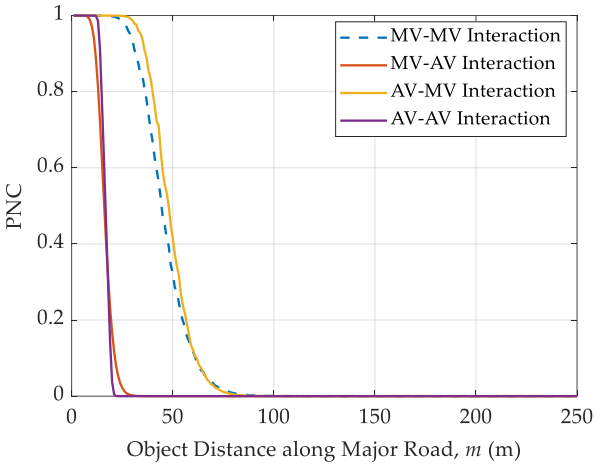

**(a) Crossing LHS SDT**



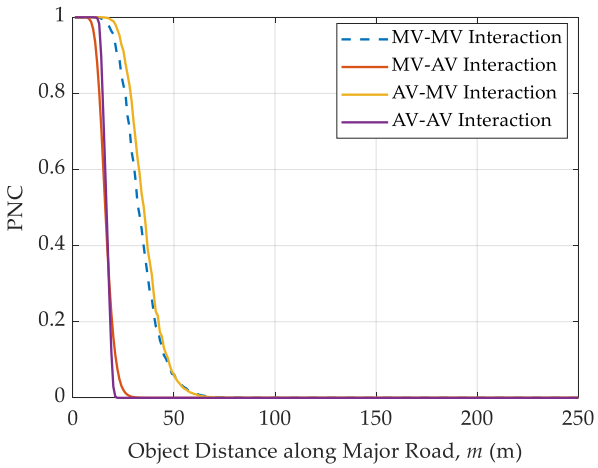

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

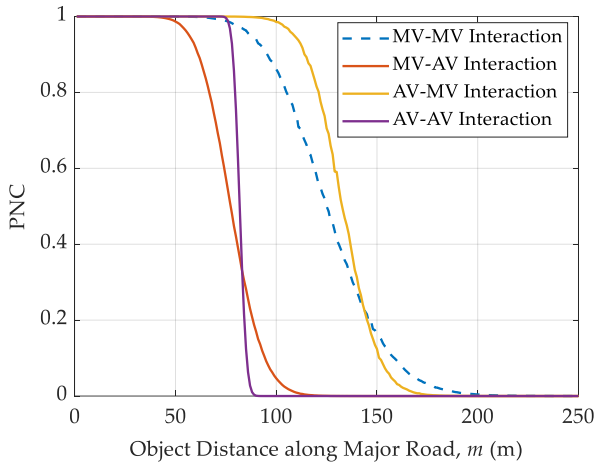



**(d) Left Turn RHS SDT**

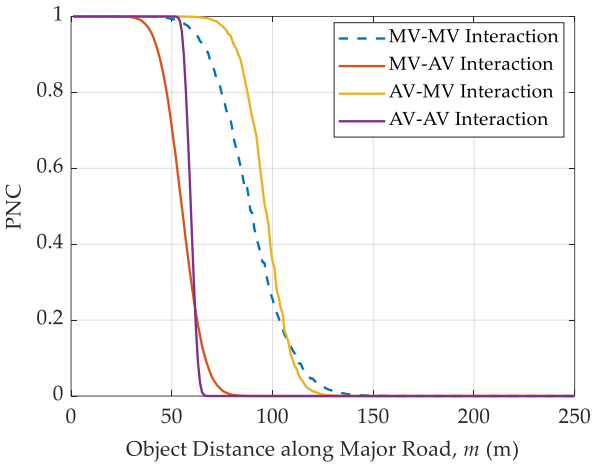



**(e) Right Turn LHS SDT**

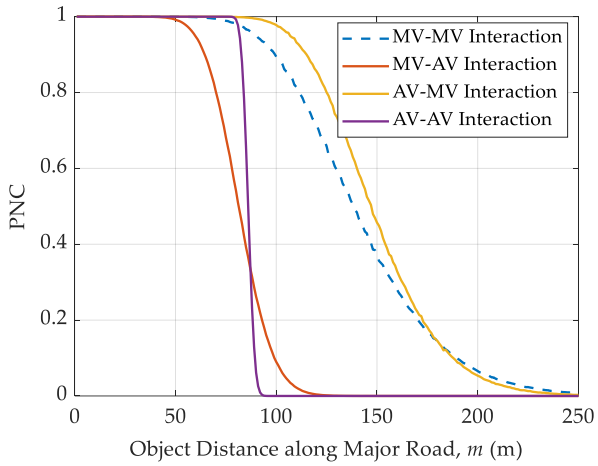
**Figure S24**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 100 km/hr. and $n$ = 3)



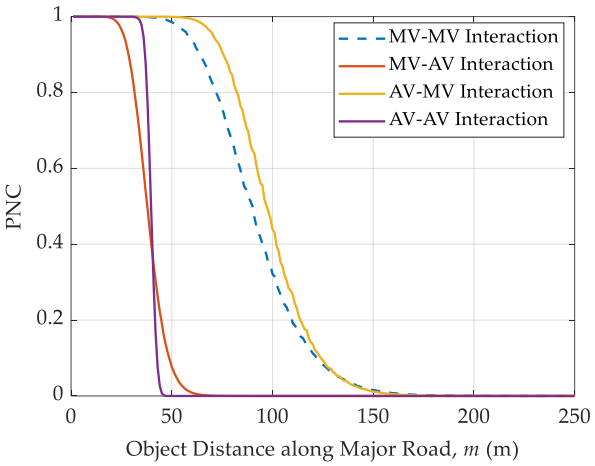

**(a) Crossing LHS SDT**



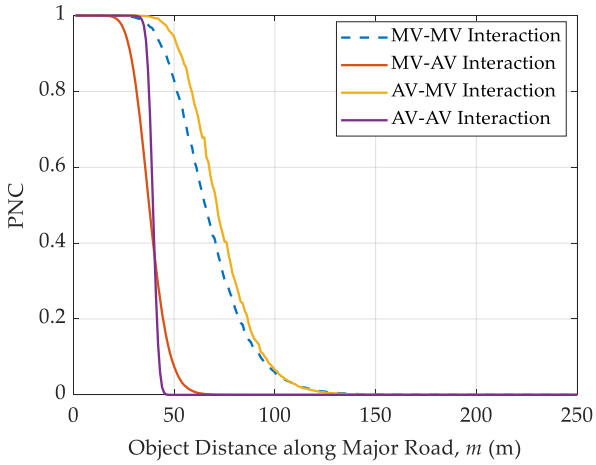

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

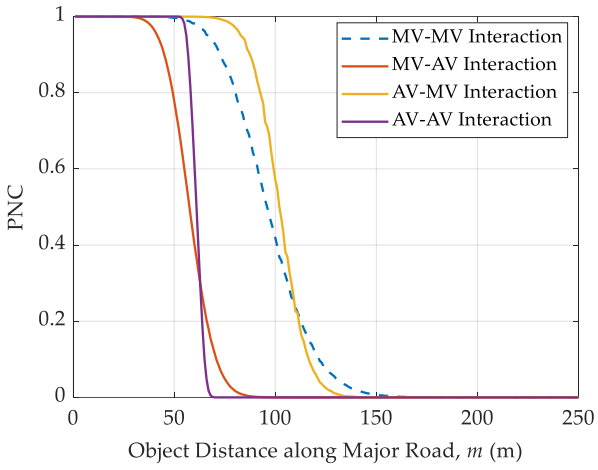



**(d) Left Turn RHS SDT**

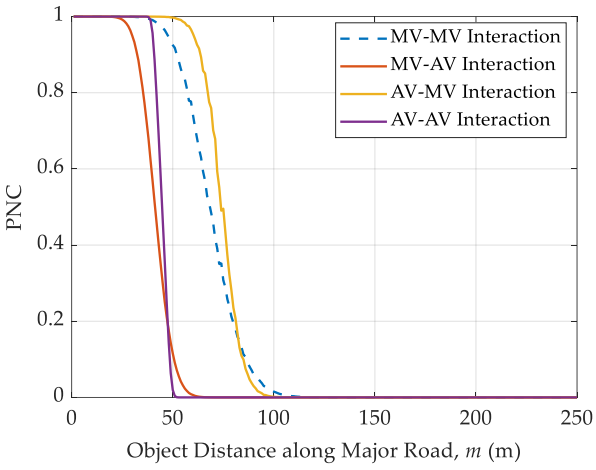



**(e) Right Turn LHS SDT**

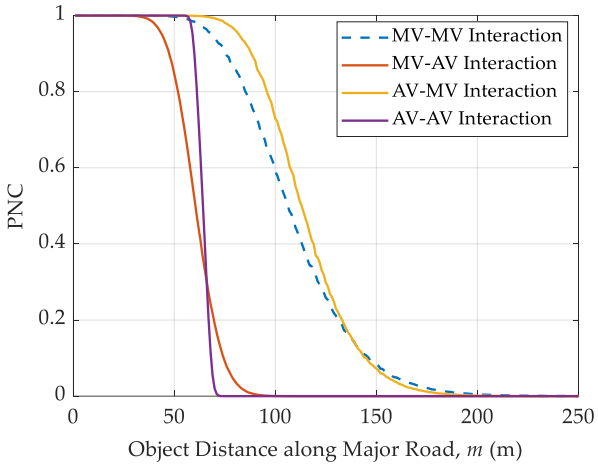
**Figure S25**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 110 km/hr. and $n$ = 1)



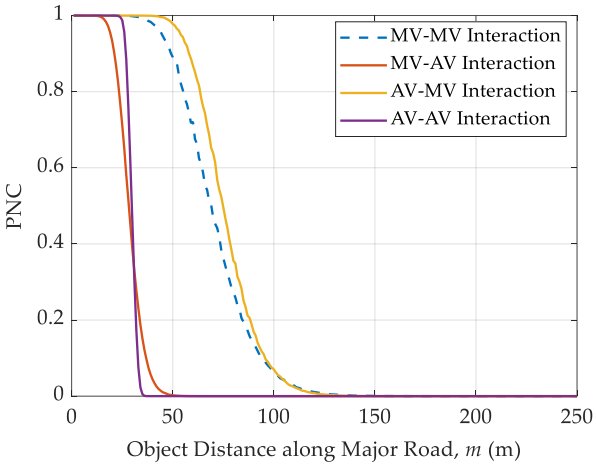

**(a) Crossing LHS SDT**



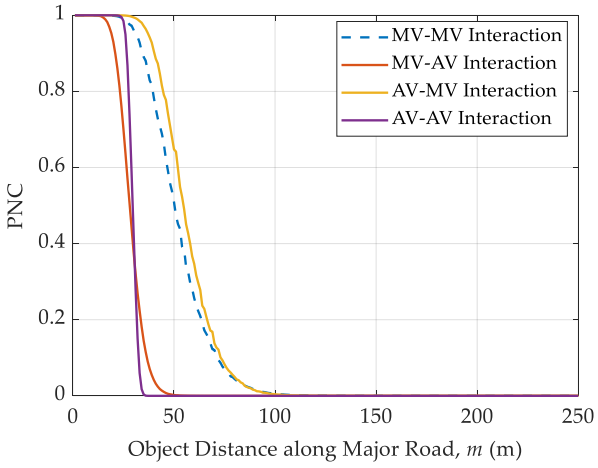

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

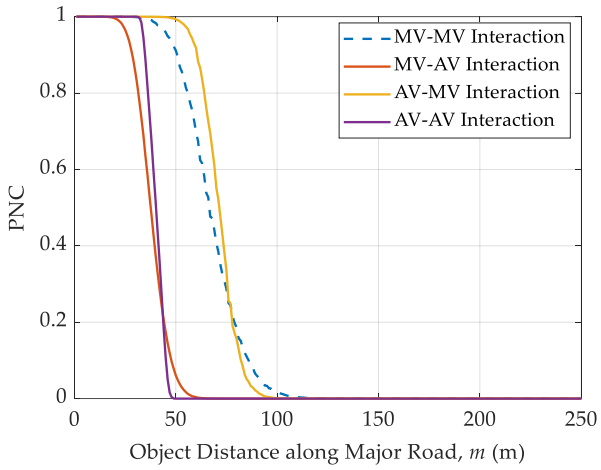



**(d) Left Turn RHS SDT**

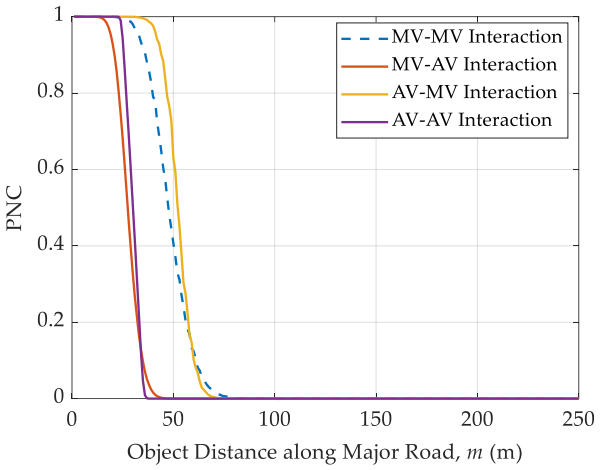



**(e) Right Turn LHS SDT**

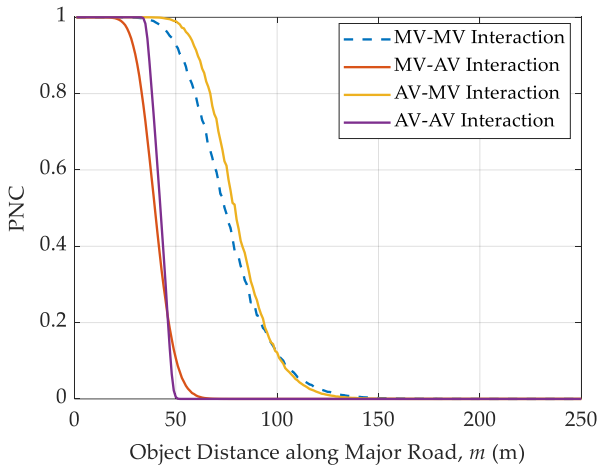
**Figure S26:** PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 110 km/hr. and $n$ = 2)



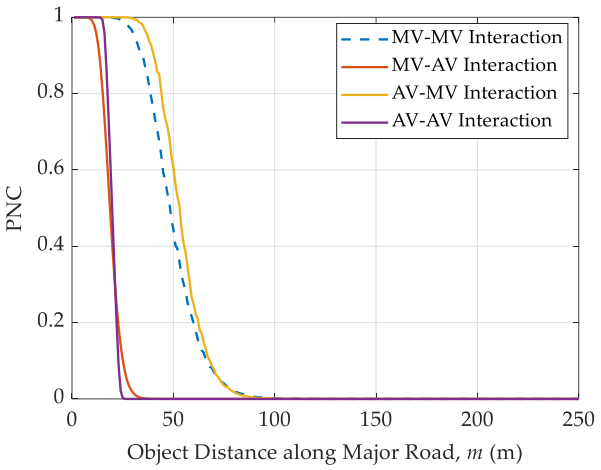

**(a) Crossing LHS SDT**



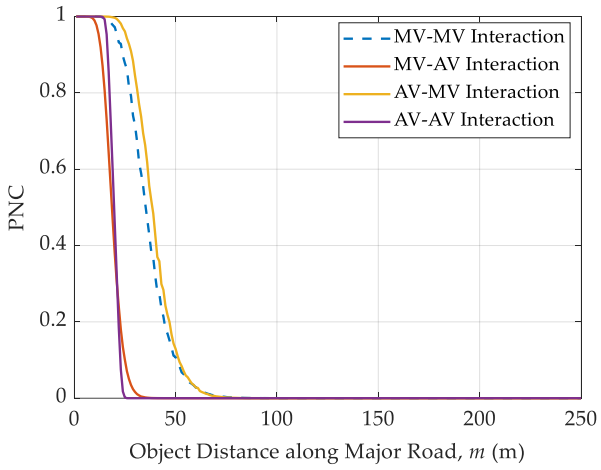

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

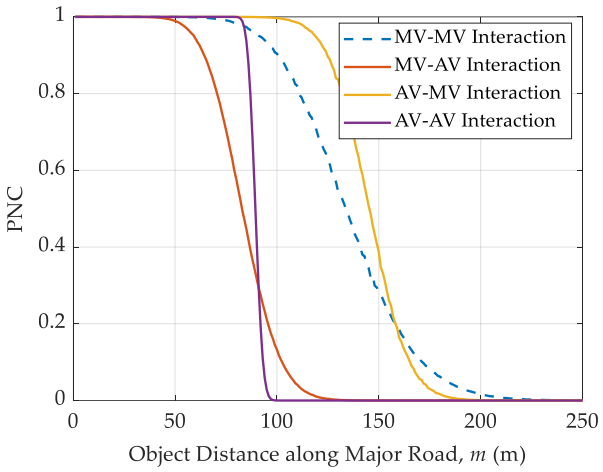



**(d) Left Turn RHS SDT**

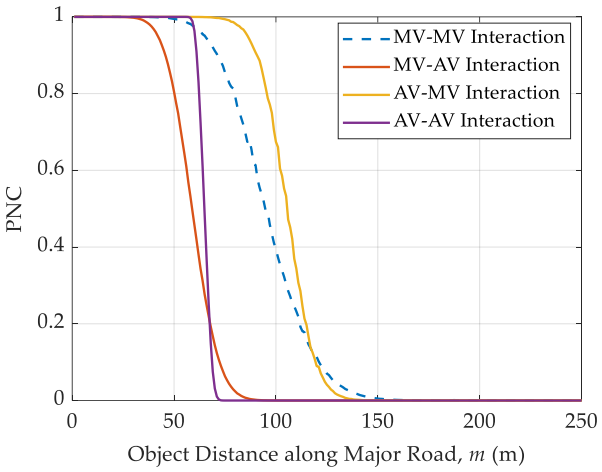



**(e) Right Turn LHS SDT**

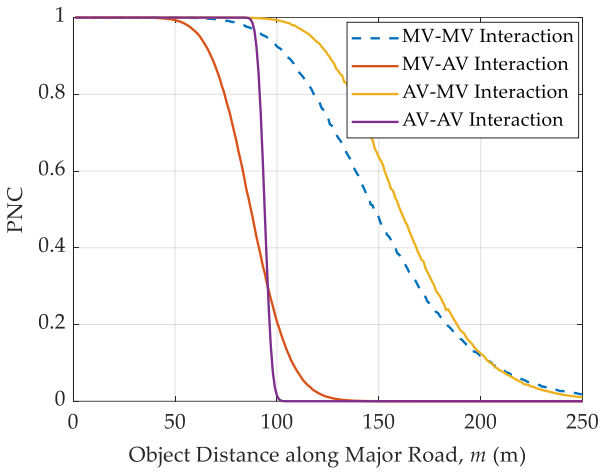
**Figure S27**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 110 km/hr. and $n$ = 3)



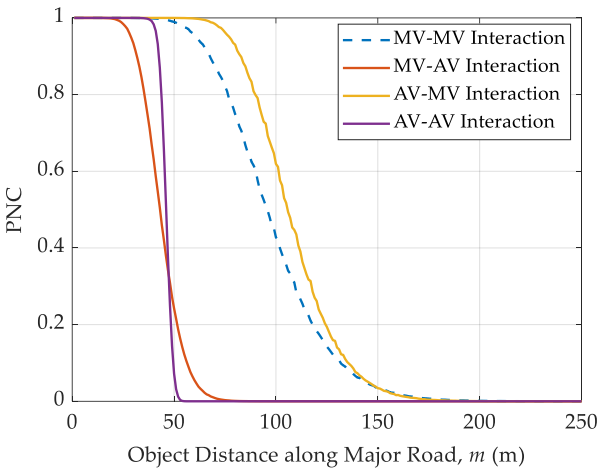

**(a) Crossing LHS SDT**



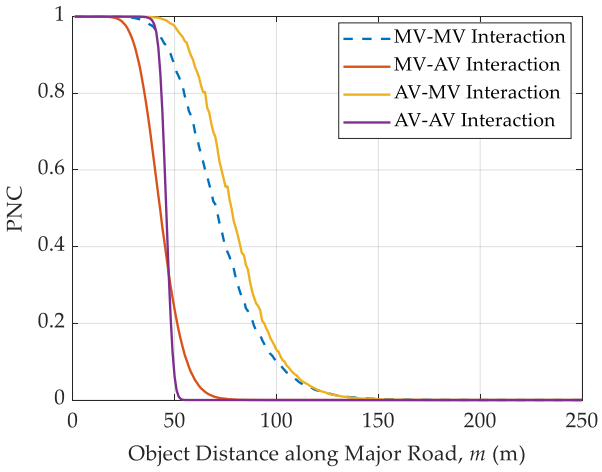

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

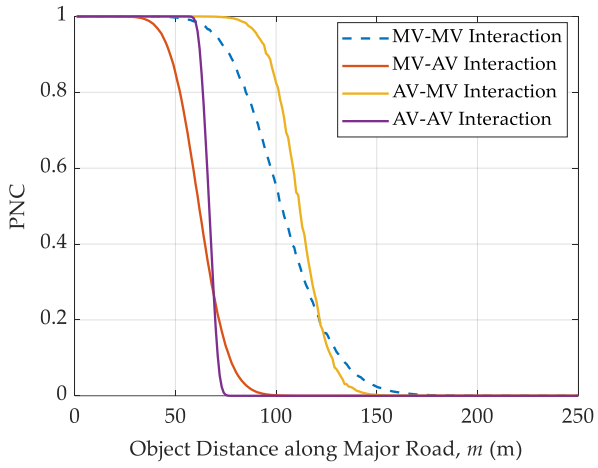



**(d) Left Turn RHS SDT**

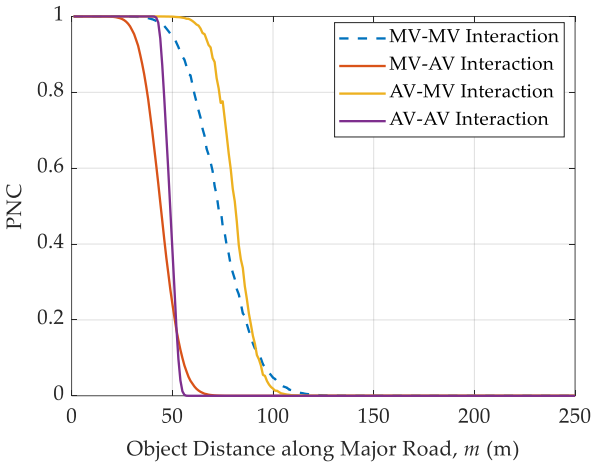



**(e) Right Turn LHS SDT**

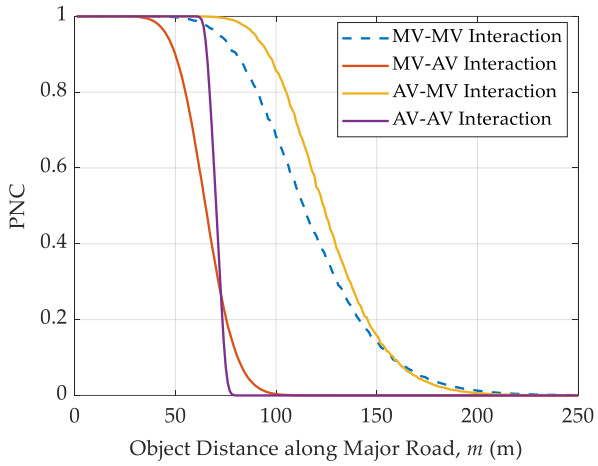
**Figure S28**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 120 km/hr. and $n$ = 1)



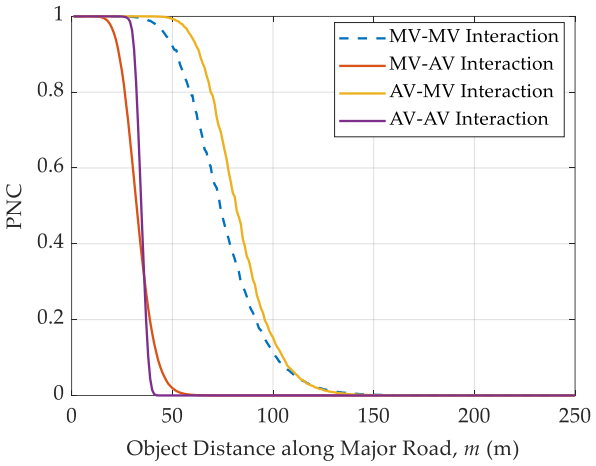

**(a) Crossing LHS SDT**



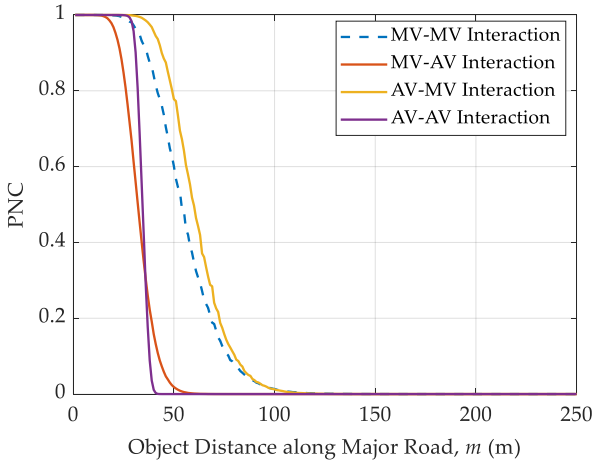

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

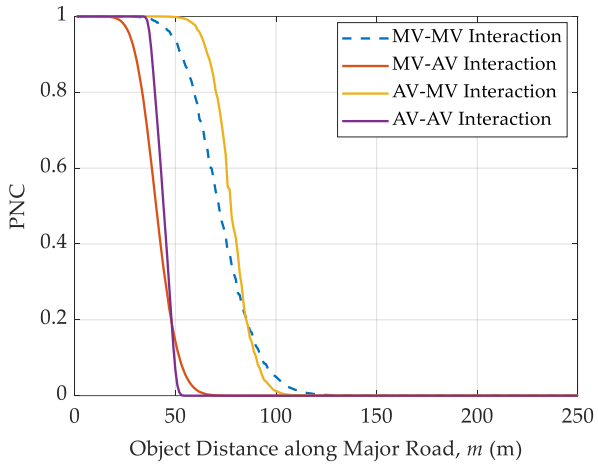



**(d) Left Turn RHS SDT**

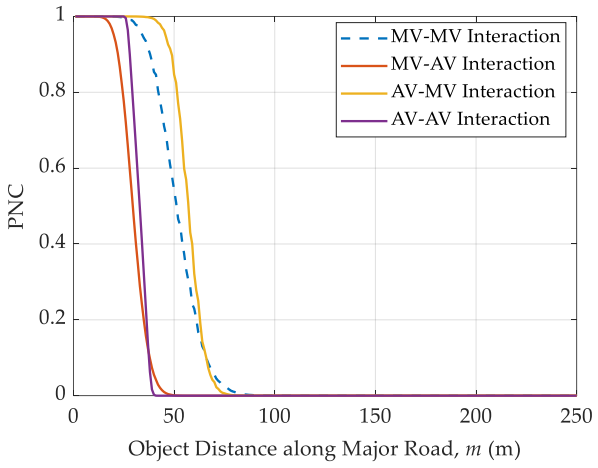



**(e) Right Turn LHS SDT**

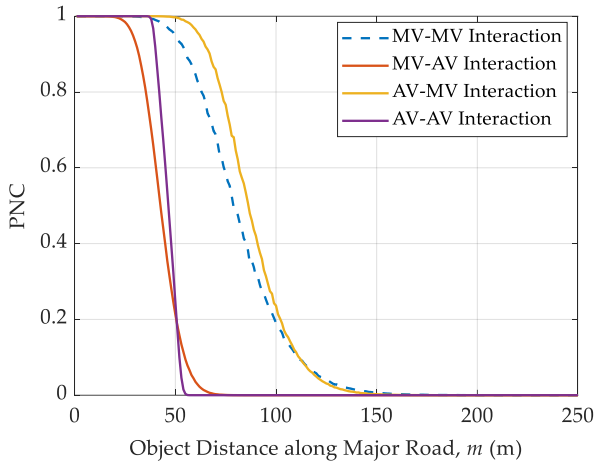
**Figure S29**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 120 km/hr. and $n$ = 2)



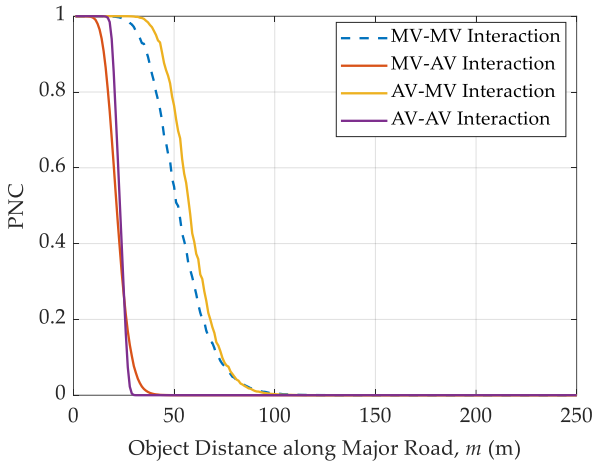

**(a) Crossing LHS SDT**



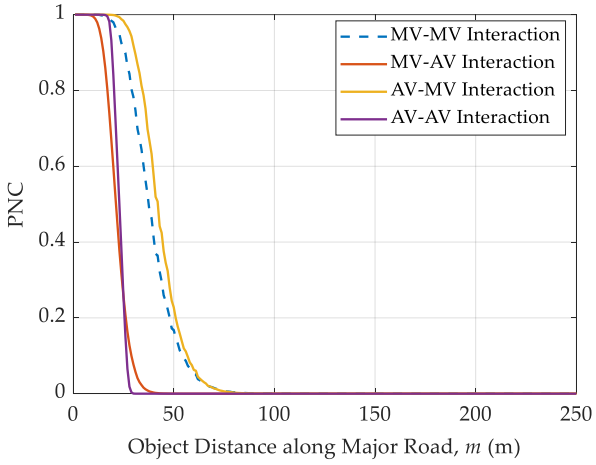

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

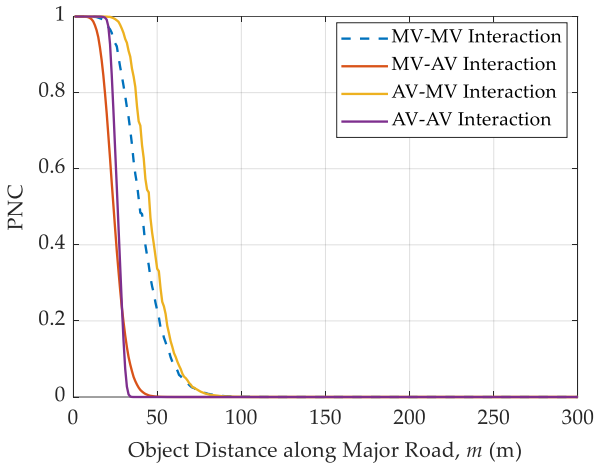



**(d) Left Turn RHS SDT**

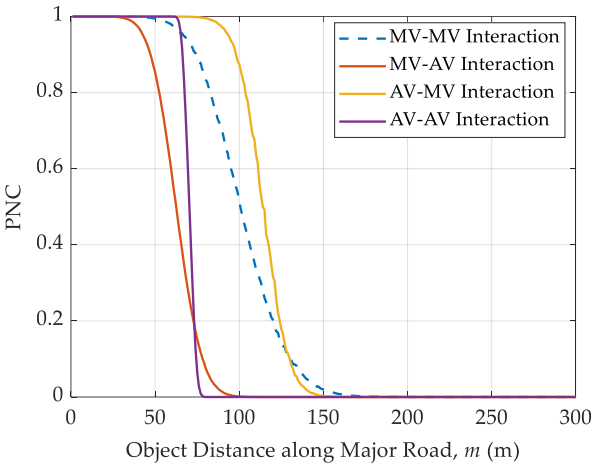



**(e) Right Turn LHS SDT**

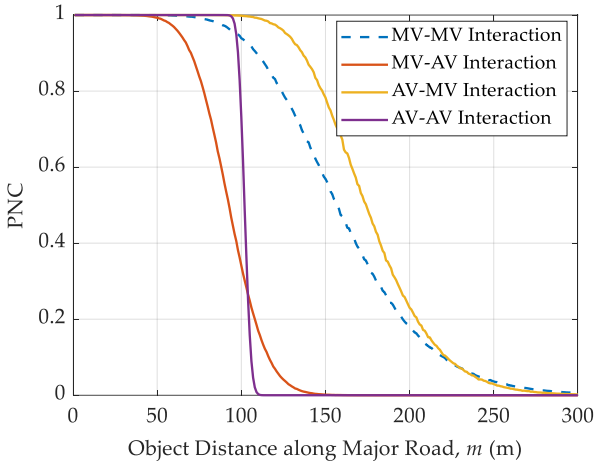
**Figure S30**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 120 km/hr. and $n$ = 3)



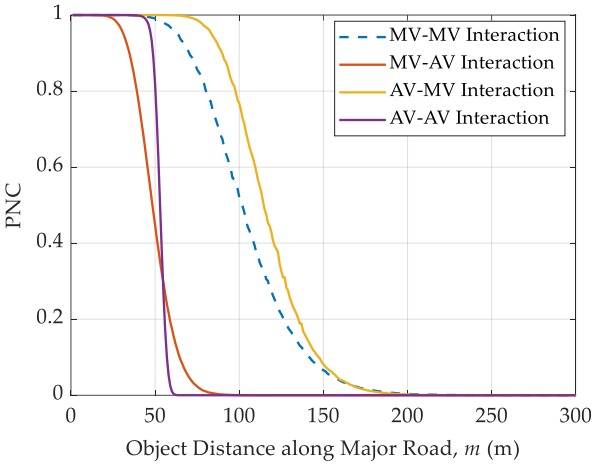

**(a) Crossing LHS SDT**



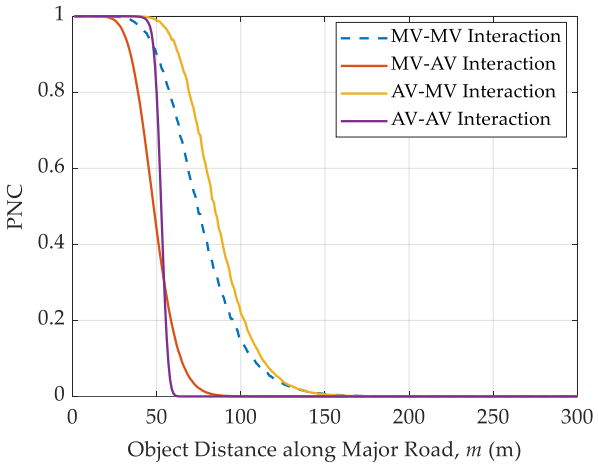

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

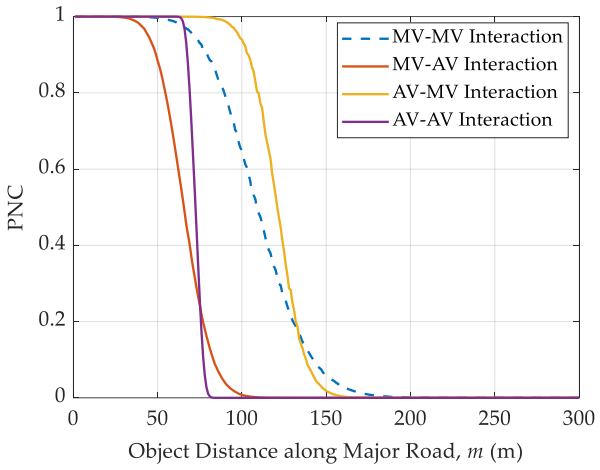



**(d) Left Turn RHS SDT**

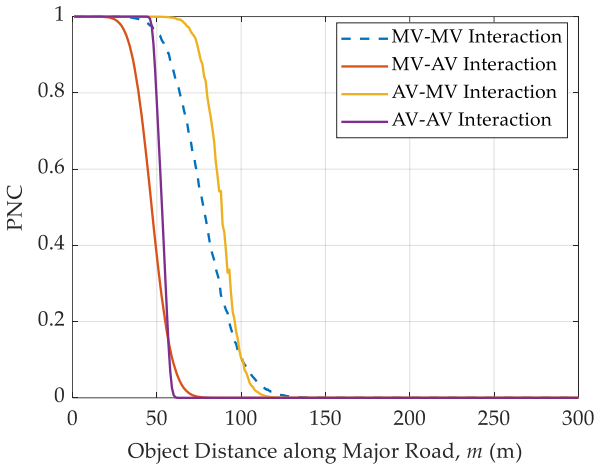



**(e) Right Turn LHS SDT**

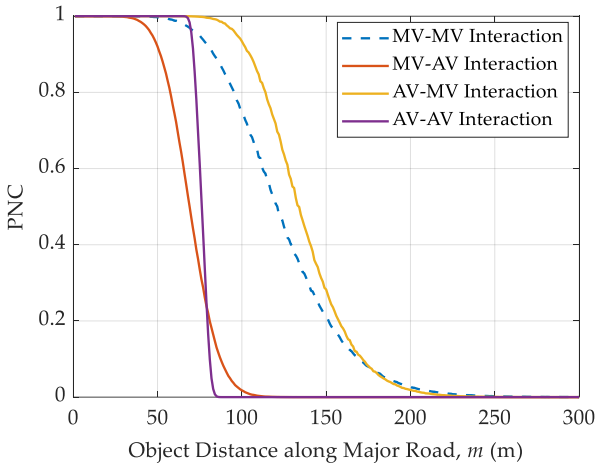
**Figure S31**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 130 km/hr. and $n$ = 1)



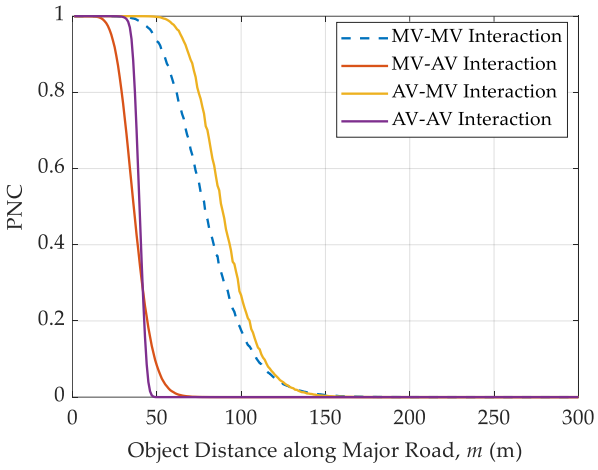

**(a) Crossing LHS SDT**



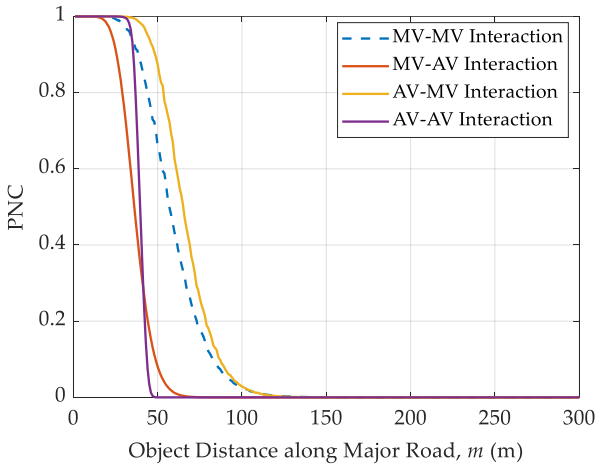

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

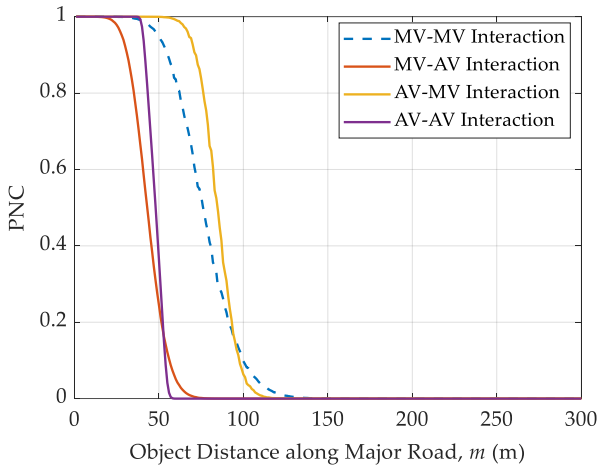



**(d) Left Turn RHS SDT**

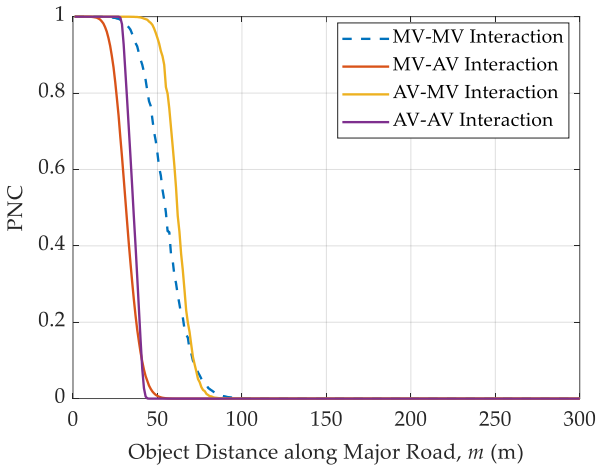



**(e) Right Turn LHS SDT**

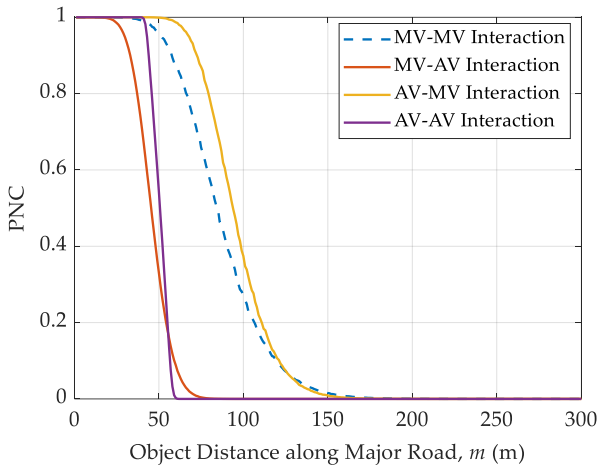
**Figure S32**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 130 km/hr. and $n$ = 2)



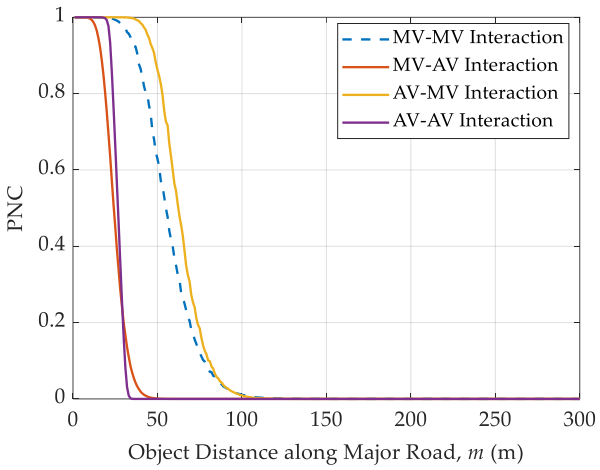

**(a) Crossing LHS SDT**



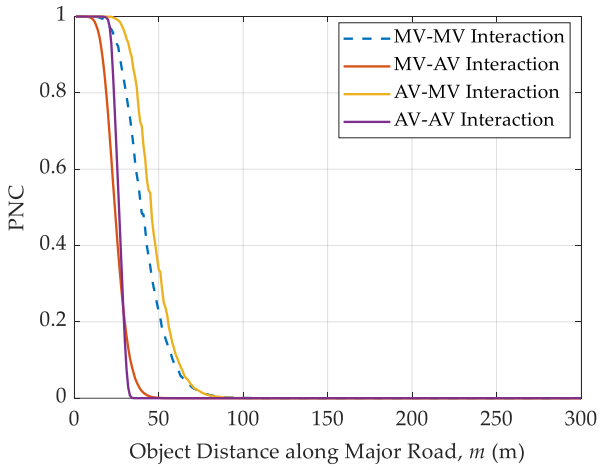

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

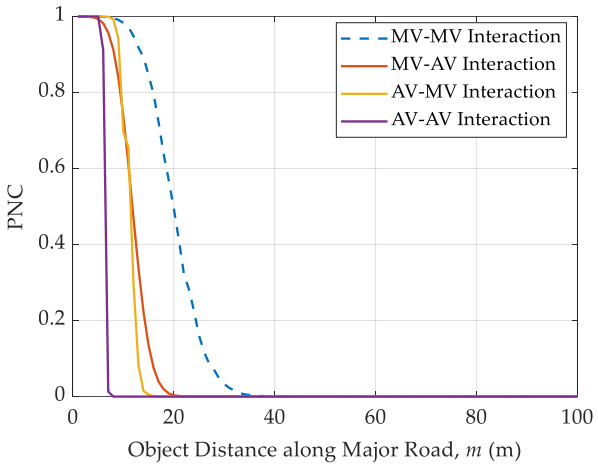



**(d) Left Turn RHS SDT**

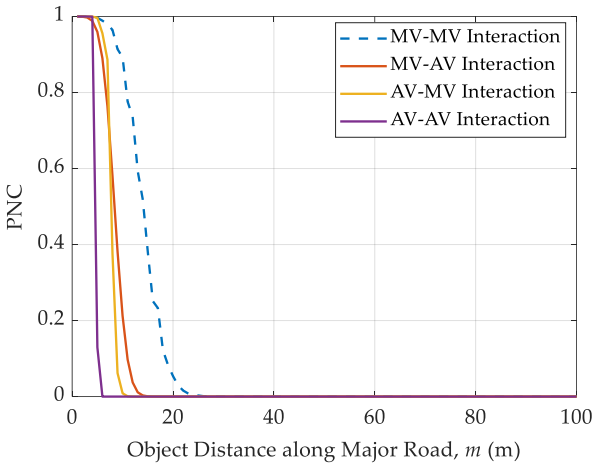



**(e) Right Turn LHS SDT**

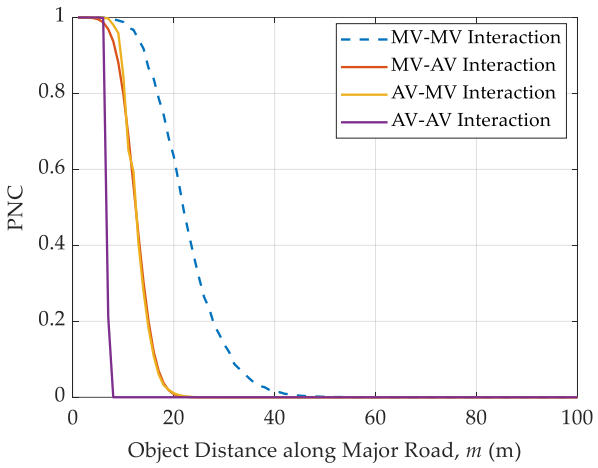
**Figure S33**: PNC for Changing Object Distance along the Major Roadway for SDTs ($v_m$ = 130 km/hr. and $n$ = 3)



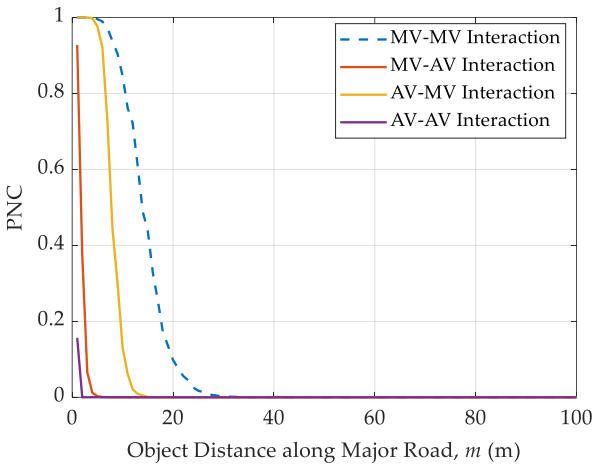

**(a) Crossing LHS SDT**



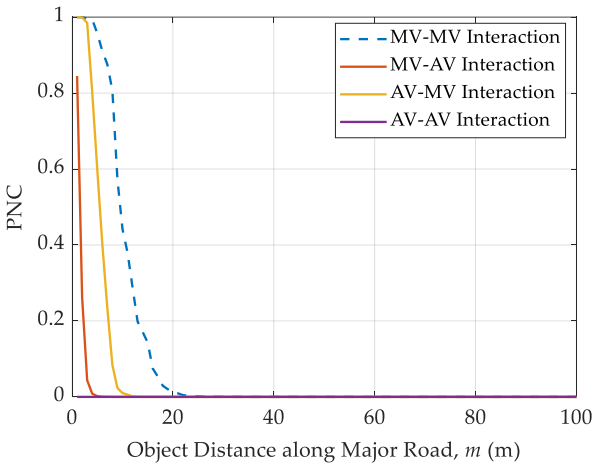

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

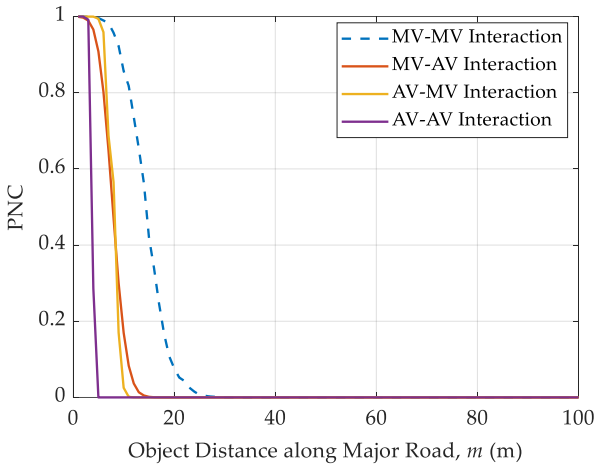



**(d) Left Turn RHS SDT**

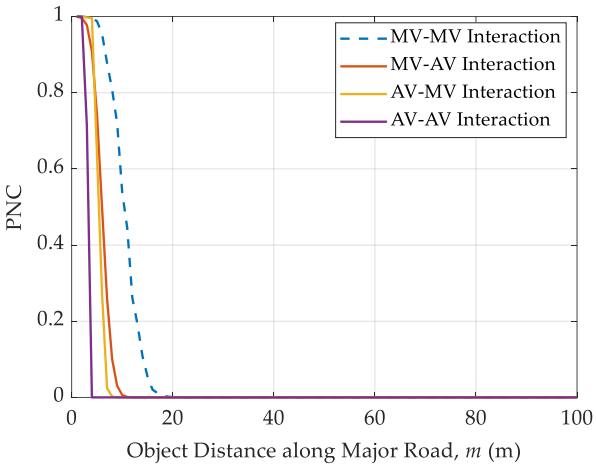



**(e) Right Turn LHS SDT**

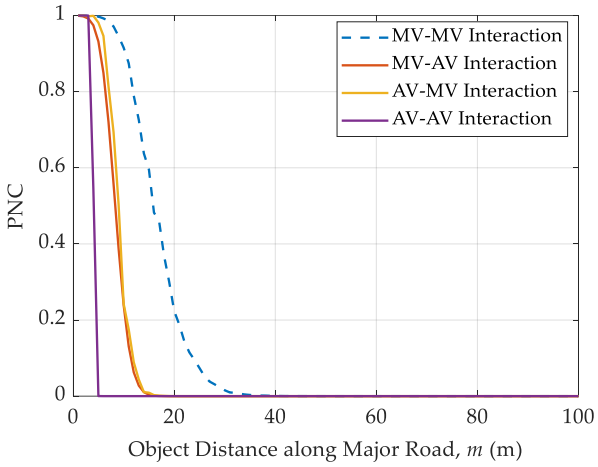
**Figure S34**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 20 km/hr. and $n$ = 1)



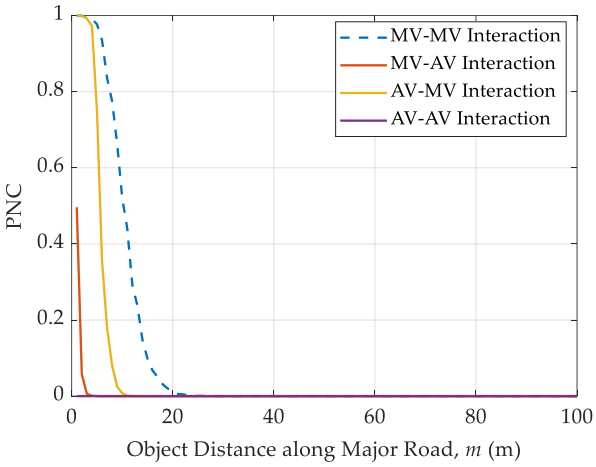

**(a) Crossing LHS SDT**



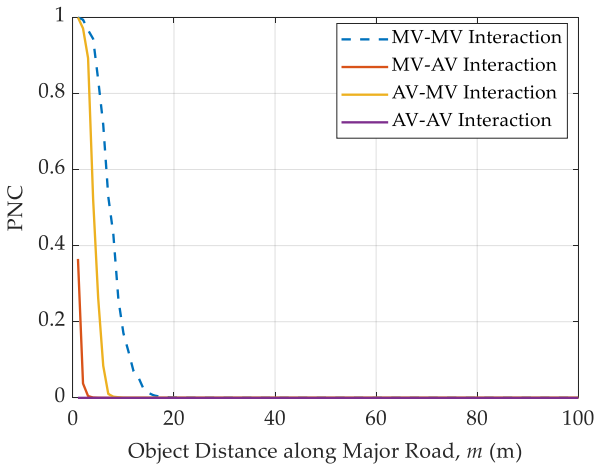

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

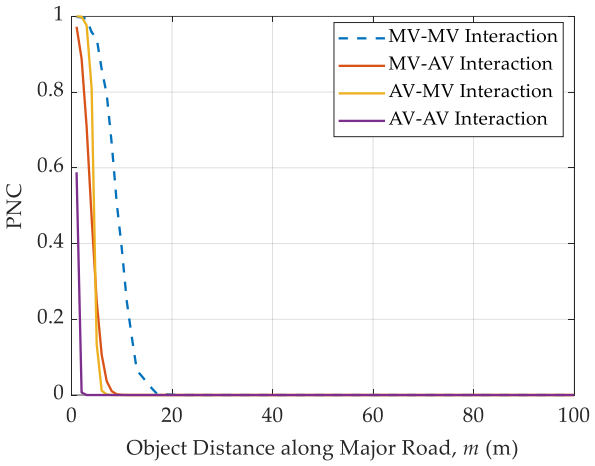



**(d) Left Turn RHS SDT**

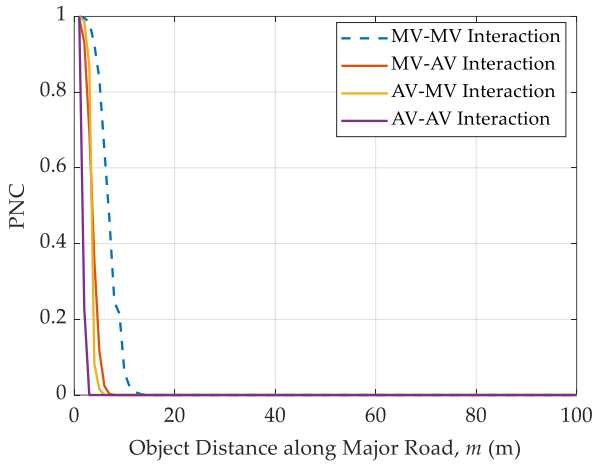



**(e) Right Turn LHS SDT**

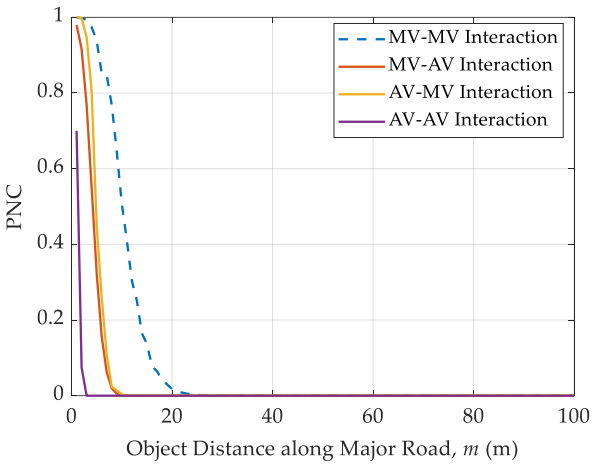
**Figure S35**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 20 km/hr. and $n$ = 2)



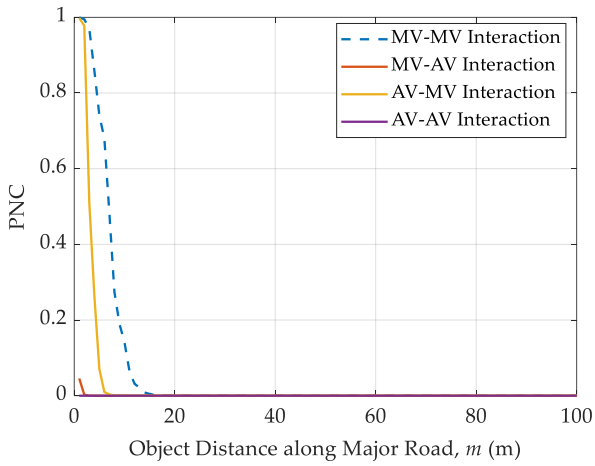

**(a) Crossing LHS SDT**



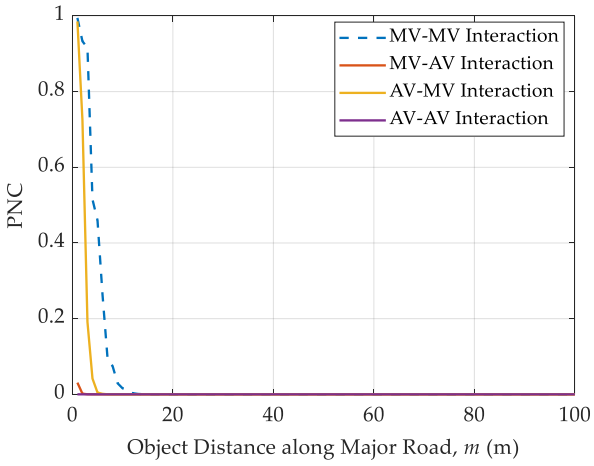

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

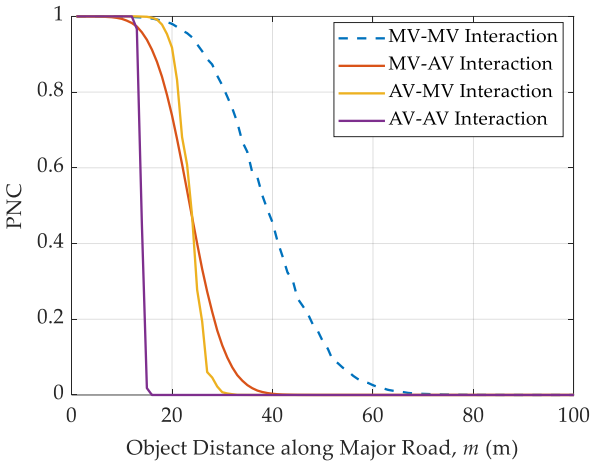



**(d) Left Turn RHS SDT**

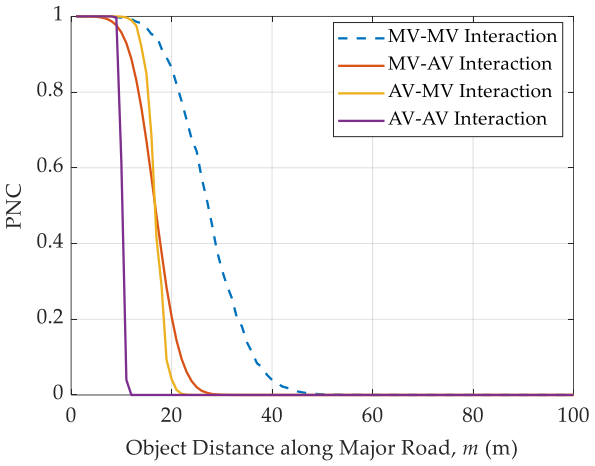



**(e) Right Turn LHS SDT**

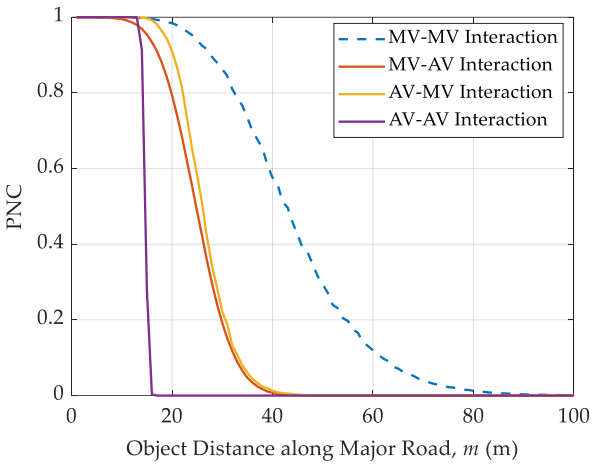
**Figure S36**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 20 km/hr. and $n$ = 3)



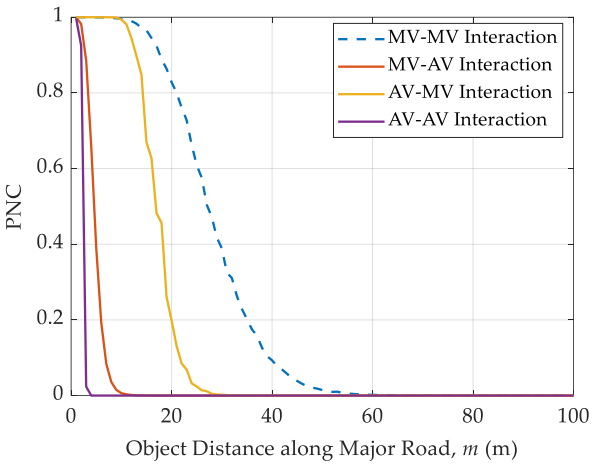

**(a) Crossing LHS SDT**



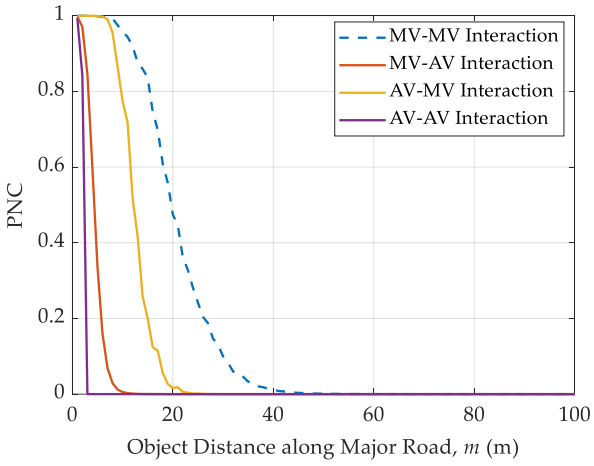

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

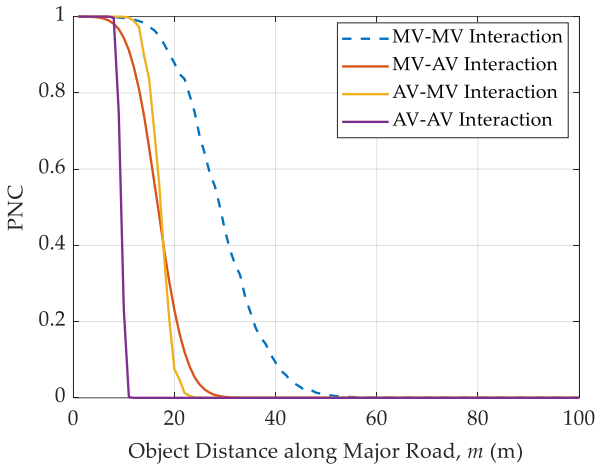



**(d) Left Turn RHS SDT**

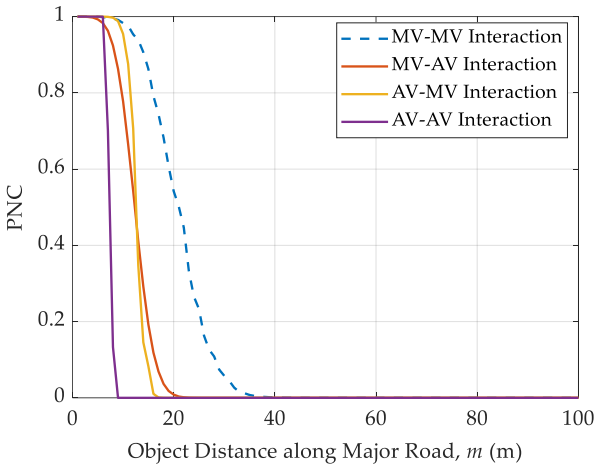



**(e) Right Turn LHS SDT**

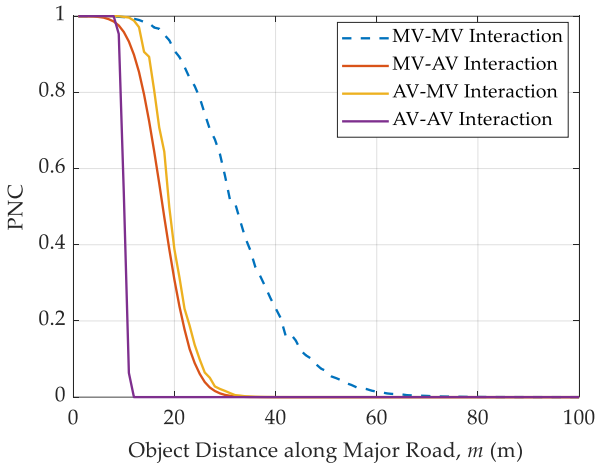
**Figure S37:** Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 30 km/hr. and $n$ = 1)



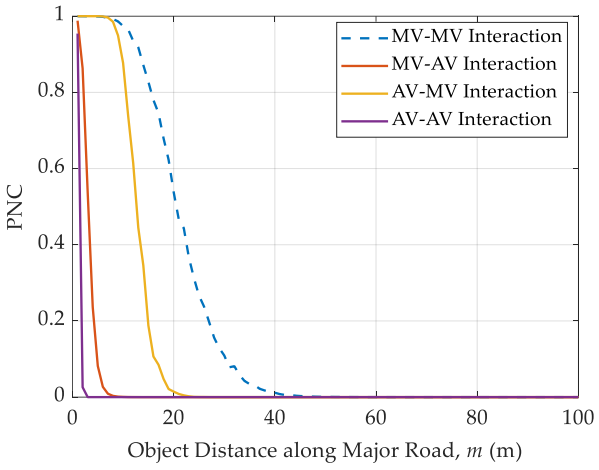

**(a) Crossing LHS SDT**



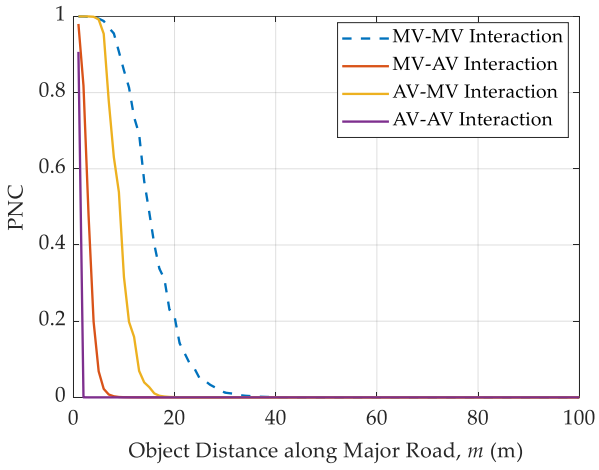

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

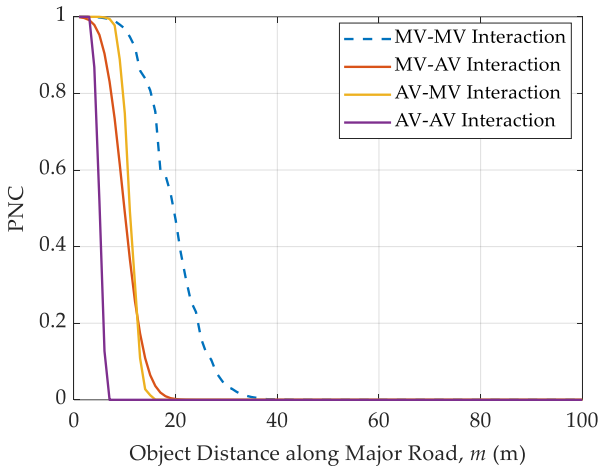



**(d) Left Turn RHS SDT**

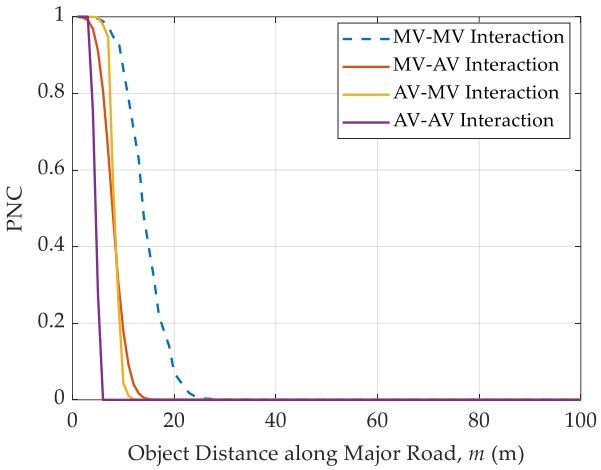



**(e) Right Turn LHS SDT**

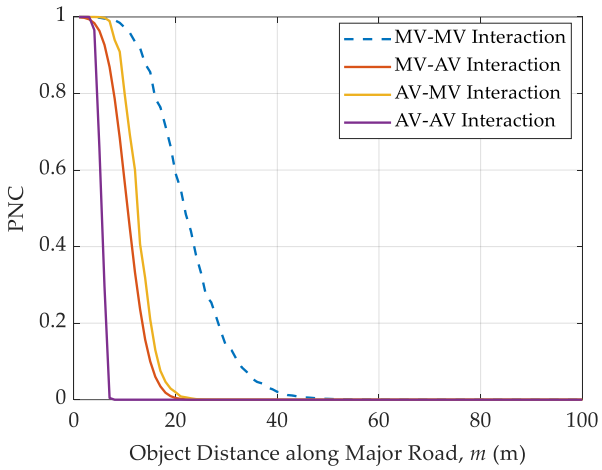
**Figure S38**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 30 km/hr. and $n$ = 2)



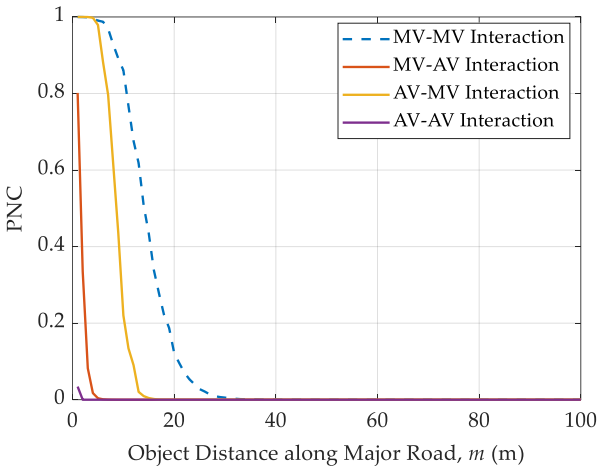

**(a) Crossing LHS SDT**



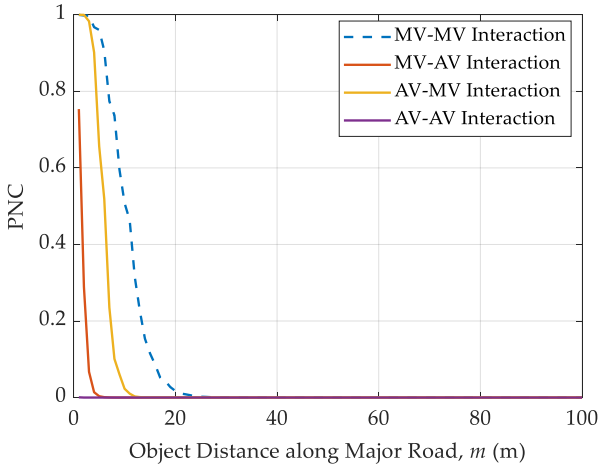

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

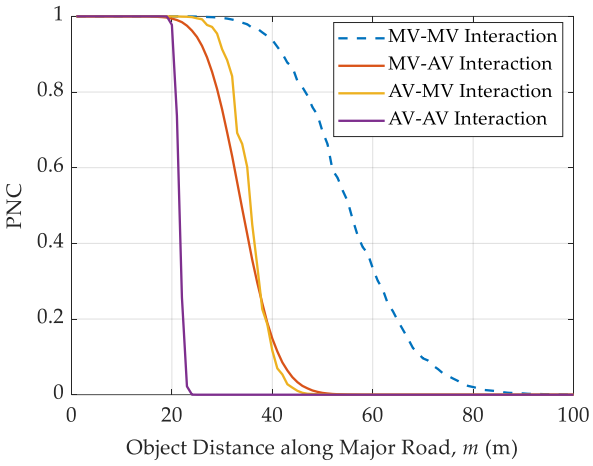



**(d) Left Turn RHS SDT**

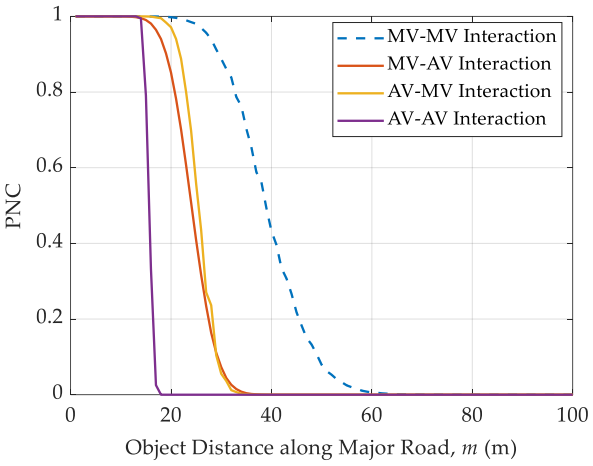



**(e) Right Turn LHS SDT**

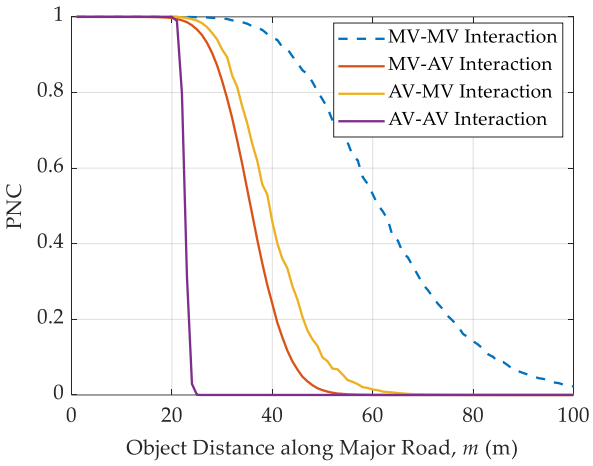
**Figure S39**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 30 km/hr. and $n$ = 3)



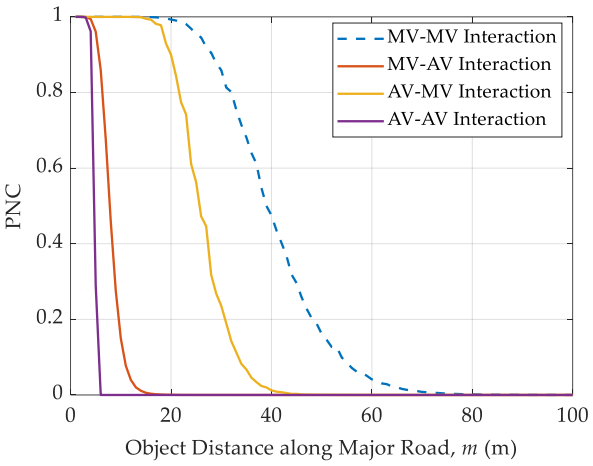

**(a) Crossing LHS SDT**



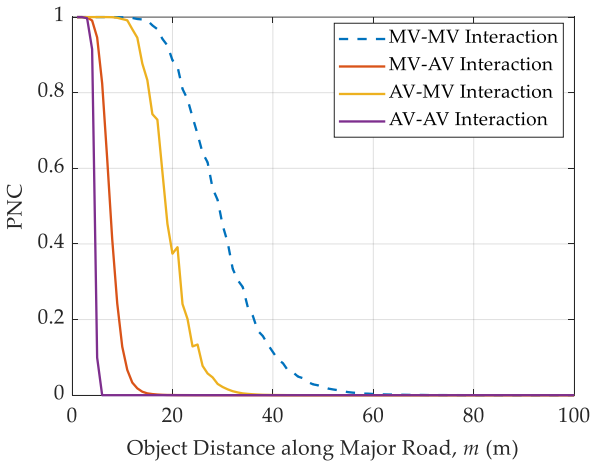

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

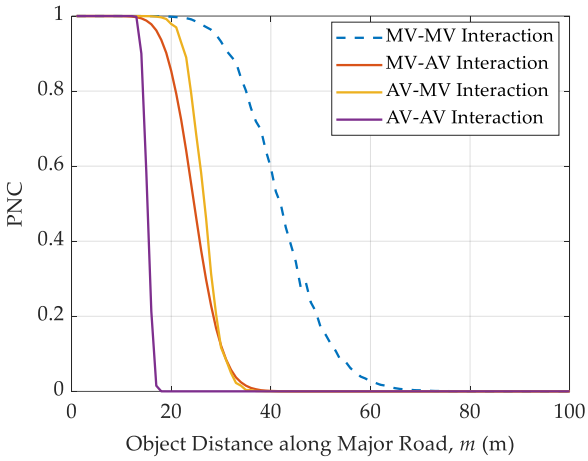



**(d) Left Turn RHS SDT**

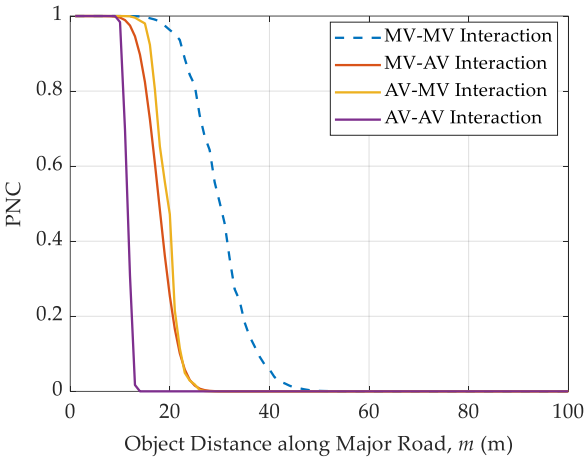



**(e) Right Turn LHS SDT**

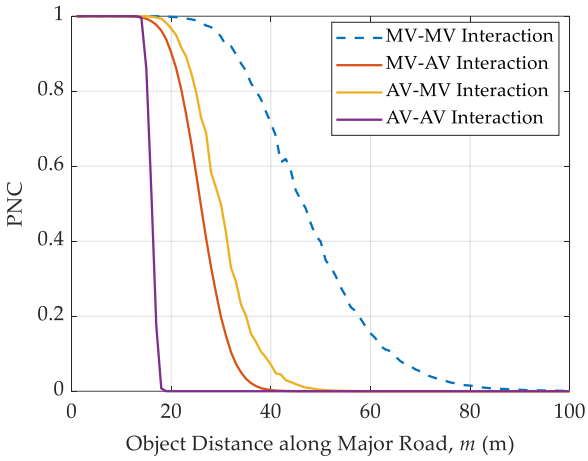
**Figure S40**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 40 km/hr. and $n$ = 1)



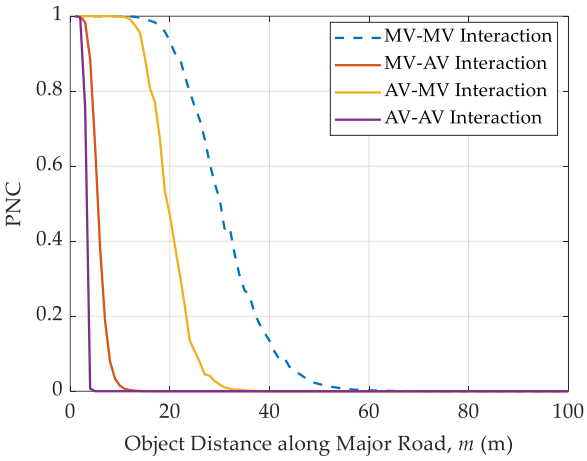

**(a) Crossing LHS SDT**



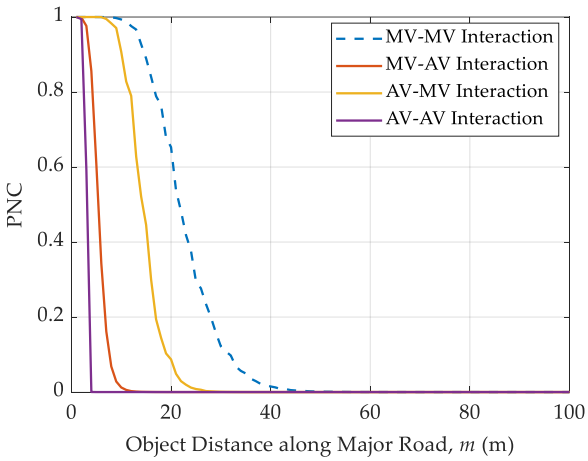

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

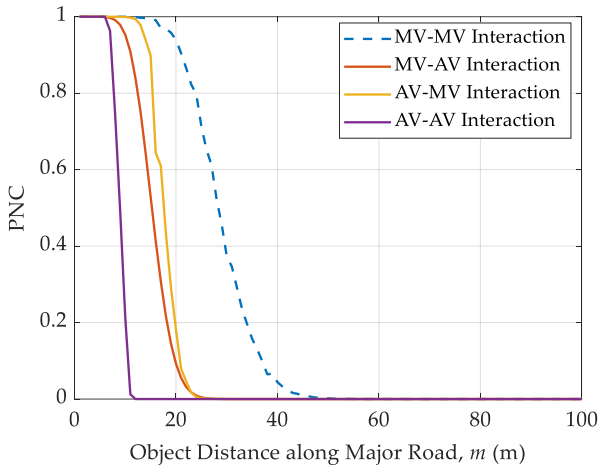



**(d) Left Turn RHS SDT**

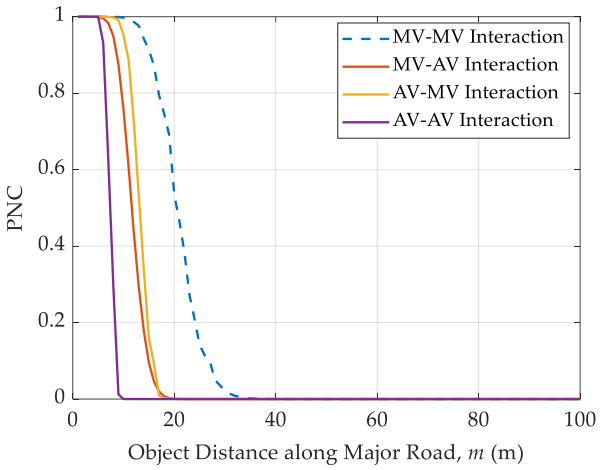



**(e) Right Turn LHS SDT**

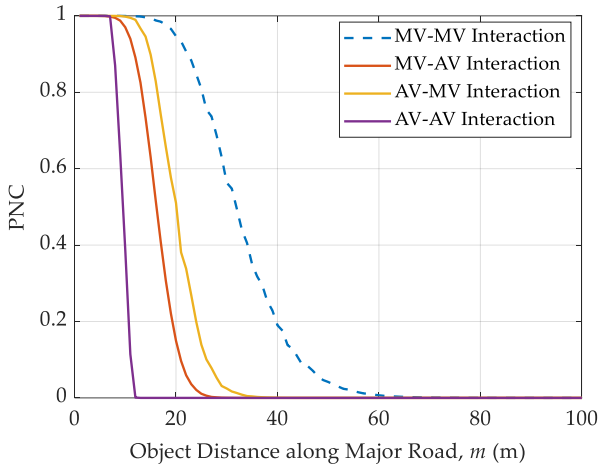
**Figure S41**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 40 km/hr. and $n$ = 2)



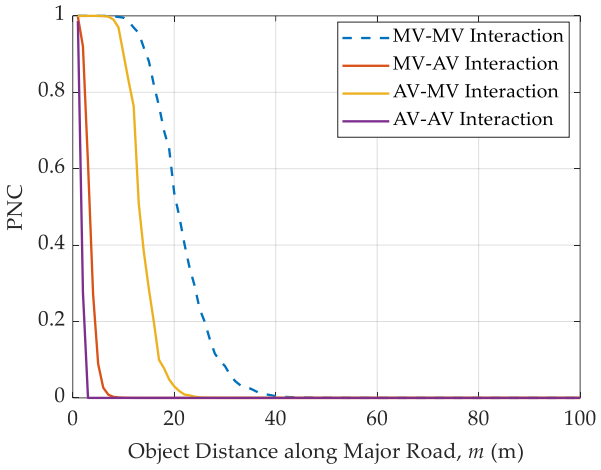

**(a) Crossing LHS SDT**



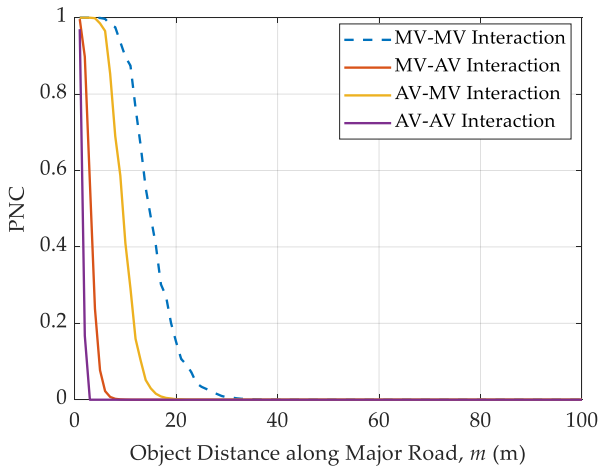

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

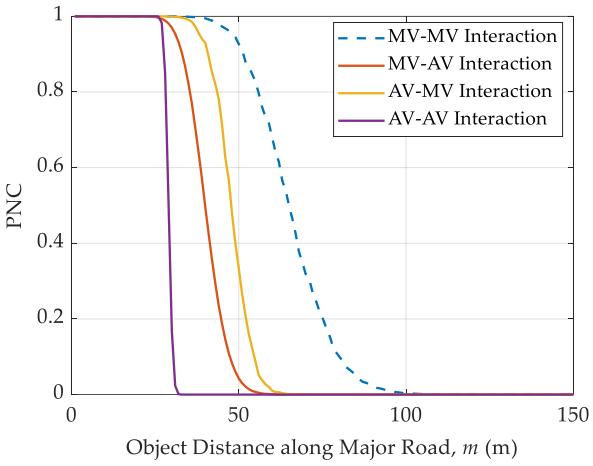



**(d) Left Turn RHS SDT**

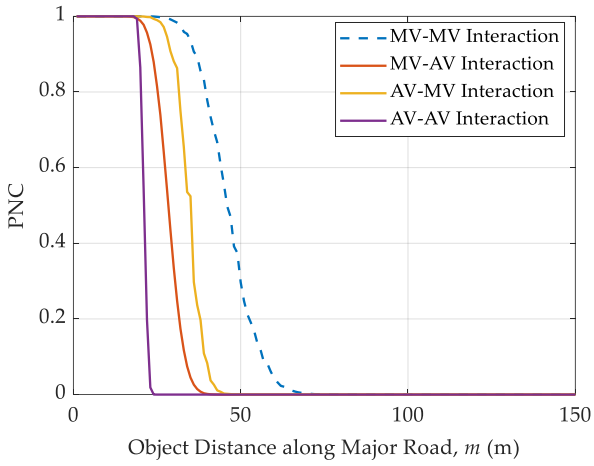



**(e) Right Turn LHS SDT**

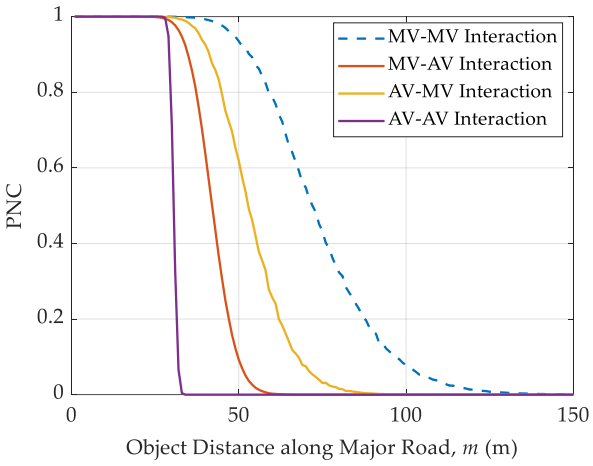
**Figure S42**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 40 km/hr. and $n$ = 3)



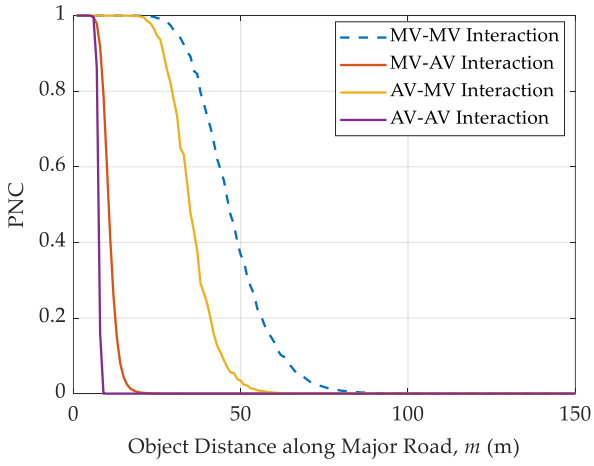

**(a) Crossing LHS SDT**



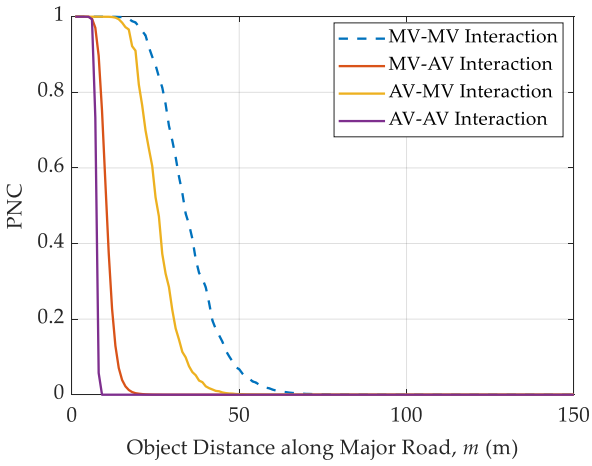

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

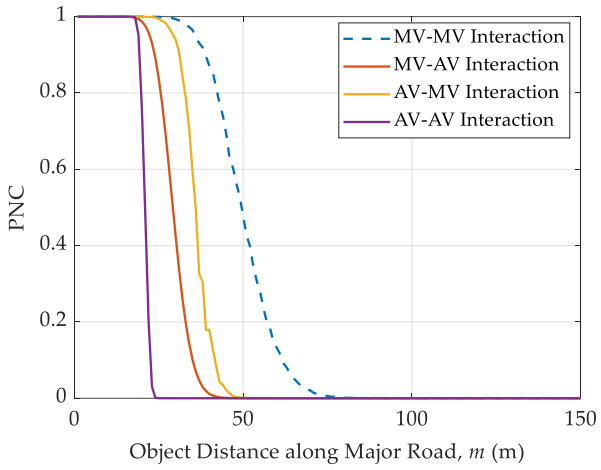



**(d) Left Turn RHS SDT**

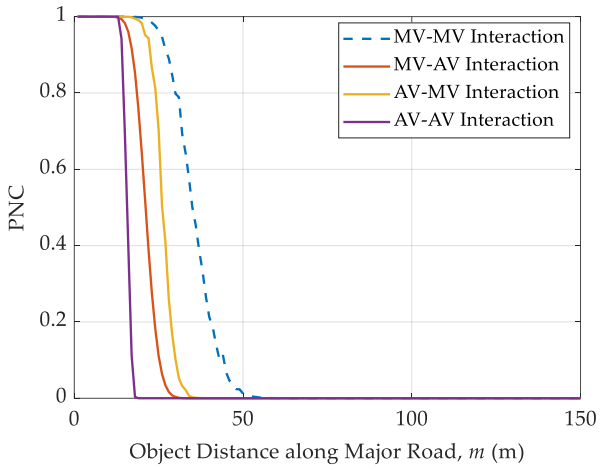



**(e) Right Turn LHS SDT**

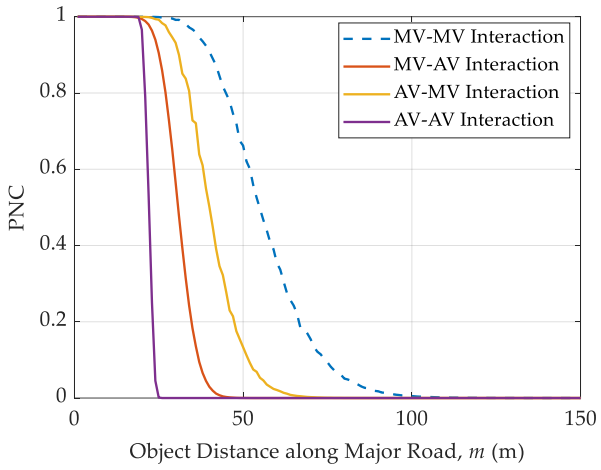
**Figure S43**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 50 km/hr. and $n$ = 1)



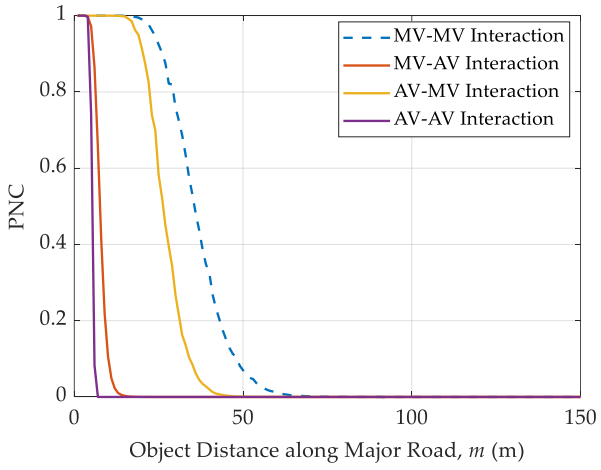

**(a) Crossing LHS SDT**



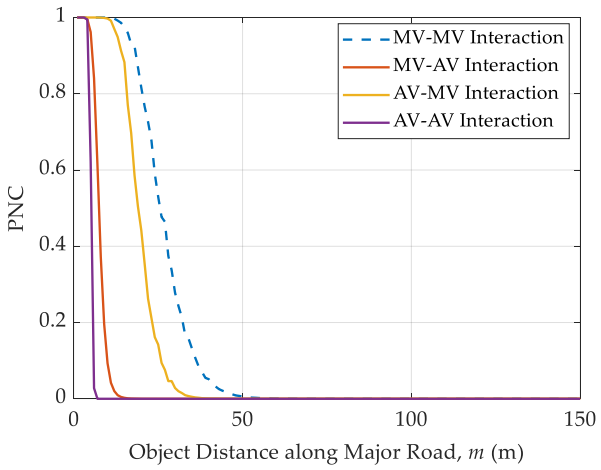

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

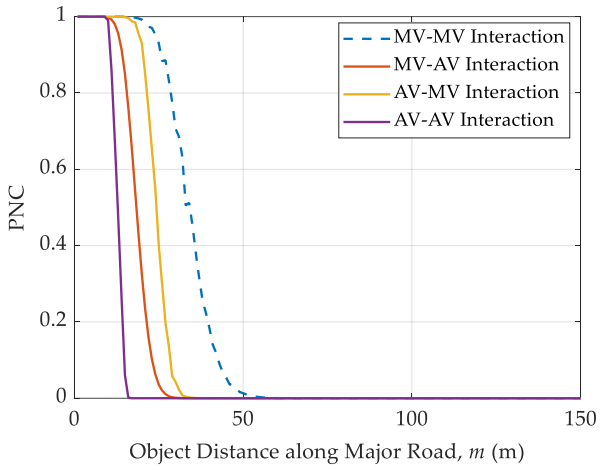



**(d) Left Turn RHS SDT**

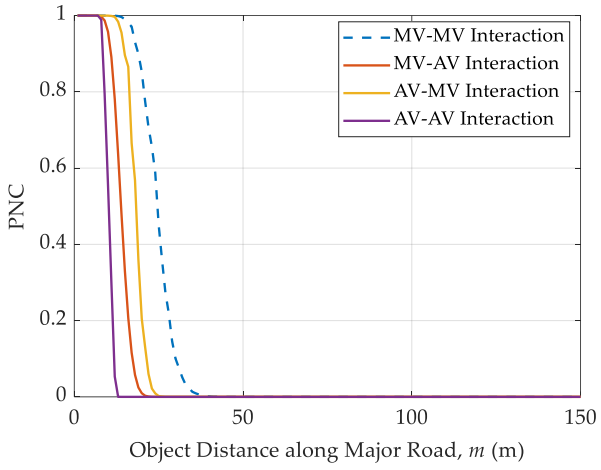



**(e) Right Turn LHS SDT**

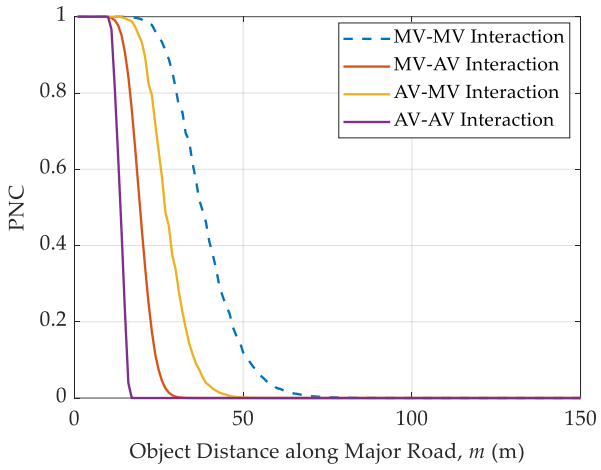
**Figure S44:** Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 50 km/hr. and $n$ = 2)



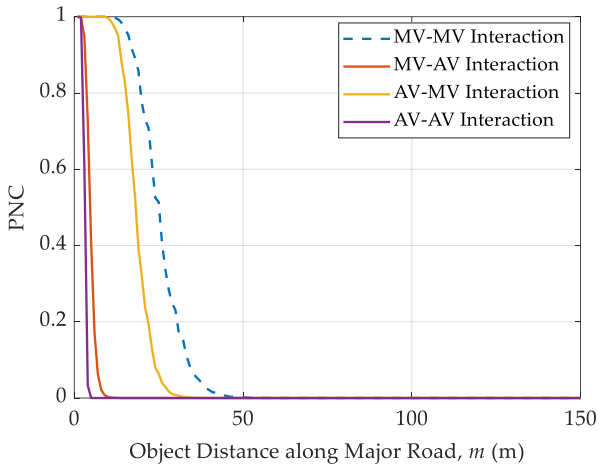

**(a) Crossing LHS SDT**



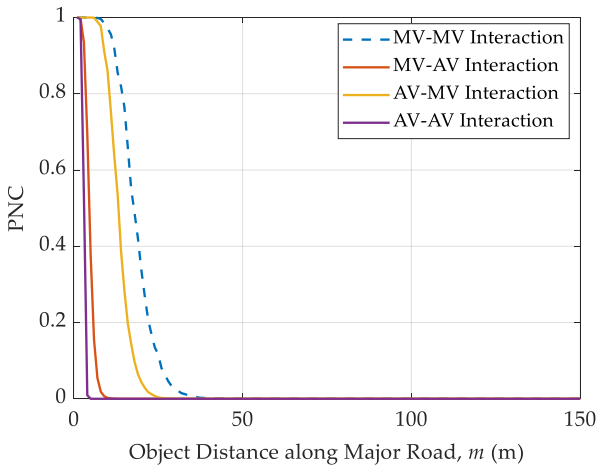

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

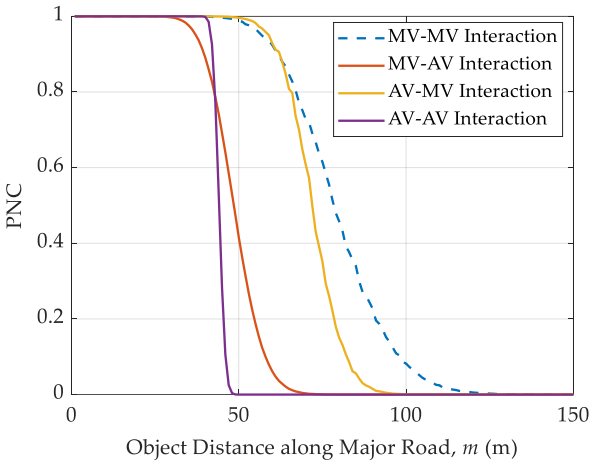



**(d) Left Turn RHS SDT**

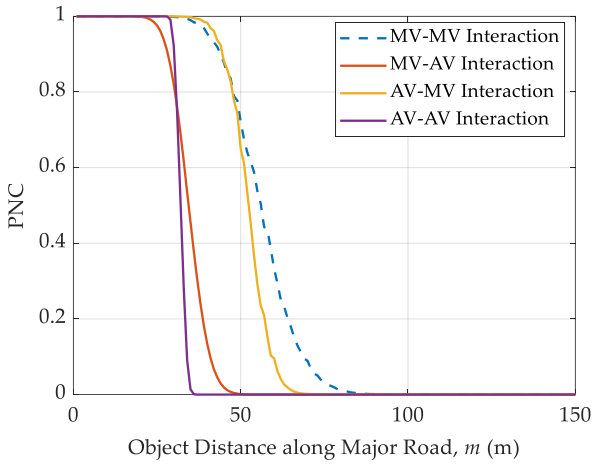



**(e) Right Turn LHS SDT**

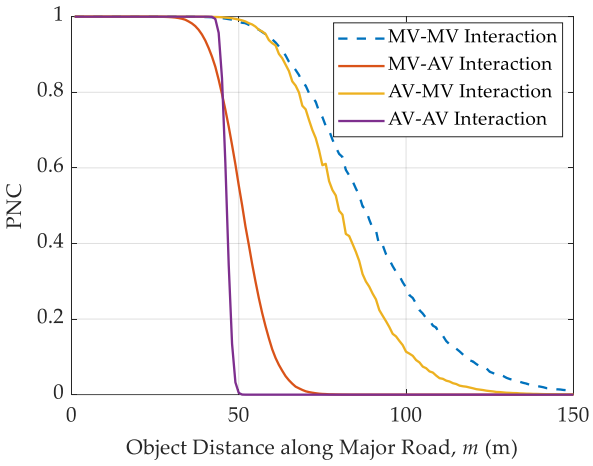
**Figure S45**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 50 km/hr. and $n$ = 3)



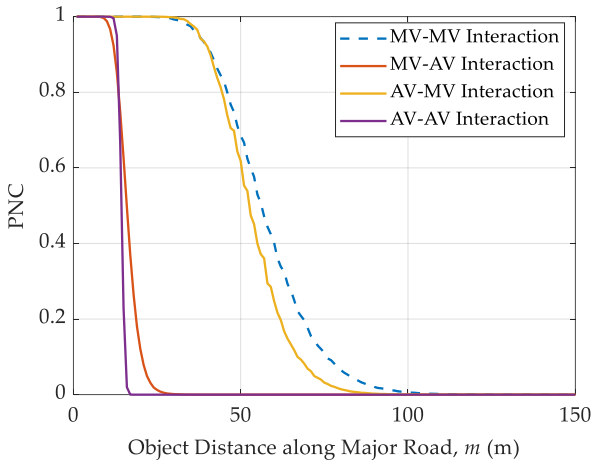

**(a) Crossing LHS SDT**



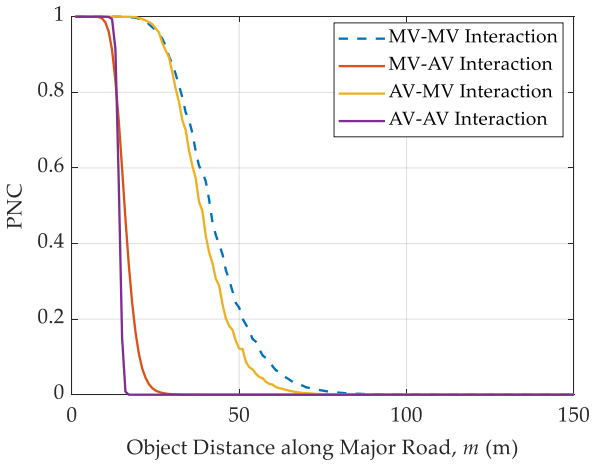

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

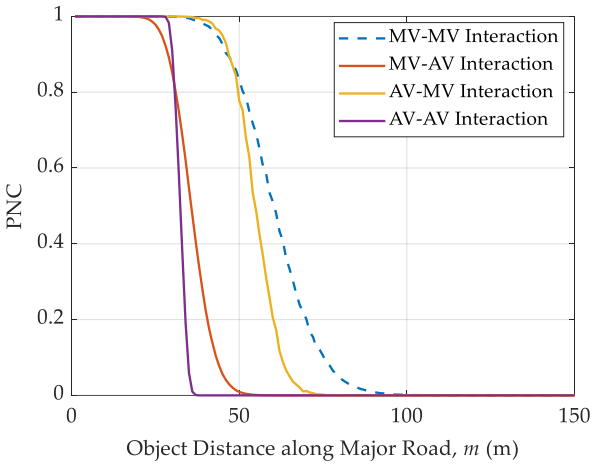



**(d) Left Turn RHS SDT**

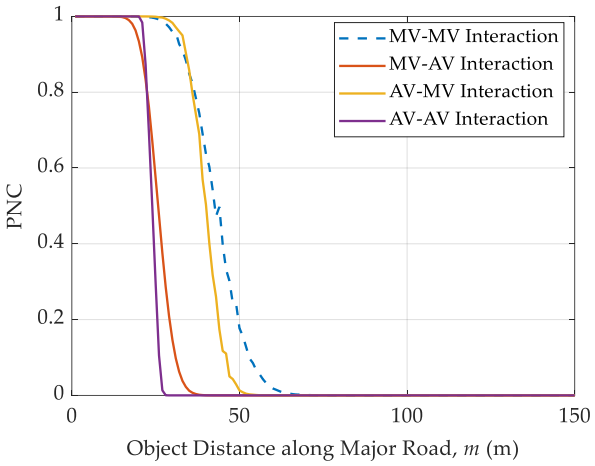



**(e) Right Turn LHS SDT**

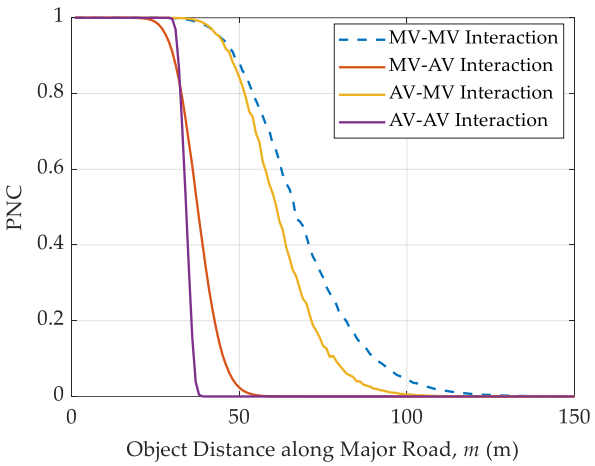
**Figure S46**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 70 km/hr. and $n$ = 1)



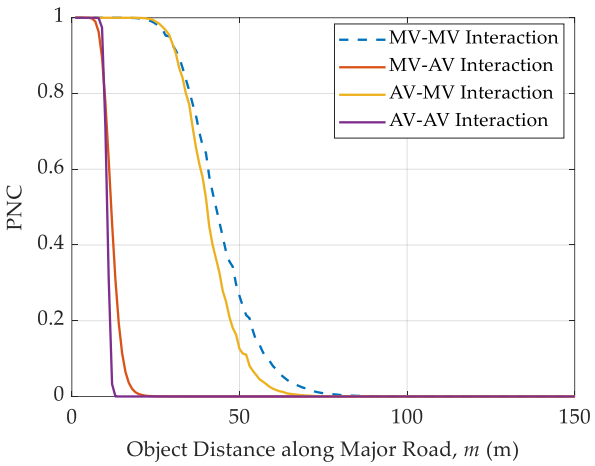

**(a) Crossing LHS SDT**



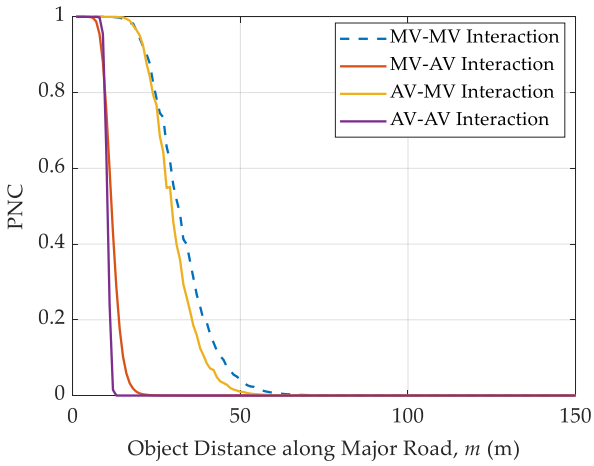

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

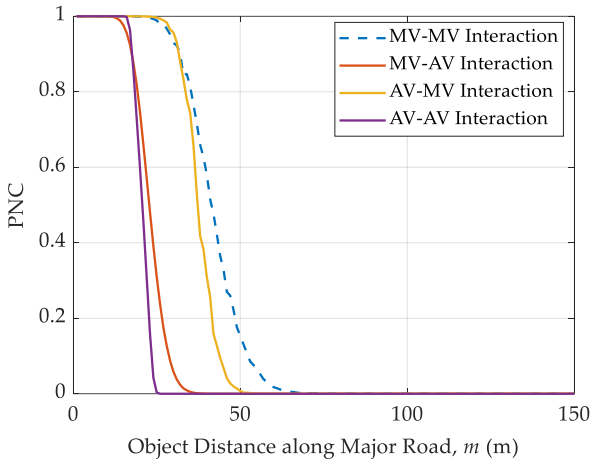



**(d) Left Turn RHS SDT**

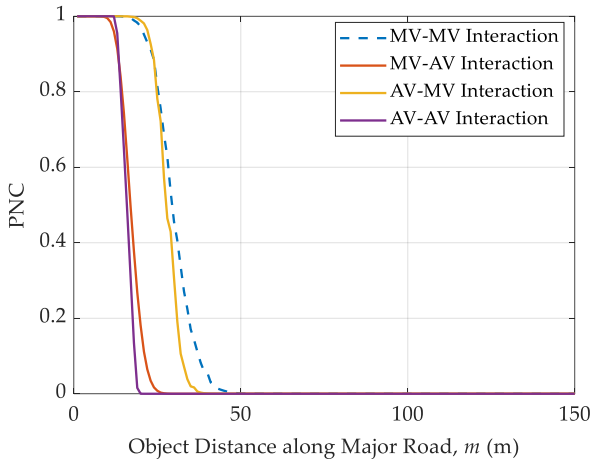



**(e) Right Turn LHS SDT**

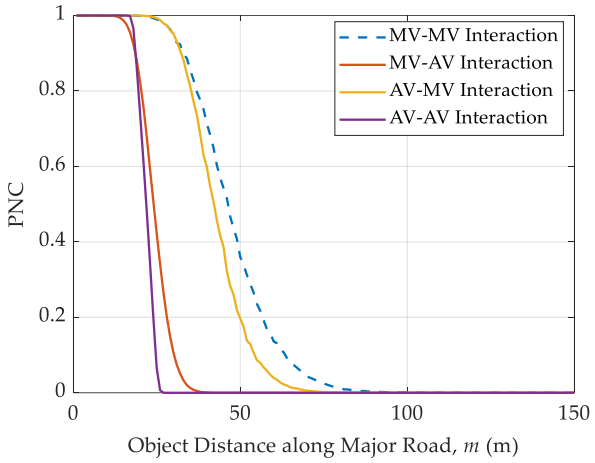
**Figure S47**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 70 km/hr. and $n$ = 2)



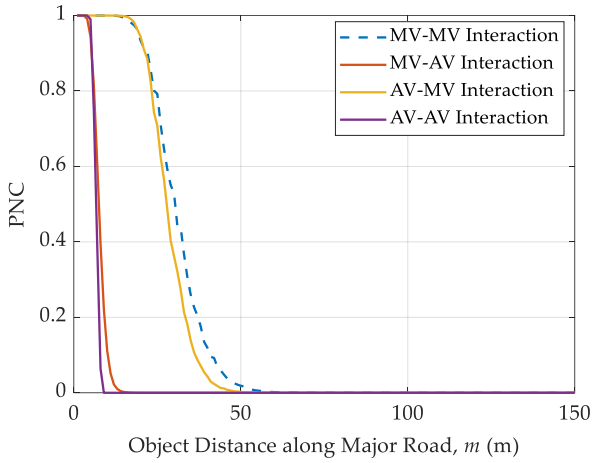

**(a) Crossing LHS SDT**



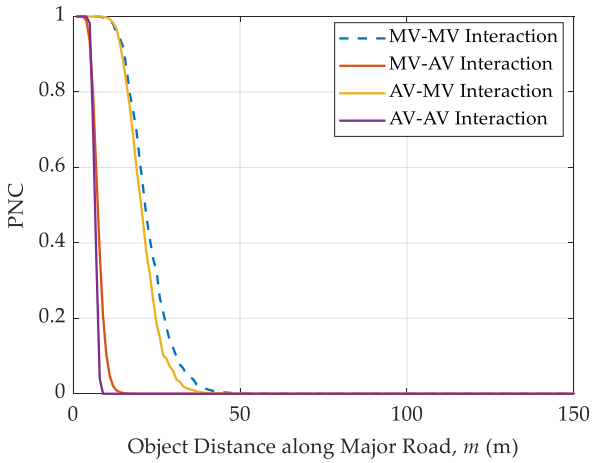

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

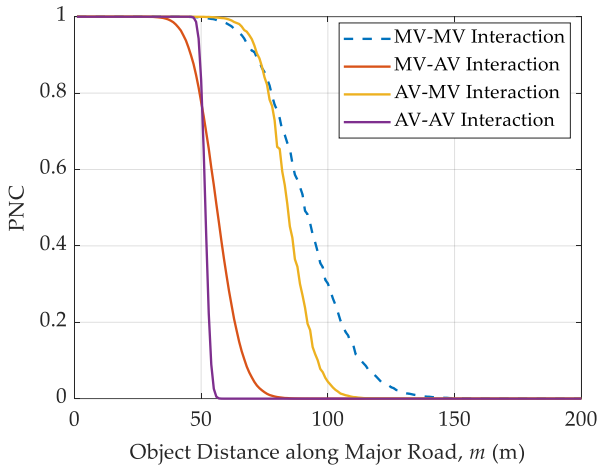



**(d) Left Turn RHS SDT**

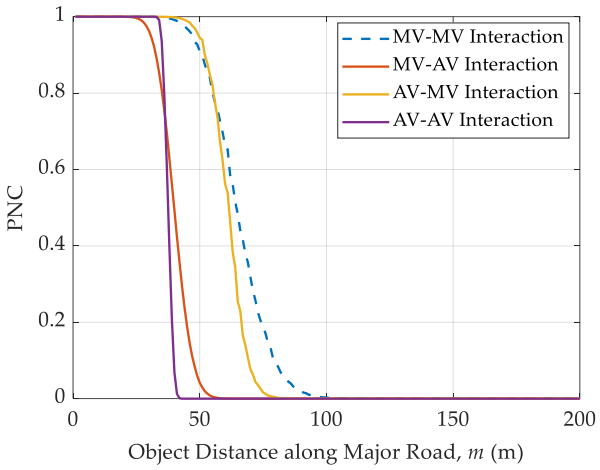



**(e) Right Turn LHS SDT**

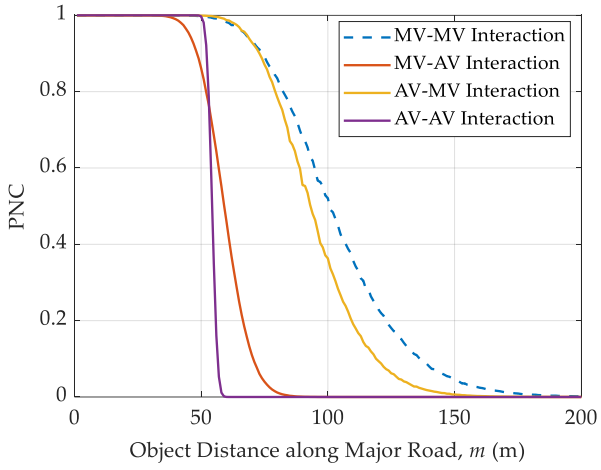
**Figure S48**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 70 km/hr. and $n$ = 3)



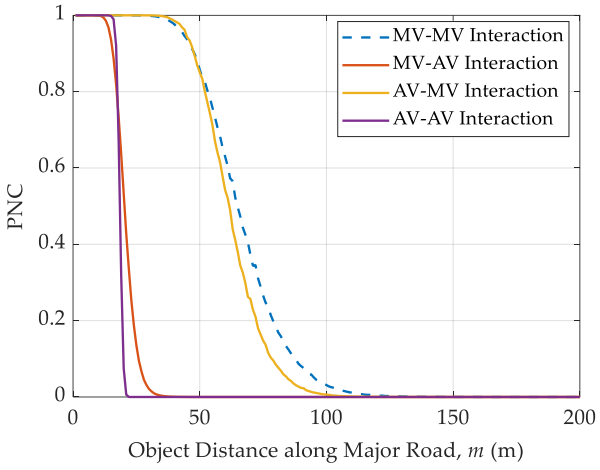

**(a) Crossing LHS SDT**



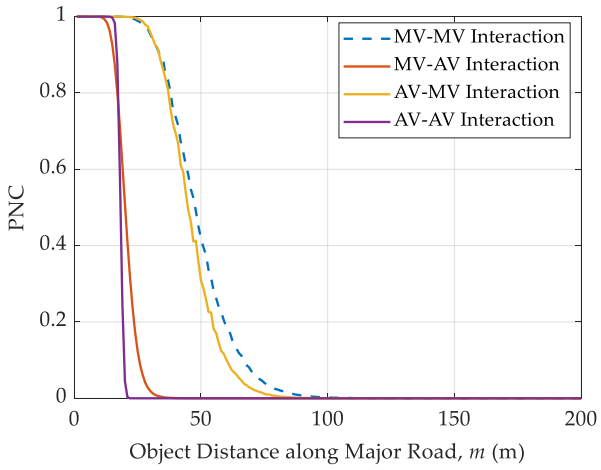

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

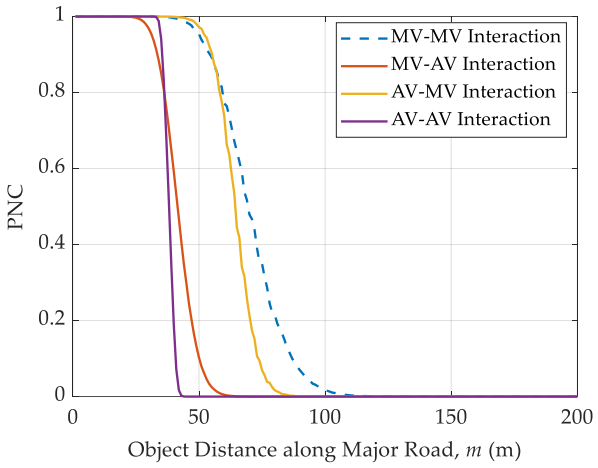



**(d) Left Turn RHS SDT**

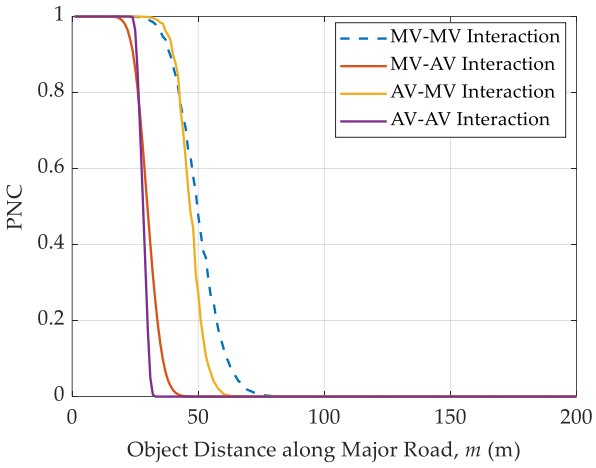



**(e) Right Turn LHS SDT**

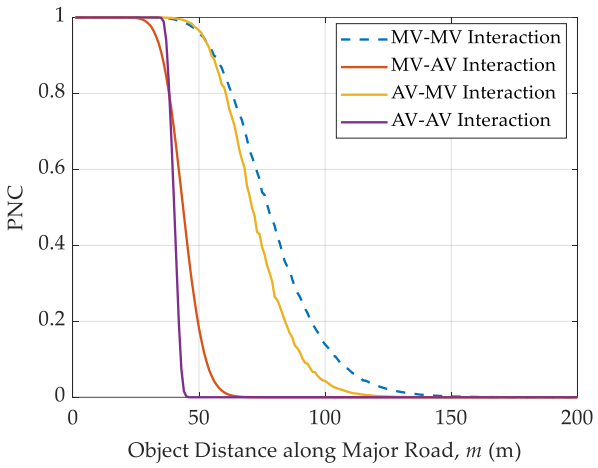
**Figure S49**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 80 km/hr. and $n$ = 1)



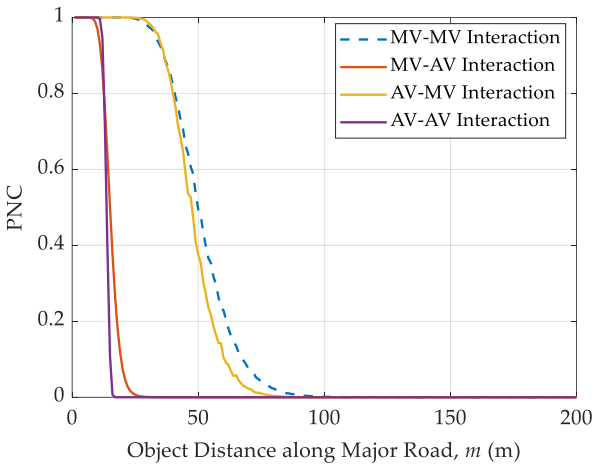

**(a) Crossing LHS SDT**



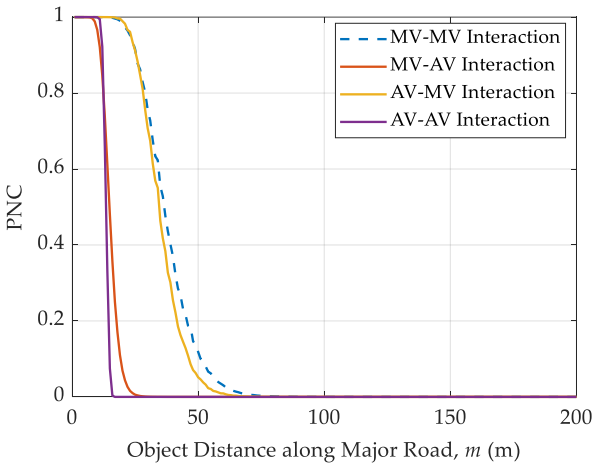

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

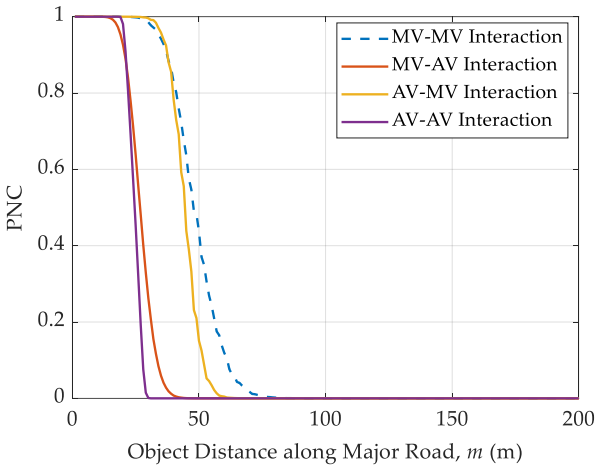



**(d) Left Turn RHS SDT**

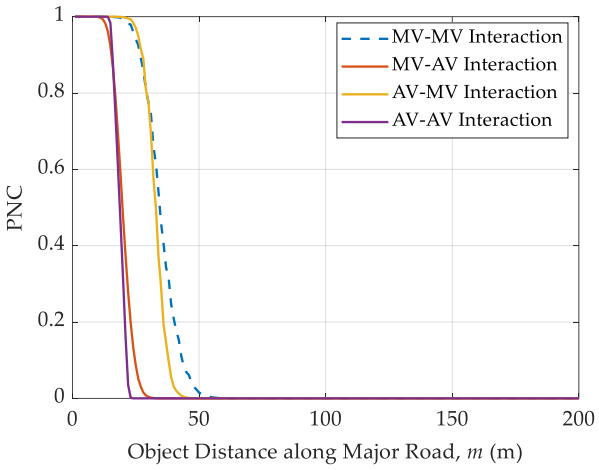



**(e) Right Turn LHS SDT**

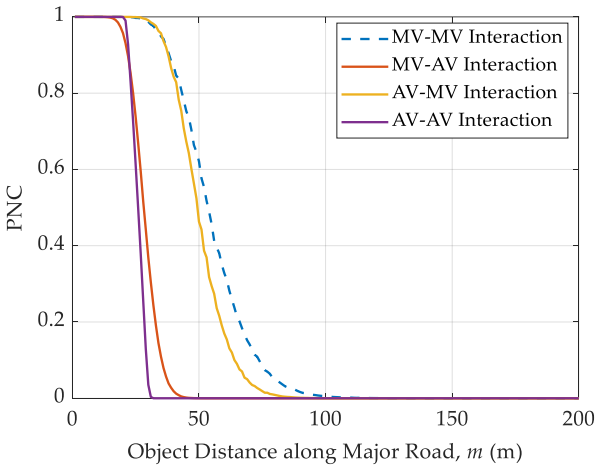
**Figure S50**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 80 km/hr. and $n$ = 2)



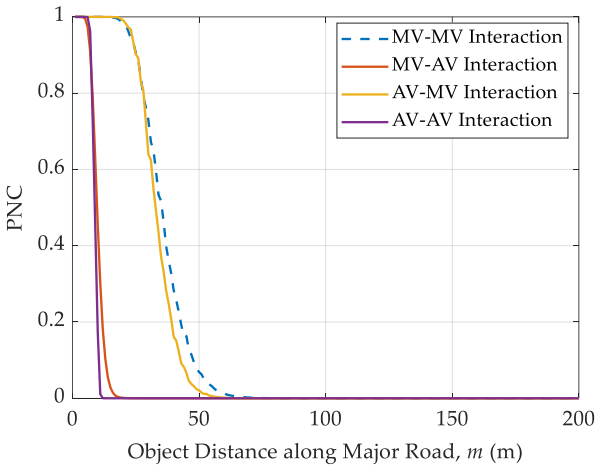

**(a) Crossing LHS SDT**



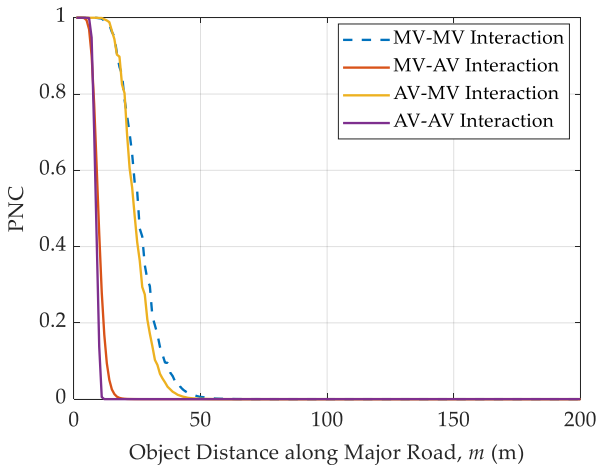

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

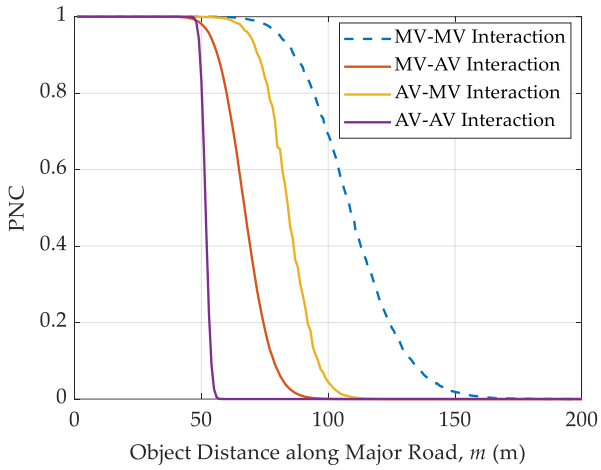



**(d) Left Turn RHS SDT**

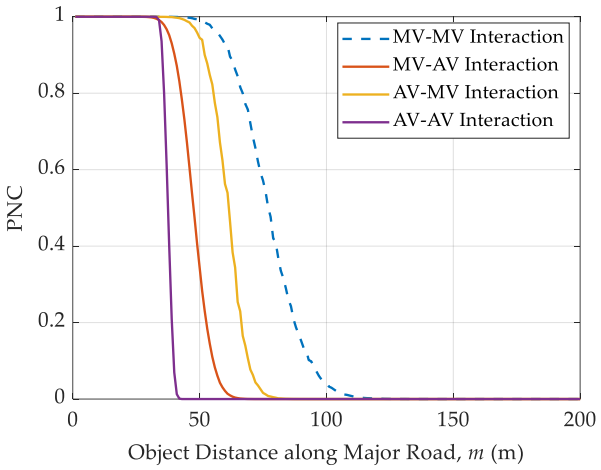



**(e) Right Turn LHS SDT**

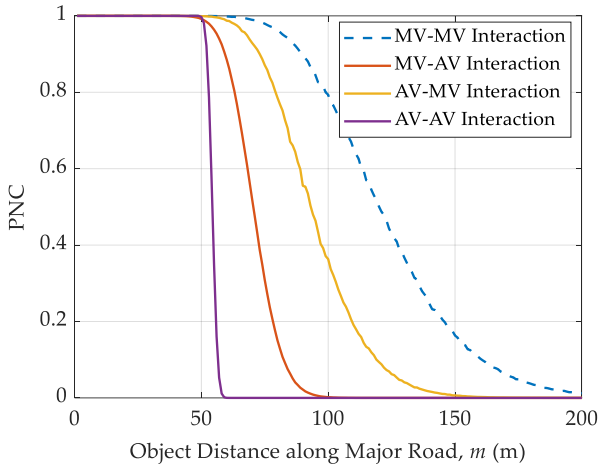
**Figure S51**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 80 km/hr. and $n$ = 3)



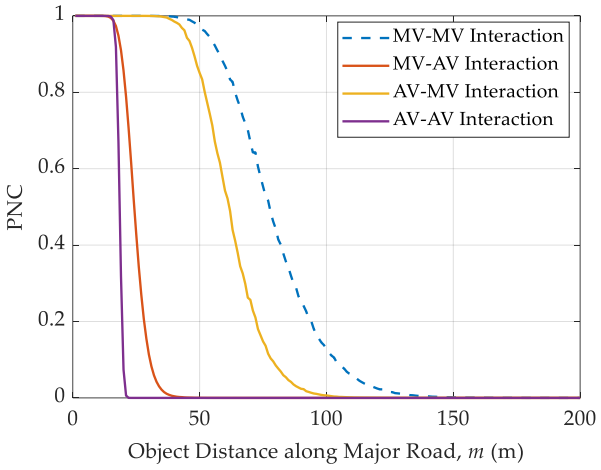

**(a) Crossing LHS SDT**



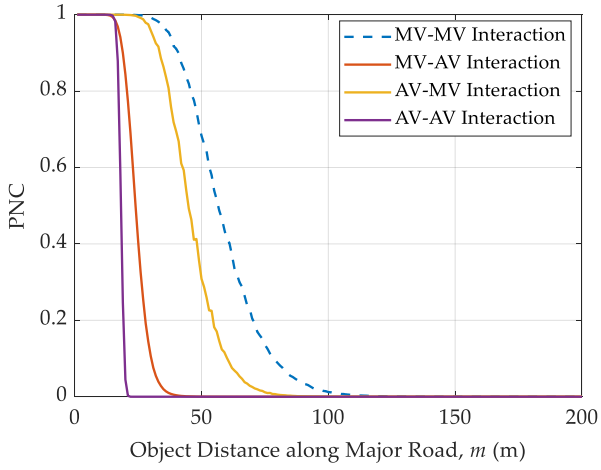

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

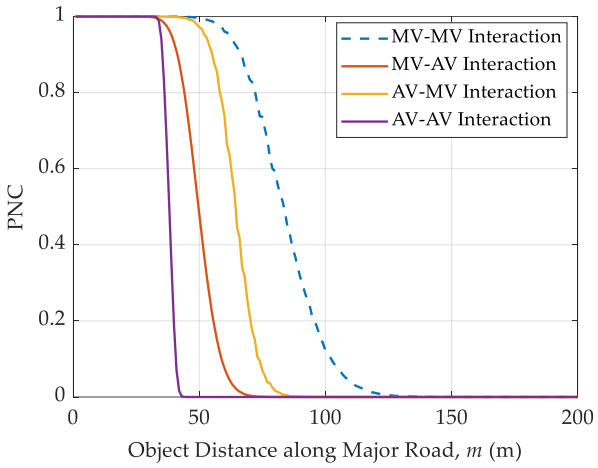



**(d) Left Turn RHS SDT**

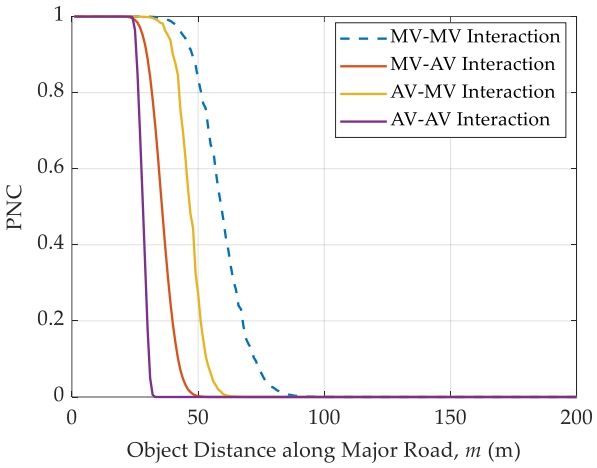



**(e) Right Turn LHS SDT**

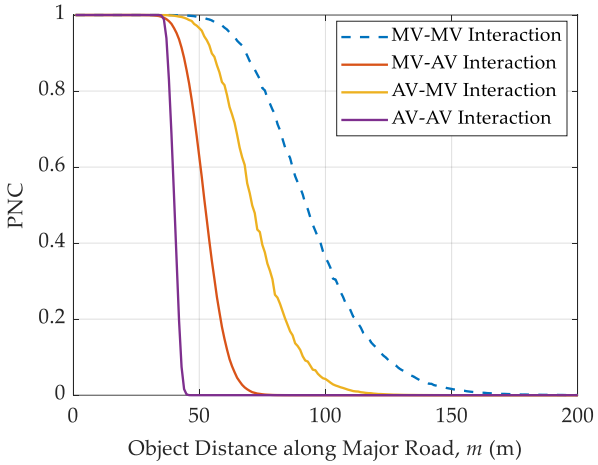
**Figure S52:** Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 90 km/hr. and $n$ = 1)



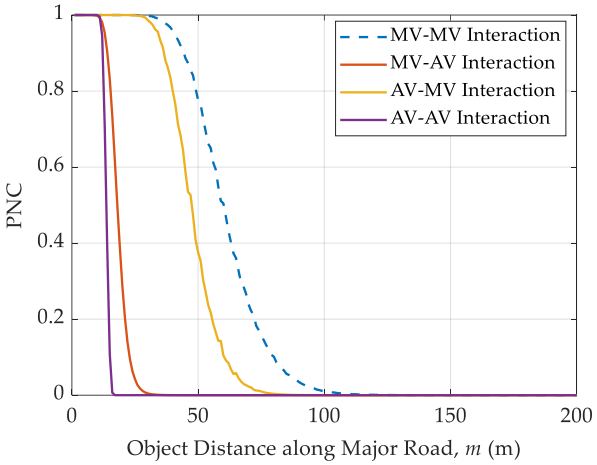

**(a) Crossing LHS SDT**



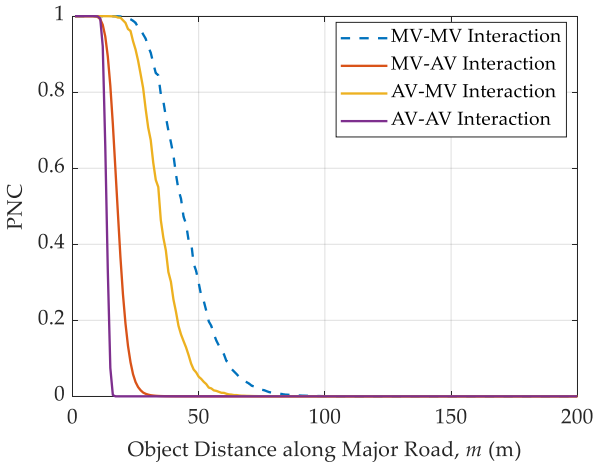

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

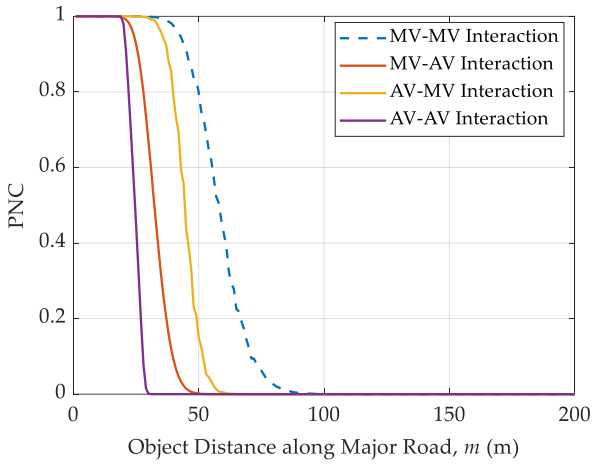



**(d) Left Turn RHS SDT**

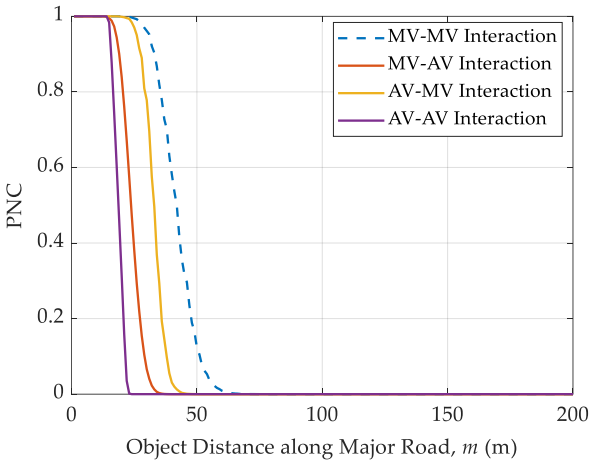



**(e) Right Turn LHS SDT**

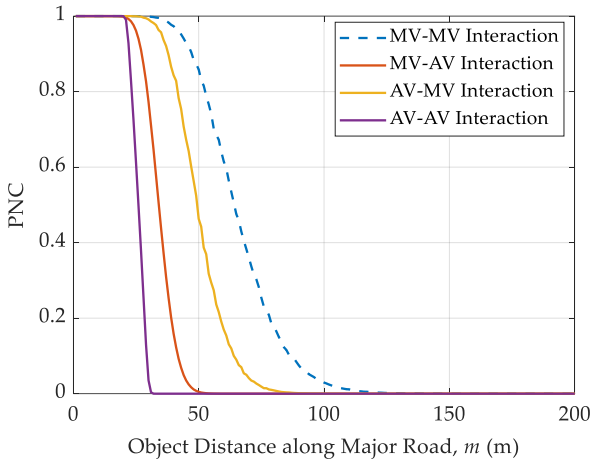
**Figure S53**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 90 km/hr. and $n$ = 2)



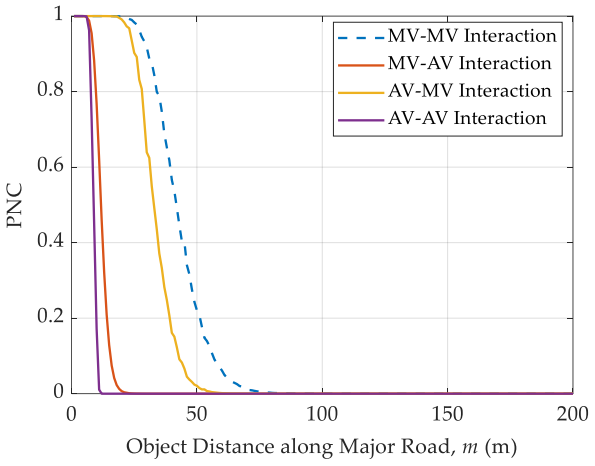

**(a) Crossing LHS SDT**



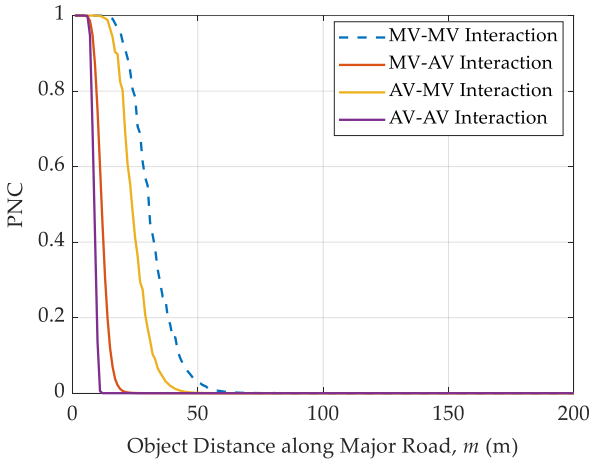

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

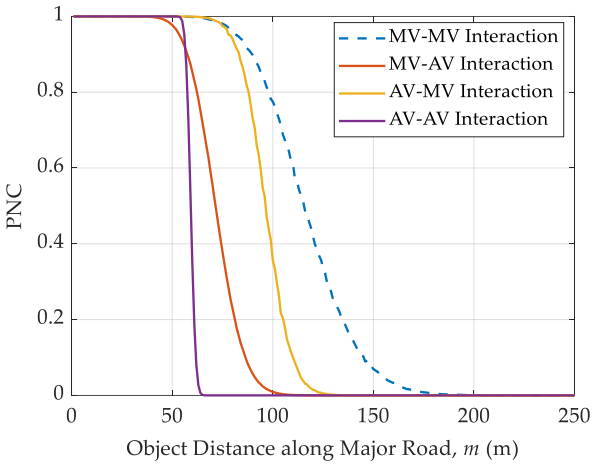



**(d) Left Turn RHS SDT**

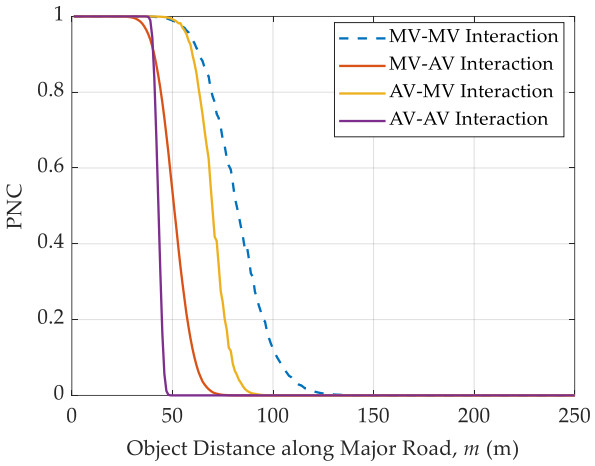



**(e) Right Turn LHS SDT**

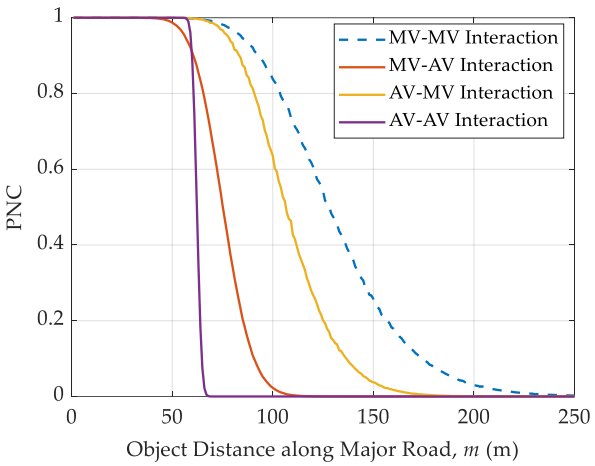
**Figure S54**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 90 km/hr. and $n$ = 3)



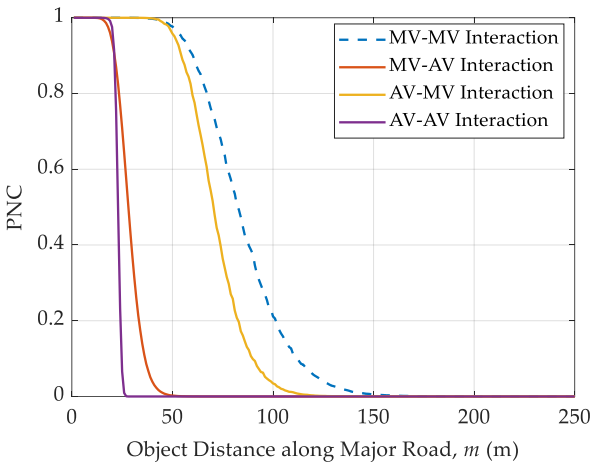

**(a) Crossing LHS SDT**



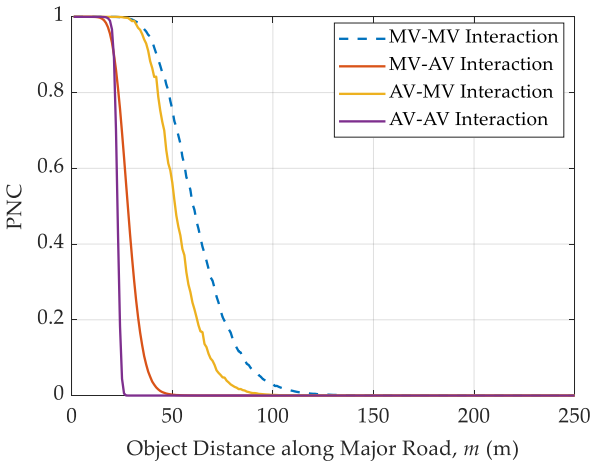

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

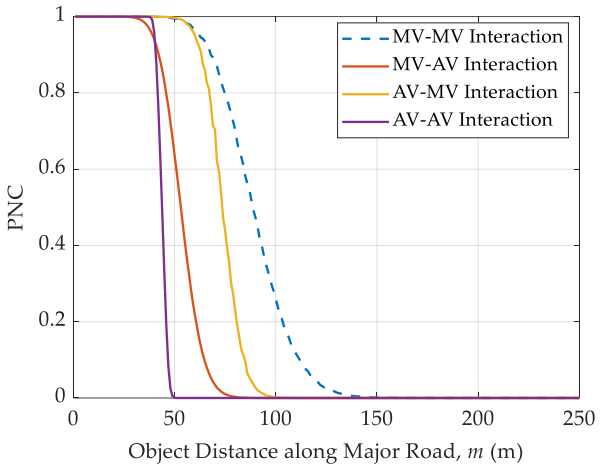



**(d) Left Turn RHS SDT**

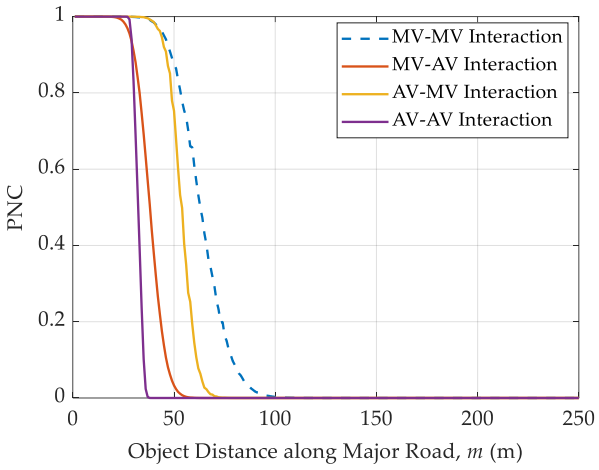



**(e) Right Turn LHS SDT**

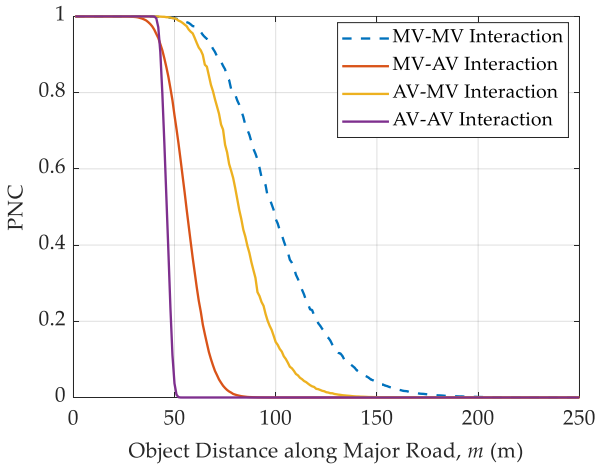
**Figure S55:** Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 100 km/hr. and $n$ = 1)



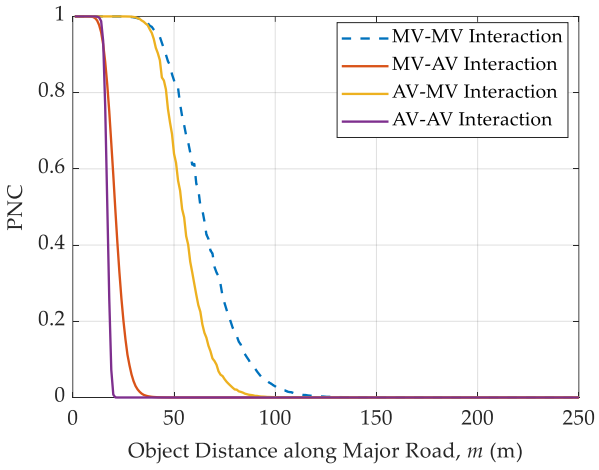

**(a) Crossing LHS SDT**



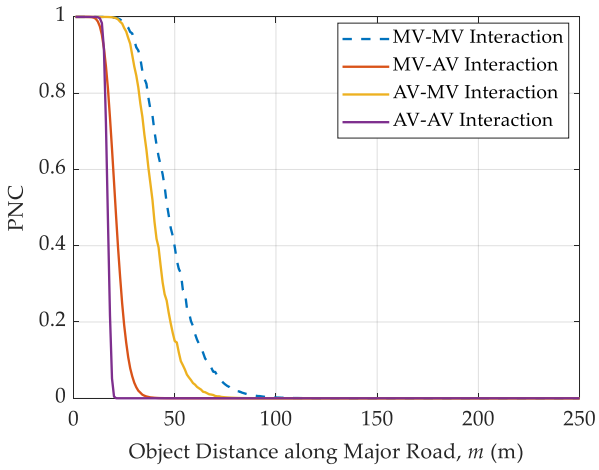

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

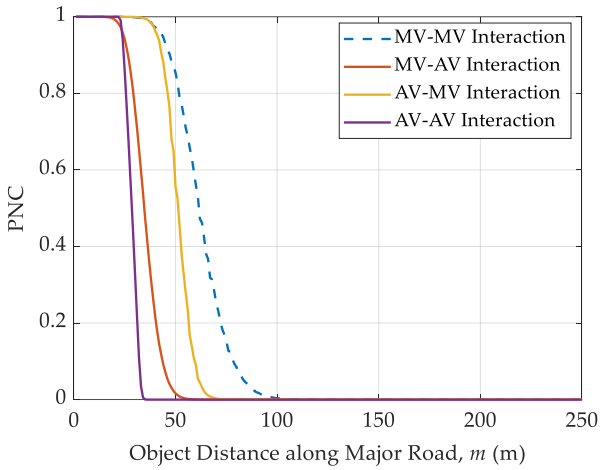



**(d) Left Turn RHS SDT**

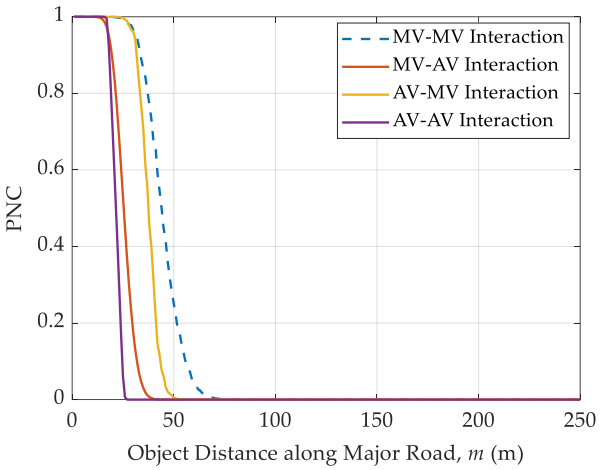



**(e) Right Turn LHS SDT**

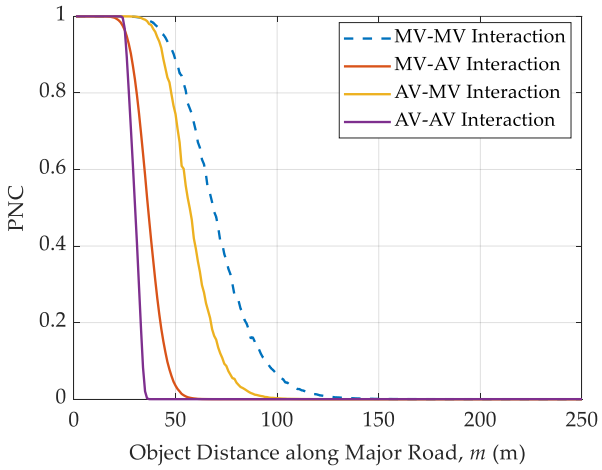
**Figure S56**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 100 km/hr. and $n$ = 2)



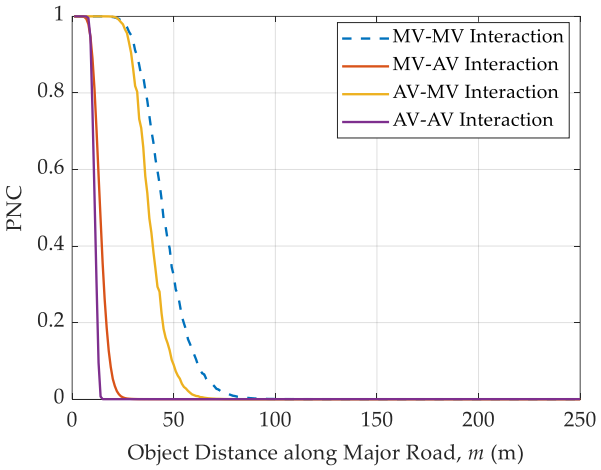

**(a) Crossing LHS SDT**



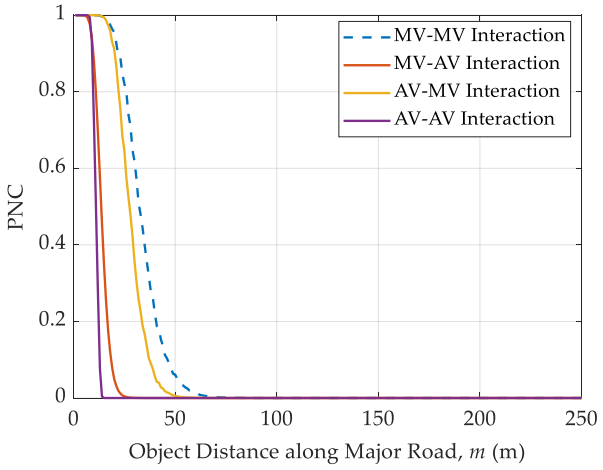

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

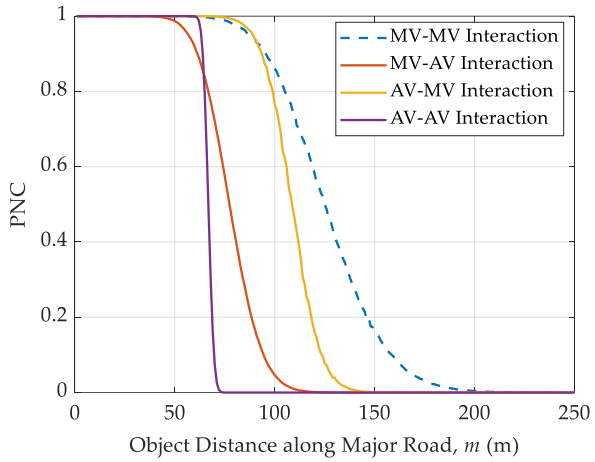



**(d) Left Turn RHS SDT**

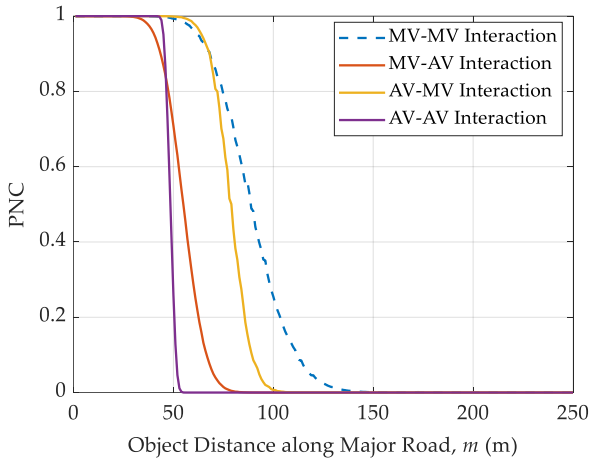



**(e) Right Turn LHS SDT**

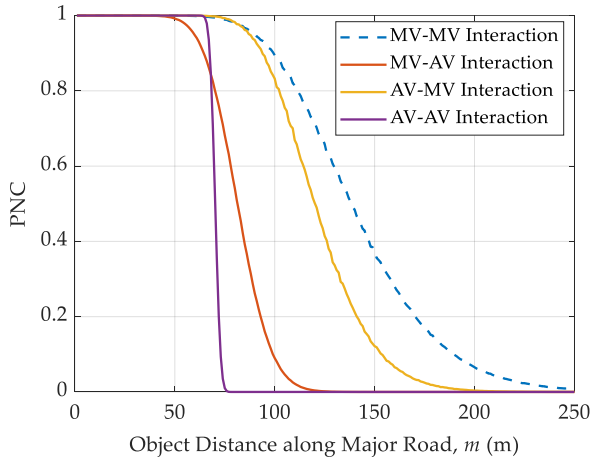
**Figure S57**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 100 km/hr. and $n$ = 3)



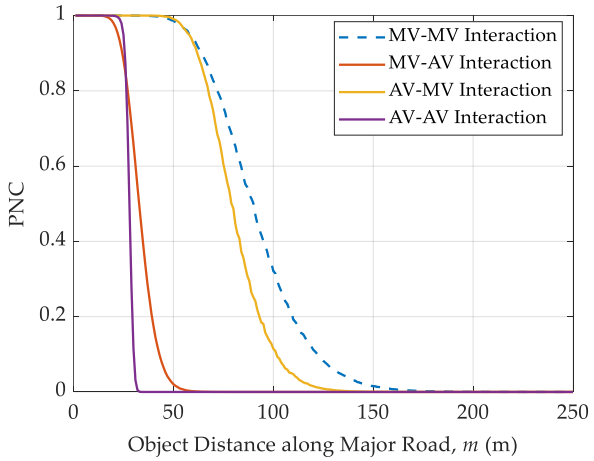

**(a) Crossing LHS SDT**



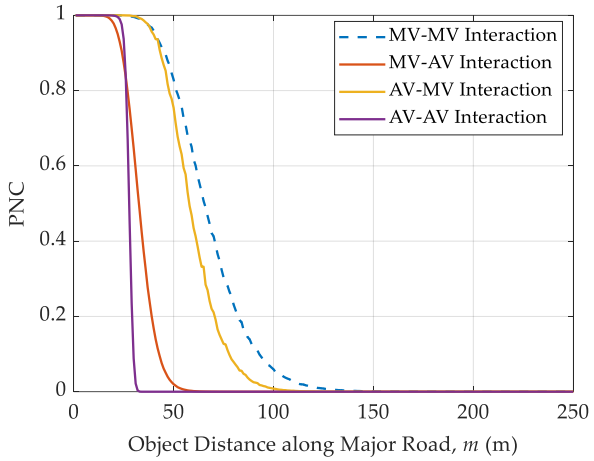

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

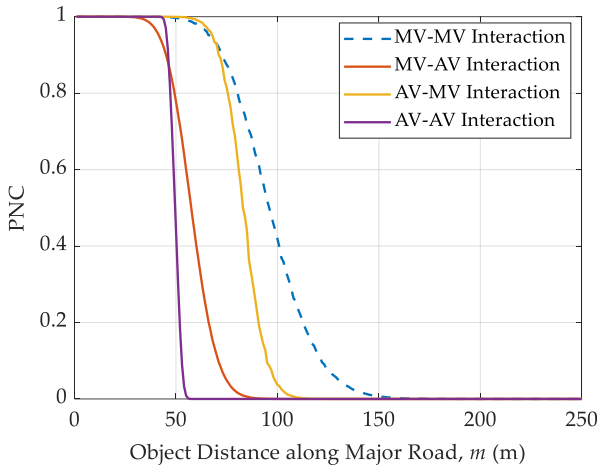



**(d) Left Turn RHS SDT**

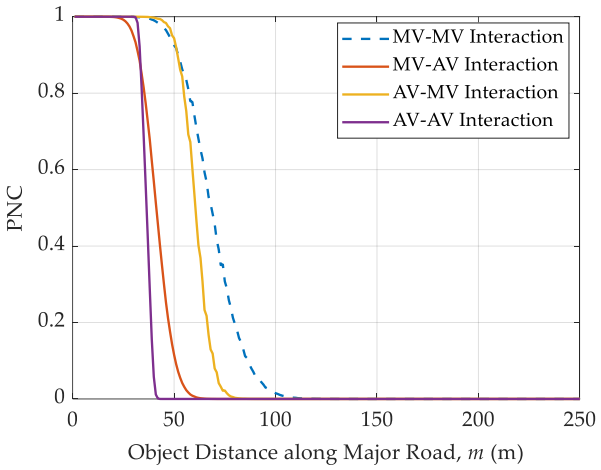



**(e) Right Turn LHS SDT**

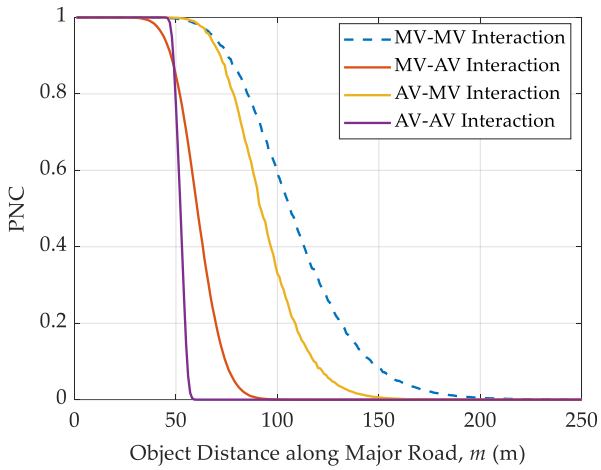
**Figure S58**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 110 km/hr. and $n$ = 1)



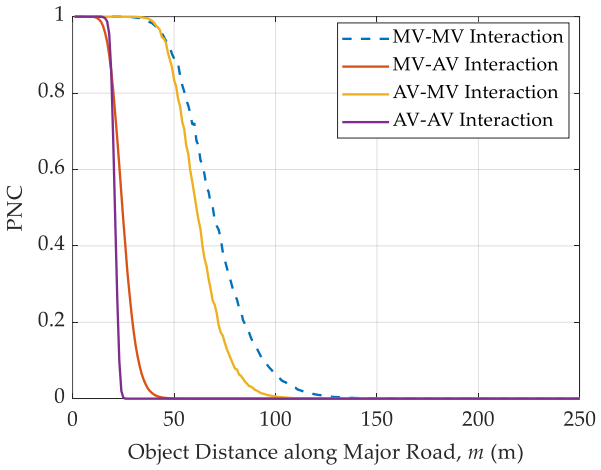

**(a) Crossing LHS SDT**



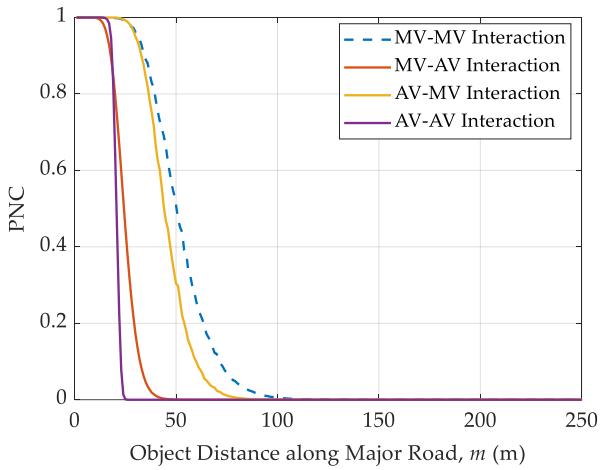

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

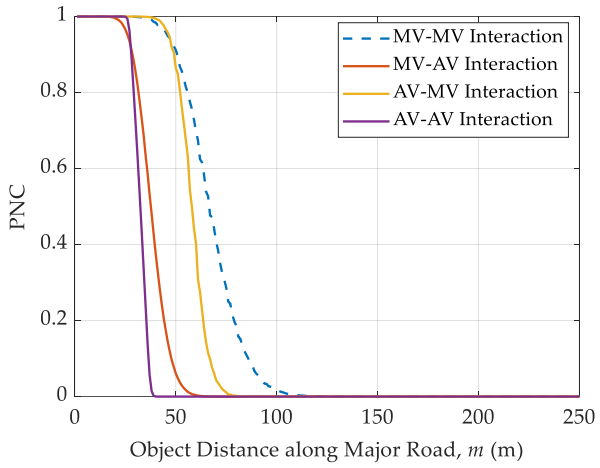



**(d) Left Turn RHS SDT**

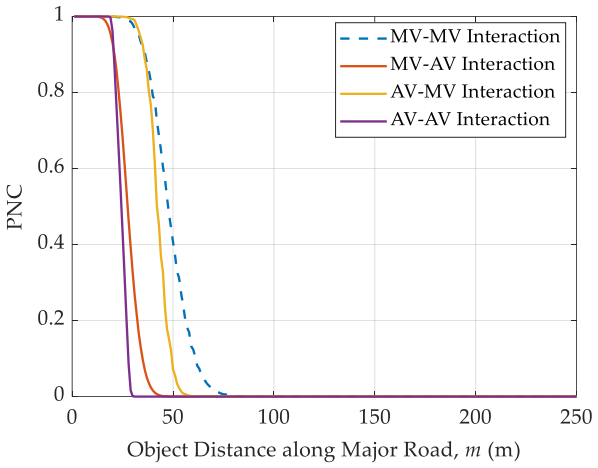



**(e) Right Turn LHS SDT**

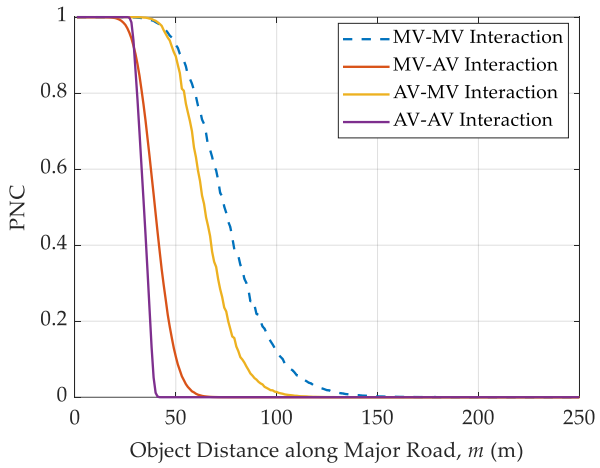
**Figure S59**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 110 km/hr. and $n$ = 2)



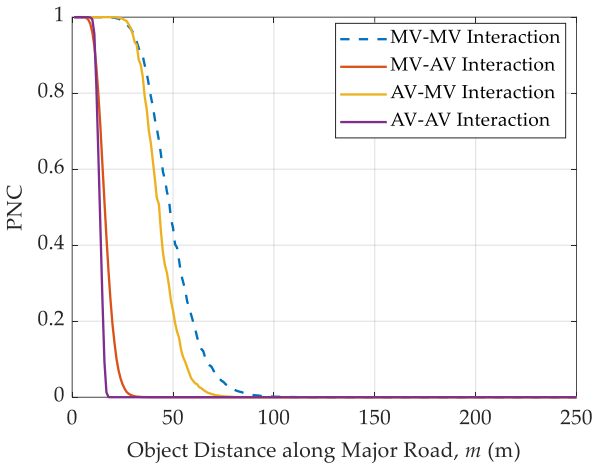

**(a) Crossing LHS SDT**



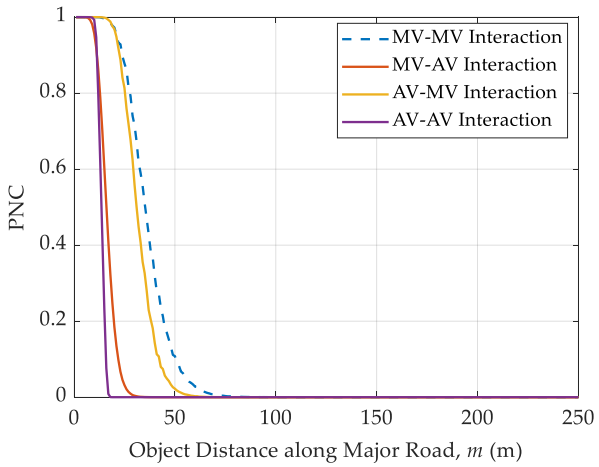

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

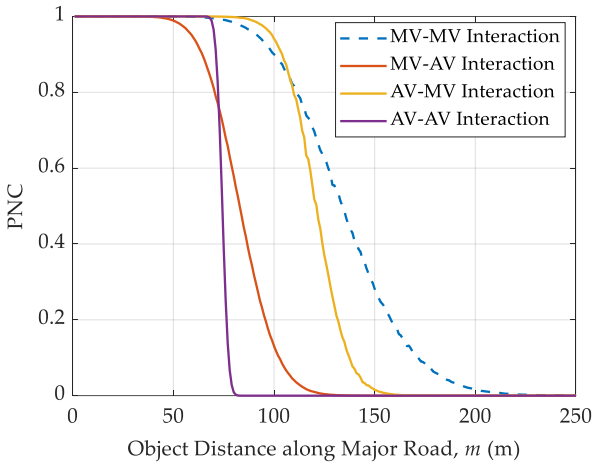



**(d) Left Turn RHS SDT**

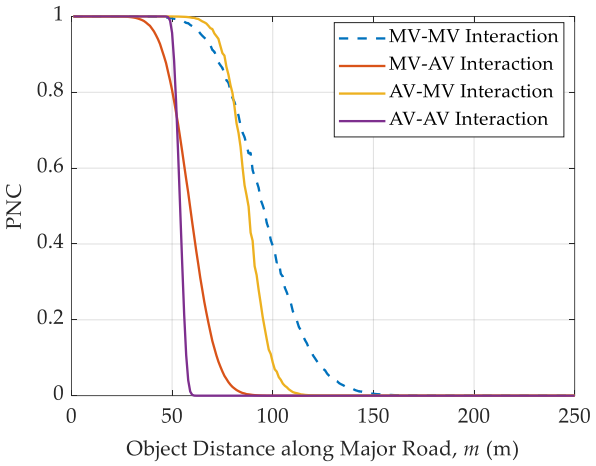



**(e) Right Turn LHS SDT**

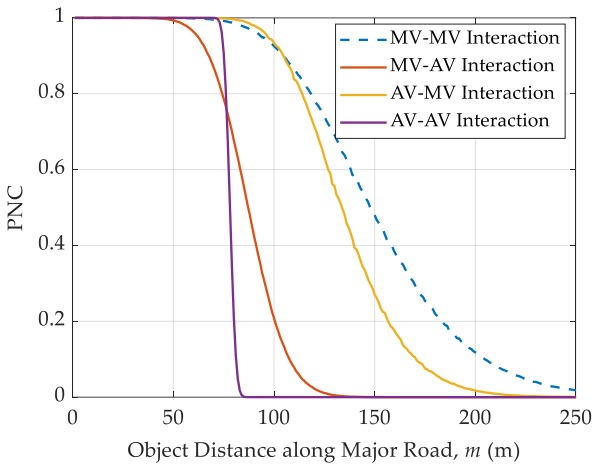
**Figure S60**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 110 km/hr. and $n$ = 3)



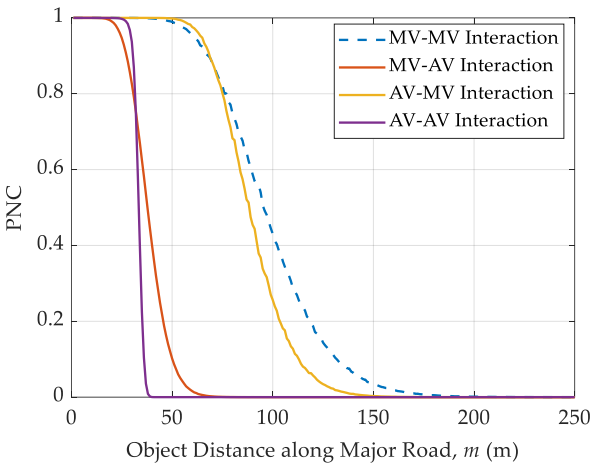

**(a) Crossing LHS SDT**



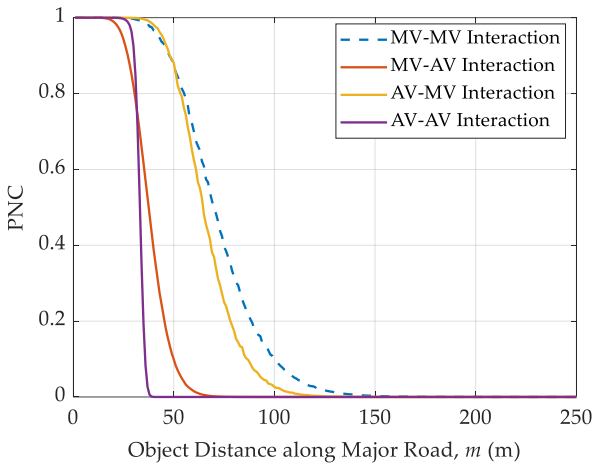

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

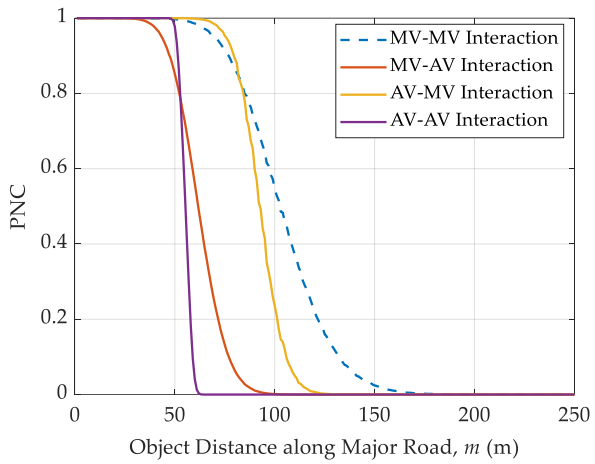



**(d) Left Turn RHS SDT**

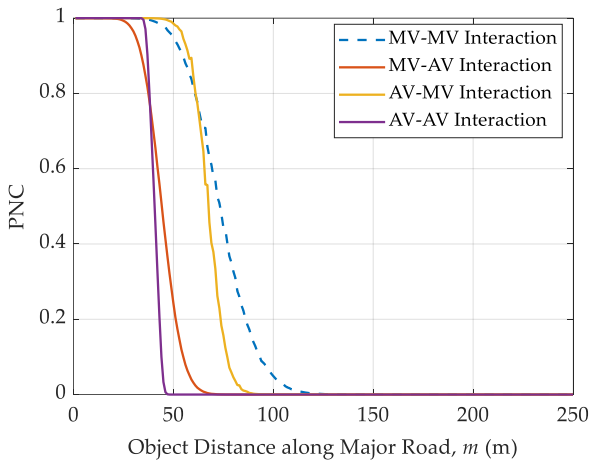



**(e) Right Turn LHS SDT**

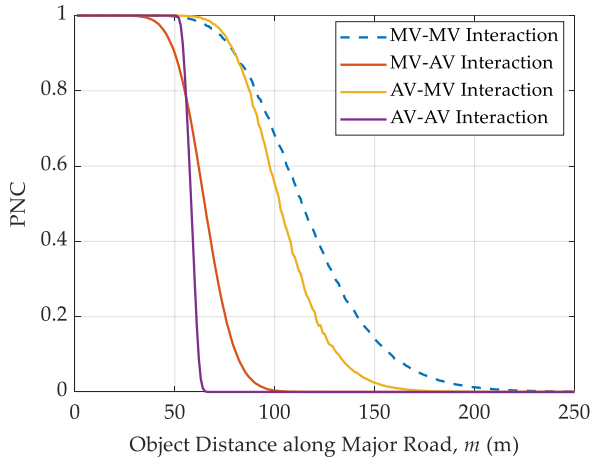
**Figure S61**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 120 km/hr. and $n$ = 1)



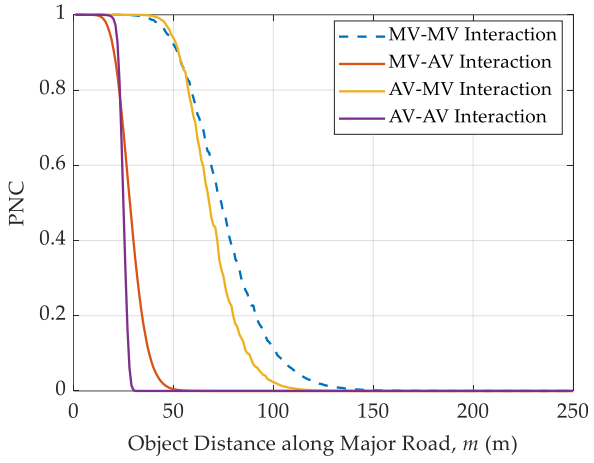

**(a) Crossing LHS SDT**



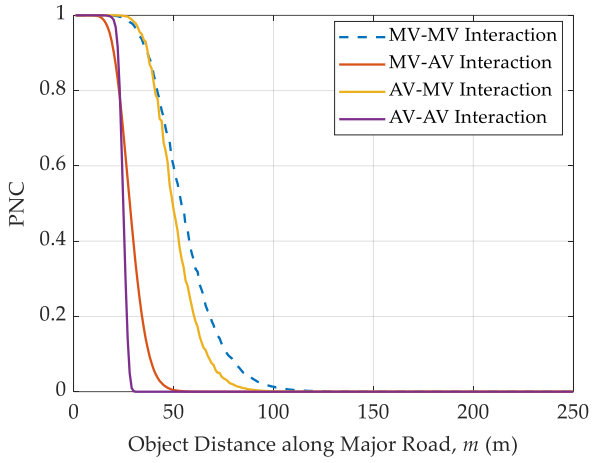

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

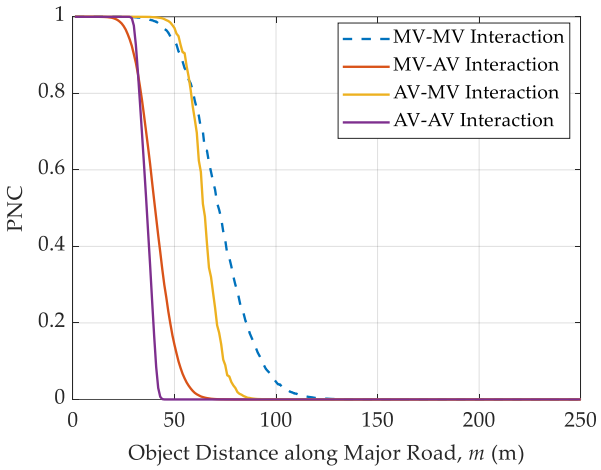



**(d) Left Turn RHS SDT**

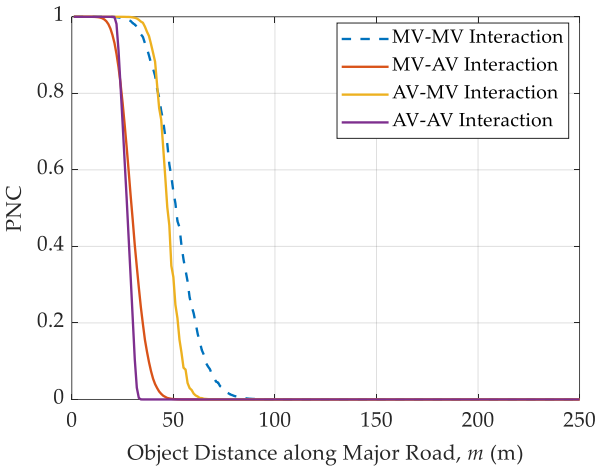



**(e) Right Turn LHS SDT**

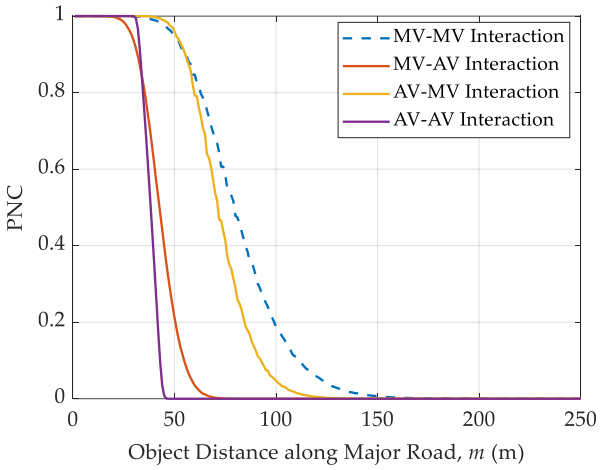
**Figure S62**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 120 km/hr. and $n$ = 2)



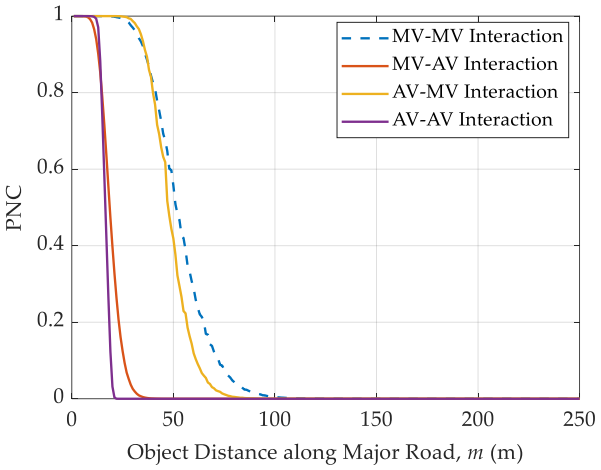

**(a) Crossing LHS SDT**



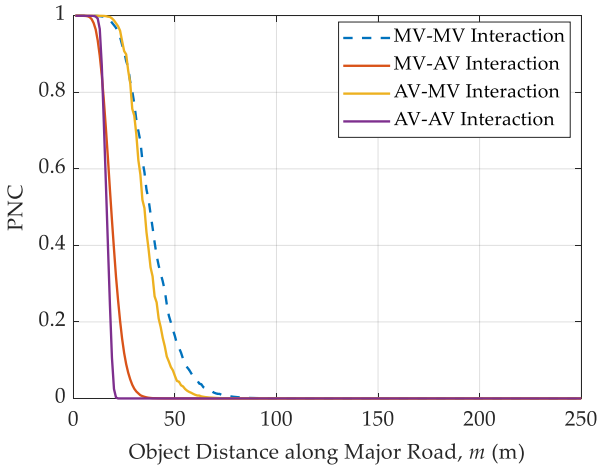

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

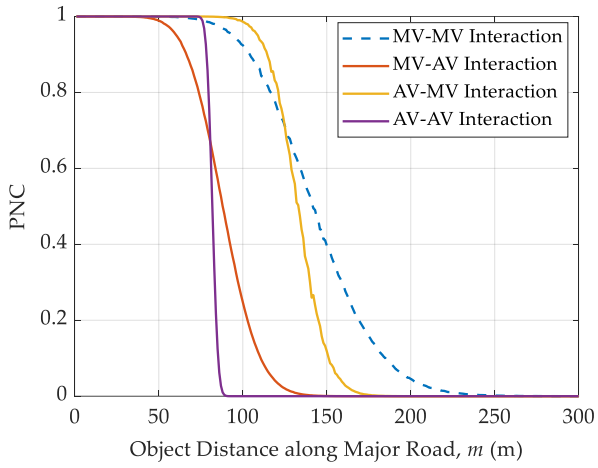



**(d) Left Turn RHS SDT**

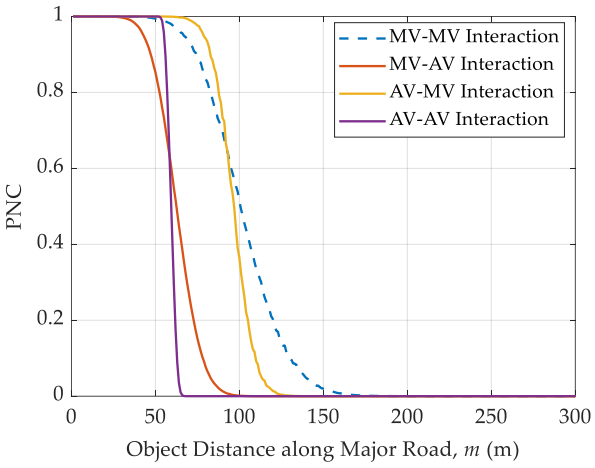



**(e) Right Turn LHS SDT**

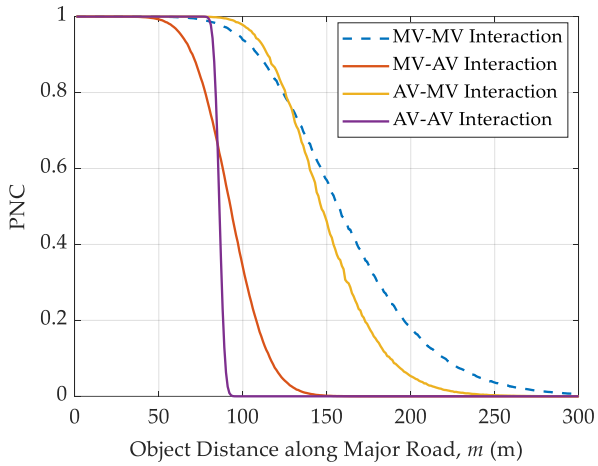
**Figure S63**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 120 km/hr. and $n$ = 3)



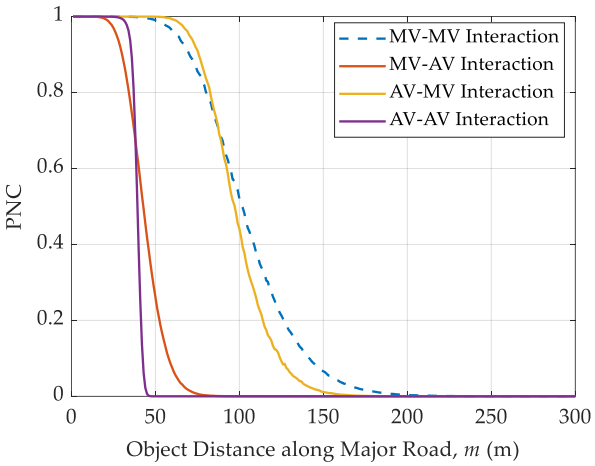

**(a) Crossing LHS SDT**



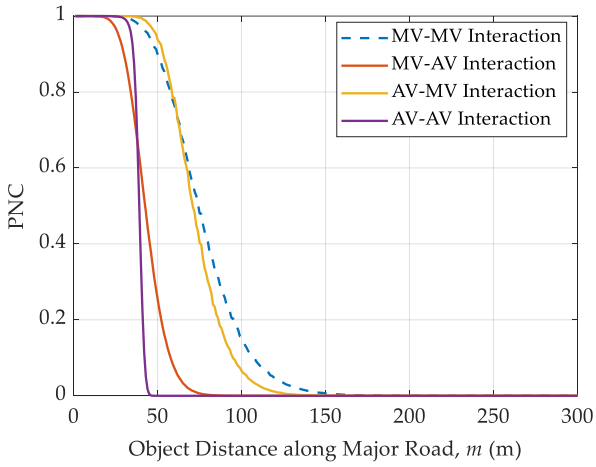

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

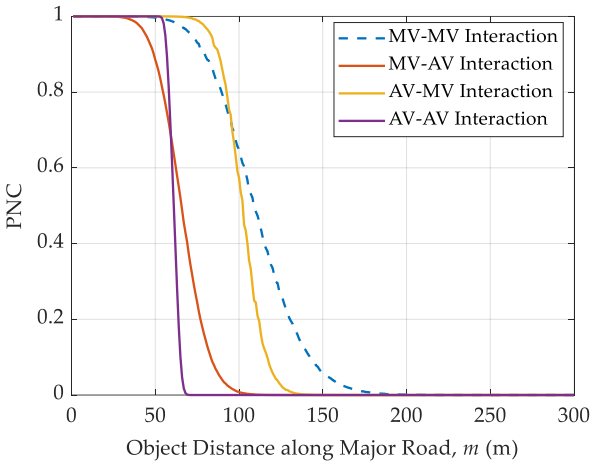



**(d) Left Turn RHS SDT**

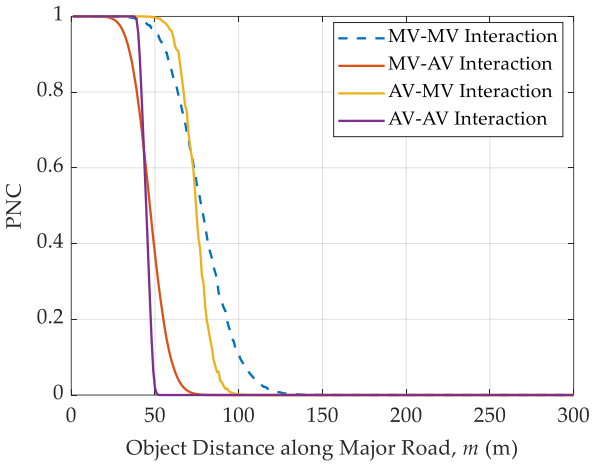



**(e) Right Turn LHS SDT**

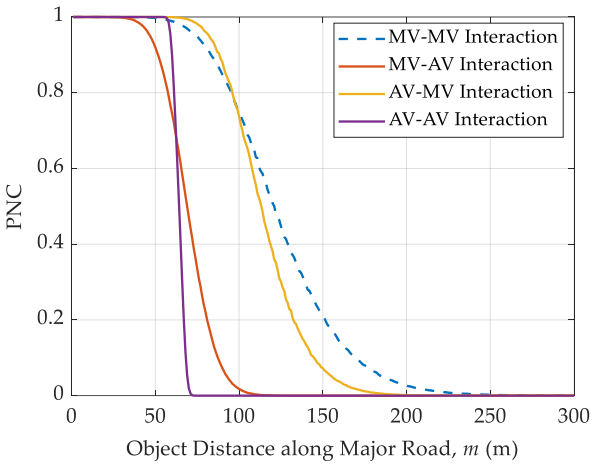
**Figure S64**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 130 km/hr. and $n$ = 1)



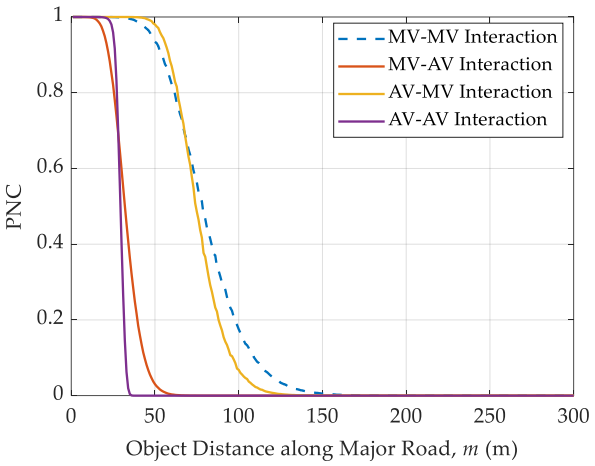

**(a) Crossing LHS SDT**



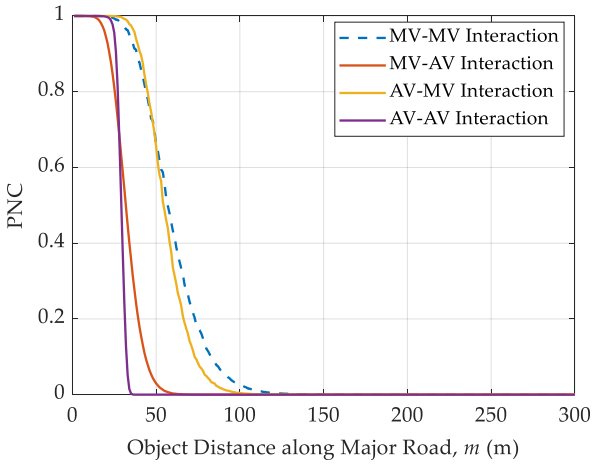

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**

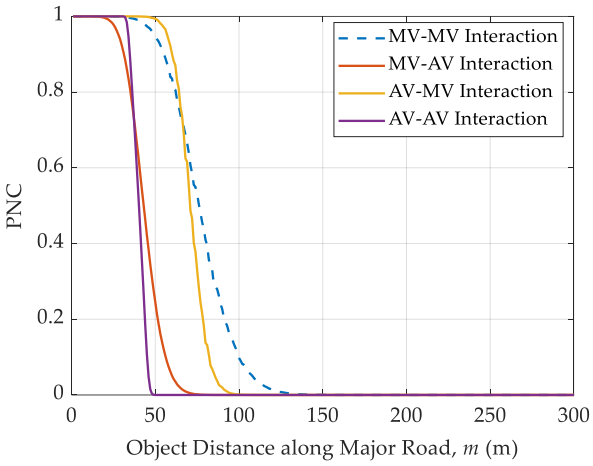



**(d) Left Turn RHS SDT**

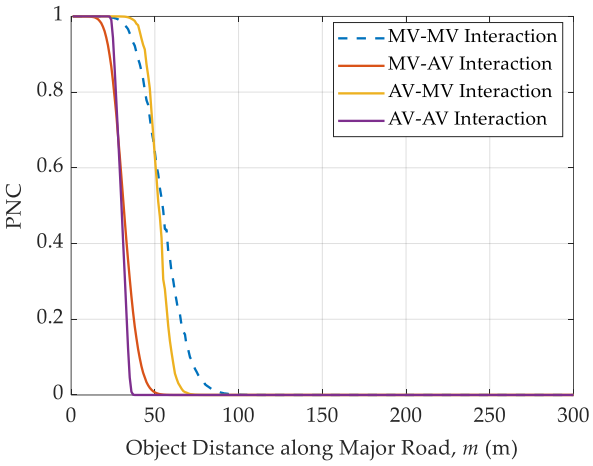



**(e) Right Turn LHS SDT**

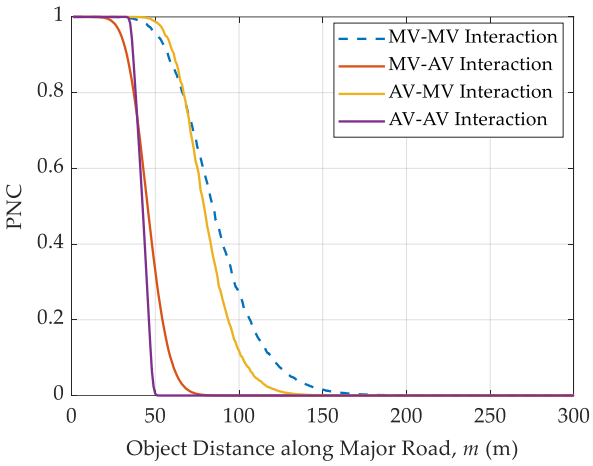
**Figure S65**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 130 km/hr. and $n$ = 2)



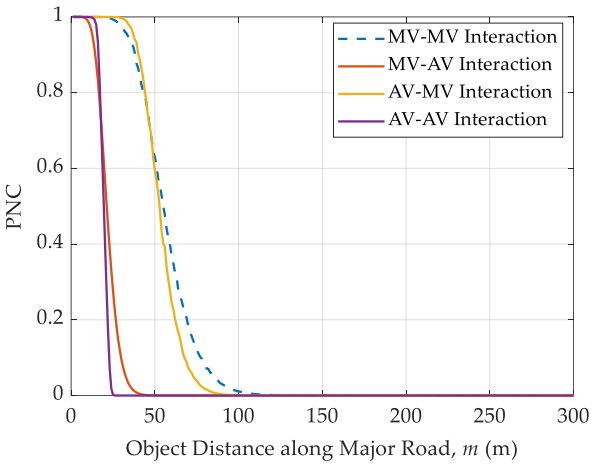

**(a) Crossing LHS SDT**



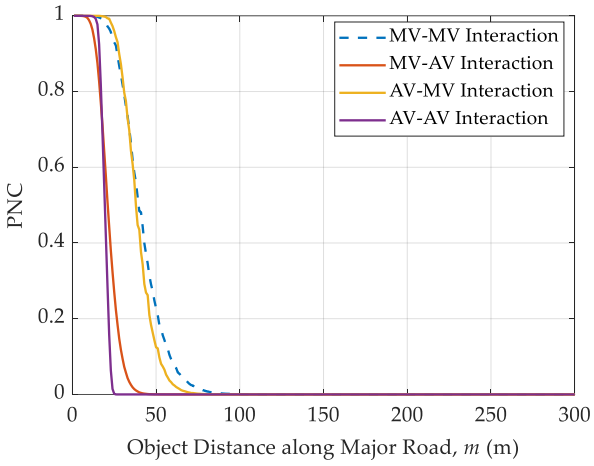

**(b) Crossing RHS SDT**




**(c) Left Turn LHS SDT**




**(d) Left Turn RHS SDT**




**(e) Right Turn LHS SDT**

**Figure S66**: Adjusted PNC for Changing Object Distance along the Major Roadway for SDTs (Original $v_m$ = 130 km/hr. and $n$ = 3)