

Pavement Design & Performance Research Reports

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| RR-011 | The Design of Concrete Pavements for Postwar Construction | Michigan State Hwy Dept. | Mar-45 |
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| SPR-427R | Transverse Crackin of New Concrete Pavement: M-37 from Ballards to Casnovia (Projects BF 41033D, C7U & C8/R; BF 41033E, C9U & C10R; BF 61171A, C1U) | O. L. Lindy | Dec-63 |
| SPR-428 | Construction of Michigan's Experimental Transverse Joint Project, I-96 from Meridian Road to Wallace Road (Projects EBI 33084, C5 and C7; EBI 33085, C1) | J. E. Simonsen | Jan-64 |
| SPR-429 | Barrett Urethane Rigid Foam Joint Filler | A. J. Permoda | May-63 |
| SPR-431 | Summaries of Michigan Pavement Roughness, 1962 Test Program | P. M. Schafer | Oct-63 |
| SPR-437 | Permalastic "J-Seal PX-1424" Two-Component Joint Sealant | A. J. Permoda | Sep-63 |
| SPR-439 | Progress Report on Salt Stabilized Sections of M-46 (Howard City to Newaygo), 1963 Surveys and Testing | R. C. Mainfort | Oct-63 |
| SPR-447 | Summary of Bituminous Concrete Skid Test Data Relative to Materials | M. G. Brown | Jan-64 |

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| SPR-448 | Failure and Repair of Experimental Continuously Reinforced Concrete Pavement: I-96 Portland Road to M-66 | J. E. Simonsen | Mar-64 |
| SPR-452 | Progress Report on the Experimental Transverse Joint Project I-96 from Meridian Road to Wallace Road | L. T. Oehler | Feb-64 |
| SPR-455 | Installation and First Inspection of Experimental Joint Sealants on I-496 (Construction Projects I 33045D, C1, S12 and S14 of 33045D) I-496-7(4) 146 | A. J. Permoda | Apr-64 |
| SPR-456 | Failure of I-94 Joint Sealants: Mt. Clemens to Marysville | M. G. Brown, D. F. Simmons | Apr-64 |
| SPR-459 | Michigan's Experiment in Using "Unitubes" to Form Transverse Joints (Construction Project EBI 33084, C7) | J. E. Simonsen, L. T. Oehler | Apr-64 |
| SPR-461 | Skid Test Results at High-Accident Intersections: Districts 1 through 10-1963 Test Program | P. M. Schafer, C. D. Church | May-64 |
| SPR-465 | Pavement Evaluation of I-94 Control Section 82021; Detroit Industrial Expressway from Rawsonville Road (Washtenaw-Wayne County Line) to Hannan Road | F. Copple | Jul-64 |
| SPR-468 | Contract Resealing of Transverse Joints: Sealing and Performance of 1963 Maintenance Projects | D. F. Simmons, J. E. Simonsen | Sep-64 |
| SPR-473 | Early Scaling of Concrete Pavement: US-41 Marquette Bypass (Construction Project U 52042E, C8) | M. G. Brown, R. H. Merrill | Nov-64 |
| SPR-474 | Galvanized (Zinc Alloy) Steel Base Plates for Joints | O. L. Lindy | Sep-64 |

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| SPR-477 | Test Application and First Inspection of Koppers Concrete Sealer on Northbound I-496 over GTW RR (X06 of 33045) | F. J. Bashore, R. H. Merrill | Sep-64 |
| SPR-479 | Summary of Laboratory Evaluation of "Silexore" Protective Coatings for Concrete | M. G. Brown | Oct-64 |
| SPR-481 | Thermoplastic Pavement Marking on W. P. Chrysler Freeway (Projects BI 82111C, C24; BI 82251C, C34) | A. J. Permoda | Nov-64 |
| SPR-484 | Performance of Extruded Neoprene Joint Sealer: I-96 from Waverly Road to M-99 (Construction Project EBACI 33083A C1) | C. C. Rhodes, J. E. Simonsen, D. F. Simmons | Nov-64 |
| SPR-485R | Evaluation of Hook Bolts for Longitudinal Bulkhead Construction Joints | J. E. Simonsen, P. Milliman | Jan-65 |
| SPR-487 | Construction and Sealing of Transverse Contraction Joints Containing Acme Load Transfer Assemblies | J. E. Simonsen | Dec-64 |
| SPR-488 | Study of Defective Concrete in Structures on US-2 West of Watersmeet (B02, B03, B04 of 27023B) | R. H. Merrill | Dec-64 |
| SPR-491 | Progress Report on Salt Stabilized Sections of M-46 (Howard City to Newaygo): 1964 Surveys and Testing | R. C. Mainfort | Jan-65 |
| SPR-493 | Performance of Hot-Poured and Cold-Applied Joint Sealers | C. C. Rhodes, L. T. Oehler | Feb-65 |
| SPR-496R | Evaluation of Two-Component, Cold-Pour Joint Sealing in I-75 Rest Areas: Construction Projects I 25032C, C7; BI 73171C, C19; I 09034C, C10 Federal Designations I-75-2(89), I-75-2(90), I-75-2(91) | D. F. Simmons | Mar-65 |

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| SPR-507 | Test Rod Skidometer Data for the 1964 Test Year | P. M. Schafer | Apr-65 |
| SPR-518 | Evaluation of "Ethaforam" Proposed Joint Sealer | M. G. Brown | May-65 |
| SPR-521 | Skid Proofing Treatments at South Cedar Street (US-127) Intersections with Holmes Road and Baker Street in Lansing | R. H. Merrill | Jun-65 |
| SPR-523 | Pavement Evaluation of I-94 Control Section 82022: Detroit Industrial Expressway from Ozga Road to US-24 Telegraph Road | F. Copple | Jun-65 |
| SPR-525 | Failures of Two-Component, Cold-Pour Joint Sealant in New Pavement Construction | F. J. Bashore | Jun-65 |
| SPR-526 | Summaries of Michigan Pavement Roughness: 1963-64 Test Program | P. M. Schafer | Jun-65 |
| SPR-528 | Met-Fiber Joint-Forming Material | L. T. Oehler | Jun-65 |
| SPR-533 | Inspection of Pavement Joint Blowup on US-131 North of Grand Rapids (Construction Project 41-90, C4) | F. Copple | Jul-65 |
| SPR-536 | Joint Failures on Eastbound I-94, Parma to Jackson (Construction Project 38-48, C9) | J. E. Simonsen | Jul-65 |
| SPR-539 | Pavement Evaluation of I-94 Control Sections 81041, 81062, and 81063: Detroit Industrial Expressway from Carpenter Road to Rawsonville Road (Washtenaw-Wayne County Line) | F. Copple | Jun-65 |

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| SPR-541 | US-127 Blowup South of Jackson (Construction Project 38-7, C5) | J. E. Simonsen | Sep-65 |
| SPR-543 | Evaluation of Expansion-Contraction Joint Construction Methods: M-153 North of Ypsilanti (Construction Project F 81121A, C2) | J. E. Simonsen | Sep-65 |
| SPR-545 | Joint Blowup, I-94 East of US-127 Bypass, Jackson County | F. Cople | Sep-65 |
| SPR-548 | Fifth Progress Report on Salt Stabilized Sections of M-46 (Howard City to Newaygo): 1965 Surveys and Testing | R. C. Mainfort | Sep-65 |
| SPR-555 | Inspection of Pavement Joints on US-127, Hillsdale County | F. Cople | Mar-66 |
| SPR-557 | Grade Separation Carrying Eight Mile Rd over the Couzens Expressway (I-696) | A. J. Permoda, W. L. Frederick | Oct-65 |
| SPR-560 | Progress Report on Thermoplastic Pavement Markings on W. P. Chrysler Freeway (Projects BI 82111C, C24; BI 82251C,C34) | A. J. Permoda | Nov-65 |
| SPR-561R | Prestressed Concrete Beam Construction Practice | C. J. Arnold | Mar-66 |
| SPR-563 | Performance of Joint Sealants Used in 1964-65 Michigan Construction | J. E. Simonsen, F. J. Bashore | Dec-65 |
| SPR-566R | Slab Faulting Measurements at Blowup Repairs on I-94 near Jackson | E. A. Finney | Feb-66 |

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| SPR-567 | 1965 Failure and Repair of Continuously Reinforced Experimental Pavement: I-96 from Portland Road to M-66 | J. E. Simonsen | Feb-66 |
| SPR-570 | Summaries of Michigan Pavement Roughness: 1965 Test Program | P. T. Luce | Jun-66 |
| SPR-582 | An Appraisal of Transverse Joint Base Plates | E. A. Finney | Jun-66 |
| SPR-585 | Summaries of Michigan Pavement Skid Resistance: 1965 Test Program | P. M. Schafer | Jun-66 |
| SPR-592 | Compaction Control of a Major Construction Project With the Michigan Nuclear Gage: US-127 Relocation, Holt Road to I-96 (F 33035B, C1 BI 33084A, C21) | J. H. Defoe, R. C. Mainfort | Nov-66 |
| SPR-594 | Presstite Tape for Protection of New Joints Before Sealing | F. Copple | Aug-66 |
| SPR-609 | Procedure for Design of Continuously Reinforced Concrete Pavements | F. Copple | Oct-66 |
| SPR-622 | Investigation of Pavement Damage Caused by Gasoline Truck Fire on Northbound US-23 near Fenton (Construction Project 25031, C2) | H. L. Patterson | Jan-67 |
| SPR-623 | Investigation of Concrete Pavement Cracking on the Southbound I-75 Fisher Freeway (Sta. 987+00 to 990+00, Construction Project BI 82194E, C4) | H. L. Patterson | Feb-67 |
| SPR-625 | Performance of Joint Sealants Used in 1964, 1965, and 1966 Michigan Construction | F. J. Bashore | Mar-67 |

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| SPR-630 | Laboratory Testing of Bituminous Base Course Samples: I-75 North of Wolverine (Construction Project EBI 16093), C3RN | R. C. Mainfort, E. C. Novak | Mar-67 |
| SPR-631 | Summaries of Michigan Pavement Skid Resistance: 1966 Test Program | P. M. Schafer | Apr-67 |
| SPR-632 | Summaries of Michigan Pavement Roughness: 1966 Test Program | P. T. Luce | Apr-67 |
| SPR-633 | Method of Test and Equipment for Measurement of Pavement Skid Resistance | N/A | Apr-67 |
| SPR-634 | Final Report on Michigan Experimental Transverse Joint Project | J. E. Simonsen | Sep-67 |
| SPR-636 | Low Compressive Strength of Concrete Pavement Cores from the Eastbound I 75-Fisher Freeway (Sta. 1101+07 to 1101+70, construction Project BI 82194H, C21, Part1) | H. L. Patterson | May-67 |
| SPR-641 | Application of Instrumental Methods for Evaluating Highway Materials: Second Progress Report; Detection and Determination of Ground, Cured Scrap Rubber in Hot- Poured Joint Sealers | W. L. Frederick, R. J. Matel | Dec-67 |
| SPR-642 | Effect of De-Icing Chemicals on Air-Entrained Concrete at Early Ages | P. T. Luce | Jul-67 |
| SPR-646 | Inspection Report of Field Applications of "Speed Crete" Patching Mixtures | M. G. Brown | Aug-67 |
| SPR-651 | Investigation of Foreign Material Embedded in the Continuously Reinforced Concrete Pavement of the Seaway Freeway (I-75) Construction Project I82194A | L. T. Oehler | Aug-67 |

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| SPR-654 | Extrusion of Neoprene Seals from Expansion Joints in Concrete Pavement | F. J. Bashore | Sep-67 |
| SPR-657R | Investigation of Concrete Pavement Cores from the Northbound I-75 Freeway | H. L. Patterson | Dec-67 |
| SPR-668 | Procedures for Repairing Continuously Reinforced Concrete Pavements | J. E. Simonsen | Mar-68 |
| SPR-670 | Performance of Joint Sealants Used in 1964 Through 1967 Michigan Construction, Third Annual Report | F. J. Bashore | Apr-68 |
| SPR-674 | Summaries of Michigan Pavement Skid Resistance – 1967 Test Program | P. M. Schafer | Jul-68 |
| SPR-675 | Summaries of Michigan Pavement Roughness – 1967 Test Program | R. L. Felter, P. T. Luce | May-68 |
| SPR-676 | Second Inspection Report of Field Application of “Speed Crete” Patching Mixtures | M. G. Brown | Jun-68 |
| SPR-677 | The Effect of Slab Warpage on Stresses at Contraction Joints | E. L. Marvin | Aug-68 |
| SPR-680 | Pavement Damage Related to Tire Studs | F. Copple | Oct-68 |
| SPR-686 | Expansion Joint Spalling on I-75 | L. T. Oehler | Oct-68 |

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| SPR-687 | Protection of Substructure Concrete from Staining by A 588 Type Steel During Construction | A. J. Permoda | Oct-68 |
| SPR-693A | Joint Spalling on State Project BI 49025G, C22, Mackinac County on I-85 from Junction with M-134 Northerly 6.9 Miles | L. T. Oehler | Aug-68 |
| SPR-693B | Joint Repairs on M-59 near Howell | L. T. Oehler | Feb-69 |
| SPR-697 | Summaries of Michigan Pavement Roughness; 1968 Test Program | R. L. Felter | May-69 |
| SPR-700 | Pavement Cracking on I-75 in Hamtramck | R. L. Felter | May-69 |
| SPR-703 | Continuously Reinforced Concrete Pavement: Welded Bar Mat Reinforcement | J. E. Simonsen | Jun-69 |
| SPR-704 | Summaries of Michigan Pavement Skid Resistance; 1968 Test Program | Physical Research Unit | Aug-69 |
| SPR-706 | Third Progress Report on Thermoplastic Pavement Markings on W. P. Chrysler Freeway | A. J. Permoda | Jun-69 |
| SPR-711 | Performance of Michigan's Postwar Concrete Pavement | L. T. Oehler, L. F. Holbrook | Jun-69 |
| SPR-716 | Protection of Substructure Concrete from A588 Steel Staining by Use of an Aluminum- Pigmented Coating | L. T. Oehler | Aug-69 |

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| SPR-718 | Joint Load Transfer Test Road to Evaluate Acme Load Transfer Assemblies, Plastic Coated Dowels, and End-of-Pour Construction Joint Assemblies | L. T. Oehler | Oct-69 |
| SPR-721 | Summary of Highway Department Concern in Connection with the Use of Tire Studs | L. T. Oehler | Dec-69 |
| SPR-723 | Determination of Cement Content of Hardened Slag Concrete | W. J. Frederick, J. T. Ellis, V. J. Troms, R. J. Matel | Jul-70 |
| SPR-725 | Investigation of Pavement Damage by Gasoline Truck Fires to M-20, (Control Section 56023), City of Midland and US-27 (Control Section 37017, C4), South of Mt. Pleasant | H. L. Patterson | Jan-70 |
| SPR-733 | Studded Tire Survey, Winter 1970 | F. Copple | Mar-70 |
| SPR-737 | Construction of Joint Load Transfer Test Road to Evaluate Acme Load Transfer Assemblies, Plastic Coated Dowels and End-of-Pour Construction Joint Assemblies | J. E. Simonsen | Apr-70 |
| SPR-738 | Summaries of Michigan Pavement Roughness, 1969 Test Program | Michigan State Highway Commission | May-70 |
| SPR-743 | Pavement Joint Spacing in Portland Cement Concrete Pavements | L. T. Oehler | Jun-70 |
| SPR-747 | Michigan Department of State Highways Equipment for Measuring Pavement Skid Resistance | Michigan State Highway Commission | Feb-71 |
| SPR-748 | Summaries of Michigan Pavement Skid Resistance, 1969 Test Program | Michigan State Highway Commission | Aug-70 |

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| SPR-756 | Textured Concrete Pavement Surfaces | F. Copple | Nov-70 |
| SPR-761 | Summaries of Michigan Pavement Roughness, 1970 Test Program | Michigan State Highway Commission | Jan-71 |
| SPR-762 | Progress Report, Concrete Pavement Joint Repair with Pre-Cast Slabs | J. E. Simonsen | Apr-71 |
| SPR-763 | Concrete capping Study Final Report, Groesbeck Highway (Project F 50-7, C5) US-127 (project f 33-54, C2) | C. A. Zapata | Mar-71 |
| SPR-764 | Low Density Polyethylene Foam for Pressure Relief Joints | F. J. Bashore | Jan-71 |
| SPR-765 | Design Recommendation for Continuous Reinforced Pavements in Michigan | L. T. Oehler | Mar-71 |
| SPR-766 | Second Annual Studded Tire Survey, Winter 1970-71 | F. Copple | Apr-71 |
| SPR-770 | Extent of Gasoline Fire Damage to B02 or 63031, US-24 and US-10 Over the Franklin River in Bingham Farms | H. L. Patterson | Jul-71 |
| SPR-771 | Report on Ten-Year Service of Experimental Continuously Reinforced Concrete Pavement in Michigan | J. E. Simonsen, G. R. Cudney | Feb-72 |
| SPR-774 | Determination of Extent of Fire Damage to Span 7 of X03 of 25042 (Ramp B over GT&W RR and I-75 – M-78 Interchange Southwest of Flint) | H. L. Patterson | Aug-71 |

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| SPR-775 | A Survey of Vehicles Using Studded, Smooth, or Snow Tires in Michigan | F. Copple | Jul-71 |
| SPR-776 | Summaries of Michigan Pavement Skid Resistance, 1970 Test Program | Michigan State Highway Commission | Aug-71 |
| SPR-783 | Determination and Improvement of Relevant Pavement Skid Coefficients | F. Copple | Aug-71 |
| SPR-788 | Evaluation of Polyethylene Strip for Forming Centerline Joint, Final Report | M. H. Janson, W. L. Frederick | Oct-71 |
| SPR-789 | Survey of Pavement Joint Conditions | J. E. Simonsen | Oct-71 |
| SPR-790R | Recommendations Concerning Concrete Pavement Design and Maintenance | Michigan State Highway Commission | Nov-71 |
| SPR-804 | Construction Report on Concrete Pavement Joint Repair with Pre-Cast Slabs | J. E. Simonsen | Feb-72 |
| SPR-809 | Skid Testing of Seal Coats | L. T. Oehler | Mar-72 |
| SPR-813 | Evaluation of Thermoplastic Pavement Markings Applied in the Lansing Area in 1968 and 1969 | A. J. Permoda, A. R. Gabel | Apr-72 |
| SPR-815 | Hydroplaning on Highways | F. Copple | May-72 |

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| SPR-817 | Field Evaluation of Acid-Treated Open Hearth Slag Base Course (I-75 Dearborn Street Interchange) | J. H. DeFoe, R. C. Mainfort | Jun-72 |
| SPR-827 | Investigation of Low and Erratic Concrete Pavement Core Compressive Strength | H. L. Patterson, M. G. Brown | Feb-73 |
| SPR-831 | Summaries of Michigan Pavement Skid Resistance, 1971 Test Program | Michigan State Highway Commission | Sep-72 |
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| SPR-838 | Joint Repair by Epoxy Injection | J. E. Simonsen | Nov-72 |
| SPR-839 | Laboratory Evaluation of Type 190 Preformed Neoprene Joint Seal and Lubricant Adhesives in Skewed Bridge Joints | F. J. Bashore | Nov-72 |
| SPR-842 | Experimental Concrete Pavement Ramps Construction Report | C. J. Arnold, M. A. Chiunti | Jan-73 |
| SPR-852 | Experimental Steel-Fiber-Reinforced Concrete Overlay | C. J. Arnold, M. G. Brown | Apr-73 |
| SPR-855 | Random Observations on Performance of Highway Striping in Lansing During 1972-73 Winter | L. T. Oehler | Mar-73 |
| SPR-856 | PSI Values for I-94 from Telegraph to Wyoming | M. N. Clyde | Apr-73 |

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| SPR-859 | Preventive Maintenance of Concrete Pavements | J. E. Simonsen | Jun-73 |
| SPR-869 | Joint Failures on I-75 North of Flint | L. T. Oehler | Jul-73 |
| SPR-872 | Evaluation of Six Commercial Fast-Setting Hydraulic Patching Mortars, a Latex Bonding Agent, and an Epoxy Emulsion Admixture | W. K. Kruger, H. L. Patterson | Jul-73 |
| SPR-878 | Steel-Fiber-Reinforced Concrete Overlay | C. J. Arnold | Aug-73 |
| SPR-879 | Construction and Impact Testing of a Short Section of Experimental Concrete Glare Screen | C. J. Arnold, M. A. Chiunti | Aug-73 |
| SPR-883 | Summaries of Michigan Pavement Skid Resistance, 1972 Test Program | Michigan State Highway Commission | Sep-73 |
| SPR-885 | A Hot-Mix Asphalt Compaction Demonstration Experiment Comparing Vibratory and Conventional Rollers | C. A. Zapata | Oct-73 |
| SPR-887 | Annual Studded Tire Survey, Winter 1972-1973 | R. L. Felter, P. M. Schafer | Oct-73 |
| SPR-889 | Investigation of Narrow Width Reinforcing Mats and Longer Slabs with Slip-Form Paving | J. E. Simonsen | Oct-73 |
| SPR-895 | Faulting of Short Slab Concrete Pavements | C. J. Arnold | Dec-73 |

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| SPR-904 | Dow Two-Component Self Leveling Urethane Joint Sealant | F. J. Bashore, A. W. Price | Feb-74 |
| SPR-905 | General Evaluation of Current Concrete Pavement Performance in Michigan, Jointed Concrete Pavement Deterioration Considered as a Probability Process | L. F. Holbrook, W.H. Kuo | Mar-74 |
| SPR-910 | Evaluation of Load Transfer Assemblies (Progress Report) | J. E. Simonsen | Apr-74 |
| SPR-911 | Experimental Joint Spacing Project (Construction Report) | M. A. Chiunti | Apr-74 |
| SPR-913 | Field Inspections of One and Two-Stage Joint Sawing Procedures | F. J. Bashore | May-74 |
| SPR-925 | Experimental Concrete Pavement Ramps (Progress Report) | M. A. Chiunti | Jun-74 |
| SPR-926 | Evaluation of Riding Quality of Sandstone Hot Bituminous Mix | L. T. Oehler | Jun-74 |
| SPR-934 | Annual Studded Tire Survey, Winter 1973-1974 | R. L. Felter, P. M. Schafer | Aug-74 |
| SPR-944 | Summaries of Michigan Pavement Skid Resistance, 1973 Test Program | Michigan State Highway Commission | Oct-74 |
| SPR-949 | Pressure-Induced Failures in Jointed Concrete Pavements and a Machine for Installation of Pressure Relief Joints | C. J. Arnold | Dec-74 |

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| SPR-962 | Transverse Cracking Reflected Through Asphaltic Concrete Resurfacing | C. A. Zapata | May-75 |
| SPR-968 | Development of Procedures for Replacing Joints in Concrete Pavement | J. E. Simonsen | Aug-75 |
| SPR-970 | An Evaluation of Pavement Wear Caused by Perma-T-Gripper Tire Studs | F. Copple | Aug-75 |
| SPR-972 | Reinforcement of Asphaltic Concrete Overlays with Petromat Fabric | C. A. Zapata, L. M. Bateman | Sep-75 |
| SPR-973 | “Pozicon” Fly-Ash Pavement Concrete – Development Work (Second Progress Report) | H. L. Patterson | Nov-75 |
| SPR-974 | Experimental Field Application of “Pozicon” Fly Ash in the Median Barrier of I-75 Near the City of Flint | H. J. Patterson | Apr-76 |
| SPR-975 | Evaluation of a Model for Predicting Transverse Cracking of Flexible Pavement | E. C. Novak, Jr. | Feb-76 |
| SPR-977 | Design of Binder Course Bituminous Concrete Pavement Mixtures | E. C. Novak, Jr. | Oct-75 |
| SPR-982 | Summaries of Michigan Pavement Skid Resistance, 1974 Test Program | Michigan State Highway Commission | Nov-75 |

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| SPR-993 | Strength Comparison Between Water Reducer Concretes of Portland-Pozzolan and Type 1A Cements | H. L. Patterson | Mar-76 |
| SPR-994 | Accident Rates and Surface Properties – An Investigation of Relationships | L. R. Holbrook | Oct-76 |
| SPR-996 | Comparative Performance of Contraction Joints on I-75, Saginaw and Genesee Counties | F. Copple | Apr-76 |
| SPR-997 | Investigation of Straw Fire Damage to CRCP, I-96 Near Novi (I 63191-03586A) | W. K. Kruger | Apr-76 |
| SPR-999 | CMI Autograde Pavement Profiler | F. Copple | May-76 |
| SPR-1011 | Fracture Toughness and Fatigue Properties of Steel Plate Butt Joints Welded by Submerged Arc and Electroslag Welding Procedures | J. D. Culp | May-76 |
| SPR-1016 | Experimental Short Slab Pavements (Construction Report) | M. A. Chiunti | Aug-76 |
| SPR-1020 | Development of Procedures for Replacing Joints in Concrete Pavement, Final Report | J. E. Simonsen | Sep-76 |
| SPR-1028 | Study of Deck Concrete in S03 of 64014, US-31 under Winston Road West of Rothbury | M. G. Brown | Nov-76 |
| SPR-1030 | Performance Evaluation of Trinidad Asphalt Cement for Bituminous Concrete Resurfacing | C. A. Zapata | Nov-76 |

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| SPR-1038 | Determination and Improvement of Relevant Pavement Skid Coefficients | F. Copple, P. T. Luce | Jan-77 |
| SPR-1041 | Drainage and Foundation Studies for an Experimental Short Slab Pavement | T. M. Green, E. C. Novak, Jr. | Feb-77 |
| SPR-1043 | Edge Marking Criteria from Contrast Ratios | G. M. Smith | Feb-77 |
| SPR-1044 | Construction of a Cold-Mix Emulsion Black Base | G. F. Sweeney | Feb-77 |
| SPR-1046 | Comparison Study on the Performance of Bituminous Stabilized Bases (M-66 and M-20) | F. T. Hsia | Feb-77 |
| SPR-1048 | Evaluation of Cold-Mix Emulsion Black Base (M-150 and Auburn Road, Oakland County) | J. D. DeFoe | Feb-77 |
| SPR-1049 | Summaries of Michigan Pavement Skid Resistance, 1975 Test Program, MDSHT Report No. 249 | Michigan State Highway Commission | Feb-77 |
| SPR-1053 | Experimental Lightweight Fill, Construction Report | E. C. Novak, Jr. | Mar-77 |
| SPR-1057 | Evaluation of Five Commercial Fast-Setting Patching Mortars | K. H. Laaninen | Mar-77 |
| SPR-1063 | Preventive Maintenance of Concrete Pavement - US-127, Progress Report | J. E. Simonsen | Jun-77 |

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| SPR-1065 | Maintenance of Neoprene Sealed Concrete Pavements, First Progress Report | J. E. Simonsen, F. J. Bashore, A. W. Price | Jul-77 |
| SPR-1080 | Petrographic Analysis of Coarse Aggregate: Champion , Inc., Moon Lake Pit No. 22-4 | R. W. Muethel | Jan-78 |
| SPR-1081 | A Report on the Cause of Deterioration of Sections of Flexible I-94 Pavement | E. C. Novak, Jr. | Feb-78 |
| SPR-1085 | Summaries of Michigan Pavement Skid Resistance, 1976 Test Program | Michigan State Highway Commission | Mar-78 |
| SPR-1089 | Use of Recycled Asphalt Surface Material in the Construction of a Bituminous Stabilized Base, I-75, Cheboygan County, Construction Report | J. H. DeFoe, G. F. Sweeney | Apr-78 |
| SPR-1094 | A Statistical Analysis of Potential Relationships Between Selected Concrete and Aggregate Properties and Concrete Pavement Performance | W. H. Kuo | Jul-78 |
| SPR-1096 | Condition of "Elastizell" Lightweight Concrete Backfills After One Year in Place, First Progress Report | T. M. Green, E. C. Novak, Jr. | Sep-78 |
| SPR-1097 | Study of Latex Modified concrete Deterioration on Wiard Road Over US-27 (S04 of 81063) | M. G. Brown | Sep-78 |
| SPR-1101 | Investigation of Parking Ramp Leakage Through the Upper Level Slab at the Capitol Complex | H. L. Patterson | Dec-78 |
| SPR-1103 | Inspection of Low Slump and Latex Modified Overlays on I-94 in the Detroit Area | M. G. Brown | Dec-78 |

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| SPR-1109 | Summaries of Michigan Pavement Friction Measurements, 1977 Test Program | P. M. Schafer | Apr-79 |
| SPR-1115 | Performance Evaluation of Non-Reinforced Ramps | L. T. Oehler | Apr-79 |
| SPR-1117 | Effectiveness of Infrared Joint Heaters for Bituminous Pavements | J. H. DeFoe | May-79 |
| SPR-1120 | Continuously Reinforced Concrete Pavement in Michigan, A Historical Summary | J. E. Simonsen | Jun-79 |
| SPR-1122 | Effectiveness of Neoprene Seals in Preventing Concrete Pavement Contraction Joint Deterioration | F. J. Bashore, A. W. Price | Jul-79 |
| SPR-1124 | A Study to Evaluate the Performance of Bituminous Wearing Course Containing Sandy Limestone, A Preliminary Report | R. W. Muethel | Jul-79 |
| SPR-1126 | Investigation of Pavement Problems on I-275 | Michigan Trans. Commission | Oct-79 |
| SPR-1127 | Texturing Existing Concrete Pavement | P. T. Luce | Oct-79 |
| SPR-1129 | Evaluation of Sulfur-Asphalt Binder Bituminous Paving Mixtures, Progress Report | J. H. DeFoe | Nov-79 |
| SPR-1134 | Evaluation of Sprinkle Treatment for Improving Skid Resistance of Asphalt Surfaces, Progress Report | J. H. DeFoe | Jan-80 |

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| SPR-1137 | Final Report on Joint Load Transfer Test Road to Evaluate Acme Load Transfer Assemblies, Plastic Coated Dowels and End-of-Pour Construction Joint Assemblies | J. E. Simonsen | Mar-80 |
| SPR-1140 | Summaries of Michigan Pavement Friction Measurements (1978 Test Program) | P. M. Schafer | Mar-80 |
| SPR-1141 | Preventive Maintenance of Concrete Pavements – US-27, Final Report | J. E. Simonsen | Apr-80 |
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| SPR-1151 | Performance of Several Types of Corrosion Resistant Load Transfer Bars, for as Much as 21 Years of Service in Concrete Pavements | C. J. Arnold | Aug-80 |
| SPR-1152 | Base and Subbase Properties Affecting Longitudinal Cracking of I-275 | Michigan Trans. Commission | Apr-81 |
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| #REF! | PCC Pavement Joint Restoration and Rehabilitation (Federal Highway Administration NEEP Project 27) (Construction Report) | J. E. Simonsen, F. J. Bashore, A. W. Price | Aug-81 |
| SPR-1183 | Evaluation of 'Monoslabs' for Paving Ditches and Service Drives (Final Report) | J. H. DeFoe | Nov-81 |
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| SPR-1191 | Early Cracking of a Bituminous Concrete Section of US-2 Located in District 2 | E. C. Novak, Jr. | Apr-82 |
| SPR-1194 | Frost Heave Investigation of I-275 | E. C. Novak, Jr. | Apr-82 |
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| SPR-1216 | Investigation of Steel Furnace Slag Open Graded Drainage Course Base on I-69 Airport Road Ramps | Michigan Trans. Commission | Mar-83 |
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| SPR-1231 | Evaluation of Cast-in-Place Joint Repairs in Concrete Pavement | C.A. Zapata | 7/1/1983 |
| SPR-1237 | Performance Evaluation of an Experimental Slurry Seal Emulsion as Filler of Deteriorated Longitudinal Joints in Concrete Pavement Being Prepared for Asphaltic Concrete Resurfacing | C. A. Zapata, D. L. Andrews, L. J. Pearson | Oct-83 |
| SPR-1242 | Field Trial of Continuous Asphalt Concrete Density Monitoring Devices, Final Report | J. H. DeFoe | Mar-84 |
| SPR-1243 | Performance Evaluation of Plastic Fabrics as Overlay Reinforcement to Control Reflection Cracking | C. A. Zapata, M. A. Chiunti, L. J. Pearson | Apr-84 |

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| SPR-1251 | Field Trial of Foamed Asphalt Stabilization, Final Report | Michigan Trans. Commission | Oct-84 |
| SPR-1254 | Investigation of Low Stability Bituminous Base Course US-131 Mecosta County (FF 54014-17762A), Final Report | J. H. DeFoe | Nov-84 |
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| SPR-1292 | Concrete Pavement Restoration – Construction Report | J. E. Simonsen, A. W. Price | Sep-88 |

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| #REF! | Comparison of Cracked and Uncracked Flexible Pavements in Michigan, Final Report | J. H. DeFoe | Oct-88 |
| SPR-1298 | PCC Pavement Joint Restoration and Rehabilitation (FHWA NEEP Project 27), Final Report | J. E. Simonsen, A. W. Price | Jun-89 |
| SPR-1300 | Field Evaluation of Experimental Fabrics to Prevent Reflective Cracking in Bituminous Resurfacing, Final Report | V. T. Barnhart | Jul-89 |
| SPR-1303 | Performance Evaluation of Concrete Pavement Overlays, Final Report | J. E. Simonsen, A. W. Price | Dec-89 |
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| SPR-1307 | Evaluation of Tensar Bituminous Pavement Reinforcement, Final Report | J. H. DeFoe | Oct-90 |
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| SPR-1333 | Construction of European Concrete Pavement on Northbound I-75 – Detroit, Michigan | J. A. Weinfurter, D. L. Smiley, R. D. Till | Sep-94 |
| #REF! | Evaluation of Glasgrid Bituminous Pavement Reinforcement Mesh and a Bituminous Separation Course With and Without Latex | V. T. Barnhart | Oct-95 |

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| SPR-1343B | Third Year Performance of European Concrete Pavement on Northbound I-75, Detroit, Michigan | MDOT | Mar-97 |
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