

## **ERROL C. NOEL, Ph.D., P.E., FASCE**

**Professor and Transportation Engineer  
Chair, Department of Civil Engineering**

### **SUMMARY OF EXPERIENCE**

Dr. Noel is a tenured full professor and Chair of the Department of Civil Engineering at Howard University, and the Director of the Howard University Transportation Research Center. He is a member of the Graduate Faculty of Howard University, teaches graduate and undergraduate courses in traffic and highway engineering, project management, and engineering systems analysis, and has been continuously involved as principal investigator on numerous sponsored research projects. Dr. Noel has previously served as a consultant to several firms in the Baltimore-Washington metropolitan area, and as vice president of a regional consulting corporation where he managed the transportation engineering and research division for several years. Over the last thirty years, Dr. Noel has been responsible for a number of research and transportation engineering projects involving traffic operations, traffic safety, highway design, and transit studies. His engineering experience covers such areas as traffic simulations, evaluation of signal preemption systems for emergency vehicles, traffic signal design, traffic calming, highway design, evaluation of traffic control and management systems, incident management, ITS studies, development of training courses, ride quality of pavements, residential vibration by traffic, transportation for the elderly and the physically-challenged persons, pedestrian accommodations, work zone safety, camera-based traffic enforcement, and countdown pedestrian signals. Dr. Noel has written more than fifty technical reports and refereed publications.

### **EDUCATION**

1972 B.S., Civil Engineering, Transportation Engineering, Howard University

1974 M.E., Civil Engineering, Transportation Engineering, Howard University

1978 Ph.D., Civil Engineering, Traffic and Transportation Engineering, University of Maryland, College Park

### **PROFESSIONAL REGISTRATION**

Registered Professional Engineer: 1989, District of Columbia

### **PROFESSIONAL MEMBERSHIPS**

- Transportation Research Board
- Institute of Transportation Engineers
- American Society of Civil Engineers
- American Society for Engineering Education

### **PUBLICATIONS**

1. Noel, E.C., and Arhin, S.A., District of Columbia Traffic Calming Policies and Guidelines, D.C. Department of Transportation, May 2002.
2. Noel, E.C. and Arhin, S.A., "Description of Traffic Calming Measures," D.C. Department of Transportation, May 2002.
3. Noel, E.C., and Arhin, S.A., Guidelines for Design of Traffic Calming Measures, D.C. Department of Transportation, June 2005.
4. Noel, E.C., Arhin, S.A., and Tran, T., Guidelines for Use of Red Light Cameras in The District of Columbia, May 2006.

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5. Noel, Errol C., Work Area Traffic Control Manual, DC Department of Public Works, 2000.
6. Noel, Errol C., "Violation Rate and Violation Probability: A Comparative Analysis", ITE Journal, Vol. 54 No. 84, August 1984. Refereed paper since APT promotion, 1982.
7. Owolabi, Babatunde and Noel, Errol C., "The Right Turn Red Arrow", ITE Journal, Vol. 55, No. 2, February 1985. Refereed paper since APT promotion, 1982.
8. Noel, Errol C. and Graye, Eric S., Consolidating Elderly and Handicapped Transportation Services: Analysis of Issues, UMTA-DC-11-0016, U.S. Department of Transportation, August 1983.
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10. Noel, Errol C., Analysis of Subsidization Characteristics of Amtrak and Foreign Intercity Rail Passenger Systems, Federal Railroad Administration, U.S. Department of Transportation, January, 1986.
11. Noel, Errol C., Infrastructure Project Implementation in Grenada, Vol. 5, Department of Economic Affairs, Organization of American States (OAS), Washington, DC, November 1984.
12. Noel, Errol C., et al., Park-and-Ride Facilities: Guidelines for Planning, Design and Operation, Report No. DTFH61-84-C-00070, Federal Highway Administration, U.S. Department of Transportation, January 1986.
13. Noel, Errol C., et al., Trends in Highway Information, Report No. FHWA-RD-88-055, Federal Highway Safety Administration, July 1988.
14. Noel, Errol C. et al Speed Control Through Work Zones: Techniques Evaluation, Report NO. FHWA-IP-87-4, Federal Highway Administration, February 1987.
15. Noel, Errol, C. et al Program Evaluation of Urban Transportation Planning System (UTPS), Report No. DTUM60-88C-71321, Urban Mass Transportation Administration, April 1987.
16. Noel, Errol C. et al "Speed Control at Work zones, ITE Journal, Vol. 58, No. 1., January 1988.
17. Noel, Errol C. et al. "Speed Control Through Freeway Work zones: Techniques Evaluation," Transportation Research Record, #1163. July 1988.
18. Noel, Errol C. and Chadda, H.S., "Consolidating Elderly and Handicapped Transportation Services," Transportation Quarterly, Vol. 41, No. 2, April 1987.
19. Noel, Errol C. "Implementation and Operation of Park-and-Ride Lots," Transportation Research Record, No.12-32, 1989.
20. Noel, Errol C. et al. "Speed Control Through Freeway Work Zones: Techniques Evaluation," Paper presented at the 67th Annual Meeting of the TRB, January 11-14,1989.
21. Noel, Errol C. "Park-and-Ride: Alive, Well, and Expanding in the United States," ASCE Journal of Urban Planning and Development, Vol. 114, No. 1, June 1988.
22. Noel, E.C., Sabra, Z.A., and Dudek, C.L., Synthesis: Selection and Application of Flashing Arrow Panels, Report No. DETFH61-88-X-0000701, Federal Highway Administration, Washington, DC, December 1988.
23. Noel, E.C., Sabra, Z.A., and Dudek, C.L., Synthesis: Barrier Delineation Treatments Used in Work Zones, Report No. DTFH61-88-X-00007-2, Federal Highway Administration, Washington, D.C., December 1988.
24. Noel, E.C., Sabra, Z.A., and Dudek, C.L., Synthesis: Work Zone Pedestrian Protection, Report No. DTFH61-88-X-00007-3, Federal Highway Administration, Washington, DC, January 1989.
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27. Noel, E.C. Work Zone Traffic Control Information Catalog, Report No. FHWA-TS-90-026, Federal Highway Administration, Washington, D.C., January 1990.
28. Noel, E.C., "Practices and Needs in Work Zone Pedestrian Safety," Transportation Research Record, No. 1352, October, 1992.

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29. Noel, E.C., "Concrete Barrier Delineation: Assessment of Practices and Needs," Transportation Quarterly, Vol.45, No.1, January 1991.
30. Noel, E.C., "Safety and Operational Impacts of Minicars," Accepted for publication in the Transportation Quarterly, April, 1993.
31. Noel, E.C., "Protecting Pedestrians in Work Zones: Role for the MUTCD," Proceedings of the Symposium on Work Zone Traffic Control, Report No. FHWA-TS-91-003, June 1991.
32. Noel, E.C. et al., Safety and operational Impacts of Minicars, Report No. FHWA-RD-92-027, Federal Highway Administration, Washington, D.C., January 1992.
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