

3-2002

Bibliography of Maine DOT and Maine State Highway Commission Research Reports to March 2002

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**BIBLIOGRAPHY OF MAINE DOT AND MAINE
STATE HIGHWAY COMMISSION RESEARCH
REPORTS TO MARCH 2002**

Maine Dept. of Transportation Library
16 State House Station Augusta, Maine 04333-0016

March 2002

Call Number 64-1

Author Stoeckeler, E. G.

Title Criteria for predicting soil types in eskers

Publisher **Maine State Highway Commission**, Soils and Planning Divisions,
in cooperation with the U.S. Dept. of Commerce, Bureau of Public
Roads

Date 1964

Keywords eskers-Maine
soils-Maine-classification

Location shelf

Call Number 64-5

Author Rand, David W.

Title A design and construction report on a project having soil-cement
base, asphalt stabilized base, and crushed gravel base, located at
Peru, Maine

Publisher **Maine State Highway Commission**

Publisher Location Augusta, Me.

Date Feb. 1964

Location shelf

Call Number 64-2

Author Bigelow, Nelson

Title Seismograph operations in Maine

Publisher **Maine State Highway Commission**

Publisher Location Bangor, ME

Date Mar. 1964

Keywords seismic refraction method
soil mechanics

Location shelf

Maine Dept. Of Transportation
Library
16 State House Station
Augusta, ME 04333-0016

Call Number 64-4

Author Rand, David W.

Author 2 French, Richard B.

Title Bituminous concrete pavement inventory report for Maine roads

Publisher **Maine State Highway Commission**, in cooperation with the Bureau
of Public Roads

Publisher Location Augusta, Maine

Date Mar. 1964

Keywords pavements, bituminous-Maine

Location shelf

Call Number 64-3

Title Study of base course and subgrade performance

Publisher **Maine State Highway Commission**, Soils and Planning Divisions,
in cooperation with the U.S. Dept. of Commerce, Bureau of Public
Roads

Publisher Location Bangor, Maine?

Date Jul. 1964

Keywords frost heaving
pavements-Maine-testing

Location shelf

Call Number 65-3

Author Dunphy, Wilbur J.

Title Durability of concrete : final report

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.

Date 1965

Series Soil mechanics series technical paper ; 65-3

Keywords concrete-evaluation.

Location lib MDOT collection

Call Number 65-1

Title Investigation of insulating effect of materials on subgrade
construction and instrumentation

Publisher Maine State Highway Commission, Soils and Planning Divisions,
in cooperation with the U.S. Dept. of Commerce, Bureau of Public
Roads

Publisher Location Bangor, Maine?

Date Apr. 1965

Keywords frost heaving
pavements-Maine-testing

Location shelf

Call Number 65-2

Title Investigation of insulating effect of materials on subgrade pavement
evaluation by Benkelman deflections

Publisher Maine State Highway Commission, Soils and Planning Divisions in
cooperation with the U.S. Dept. of Commerce, Bureau of Public Roads

Publisher Location Bangor, Me.?

Date Jun. 1965

Series Soil mechanics series

Keywords frost heaving
pavements-Maine-testing

Location shelf

Call Number 65-5

Title Sensitivity operation manual and parts list

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Oct. 1965

Keywords soils-Maine-testing

Location shelf

Call Number 65-7

Author Rand, David W.

Title Final report on experimental ramp "E," Brunswick, Maine

Publisher Maine State Highway Commission

Publisher Location Augusta, Maine

Date Dec. 1965

Keywords pavements, bituminous-testing

Location shelf

Call Number 66-8

Author Bigelow, Nelson

Author 2 Dunphy, Wilbur J.

Title Insulation of subgrade : second year summary

Publisher Maine State Highway Commission

Publisher Location [Augusta, Me.]

Date 1966

Keywords pavements-frost damage-Maine
road construction-cold weather conditions-Maine

Location lib MDOT collection

Call Number 66-1

Author Dunphy, Wilbur J.

Title Investigation of insulating effect of materials on subgrade :
evaluation of first year data

Publisher Maine State Highway Commission, Soils and Planning Divisions,
in cooperation with the U.S. Dept. of Commerce, Bureau of Public
Roads

Publisher Location Bangor, Maine?

Date Jan. 1966

Keywords frost heaving
pavements-Maine-testing

Location shelf

Call Number 66-2

Title Summarization of control, progress and final tests : 1965 construction
season

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.?

Date Mar. 1966

Keywords road materials-testing

Location shelf

Call Number 66-4

Author Dunphy, Wilbur J.

Title Experimental insulation of a subgrade, Raymond, Maine :
construction and instrumentation report :

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Apr. 1966

Series Soil mechanics series technical paper ; 66-4

Keywords roads-subgrades
insulation (heat)
insulating materials-evaluation
roads-Maine

Location shelf

Call Number 66-10

Title Materials survey-maintenance sand study, Division 1 (part-2)

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Aug. 1966

Location shelf

Call Number 66-5

Author Ault, James

Title Eddington experimental project

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.

Date Dec. 1966

Series Soil mechanics series technical paper ; 66-5

Keywords soils-Maine

Location shelf

Call Number 67-1

Author Dunphy, Wilbur J.

Title Evaluation of concrete curbing : construction report

Publisher Maine State Highway Commission

Publisher Location Bangor, ME

Date 1967

Keywords curbs
roads-Maine

Location shelf

Call Number 67-7B

Author Rand, David W.

Title A study of mulching procedures as performed by Maine State
Highway Commission Maintenance Division

Publisher Maine State Highway Commission

Publisher Location Bangor, ME

Date Feb 1967

Keywords aggregates (building materials)
pavements, bituminous.

Call Number 67-2

Title Summarization of control, progress and final tests, 1966 construction season

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.?

Date Mar. 1967

Keywords road materials-testing

Location shelf

Call Number 67-3

Author Dunphy, Wilbur J.

Title Nuclear surface density probe calibration

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Jun. 1967

Location shelf

Call Number 67-9B

Author McNaughton, Edward

Title Pavement evaluation II

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Sep. 1967

Keywords pavements-Maine
roads-Maine-riding qualities

Location shelf

Call Number 67-10R

Title Interstate overpass frost heave study

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Sep. 1967

Keywords elevated highways-Maine
frost heaving -Maine

Location shelf

Call Number 67-8B

Author French, Richard

Title A study of variability in production, sampling and testing bituminous concrete base : part II, the 1966-67 study

Publisher Maine State Highway Commission, Materials and Research Division and Planning Division, in cooperation with the U.S. Department of Transportation, Bureau of Public Roads

Publisher Location Augusta, ME

Date Sep. 1967

Series Materials and Research Division technical paper ; 67-8B

Keywords pavements, bituminous

Location shelf

Call Number G 3730 .M225 1968

Title Maine : general highway atlas

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date 1968

Keywords Maine-road maps
Maine-maps

Location oversize-ask librarian

Call Number 68-IM-1

Author Bigelow, Nelson

Title Maine method of test for determination of density and water content
of granular soil with nuclear surface gauges

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.

Date 1968

Abstract Instructional memorandum

Keywords soils-testing

Location shelf

Physical Description book ; 11, [5] p.

Call Number 68-2P

Author McNaughton, Edward L.

Title The Chloe profilometer study

Publisher Maine State Highway Commission

Date Feb. 1968

Location shelf

Call Number 68-6R

Author Stoeckeler, E. G.

Title Use of color aerial photography for pavement evaluation studies in
Maine

Publisher Maine State Highway Commission, Materials and Research
Division and Planning Division in cooperation with U.S. Dept. of
Transportation, Bureau of Public Roads

Date Nov. 1968

Keywords pavements-Maine-evaluation

Location shelf

Call Number 68-5R

Author Stoeckeler, E. G.

Title Color airphotos for terrain analysis in Maine

Publisher Maine State Highway Commission

Publisher Location [Augusta?]

Date Nov. 1968

Keywords aerial photography in soil surveys
aerial photography

Location shelf

Call Number 68-7R

Author Tidd, Wilbur H.

Title Pavement overlay evaluation : interim report

Publisher Maine State Highway Commission

Publisher Location [Bangor, Me.]

Date Dec. 1968

Keywords pavements, asphalt concrete-cracking-Maine
pavements-Maine.

Location shelf

Call Number 68-4P

Author Rand, David

Title Continuing study of experimental projects : interim report

Publisher Maine State Highway Commission, Materials and Research Division

Date Dec. 1968

Location shelf

Call Number 69-1T

Author Pratt, Horace A.

Title Study of compressive strengths of portland cement concrete test
cylinders

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.?

Date May 1969

Series Materials and Research Division technical paper 69

Location shelf

Call Number 69-5R

Author Bigelow, Nelson

Title Freezing index maps of Maine

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Sep. 1969

Keywords Maine-index maps

Location shelf

Call Number 69-4R

Author Bigelow, Nelson

Title Experimental insulation of a subgrade, Raymond, Maine : second
through fourth year evaluation

Publisher Maine State Highway Commission

Publisher Location [Augusta, Me.]

Date Sep. 1969

Keywords roads-subgrades
insulating materials-evaluation
roads-Maine
pavements-frost damage-Maine
roads-design and construction-cold weather conditions-Maine

Location shelf

Physical Description book ; 19, 33 leaves ; bibliographical references

Call Number 69-3R

Author Dixon, John A.

Title Grader knife study : final report

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.

Date Sep. 1969

Keywords graders (earthmoving machinery)

Location shelf

Call Number 69-6R

Author Bigelow, Nelson

Title Skid trailer construction report

Publisher Maine State Highway Commission

Publisher Location [Augusta, Me.]

Date Nov. 1969

Keywords pavements-testing-Maine
motor vehicles-skidding-Maine
roads-snow and ice control -Maine.

Location shelf

Call Number 70-8R

Author Merrow, Francis

Title Overpass temperature study : construction report

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.?

Date 1970?

Keywords elevated highways-Maine
frost heaving-Maine

Location shelf

Call Number 70-2P

Author Edwards, Bryce

Title Investigating sources of variances in bituminous concrete testing :
part I, 1967-1968 study

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Jan. 1970

Keywords pavements, bituminous

Location shelf

Call Number 70-1P

Author Day, Philip B.

Title Bituminous mixture analysis by process control

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Jan. 1970

Keywords pavements, bituminous

Location shelf

Call Number 70-3P

Author Edwards, Bryce

Author 2 Rand, David

Title Investigating sources of variances in bituminous concrete testing :
part II, the 1968-69 study

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Feb. 1970

Keywords pavements, bituminous

Location shelf

Call Number 70-4R

Author Madden, Donald

Title Calibration of hopper type spreaders for salt and sand

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Mar. 1970

Keywords road machinery-Maine

Location shelf

Call Number 70-5P

Author Day, Philip B.

Author 2 Rand, David

Title Madawaska asbestos asphalt pavement : Bridge Street

Publisher Maine State Highway Commission

Publisher Location [Bangor, Me.]

Date Apr. 1970

Keywords pavements, bituminous-Maine.

Location shelf

Physical Description book ; 24 leaves ; bibliographical references

Call Number 70-6P

Author McNaughton, Edward

Title Peru experimental road project : interim report

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.

Date Apr. 1970

Keywords pavements-Maine-testing.

Call Number 70-7R

Author Bigelow, Nelson

Title Skid data 1969

Publisher Maine State Highway Commission

Publisher Location [Augusta, Me.]

Date May 1970

Keywords pavements-testing-Maine
motor vehicles-skidding-Maine
roads-snow and ice control-Maine

Location shelf

Call Number 71-10C

Author Hutchinson, Francis

Title Dispersal of sodium ions in soils

Publisher University of Maine, Dept. of Plant & Soil Sciences, in cooperation
with the **Maine State Highway Commission**

Publisher Location [Orono, Me.]

Date 1971

Abstract Limestone and gypsum were surface-applied to three sites along
Maine highways where sodium levels had been raised appreciably by
road salting for deicing purposes during previous winters.

Edition 2nd. ed.

Keywords soils, salts in-control-Maine

Location shelf

Call Number 71-1R

Author Bigelow, Nelson

Title Brush control sampling method

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.?

Date Apr. 1971

Keywords roadside plants-control-Maine

Location shelf

Call Number 71-2R

Author Dixon, John A.

Title Snowplow knife study

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date May 1971

Keywords road machinery-testing-Maine

roads-snow and ice control-Maine

Call Number 71-4S

Author Stoeckeler, E. G.

Title Photographic techniques for enhanced and color balanced aerial testing prints : a pilot study

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Jun. 1971

Keywords photography in highway engineering

Location shelf

Call Number 71-5R

Author Madden, Donald

Title Pavement behavior on I-95 under Kelley Road, I-95 under Cook Road and Joshua Chamberlain toll bridge

Publisher Maine State Highway Commission

Publisher Location [Bangor, Me.]

Date Jul. 1971

Keywords pavements-testing-Maine
roads-riding qualities-testing-Maine

Call Number 71-8R

Author Bigelow, Nelson

Title Skid resistance of pavements : interim report

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Aug. 1971

Keywords pavements-Maine-testing
motor vehicles-skidding-Maine

Call Number 71-9P

Author McNaughton, Edward L.

Title An evaluation of the Chloe profilometer and the causes of pavement depreciation in Maine

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Sep. 1971

Keywords pavements-evaluation-Maine

Location shelf

Call Number 71-7R

Author Mellow, Francis C.

Title Evaluation of concrete curbing

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Oct. 1971

Keywords curbs
roads-Maine

Location shelf

Call Number 71-11P

Author Rand, David W.

Title Pavement cracking, deflections, and asphalt hardening

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Oct. 1971

Keywords pavements-Maine

Location shelf

Call Number 71-12T

Author Field, Clarence

Title Summary of specifications for traffic paint, white & yellow and glass beads used in FHWA Region I

Publisher Maine State Highway Commission

Publisher Location [Augusta, Me.]

Date Mar. 1972?

Keywords road materials-testing
road paint-testing

Location shelf

Call Number 72-28

Title Evaluation of pavement overlay test sections, I-95, Bangor-Veazie area : interim report

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.

Date Apr. 1972

Edition second edition

Keywords pavements, asphalt concrete-cracking-Maine
Interstate 95-Maine

Location shelf

Call Number 72-1R

Author Jacobs, Kenneth M.

Title Soil stabilization for highway subgrade

Publisher Maine State Highway Commission

Publisher Location Bangor, Me.?

Date Apr. 1972

Keywords soil stabilization
roads-subgrades

Location shelf

Call Number 72-55

Author Stoeckeler, E.G.

Title Pavement overlay evaluation portions of the interstate highway between Augusta and Old Town : interim report

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.

Date Jun. 1972

Keywords pavements, asphalt concrete-cracking-Maine
pavements, flexible-Maine

Location shelf

Call Number 72-5S

Author Stoeckeler, E. G.

Title Crack development in flexible pavement overlays : interim report

Publisher Maine State Highway Commission

Publisher Location Augusta, Me.?

Date Jun. 1972

Keywords pavements, asphalt concrete-cracking-Maine
pavements, flexible-Maine

Location shelf

Call Number 82-4

Author Woodman, Raymond G.

Title Hydrology research : topographic maps vs. air photos

Publisher Maine Dept. of Transportation

Abstract Compares watershed hydrologic parameters determined from aerial photographs and U.S.G.S. topographic maps.

Keywords aerial photography in hydrology-Maine
topographic maps

Location shelf

Call Number 96-18

Title The ignition method of hot mix asphalt testing : final report

Publisher Maine Dept. of Transportation Transportation Research Division,
Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Abstract "Problem Solving 96-18"

Keywords asphalt-Maine-testing
aggregates (building materials)-testing

Location shelf

Accession Date Jan 1998

Call Number 78-1

Author DeBerry, William J.

Title The determination of alkylbenzenesulfonate type admixtures in
concrete using methylene blue dye

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Keywords concrete-testing

Location shelf

Call Number 66-7

Author Dunphy, Wilbur J.

Title Experimental insulation of a subgrade in Raymond, Maine : first year
evaluation

Publisher Maine Dept. of Transportation

Date 1966

Series Soil mechanics series technical paper ; 66-7

Keywords roads-subgrades
insulation (heat)
insulating materials-evaluation
roads-Maine

Call Number 71-13

Author Stoekeler, E.

Title Detection of vegetation damage near maintenance lots using color
infrared aerial photos

Publisher Maine Dept. of Transportation

Date 1971

Abstract The main purpose of the research project was to detect damaged vegetation believed to be associated with highway activities and not necessarily to determine the cause of the damage.

Keywords deicing chemicals-environmental aspects

Location shelf

Call Number 71-6P

Author Day, Philip B.

Title A simulated application of statistical quality acceptance specifications for bituminous pavements

Publisher Maine Dept. of Transportation

Date Jun. 1971

Keywords pavements, bituminous

Location shelf

Call Number 72-3T

Author Smith, E. V.

Title Bridge deck leakage in Maine : interim report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Feb. 1972

Keywords bridges-Maine-floors

Location shelf

Call Number 72-8R

Author Madden, Donald A.

Title Pavement wear on bituminous and concrete roadways

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Aug. 1972

Keywords pavements, concrete-Maine
pavements, bituminous-Maine
roads-Maine-maintenance and repair

Location shelf

Call Number 73-4

Author Rand, David W.

Title Cold weather paving : Damariscotta-Nobleboro

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1973

Keywords pavements-frost damage-Maine;
pavements-testing-Maine
roads-design and construction-cold weather conditions-Maine

Call Number 73-3

Author Madden, Donald A.

Title An evaluation of roadway insulation in Maine

Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date May 1973
Keywords pavements-frost damage-Maine
roads-design and construction-Maine
Location shelf

Call Number 73-2
Author Rand, David W.
Title Final evaluation of cold mix surfacing procedures
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date May 1973
Keywords pavements-evaluation-Maine
roads-design and construction-Maine
Location shelf

Call Number 73-1
Author Smith, E.V.
Title Evaluation of membrane waterproofing
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date May 1973
Keywords pavements-frost damage-Maine
pavements-testing-Maine
road materials-Maine
Location shelf

Call Number 73-8
Author Rand, David W.
Title Pavement evaluation III
Publisher Maine Dept. of Transportation
Publisher Location [Bangor, Me.?
Date Aug. 1973
Keywords pavements-Maine
roads-Maine-riding qualities
Location shelf

Call Number 74-5
Author Langille, A.
Title Salt toxicity of conifers : final report
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date 1974
Series Materials and Research Division technical paper ; 74-5
Abstract This paper discusses attempts to determine how road salt effects

softwoods.

Keywords plants, effect of salt on
evergreens

Location shelf

Call Number 74-6

Author Madden, Donald

Author 2 Wyman, John

Title Skid trailer construction

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1974

Keywords pavements-testing-Maine
motor vehicles-skidding-Maine
roads-snow and ice control -Maine

Location shelf

Call Number 74-2

Author Jacobs, Kenneth M.

Title Zinc content of streams with corrugated metal pipes

Publisher Maine Dept. of Transportation, Bureau of Highways, Materials
and Research Division

Publisher Location Augusta, Me.

Date 1974

Keywords culverts-corrosion
water-pollution-Maine

Location shelf

Physical Description book ; 11 p.

Call Number 74-1

Author Jacobs, Kenneth M.

Title Culvert life study

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan. 1974

Keywords culverts-design and construction
culverts, concrete

Location shelf

Call Number 74-3

Author Day, Philip B.

Title Evaluation of pavement overlay design test sections, I-95, Bangor-
Veazie area : interim report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Mar. 1974

Keywords pavements, asphalt concrete-cracking-Maine

Interstate 95-Maine

Location shelf

Call Number 78-6E-L

Author Rand, David W.

Title Use of salvaged pavement for maintenance operations : interim report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Apr. 1974

Keywords pavements, bituminous

Location shelf

Call Number 74-11

Author Bigelow, Nelson

Title Experimental insulation of a subgrade evaluation of data, fourth through the seventh years

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1974

Keywords roads-subgrades
insulation (heat)
insulating materials-evaluation
roads-Maine

Location shelf

Call Number 74-7

Author Rand, David

Title Evaluation of cationic emulsion for maintenance purposes

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date Jul. 1974

Keywords roads-Maine-maintenance and repair.

Location shelf

Call Number 74-8

Author Stevens, E.R.

Title Investigation of the accuracy of water meters at concrete batch plants

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date Jul. 1974

Keywords water-meters

Location shelf

Call Number 74-10

Author Rand, David W.

Author 2 Henry, Philip

Title Correlation of Mays Ride Meter to a Chloe profilometer

Publisher Maine Dept. of Transportation

Date Jul. 1974

Keywords road meters

Location shelf

Call Number 74-13

Author Rand, David W.

Title Evaluation of existing hot mix emulsion pavements

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep. 1974

Keywords pavements-evaluation-Maine
roads-design and construction-Maine

Location shelf

Call Number 75-3

Author Gibson, Richard C.

Title Rear light study : final report

Publisher Maine Dept. of Transportation, Bureau of Highways

Publisher Location Bangor, Me.

Date 1975

Abstract The two key objectives of this study were to 1) investigate the effect of snow on the visibility of tail light, and 2) investigate the relative merit of different tail light geometry as it affects the ability of following drivers to detect changes in the relative speed of a lead vehicle.

Keywords automobiles-lighting

Location shelf

Physical Description book ; 39 p. ; bibliographical references

Call Number 75-2

Author Rand, David W.

Title Evaluation of a cationic and a M.A.G. type emulsion

Publisher Maine Dept. of Transportation

Date Feb. 1975

Keywords roads-Maine-maintenance and repair.

Location shelf

Call Number 74-9

Author Rand, David W.

Title Evaluation of the drum mixing process in Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Mar. 1975

Keywords pavements-evaluation-Maine
roads-design and construction-Maine

Location shelf

Call Number 75-5

Author Riva, Francis V., Jr.

Title A 12 year study of final record sampling and testing in the state of
Maine

Publisher Maine Dept. of Transportation

Publisher Location Bangor, ME

Date Jun. 1975

Keywords pavements, bituminous-Maine.

Location shelf

Call Number 75-1

Author Rand, David W.

Title The use of recycled rubber tires in bituminous pavements

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jun. 1975

Keywords pavements, bituminous
tires, rubber-recycling

Location shelf

Call Number 75-4

Author Baker, G.L.

Title F.H.W.A. demonstration project #27 performed at McIntire Bridge,
Waterford, Maine-Feb. and Mar. 1974

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jun. 1975

Keywords pile drivers
piling (civil engineering)

Location shelf

Call Number 75-6

Author Day, Philip B.

Title Dycon, an insulating concrete

Publisher Maine Dept. of Transportation

Date Jul 1975

Keywords concrete-testing.

Location shelf

Call Number 75-7

Author Day, Philip B.

Title Evaluation of pavement overlay design test sections : a supplemental
report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Aug. 1975

Keywords pavements, asphalt-cracking.

Call Number 75-8

Title Durability of drainage structures

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Aug. 1975

Keywords roads-design and construction-Maine
road drainage-Maine

Location shelf

Call Number 75-10

Author Woodman, Rayond G.

Author 2 Farrell, Robert S.

Title Multidisciplinary analyses of Skylab photography for highway engineering purposes

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date Oct. 1975

Keywords Photography in highway engineering

Location shelf

Call Number 77-4

Author Jacobs, Kenneth M.

Title Dispersal of roadway salts

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1976

Keywords soils, salts in-control-Maine

Location shelf

Call Number 76-4

Author Wilder, Earl

Title Harrington experimental marsh : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date 1976

Keywords salt marshes-Maine

Location shelf

Call Number 76-7

Author Morrill, R.A.

Title A technique for estimating the magnitude and frequency of floods in Maine

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1976

Series U.S. Geological Survey open-file report ; 75-292

Keywords flood forecasting-Maine
floods-Maine

Location shelf

Physical Description book ; 44 leaves ; bibliographical references

Call Number 76-1

Author Henry, Philip

Title Pavement evaluation of the Newburgh-Hampden experimental project
: a final report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jan. 1976

Abstract Report no. FHWA ME TP 76 1.

Keywords pavements-Maine-testing

Location shelf

Call Number 76-2

Author Harmon, Robert M.

Title Evaluation of field performance of buried plastic pipe : test
installation in Old Town

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Feb. 1976

Keywords drainage
pipe, plastic

Location shelf

Call Number 76-3

Author Madden, Donald A.

Title Skid resistance of pavements : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1976

Keywords pavements-testing-Maine
motor vehicles-skidding-Maine
roads-snow and ice control-Maine

Location shelf

Call Number IM-4-76

Author Madden, Donald

Title Style of reports

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.?

Date Jun. 1976

Keywords composition (language arts)
technical writing
report writing

Location shelf

Call Number 76-5

Author Jacobs, Kenneth M.

Title Aluminum culvert corrosion

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Oct. 1976

Keywords culverts-corrosion

Location shelf

Call Number 77-10

Author Rand, David

Title Cold recycling of pavement by Hammermill process : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1977

Keywords pavements, asphalt-recycling
recycling (waste, etc.)
pavements-maintenance and repair
express highways-maintenance and repair
pavements-design and construction

Location shelf

Call Number 77-3

Author Madden, D.A.

Title Skid resistance of pavements : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date 1977

Keywords pavements-testing-Maine
motor vehicles-skidding-Maine

Call Number 77-1

Author Jacobs, Kenneth M.

Title Energy usage and other comparisons between diesel and gasoline trucks

Publisher Maine Dept. of Transportation

Date Jan. 1977

Keywords trucks-cost of operation

Location shelf

Call Number 77-2

Author Rand, David

Title Cold patch study and development
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.
Date Jan. 1977
Keywords roads-Maine-maintenance and repair
Location shelf

Call Number 77-6
Author Day, Philip B.
Title Turbidity study
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Apr. 1977
Keywords turbidity currents-testing
turbidities-testing
sediment transport
Location shelf

Call Number 77-7
Author Standley, Richard A.
Title Absorption recovery of asphalt from solution in 3 solvents
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Apr. 1977
Keywords asphalt-testing
asphalt concrete-testing
Location shelf

Call Number 77-5
Author Stevens, E.R.
Title Electropotential evaluation of bridge decks
Publisher Maine Dept. of Transportation
Publisher Location Bangor, ME
Date Apr. 1977
Keywords bridges-floors
Location shelf

Call Number 77-8
Title Construction report I-95-7 (75) Etna-Carmel : utilizing a rubber slurry stress relieving interlayer : final report.
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.
Date May 1977
Keywords pavements, asphalt concrete-cracking-Maine
Location shelf

Call Number 77-13

Author Rand, David W.

Author 2 Jacobs, Kenneth M.

Title Extent and effect of dynamic overload

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jun. 1977

Abstract Report no. FHWA ME RD 77 13.

Location shelf

Call Number 77-15

Author Jacobs, Kenneth M.

Title Bridge deck and air temperature

Publisher Maine Dept. of Transportation

Publisher Location Bangor, ME

Date Sep. 1977

Keywords bridges, concrete-Maine-effect of temperature on

Location shelf

Call Number 77-9

Author Day, Philip B.

Title Evaluation of reflective cracking-in pavement overlay design test sections : I-95

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep. 1977

Keywords pavements, asphalt concrete-cracking

Location shelf

Call Number 77-16

Author Day, Philip B.

Title Evaluation of pavement overlay design test sections, I-95, Bangor-Veazie area : a final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1977

Keywords pavements, asphalt concrete-cracking-Maine

Location shelf

Call Number 77-14

Author Edgcomb, Walter C.

Title Comparison of type I and type II portland cements

Publisher Maine Dept. of Transportation

Date Dec. 1977

Keywords Portland cement

Location shelf

Call Number 77-17

Title Durability of drainage structures

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1977

Keywords roads-design and construction-Maine
road drainage-Maine

Location shelf

Call Number 78-8

Author DeBerry, William J.

Title YPS in salt

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date 1978

Keywords roads-snow and ice control-Maine
salt-testing

Location shelf

Call Number 78-4

Author Jacobs, Kenneth M.

Title Dispersal of roadway salts : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1978

Keywords soils, salts in-control-Maine

Location shelf

Call Number 78-5E

Author Mitchell, William

Title Evaluation of two bridge deck membrane waterproofing systems,
heavy duty Bituthene and Protecto Wrap M-400 : final report

Publisher Maine Dept. of Transportation, , Materials and Research Division

Publisher Location Bangor, Me.

Date Jan. 1978

Keywords bridges-floors

Location shelf

Call Number 77-12

Author Ferris, C.R.

Title Executive summary : ecological impact of Interstate 95 on birds and
mammals in northern Maine : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan. 1978

Keywords roads-environmental aspects-Maine
Interstate 95-environmental aspects-Maine

Location shelf

Call Number 78-3E

Title Evaluation of retro reflective pliant polymer pavement markings :
interim report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jan. 1978

Keywords road markings

Location shelf

Call Number 78-2

Author Rand, David W.

Title Continuous type drum mixing plant evaluation

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1978

Keywords concrete mixers-evaluation.

Location shelf

Call Number 77-11

Author Madden, Donald A.

Title Skid resistance : final report on repeatability of measuring unit and
influence of speed

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1978

Keywords motor vehicles-skidding-Maine

Location shelf

Call Number 78 9E L

Author Mitchell, William

Title Evaluation of elastomeric expansion joints : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1978

Abstract This report summarizes a number of problems with elastomeric
expansion joints.

Keywords bridges-floors-joints
expansion joints

Location shelf

Call Number 78-11

Author Rand, David W.

Author 2 Jacobs, Kenneth M.
Title Dynamic pavement deflections : third interim report
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Jun. 1978
Keywords pavements-evaluation.
Location shelf

Call Number 78-10
Author Madden, Donald A.
Title Pavement condition evaluation for Interstate 95 in Maine
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Jun. 1978
Keywords pavements-testing-Maine
roads-riding qualities-testing-Maine
Location shelf

Call Number 78-13
Author Jacobs, Kenneth M.
Title Shoulder treatment on curves
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Oct. 1978
Keywords roads-design and construction-Maine
Location shelf

Call Number 78-12
Author Madden, Donald A.
Title Frictional trailer calibration procedures
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Oct. 1978
Keywords trailers-Maine
Location shelf

Call Number 78-18
Author Jacobs, Sally
Title Old Town-Orono-UMO bikeway
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Dec. 1978
Keywords bicycle trails-Maine
Location shelf

Call Number 78-17

Author Vadas, Robert L.

Title Harrington salt marsh study

Publisher Maine Dept. of Transportation

Date Dec. 1978

Abstract Consolidation of two reports which were originally prepared by Robert L. Vadas.

Keywords salt marshes-Maine

Location shelf

Call Number 79-1

Author Jacobs, Kenneth M.

Title Energy usage and other comparisons between diesel and gasoline pickup trucks

Publisher Maine Dept. of Transportation

Date Jan. 1979

Abstract Compares actual fleet experience of comparative costs between gasoline- and diesel-powered pickup trucks.

Keywords trucks-cost of operation

Location shelf

Call Number IM-3

Author Wyman, John H.

Title Event recorder as a turning movement indicator

Publisher Maine Dept. of Transportation

Date Mar. 1979

Keywords traffic surveys-equipment and supplies
traffic engineering.

Call Number 79-2

Author Madden, Donald A.

Title Energy absorbing bridge rail

Publisher Maine Dept. of Transportation

Publisher Location Bangor, ME

Date Mar. 1979

Keywords pavements-skid resistance-Maine.

Location shelf

Call Number 79-4

Author Madden, Donald A.

Title Frictional resistance of pavements : interim report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jun. 1979

Keywords pavements-skid resistance-Maine

Location shelf

Call Number 79-7
Author Vadas, Robert L.
Title Harrington salt marsh study
Publisher Maine Dept. of Transportation
Publisher Location [Augusta, Me.]
Date Aug. 1979
Keywords salt marshes-Maine
salt marsh ecology
Location shelf

Call Number 79-10
Author Jacobs, Kenneth M.
Title Roadside litter study
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Oct. 1979
Keywords litter (trash)-Maine
Location shelf

Call Number 79-11
Author Leyland, D.S.
Author 2 Hsu, Martha T.
Title Review of structural steel paint in Maine
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Dec. 1979
Keywords lead based paint
paint
painting, structural
Location shelf

Call Number 80-1
Author Gross, A.
Title First field trial with sulfur-extended-asphalt (SEA) binders : interim report : construction phase
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.
Date 1980
Abstract Report no. FHWA ME TP 80 1.
Keywords asphalt cement
pavements, bituminous
sulphur
cement-additives
Location shelf

Call Number 80-2
Author Day, Philip B.

Title Survey of D.O.T.'s' traffic paint costs in 1979

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1980

Keywords roads-Maine-maintenance and repair.

Location shelf

Call Number 80-4

Author 2 Rand, David

Title Edinburgh-Howland-Mattamiscontis-T2 R8 hot recycled project

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me?

Date 1980

Abstract Report no. FHWA ME TP 80 4.

Keywords pavements, asphalt-recycling

Location shelf

Call Number 80-6

Author Madden, D.

Title Frictional resistance of pavements : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1980

Abstract Report no. FHWA ME TP 80 6.

Keywords pavements-skid resistance-Maine

Location shelf

Call Number 80-7

Author Day, Philip B.

Title Turbidity study : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1980

Keywords turbidity currents-testing
turbidities-testing
sediment transport

Location shelf

Physical Description book ; 37 leaves ; bibliographical references

Call Number 80-10

Author Madden, D.

Title Energy absorbing bridge rail : post construction evaluation : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1980

Keywords bridges-design and construction-Maine

Location shelf

Call Number 80-14

Author Jacobs, Kenneth M.

Title Durability of drainage structures

Publisher Maine Dept. of Transportation

Date 1980

Keywords road drainage-Maine
culverts-evaluation

Location shelf

Call Number 80-3

Author Rand, David

Title Houlton-Littleton hot recycling paving project : preliminary and construction report

Publisher Maine Dept. of Transportation, Bureau of Highways, Materials and Research Division

Publisher Location Augusta, Me.

Date Mar. 1980

Keywords pavements, bituminous-design and construction
road materials
recycling (waste, etc.)

Location shelf

Call Number 80-8

Author Wyman, J.

Title Investigation of a highly reliable solid state traffic signal controller

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jun. 1980

Abstract This report presents the results of an investigation of several techniques to improve the ability of solid state traffic controllers to survive in storm induced surge environments.

Keywords electronic traffic controls
traffic signs and signals

Location shelf

Call Number 80-11

Author Vadas, R. L.

Title Harrington salt marsh study

Subtitle Interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep. 1980

Abstract This report evaluates the fourth year of plant growth and development at the ME DOT's experimental marsh at Harrington,

Maine.

Keywords salt marshes-Maine
salt marsh ecology

Location shelf

Call Number 10-15-80

Author Wright, Charles C.

Title Experimental continuously-reinforced portland cement concrete
pavement : interstate route 95, Cumberland, Maine : final report

Publisher Maine Dept. of Transportation, Materials and Research Division

Publisher Location [Bangor, Me.]

Date Oct. 1980

Keywords pavements, concrete
portland cement

Location shelf

Call Number 80-13

Author Jacobs, Kenneth M.

Title Synthetic oil study

Publisher Maine Dept. of Transportation

Date Nov. 1980

Abstract Interim report.

Keywords trucks-lubrication
trucks-fuel consumption

Location shelf

Call Number 81-6

Author Rand, D.

Title Dynamic pavement deflection

Subtitle Final report

Publisher Maine Dept. of Transportation

Date 1981

Keywords pavements, bituminous

Location shelf

Call Number 81-7

Author Hsu, Martha T.

Title Hydration of portland cement in the presence of some air entraining
agents

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1981

Abstract Report no. FHWA/ME/TP-81-07.

Keywords portland cement-additives-testing
lightweight concrete-testing
concrete-permeability-testing

Location shelf

Call Number 81-10

Title Inventory and effect of aggregate characteristics upon bituminous pavement design parameters in Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1981

Series Technical paper / Maine Dept. of Transportation, Materials and Research Division ; 81-10

Keywords pavements, bituminous-design and construction
pavements-Maine-design and construction
aggregates (building materials)

Location shelf

Physical Description book ; 47 leaves ; bibliographical references

Call Number 81-11

Author Standley, R.

Title Use of asphalt emulsions in highway application

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.?

Date 1981

Keywords pavements-Maine-York County-maintenance and repair
pavements-Maine-Sagadahoc County-maintenance and repair
pavements, asphalt-Maine-York County
pavements, asphalt-Maine-Sagadahoc County
roads-design and construction-Maine-York County
roads-design and construction-Maine-Sagadahoc County

Location shelf

Call Number 81-1

Title Nitrogen fixation and legume establishment on highway slopes

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1981

Abstract Final report

Keywords roadside improvement-Maine

Location shelf

Call Number 81-3

Author Vadas, R. L.

Title Harrington salt marsh study

Subtitle Interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1981

Abstract Discusses progress made to date of publication at an experimental marsh at Harrington, Maine.

Keywords salt marsh ecology
salt marshes-Maine

Location shelf

Call Number 81-4

Author Wright, C.

Title Experimental continuously-reinforced portland cement concrete pavement, Interstate 95, Cumberland, Maine : final report : digest

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1981

Keywords pavements, concrete
portland cement

Location shelf

Physical Description book ; 60 p. ; bibliographical references

Call Number 81-5

Author Wyman, John

Title Weigh-in-motion instrumentation of a bridge

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1981

Keywords bridges-live loads
bridges-Maine-testing
trucks-weight

Location shelf

Call Number 81-2

Author Edgecomb, Walter C.

Title Polymer impregnation of new concrete bridge deck surface : final report

Publisher Maine Dept. of Transportation, Bureau of Highways, Materials and Research Division

Publisher Location Augusta, Me.

Date Jun. 1981

Abstract Report no. FHWA ME TP 81 2.

Keywords bridges-floors
polymer-impregnated concrete

Location shelf

Call Number 82-11

Author Wyman, J.

Title Weigh-in-motion instrumentation of a bridge : interim report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1982

Abstract Report no. FHWA ME TP 82 11.

Keywords bridges-live loads
bridges-Maine-testing
trucks-weight

Location shelf

Call Number 82-14E

Author Rand, D.

Title Nonwoven fabrics as a means of reducing reflective cracking

Subtitle Final report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, ME

Date 1982

Keywords pavements, asphalt concrete-cracking

Location shelf

Call Number 82-15

Author Jacobs, Kenneth M.

Title Argyle-Edinburg hot recycled project

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1982

Keywords pavements, asphalt-recycling

Location shelf

Call Number 82-16

Author Vadas, R. L.

Title Harrington salt marsh study

Subtitle Interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1982

Keywords salt marsh ecology-Maine
salt marshes-Maine

Location shelf

Call Number 82-2

Author Pilsbury, A. N.

Title Evaluation of Chem-crete modified asphalt : preliminary and construction report

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1982

Abstract Experimental project 80-02

Keywords pavements-testing
pavements, bituminous

Location shelf

Call Number 82-6

Author Madden, Donald

Title Frictional resistance of pavements : wheelpath comparisons and smooth versus ribbed tires : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1982

Abstract This report addresses the comparison of the respective wheelpath frictional values, and the difference in frictional levels between ribbed and smooth tires.
Report no. FHWA ME TP 82 6.

Keywords pavements-skid resistance
automobiles-tires-testing

Location shelf

Call Number 82-8

Author Standley, R. A.

Title Emulsion study in Casco, Maine : construction report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1982

Keywords pavements, asphalt

Location shelf

Call Number 82-9

Author Edgecomb, Walter C.

Title Bridge deck repairs with polymer concrete patching materials : final report

Publisher Maine Dept. of Transportation, Materials & Research Division

Publisher Location Bangor, Me.

Date 1982

Abstract Report no. FHWA ME TP 82 9.

Keywords bridges, concrete-Maine-maintenance and repair

Location shelf

Call Number 82-10

Author Hsu, Martha T.

Title Roadside deicing chemical accumulation after ten years application : final report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1982

Abstract Soil and plant samples taken from along part of the northbound lane of I-95 were tested for sodium and chloride content during the winter of 1981-82, and the results were compared with values obtained in 1972-73.
Report no. FHWA ME TP 82 10.

Keywords deicing chemicals
roads-snow and ice control

Location shelf

Call Number 82-12

Author Wyman, John H.

Title Measurement of wind-induced motion of a suspension bridge : final report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1982

Abstract Discusses a project to collect data on wind speed and direction and bridge motion from the Deer Isle bridge.
Report no. FHWA ME TP 82 12.

Keywords suspension bridges-testing
bridges-Maine-vibration-testing
winds-measurement

Location shelf

Call Number 82-18

Author Boucher, Richard J.

Title Penjajawoc stream salt study

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1982

Keywords stream ecology
deicing chemicals-environmental aspects
runoff
water-pollution

Location shelf

Call Number 82-3

Author Gross, A.

Title Sulfur extended asphalt (SEA) : design and construction report

Publisher Maine Dept. of Transportation, Materials and Research Division

Publisher Location Bangor, Me.

Date Feb. 1982

Keywords pavements, asphalt
sulphur

Location shelf

Call Number 82-1

Author Leyland, D.

Title Evaluation of protective paint systems for steel structures in Maine

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Feb. 1982

Keywords protective coatings
paint
corrosion and anti-corrosives

Location shelf

Call Number 82-5

Author Pilsbury, A. N.

Title Recycled pavement : I-95 Herseytown-Benedicta-Sherman : preliminary and construction report

Publisher Maine Dept. of Transportation, Materials and Research Division

Publisher Location [Augusta, Me.]

Date Mar. 1982

Series Technical paper (Maine Department of Transportation, Materials and Research Division) ; 82-5.

Keywords highway engineering.

Location shelf

Physical Description book ; 21 leaves

Call Number 82-7

Author Jacobs, Kenneth M.

Title Durability of drainage structures : final report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jun. 1982

Keywords road drainage -- Maine
culverts-evaluation.

Location shelf

Call Number 81-9

Title Synthetic oil study

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jul. 1982

Keywords trucks-lubrication
trucks-fuel consumption

Location shelf

Call Number 83-5

Title Wildlife populations utilizing right-of-way habitats along Interstate 95 in northern Maine : final report

Publisher Maine Dept. of Transportation, Materials and Research Division

Publisher Location Bangor, Me.

Date 1983

Abstract From 1975 to 1982, the impact of constructing Interstate 95 in northern Maine on the distribution, abundance, and diversity of birds, rodents, and other mammals was assessed.
Report no. FHWA ME TP 83 5.

Keywords express highways-environmental aspects-Maine
wildlife conservation-Maine
Interstate 95-Maine

Location shelf

Call Number 82-17

Author Madden, Donald
Title Solar energy for highway use
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.
Date 1983
Series Technical paper / Maine Dept. of Transportation, Materials and Research Division ; 82-17
Keywords solar collectors-design and construction
Location shelf
Physical Description book ; 33 p.

Call Number 83-9

Author Standley, R.
Title Evaluation of water susceptibility test
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.?
Date 1983
Keywords pavements, asphalt-testing
Location shelf

Call Number 83-8

Author Day, Philip B.
Title Solar energy for highway use
Subtitle Final report
Publisher Maine Dept. of Transportation
Date 1983
Keywords solar collectors-design and construction.
Location shelf

Call Number 83-7

Author Wyman, John
Title Weigh-in-motion instrumentation of a bridge : interim report
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.
Date 1983
Keywords bridges-live loads
bridges-Maine-testing
trucks-weight
Location shelf

Call Number 83-6

Author Rand, D.
Title Tensile strength of bituminous concrete
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.

Date 1983

Abstract The objective of this study was to evaluate factors that influence tensile strength of bituminous concrete.

Keywords pavements, asphalt concrete-testing
pavements, bituminous-testing
pavements-Maine-design and construction

Location shelf

Call Number 83-4

Author Rand, David

Title History of recycled pavements in Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date 1983

Abstract Prepared in cooperation with the Federal Highway Administration, U.S. Department of Transportation.

Keywords pavements, asphalt-recycling-Maine
roads-design and construction-Maine

Location shelf

Physical Description book ; 49 p. ; maps

Call Number 83-3

Author Madden, Donald A.

Title Frictional resistance of pavements : smooth versus ribbed tires

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1983

Abstract Final report.
Report no. FHWA/ME/TP-83/3.

Keywords pavements-skid resistance
automobiles-tires-testing

Location shelf

Physical Description book ; 18 leaves ; bibliographical references

Call Number 83-1

Author Hsu, Martha T.

Title Production and testing of calcium magnesium acetate in Maine : final report

Publisher Maine Dept. of Transportation, Materials and Research Division

Publisher Location [Bangor, Me.]

Date 1983

Series Technical paper / Maine Dept. of Transportation, Materials and Research Division ; 83-1

Keywords roads-Maine-snow and ice control
deicing chemicals.

Location shelf

Call Number 83-10

Author Leyland, D.

Title A survey of coatings and systems specified by the state highway departments

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1983

Keywords concrete coatings-research
roads-design and construction-United States

Location shelf

Call Number 83-2

Author Gross, A.

Title Field trials and evaluation of foamed asphalt construction projects : construction report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Jul. 1983

Keywords pavements, asphalt

Location shelf

Call Number 83-12

Author Hsu, Martha T.

Title Pavement traffic marking system survey

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Aug. 1983

Keywords road markings-Maine

Location shelf

Call Number 83-11

Author Gross, A.

Title First field trials with sulfur extended asphalt (SEA) binders in Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1983

Keywords pavements-Maine-design and construction
pavements, asphalt
sulphur
roads-Maine-maintenance and repair

Location shelf

Call Number 83-13

Author Gross, A.

Title Field trials and evaluation of foamed asphalt construction projects : final report

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date Dec. 1983

Keywords pavements, asphalt

Location shelf

Call Number 84-4

Title Anticaking agents in deicing salt

Publisher Maine Dept. of Transportation

Publisher Location Bangor, ME

Date 1984

Keywords deicing chemicals

Location shelf

Call Number 84-3

Author Madden, D.

Title Pavement friction measurement on curves

Publisher Maine Dept. of Transportation

Date 1984

Abstract This report addresses the effectiveness of an E-274 frictional trailer to obtain representative values on non-tangent sections of roadway.

Keywords pavements-skid resistance

Location shelf

Call Number 84-1

Author Anderson, Joseph H.

Title Evaluation of nuclear densities on bituminous concrete pavements

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1984

Keywords pavements, bituminous

Location shelf

Physical Description book ; 24 leaves ; bibliographical references

Call Number IM-4

Title Equipment needed to perform field tests on highway and bridge construction projects : materials and research division instructional memorandum

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1984

Keywords bridges-design and construction-Maine
building materials-testing
roads-design and construction-Maine

Location shelf

Call Number 84-2

Author Madden, Donald A.

Title Correlation of a roughness meter
Publisher Maine Dept. of Transportation
Publisher Location [Bangor, Me.]
Date Aug. 1984
Keywords road meters
roads-Maine-riding qualities-testing
Location shelf

Call Number 84-5 ex
Author Wyman, J.
Title Field evaluation of FHWA vehicle classification categories
Subtitle Executive summary
Publisher Maine Dept. of Transportation
Date 1985
Location shelf

Call Number 84-5
Author Wyman, John H.
Title Field evaluation of FHWA vehicle classification categories
Publisher Maine Dept. of Transportation
Publisher Location [Augusta, Me]
Date 1985
Series Technical paper / Maine Department of Transportation, Materials and Research Division ; 84-5
Abstract Final report.
Keywords motor vehicles-United States-classification-mathematical models
traffic surveys -United States
traffic flow-United States
Location shelf

Call Number 85-1
Author Rand, D.
Title Peru experimental road project
Subtitle Final report
Publisher Maine Dept. of Transportation
Date 1985
Keywords pavements-Maine-testing.
Location shelf

Call Number 85-4
Author Hsu, Martha T.
Title Pilot study on the soil and water monitoring of herbicide residues :
Final report
Publisher Maine Dept. of Transportation
Publisher Location Bangor, Me.
Date 1985

Keywords herbicides-biodegradation
soils-Maine-herbicide content
water-pollution

Location shelf

Call Number 85-2

Author Madden, Donald A.

Title Frictional resistance characteristics-comparison of standard (E-501)
test tires and conventional tires

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.

Date 1985

Series Technical paper / Maine Dept. of Transportation, Materials and
Research Division ; 85-2

Abstract Final report.
Report no. FHWA/ME/TP-85/2.

Keywords pavements-skid resistance
automobiles-tires-testing
tires-testing

Location shelf

Physical Description book ; 26 leaves ; bibliographical references

Call Number 85-7

Author Standley, R.

Title Emulsion study in Casco, Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date 1985

Abstract Report no. FHWA ME TP 85 7.

Keywords pavements, asphalt.

Location shelf

Call Number 85-6

Author Tidd, Wilbur

Title Determination of optimum scale and type of aerial photography for
use in delineation of very small drainage areas : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date 1985

Abstract Report no. FHWA ME 85 6.

Keywords aerial photography in watershed management-Maine

Location shelf

Call Number 85-5

Author Vadas, R. L.

Title Ecological evaluation of an artificially created salt marsh at
Harrington, Maine : executive summary

Publisher Maine Dept. of Transportation, Bureau of Highways, Materials and Research Division

Publisher Location Bangor, Me.

Date 1986

Keywords salt marshes-Maine
salt marsh ecology-Maine

Location shelf

Call Number 86-9

Author Wyman, J.

Title Automated traffic/truck weight monitoring equipment (weigh-in-motion [WIM])

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1986

Abstract FHWA Demonstration Project #966.
Report no. FHWA ME 86 9.

Keywords trucks-weight-measurement
bridges-live loads-testing
motor vehicle scales
weigh-in-motion

Location shelf

Call Number 86-6

Author Wyman, John H.

Title Evaluation of a capacitance type portable weigh in motion device : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1986

Abstract Report no. FHWA ME 86 6.

Keywords motor vehicles-weight measurement-equipment and supplies
motor vehicle scales

Location shelf

Call Number 86-7

Author Wyman, John H.

Title Weigh in motion instrumentation of a bridge : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1986

Series Technical paper / Technical Services Division ; 86-7

Abstract Report no. FHWA ME 86 7.

Keywords bridges-live loads
bridges-Maine-testing
trucks-weight

Location shelf

Call Number 86-5

Author Madden, Donald A.

Title Seasonal variation for structural strength value : interim report

Publisher Maine Dept. of Transportation

Date 1986

Series Technical report / Maine Dept. of Transportation, Research and Development Section ; 87-2

Abstract Report no. FHWA ME 86 5

Keywords pavements-Maine-testing
pavements-Maine-subgrades
roads-Maine-testing

Location shelf

Physical Description book ; 69 p.

Call Number 86-4

Author Alley, Mark D.

Title First field trials with sulfur extended asphalt (SEA) binders in Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1986

Keywords pavements-Maine-design and construction
pavements, asphalt
roads-Maine-maintenance and repair

Location shelf

Call Number 86-2

Author Michaud, Sylvia

Title Establishing legume transplants on highway backslopes

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1986

Keywords roadside plants-Maine

Location shelf

Call Number 1980

Title 1980 MDOT sampling and testing program

Publisher Maine Dept. of Transportation

Date 1986

Location shelf

Call Number 86-1

Author Coutu, Suzanne

Author 2 Brown, Patrick W.

Title Influence of highways on water chemistry, vegetation and invertebrates in a central Maine wetland : final report

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1986

Abstract This study was conducted to evaluate the effects of highway runoff on a central Maine riverine wetland that was bisected by a highway.

Keywords runoff-Maine
runoff-environmental aspects-Maine
roads-environmental aspects
wetlands-Maine
wetland conservation

Location shelf

Corporate Responsib University of Maine

Call Number 6-1996

Title A(n) unsolicited proposal for a study of weigh station evasion by trucks

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Bangor, Me.?

Date 1986

Keywords trucks-weight

Location shelf

Call Number 86-3

Author Wyman, J.

Title Automated traffic/truck weight monitoring equipment (weigh-in-motion [W.I.M]) : initial report

Publisher **Maine Dept. of Transportation**

Date Apr. 1986

Abstract FHWA demonstration project # 966

Keywords trucks-weight-measurement
bridges-live loads-testing
motor vehicle scales
weigh-in-motion

Location shelf

Call Number 85-03

Author Rand, David

Title Cracking, seating and overlaying of portland cement concrete on I-95 at Freeport-Brunswick, Maine

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date May 1986

Keywords pavements, asphalt concrete-cracking
pavements, concrete-maintenance and repair
concrete-cracking;

Location shelf

Call Number 84-04

Author Hamilton, C. Donald

Title Bridge deck expansion joints : final report

Publisher **Maine Dept. of Transportation**, Technical Services Division

Publisher Location Augusta, Me.

Date Jul. 1986

Abstract Report no. FHWA ME TP 84 04.

Keywords bridges, concrete-Maine
expansion joints

Location shelf

Call Number 87-3

Author Wyman, John H.

Title Automated traffic/truck monitoring equipment

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1987

Series Technical paper/Technical Services Division ; 87-3

Abstract Report no. FHWA ME 87 3.

Keywords trucks-weight-measurement
bridges-live loads-testing
motor vehicle scales
weigh-in-motion

Location shelf

Call Number 87-3(12-87)

Author Wyman, J.

Title Automated truck monitoring equipment : executive summary-final
report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1987

Abstract FHWA demonstration project # 966.
Report no. FHWA ME 87 3.

Keywords trucks-weight-measurement
bridges-live loads-testing
motor vehicle scales
weigh-in-motion

Location shelf

Call Number 87-1

Author Rand, D.

Title Evaluation of early AASHO (AASHTO) designed and other selected
old projects

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1987

Abstract Report no. FHWA ME 87 1.

Keywords pavements-Maine-evaluation
roads-Maine-testing
pavements, bituminous-evaluation

Location shelf

Physical Description book ; 39 p.

Call Number 77-08C

Title Inorganic zinc and vinyl paint system, Brunswick-Harpswell bridge

Subtitle Final report : experimental construction 77-08C

Publisher Maine Dept. of Transportation

Date 1987

Location shelf

Call Number 83-G

Title Evaluation of Deer Isle Flexogrid overlay

Subtitle Final report

Publisher Maine Dept. of Transportation

Date 1987

Location shelf

Call Number 83A

Author Dunphy, Wilbur J.

Title Rubber-asphalt bituminous mixtures (Ultrapave) : experimental construction 83A (final report)

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date 1987

Keywords pavements, bituminous
bituminous materials
asphalt emulsion mixtures

Location shelf

Call Number 80-02

Title Evaluation of Chemcrete modified asphalt : final report

Publisher Maine Dept. of Transportation

Publisher Location [Bangor, Me.]

Date 1987

Abstract Experimental project 80-02.

Keywords pavements-testing
pavements, bituminous

Location shelf

Call Number 84-05

Author Hsu, Martha T.

Title Field evaluation of edgeline widths

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.?

Date 1987

Abstract "Experimental Construction 84-05"

Keywords road markings-evaluation
road markings-cost effectiveness
roads-safety measures-cost effectiveness

Location shelf

Call Number 87-1901

Author Hamilton, C.Donald

Title North American Green-erosion control blankets

Publisher **Maine Dept. of Transportation**, Technical Service Division,
Research & Development Section

Publisher Location Augusta, Me.

Date Apr. 1987

Keywords soil conservation
sediment control

Location drawer

Call Number 87-2

Author Madden, Donald

Title Seasonal variation for structural strength value : final report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Jun. 1987

Abstract Report no. FHWA ME 87 2.

Keywords pavements-Maine-testing
pavements-Maine-subgrades
roads-Maine-testing

Location shelf

Call Number 87D

Title Dustaside study

Subtitle Experimental construction 87D : final report

Publisher **Maine Dept. of Transportation**

Date Sep. 1987

Location shelf

Call Number 87A

Title Comparison of carbide vs hardened steel snowplow blades

Subtitle Experimental construction 87A : final report

Publisher **Maine Dept. of Transportation**

Date 1988

Location shelf

Call Number 88-05 (11-88)

Author Dunphy, Wilbur J.

Title Experimental utilization of a stress absorbent membrane in Peru and a
stress absorbent interlayer in Kennebunk, Maine : construction report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research & Development Section

Publisher Location Augusta, Me.

Date 1988?

Keywords roads-Maine-maintenance and repair

Location drawer

Call Number 82-02

Title Woven geotechnical fabric used to separate subgrade soils and new base material

Subtitle Experimental construction 82-02 : final report

Publisher Maine Dept. of Transportation

Date Jan. 1988

Location shelf

Call Number 88-1(3-88)

Author Alley, Mark D.

Title Cathodic protection for the Jonesport-Beals concrete bridge deck : construction report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1988

Keywords bridges-Maine-floors

Location shelf

Call Number 82-01

Title Evaluation of Chemtrete BSM weatherproofing, Prospect-Verona : final report

Publisher Maine Dept. of Transportation

Date Apr. 1988

Location shelf

Call Number 82A

Title Evaluation of plastic snow fencing

Publisher Maine Dept. of Transportation

Date May 1988

Location shelf

Call Number 78-02B

Title Modular expansion device covered bridge Presque Isle, Maine

Publisher Maine Dept. of Transportation

Date May 1988

Keywords bridges-Maine-Presque Isle

Location shelf

Call Number 78-02A

Title Modular expansion device Gardiner-Randolph bridge Gardiner-Randolph, Maine

Subtitle Final report

Publisher Maine Dept. of Transportation

Date May 1988

Keywords bridges-Maine--Gardiner-Randolph--floors-joints

Location shelf

Call Number 78-02D

Title Modular expansion device, Donald E. Davey bridge, Wiscasset-Edgecomb, Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1988

Keywords bridges-Maine-Wiscasset-floors-joints

Location shelf

Call Number 78-02C

Title Modular expansion device, James B. Longley Memorial Bridge, Auburn-Lewiston, Maine

Subtitle Experimental construction 78-02C

Publisher Maine Dept. of Transportation

Date Jun. 1988

Keywords bridges--Maine--Auburn-Lewiston--floors--joints

Location shelf

Call Number 83F

Title Evaluation of BA-2000 anti-stripping agent : U.S. Route 1 in Littleton and State Route 15 in Bucksport : final report

Publisher Maine Dept. of Transportation

Date Jul. 1988

Location shelf

Call Number 87E

Title Evaluation of water based traffic paint

Subtitle Experimental construction 87E : final report

Publisher Maine Dept. of Transportation

Date Jul. 1988

Location shelf

Call Number 88-2

Author Madden, Donald

Title Calibration of highway surface roughness measurement devices : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1988

Keywords road meters-calibration
pavements-testing

Location shelf

Call Number 81-01

Title Evaluation of reflectorized aluminum washers on guardrail : final report

Publisher Maine Dept. of Transportation

Date Jul. 1988

Location shelf

Call Number 87F(12-88)

Title Evaluation of water based, lead and chromium free bridge maintenance coating systems : interim report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1988

Abstract At head of title: Experimental construction 87F

Keywords bridges-Maine
protective coatings

Location drawer

Call Number 87-04(12-88)

Title Experimental utilization of a prefabricated drainage structure

Subtitle Interim report

Publisher Maine Dept. of Transportation

Date Dec. 1988

Keywords prefabricated drainage structure

Location drawer

Call Number 89-1

Author Pulver, William

Title Evaluation of a hand held microcomputer as a data collection device

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1989

Abstract Report no. FHWA ME 89 1.

Keywords traffic surveys-Maine-equipment and supplies
microcomputers-evaluation
automatic data collection systems-evaluation

Location shelf

Physical Description book ; 27 p.

Call Number COM 8

Title PROMIS user manual

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1989

Location lib special collection

SA computer systems

Title Soils workshop : February 27, 1989
Publisher **Maine Dept. of Transportation**, Technical Services Division,
Geotechnical and Materials
Publisher Location [Augusta, Me.?
Date 1989
Keywords soils
Location shelf

Call Number HE 554 .N845
Author Normandeau Associates
Title Sears Island Causeway monitoring program ... annual report
Publisher Prepared for **Maine Dept. of Transportation** by Normandeau
Associates
Publisher Location Bedford, NH
Date 1989-1993
Keywords bridges-Maine-Sears Island
marine terminals-Maine-Sears Island
Location lib

Call Number 86F(1-89)
Title Use of silica fume in the wearing service : Passadumkeag Bridge #
2649
Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section
Publisher Location Augusta, Me.
Date Jan. 1989
Keywords silica fume
bridges-design and construction-Maine
Location drawer

Call Number 73A
Title Culvert study
Subtitle Interim report
Publisher **Maine Dept. of Transportation**
Date Jan. 1989
Keywords culverts
Location drawer

Call Number 86G(1-89)
Title Use of silica fume in wearing surface
Subtitle Construction report
Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section
Publisher Location Augusta, Me.
Date Jan. 1989
Keywords silica fume

bridges-design and construction-Maine

Location drawer

Call Number 87-03(1-89)

Title Densification of portland cement concrete pier columns and upstream concrete bridge curb using silica fume

Subtitle Construction report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section.

Publisher Location Augusta, Me.

Date Jan. 1989

Keywords silica fume
bridges-design and construction-Maine

Location drawer

Call Number 88-06C

Title Evaluation of bridge deck wick drains, Spurwink Bridge,
Scarborough-Cape Elizabeth, Maine

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1989

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 89-28(2-89)

Title Spurwink River Bridge no. 2796 : construction report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Feb. 1989

Keywords bridges-Maine
protective coatings
zinc coatings

Location drawer

Call Number 72-A(2-89)

Title Roque Bluffs experimental paint testing site : interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division

Publisher Location Augusta, Me.

Date Feb. 1989

Keywords protective coatings

Location drawer

Call Number 85-1(2-89)

Title Evaluation of Darex Corrosion Inhibitor : interim report

Publisher **Maine Dept. of Transportation**

Date Feb. 1989

Keywords bridges-Maine-maintenance and repair

corrosion and anti-corrosives-Maine
silica fume
concrete-corrosion

Location drawer

Call Number 77A

Title The performance of bituminous pavement as relates to the use of viscosity grade AC-5 vs AC-10 asphalt cement : experimental construction 77A (final report)

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Mar. 1989

Keywords asphalt cement
pavements, bituminous

Location shelf

Physical Description book ; 17 leaves

Call Number 88-04(5-89)

Title Experimental utilization of a stress absorbing membrane in Plymouth, Maine

Subtitle Interim report, 1st year

Publisher Maine Dept. of Transportation

Date May 1989

Keywords stress absorbent membrane

Location drawer

Call Number 87L(5-89)

Author Redmond, Michael

Title Use of silica fume concrete in a bridge rehabilitation project

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date May 1989

Abstract Construction report.

Keywords silica fume
bridges-Maine-maintenance and repair

Location drawer

Call Number 87M(5-89)

Title Use of silica fume in a wearing surface

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1989

Abstract Construction report.
At head of title: Experimental construction 87M.

Keywords silica fume
bridges-Maine-Auburn

Location drawer

Physical Description book ; 4, [1] p.

Call Number 88-8504

Title Concrete cylinder testing-sulfur vs. neoprene

Publisher Maine Dept. of Transportation

Date Jun. 1989

Location drawer

Call Number 87-01(6-89)

Title Experimental utilization of a fabric-asphalt crack reduction pavement interlayer in Paris, Maine : interim report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location [Augusta, Me.]

Date Jun. 1989

Keywords pavements-Maine-cracking

Location drawer

Call Number 87-04(6-89)

Title Experimental utilization of a prefabricated drainage structure

Subtitle Interim report

Publisher Maine Dept. of Transportation

Date Jun. 1989

Keywords prefabricated drainage structure

Location drawer

Call Number 85-02(6-89)

Title Evaluation of anti-stripping agent, Grand Isle-Madawaska : interim report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Jun. 1989

Keywords aggregates (building materials)
pavements, bituminous

Location drawer

Call Number 88-05(6-89)

Title Experimental utilization of a stress absorbent membrane in Peru and a stress absorbent membrane interlayer in Kennebunk, Maine : interim report, 1st year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1989

Keywords roads-Maine-maintenance and repair

Location drawer

Call Number 88-01(6-89)

Title Experimental utilization of drainage material as an underdrain in

Plymouth and Etna, Maine

Subtitle Interim report, 1st year

Publisher Maine Dept. of Transportation

Date Jun. 1989

Keywords road drainage-Maine; edge drains

Location drawer

Call Number 89-14

Title Study of verification testing program

Publisher Maine Dept. of Transportation

Date Jul. 1989

Keywords verification testing

Location drawer

Call Number 89-23

Title Test/inspection practices for small quantity items

Publisher Maine Dept. of Transportation

Date Aug. 1989

Keywords small quantity testing

Location drawer

Call Number 89-28(8-89)

Title Spurwink River Bridge no. 2796 : interim report # 1

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Aug. 1989

Keywords bridges-Maine
protective coatings
zinc coatings

Location drawer

Call Number 86E

Title Base drainage project-Monticello, Maine : interim report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Aug. 1989

Keywords road drainage-Maine

Location drawer

Call Number 87-02

Author Weeks, R.

Title Performance of painted traffic lines with six and four-and-one-half
lbs of beads per gallon

Subtitle Experimental construction 87-02 : construction and final report

Publisher Maine Dept. of Transportation

Date Sep. 1989

Location shelf

Call Number 86C

Author Ohno, T.

Title Determination of levels of free cyanide in surface and in ground waters affected by MDOT salt storage facilities

Subtitle Final report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Sep. 1989

Keywords cyanides
drinking water-Maine-sodium content
groundwater-Maine-pollution
groundwater-Maine-sodium content

Location shelf

Call Number 89-11

Author Nightingale, R.

Author 2 Panchang, V.

Title Riprap specification for bridge structure protection : final report

Publisher **Maine Dept. of Transportation**

Date Oct. 1989

Keywords bridges-Maine-design and construction

Location shelf

Call Number 88-1(10-89)

Author Alley, Mark D.

Title Cathodic protection for the Jonesport-Beals concrete bridge deck : interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Oct. 1989

Keywords bridges-Maine-floors

Location shelf

Call Number 89-21

Title Hazardous waste survey

Publisher **Maine Dept. of Transportation**

Date Oct. 1989

Keywords MDOT hazardous waste

Location drawer

Call Number 89-48(10-89)

Title Experimental retaining wall, Turner, Maine

Subtitle Construction report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Oct. 1989

Keywords geotextiles
retaining walls-Maine

Location drawer

Call Number 88-11(11-89)

Title Freeze protection of a bituminous concrete bridge deck wearing surface with Verglimit : construction report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Nov. 1989

Keywords bridges, concrete-Maine-floors
bridges-Maine-snow and ice control

Location drawer

Call Number 89-2

Author Rand, D.

Author 2 Casey, J.

Title Materials characterizations for development of an overlay design procedure : final report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Nov. 1989

Keywords pavements-Maine-overlays
pavements, bituminous

Location shelf

Call Number 88-8510

Title Curing boxes for concrete cylinders

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section.

Publisher Location Augusta, Me.

Date Nov. 1989

Keywords concrete-curing

Location drawer

Call Number 88-8511

Title Effects of HRWR and retarders on concrete temperatures

Publisher **Maine Dept. of Transportation**

Date Nov. 1989

Location drawer

Call Number 86-03

Title Experimental bituminous concrete overlay on I-95, Bangor, Maine, utilizing latex and/or plastic granular extenders as additives

Subtitle Interim report, third year evaluation

Publisher Maine Dept. of Transportation

Publisher Location Augusta, ME

Date Dec. 1989

Keywords pavements-Maine-overlays

Location drawer

Call Number 90-8(12-89)

Author Hamilton, C. Donald

Title Benchmark for Maine Department of Transportation's A588
weathering steel

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1989

Keywords bridges, iron and steel-maintenance and repair
steel, structural-corrosion

Location shelf

Call Number 89-6

Author Bernhardt, David

Author 2 Foley, Bradford

Title Evaluate the sensitivity of the new AASHTO pavement design
procedures

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Dec. 1989

Keywords pavements, flexible-Maine

Location shelf

Call Number 90-00

Title An evaluation of the cyclic triaxial test

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date 1990?

Abstract Discusses the evolution and assessment of the cyclic triaxial test.

Keywords shear strength of soils-testing
soils-testing

Location shelf

Call Number COM 10

Title TINIS : Transportation Integrated Network Information System. Vol.
1, System overview manual

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1990

Keywords transportation-information services-Maine

Location lib special collection

SA computer systems; ME DOT 1988.13

Call Number COM 12

Title State of Maine MFASIS human resource system : volume 1 : line agency manual

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1990

Keywords Maine-accounting
Maine-data processing
Maine Financial and Administrative Statewide Information Systems

Location lib special collection

SA computer systems

Call Number 88-1(1-90)

Author Alley, Mark D.

Title Cathodic protection for the Jonesport-Beals concrete bridge deck : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan. 1990

Abstract Discusses the inspection of an overlay cathodic protection system installed as a rehabilitation measure to the deck of a Maine bridge. This system uses a Ferex 100 mesh anode and an eight-zone constant voltage rectifier.

Keywords bridges-Maine-floors
cathodic protection

Location shelf

Call Number 86-02(1-90)

Title Performance of sawed and filled longitudinal joints between the travelway and the paved shoulders of a bituminous concrete pavement : interim report, 3rd year evaluation

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan. 1990

Keywords roads-Maine-shoulders-joints

Location drawer

Call Number 87F(1-90)

Title Evaluation of water based, lead and chromium free bridge maintenance coating systems : interim report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Jan. 1990

Abstract At head of title: Experimental construction 87F.

Keywords bridges-Maine-maintenance and repair

protective coatings

Location drawer

Call Number 90-26

Author Redmond, Michael

Title Polypropylene fibers in concrete

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Feb. 1990

Abstract At head of title: Problem solving 90-26.

Keywords concrete-additives
polypropylene fibers

Location drawer

Physical Description [2] leaves

Call Number 3-1990

Title The use of tire rubber in pavements

Subtitle Preliminary report

Publisher Maine Dept. of Transportation

Date Mar. 1990

Abstract This report discusses the use of ground tire rubber in highway pavements. It also suggests alternative uses of tires in highway construction.

Keywords asphalt-rubber

Location shelf

Call Number 73A(3-90)

Title Culvert study

Subtitle Interim report

Publisher Maine Dept. of Transportation

Date Mar. 1990

Keywords culverts-Maine

Location drawer

Call Number 88-3713

Title Nuclear asphalt content gauge

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Mar. 1990

Abstract At head of title: Problem solving 88-3713.

Keywords asphalt
pavements, bituminous-testing

Location drawer

Call Number 90-34

Title Investigation of flexible gutter system

Publisher Maine Dept. of Transportation

Date Mar. 1990

Keywords bridges-Maine-drainage systems
bridges-Maine-floors-joints
flexible gutters

Location drawer

Call Number 90-23

Title Comparison of field vs. laboratory extractions

Publisher Maine Dept. of Transportation

Date Mar. 1990

Location drawer

Call Number 89-32

Author Berthiaume, Guy A.

Title Class "A" concrete with high range water reducer

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Mar. 1990

Keywords pavements-Maine-design and construction
pavements-Maine-performance
concrete-expansion and contraction

Location drawer

Call Number 88-12(3-90)

Title Densification of portland cement shotcrete with a silica fume additive
on a bridge pier rehabilitation project

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1990

Keywords concrete-additives; silica fume

Location drawer

Call Number 84-03

Author Hsu, Martha T.

Title Protective coatings for structural steel : technical paper 84-03 : final
report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Apr. 1990

Abstract This report discusses Maine's experience with experimental projects
using a variety of bridge coating systems.
FHWA Demonstration Project # 4.

Keywords steel, structural
protective coatings
corrosion and anti-corrosives
galvanizing
bridges, iron and steel

Location shelf

Call Number 90-32

Author Earle, Christopher

Title Seasonal variation in stockpiles for bituminous aggregate

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Apr. 1990

Abstract "Problem Solving 90-32"

Keywords aggregates (building materials)

Location drawer

Call Number 87-04

Title Experimental utilization of a prefabricated drainage structure :
(Interim report)

Publisher **Maine Dept. of Transportation**, Technical Services Division

Publisher Location Augusta, Me.

Date May 1990

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 87-03

Title Densification of portland cement concrete pier columns and upstream
concrete bridge curb using silica fume : interim report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date May 1990

Keywords bridges-design and construction-Maine
concrete-additives
silica fume

Location drawer

Call Number 89-41

Title Determination of CaO + SO₃ content in cement by atomic absorption
spectrometry

Publisher **Maine Dept. of Transportation**

Publisher Location [Augusta, Me.]

Date May 1990

Keywords portland cement-analysis
concrete-testing
concrete-solubility

Location drawer

Call Number 89-37(4-90)

Title Use of a silica fume in a AAA portland cement concrete wearing
surface

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date May 1990

Abstract Construction report.

Keywords silica fume
bridges-Maine-Lewiston
bridges, concrete

Location drawer

Call Number 84B

Title Use of "Tensar" and Bates "Terra Firma" for subgrade stabilization :
final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1990

Keywords pavements-maintenance and repair
pavements, asphalt
pavements, bituminous

Location drawer

Call Number 88-01(5-90)

Title Experimental utilization of drainage material as an underdrain in
Plymouth and Etna, Maine

Subtitle Interim report, 2nd year

Publisher Maine Dept. of Transportation

Date May 1990

Keywords road drainage-Maine; edge drains

Location drawer

Call Number 5-1990

Title Recycling summary 1989. Projects : Steuben; Unity; Topsham-
Richmond

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date May 1990

Keywords recycling

Location drawer

Call Number 90-22

Author Shirland, Nancy M.

Title Nuclear density : where do we go from here?

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date May 1990

Abstract "Problem Solving 90-22"

Keywords pavements, asphalt-testing
pavements, asphalt-evaluation

Location drawer

Call Number 90-31

Author Anderson, Joseph H.

Title Further investigation of thin lift nuclear gage

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date May 1990

Abstract "Problem Solving 90-31"

Keywords pavements, asphalt-testing

Location drawer

Call Number 90-35

Author Crossman, James

Title Ash content of extracted solvent/bituminous solution from vacuum extraction process

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date May 1990

Abstract "Problem Solving 90-35"

Keywords pavements, bituminous
bitumen-testing

Call Number 87-01

Title Experimental utilization of a fabric-asphalt crack reduction pavement interlayer in Paris, Maine : (interim report, 3rd year)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1990

Keywords pavements, asphalt-Maine-cracking

Location drawer

Call Number 89-48(6-90)

Title Experimental retaining wall, Turner, Maine : interim report, first year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1990

Keywords retaining walls-Maine

Location drawer

Call Number 89-7

Author Madden, D.

Author 2 Rand, D.

Author 3 Dunphy, W.

Title Correlation of frost depth, thaw periods and pavement deflection to spring load restrictions : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1990

Abstract Final report on a research project designed to find a more objective method of selecting the date to restrict heavy loads on thawing roadways.
Report no. FHWA ME 89 7.

Keywords roads-Maine-frost damage
trucks-Maine-weight

Location shelf

Physical Description book ; 33 p.

Call Number 88-04

Title Experimental utilization of a stress absorbing membrane in
Plymouth, Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1990

Abstract Reports on an overlay placed on southbound lanes of I-95. The project utilized surface milling previous to the overlay to reduce future reflective cracking. Within this project twenty-five severe cracks were treated with a stress-absorbing membrane after milling and before bracing the overlay.
"Experimental construction 88-04"

Keywords pavements, asphalt concrete-Maine
roads-Maine-maintenance and repair

Location shelf

Call Number 88-02(6-90)

Author Dunn, Philip A.

Title Reinforcement geotextile used in highway embankment construction

Subtitle Interim report

Publisher Maine Dept. of Transportation

Date Jun. 1990

Keywords geotextiles; roads-Maine-embankments

Location drawer

Call Number 90-29

Author Lawler, Harry

Title Appropriateness of IA comparison tolerances

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jun. 1990

Abstract "Problem solving 90-29"

Location drawer

Call Number 88-05(7-90)

Title Experimental utilization of a stress absorbent membrane interlayer in
Kennebunk, Maine (Interim report, 2nd year)

Publisher Maine Dept. of Transportation

Date Jul. 1990

Keywords roads-Maine-maintenance and repair

Location drawer

Call Number 90-2

Author Nunan, Theresa

Title A review and experimentation of gravel stabilization methods : executive summary

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1990

Abstract This report discusses experiments to stabilize low quality aggregate so that it can be successfully used as base material.
Report no. FHWA ME 90 2.

Keywords roads-Maine-base courses
soil stabilization-Maine
aggregates (building materials)-Maine

Location shelf

Physical Description book ; v, 53 p. ; bibliographical references

Corporate Responsib University of Maine

Call Number 88-06 A,B,C(7-90)

Author Hamilton, C. Donald

Title Evaluation of bridge wick drains : interim report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Jul. 1990

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 90-47

Title Use of a crack sealant in a portland cement concrete wearing surface

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Jul. 1990

Abstract "Problem Solving 90-47"

Keywords pavements-Maine-cracking
portland cement-Maine
crack sealant

Location drawer

Call Number 90-2 (7-90)

Author Nunan, Theresa A.

Author 2 Humphrey, Dana N.

Title A review and experimentation of gravel stabilization methods

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jul. 1990

Keywords roads-Maine-base courses
soil stabilization-Maine
aggregates (building materials)-Maine

Location shelf

Physical Description book ; xvii, 356, A-14, B-19, C-7, D-7, E-5, F-7 p. ; bibliographical references

Corporate Responsib University of Maine, Dept. of Civil Engineering

Call Number 84-02

Author Madden, Donald

Title Evaluation of carbon black : final report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location [Augusta, Me.]

Date Aug. 1990

Abstract Experimental construction 84-02 .
This report discusses the relative performance after 70 months of service of a bituminous pavement containing the additive carbon black.

Keywords carbon-black
pavement, bituminous

Location shelf

Physical Description [6] p.

Call Number 85-02

Author Madden, Donald A.

Title Evaluation of anti-stripping agent, Grand Isle-Madawaska : final report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Aug. 1990

Abstract Experimental construction 85-02.
The aggregate from some sources in Northern Maine is susceptible to minor asphalt stripping. In 1985 a test section containing an anti-stripping additive (Kling XX) was constructed on a highway in northern Maine, with an adjacent lane set up as a control. Samples were taken and analyzed during five years of annual inspections. It was found that the anti-stripping agent had no effect on the quality of the wearing surface relative to aggregate loss.

Keywords aggregates (building materials)
pavements, bituminous

Location shelf

Physical Description [7] p.

Call Number 86G(8-90)

Author Redmond, Michael

Title Evaluation of silica fume in a wearing surface, Middle Bridge # 3341
(Eastern River), Dresden, Maine

Publisher **Maine Dept. of Transportation**

Date Aug. 1990

Abstract Interim report.
At head of title: Experimental construction 86G.

Keywords bridges-Maine
portland cement
silica fume

Location drawer

Physical Description book ; 2, [1] p.

Call Number 86F(8-90)

Author Kennedy, Donald O.

Title Evaluation of silica fume in a wearing surface, Passadumkeag Bridge
2649

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Aug. 1990

Abstract Interim report.
At head of title: Experimental construction 86F.

Keywords bridges-Maine
portland cement
silica fume

Location drawer

Call Number 91-6(8-90)

Title Recycling summary. Inspection of 1990. Projects : Steuben; Unity;
Topsham-Richmond

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Aug. 1990

Keywords recycling

Location drawer

Call Number 90-24

Author Kennedy, Donald O.

Title Synthesis of portland cement concrete patch materials

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Aug. 1990

Keywords roads-maintenance and repair-materials

Location shelf

Call Number 86-03(9-90)

Title Experimental bituminous concrete overlay on I-95 Bangor, Maine
utilizing latex and/or plastic granular extenders as additives

Subtitle Interim report, fourth year evaluation

Publisher Maine Dept. of Transportation

Date Sep. 1990

Keywords pavements-Maine-overlays

Location drawer

Call Number 88-02(9-90)

Title Reinforcement geotextile used in highway embankment construction :
interim report

Subtitle Interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep. 1990

Abstract Experimental construction 88-02.

Keywords geotextiles
roads-Maine-embankments

Location drawer

Title Evaluation of weathering steel guardrail posts

Publisher [Maine Dept. of Transportation]

Publisher Location [Augusta, Me.?)

Date Sep. 1990

Abstract Unpublished report.
Contains original photographs in plastic holders.

Keywords roads-guard fences-evaluation
bridges, iron and steel-Maine-evaluation

Location shelf

Call Number 89-28(10-90)

Title Spurwink River Bridge no. 2796 : second year interim report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Oct. 1990

Keywords bridges-Maine
protective coatings
zinc coating

Location drawer

Call Number 89-02(10-90)

Title Comparisons of milled and non-milled pavements with overlays in
Medway, Maine : construction report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Oct. 1990

Keywords pavements-Maine-maintenance and repair
pavements-Maine-overlays
recycling
milling

Location drawer

Call Number 84-01

Author Madden, Donald A.

Title Evaluation of various blend ratios for recycled asphalt mixes

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Nov. 1990

Abstract Reports on experimental construction to evaluate the relative performance of different compositions of recycled pavement and virgin pavement in terms of reflective cracking.

Keywords pavements, asphalt-Maine-cracking
asphalt, recycled

Location shelf

Physical Description 4 leaves

Call Number 87F(11-90)

Title Evaluation of water based, lead and chromium free bridge maintenance coating systems : 3rd interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Nov. 1990

Abstract At head of title: Experimental construction 87F.

Keywords bridges-Maine-maintenance and repair
protective coatings

Location drawer

Call Number 86D(11-90)

Title Clamshells : an alternative mulch for ornamental landscape beds

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Nov. 1990

Abstract Interim report

Keywords mulching-Maine
clamshells as mulch

Location drawer

Call Number 87C

Title Jonesport-Beals Bridge deck rehabilitation : interim report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Nov. 1990

Keywords bridges-Maine-floors
bridges, concrete-Maine

Location drawer

Call Number 91-13

Title Frozen block testing of "Paveprep" fabric

Publisher Maine Dept. of Transportation

Date Nov. 1990

Keywords bridges-Maine-floors; bridge deck membrane; Paveprep

Location drawer

Call Number 90-1

Author Snow, M.

Author 2 Kahl, J.S.

Title Geochemistry of high salinity solutions in Maine surficial and bedrock aquifers : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1990

Abstract Discusses detailed chemical and isotopic analyses of high salinity domestic wells in Maine that have differentiated between relict seawater trapped during Quaternary continental deglaciation, contamination from road salt or leachate from salt storage facilities, and modern seawater intrusion.

Keywords drinking water-Maine-sodium content
road salt contamination

Location shelf

Call Number 86-02(12-90)

Author Rand, David

Title Performance of sawed and filled longitudinal joints between the travelway and the paved shoulders on a bituminous concrete pavement : interim report, 4th year evaluation

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1990

Keywords roads-Maine-shoulders-joints

Location drawer

Call Number 88-12(12-90)

Title Densification of portland cement shotcrete with a silica fume additive on a bridge pier rehabilitation project

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1990

Abstract Interim report.
At head of title: Experimental construction 88-12.

Keywords concrete-additives
bridges-maintenance and repair
silica fume

Location drawer

Call Number 4-1991

Title New York round robin test results

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Bangor, Me.

Date 1991

Location shelf

Call Number 88-07D

Author Kennedy, Donald O.

Title Use of silica fume in a wearing surface : construction report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1991

Keywords silica fume
bridges-Maine-Brunswick

Location drawer

Call Number 90-19(2-91)

Author Martha T. Hsu

Title Millinocket State Street bridge no. 0909 : construction report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me

Date Feb. 1991

Keywords bridges-Maine-Millinocket
zinc coatings

Location drawer

Call Number 89-01(2-91)

Author Hsu, Martha T.

Title Corrosion protection of a steel bridge with a one-coat waterborne self-curing inorganic zinc coating system : construction report

Publisher **Maine Dept. of Transportation**

Publisher Location [Augusta, Me.]

Date Feb. 1991

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
zinc coatings

Location drawer

Call Number 88-03

Author Berthiaume, Guy A.

Title Use of a silica fume in a curb

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1991

Abstract Construction report

Keywords silica fume
bridges-Maine-New Sharon

Location drawer

Call Number 88-1

Author Alley, Mark D.

Title Cathodic protection for the Jonesport-Beals concrete bridge deck :
final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.]

Date Feb. 1991

Abstract This report describes the selection, design, and construction of an overlay bridge deck cathodic protection system and discusses problems encountered. It also presents the results of the investigation and provides recommendations for the operation of other such systems. Report no. FHWA ME 88 1.

Keywords bridges-Maine-floors

Location shelf

Call Number 91-11

Author Bradbury, Richard L.

Title Determination of minimum sample weight for sieve analysis

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Bangor, Me.?

Date Feb. 1991

Abstract "Problem Solving 91-11"

Keywords aggregates (building materials)-testing

Location drawer

Call Number 90-21

Author Berthiaume, Guy A.

Title Effect of reducing the dosage of silica fume additives in PCC mixes

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date Feb. 1991

Abstract "Problem Solving 90-21"

Keywords silica fume
concrete-additives

Location drawer

Call Number 91-24

Author Shirland, Nancy M.

Author 2 Anderson, Joseph H.

Title Continued evaluation of the nuclear thin lift gauge

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1991

Series Testing problem solving ; 91-24

Keywords radioactive gages-evaluation
pavements, asphalt-testing

pavements, asphalt-evaluation

Location shelf

Call Number 90-33

Author Osgood, James E.

Title Review of solvents for use in bituminous extraction

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1991

Series Testing problem solving ; 90-33

Keywords pavements, bituminous
bitumen-testing

Location drawer

Call Number 88-09

Author Berthiaume, Guy A.

Author 2 Kennedy, Donald O.

Title Use of silica fume admixture in portland cement concrete bridge curbs

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section.

Publisher Location Augusta, Me.

Date Mar. 1991

Abstract Construction report

Keywords silica fume
bridges-Maine

Location drawer

Call Number 88-10 & 90-01b

Author Berthiaume, Guy A.

Author 2 Kennedy, Donald O.

Title Comparative study of silica fume PCC mixes and silica fume plus
polypropylene pcc mixes in a bridge curb project : construction report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1991

Keywords bridges-Maine-Brunswick
curbs
portland cement-Maine-additives
silica fume

Location drawer

Call Number 91-23

Author Bradbury, Richard L.

Title Asphalt content gauge calibration and test procedures

Publisher **Maine Dept. of Transportation**

Publisher Location [Augusta, Me.]

Date Mar. 1991

Abstract At head of title: Testing problem solving 91-23.

Keywords bituminous materials-Maine-testing
pavements, asphalt-Maine-testing

Location drawer

Physical Description 17 leaves

Call Number 72-A(3-91)

Title Roque Bluffs experimental paint testing site : interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1991

Keywords protective coatings

Location drawer

Call Number 91-14

Author Hsu, Martha T.

Title Recycle and reuse alternatives for sandblast waste material

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1991

Abstract "Problem Solving 91-14"

Keywords lead based paint-removal
bridges-maintenance and repair
hazardous waste

Location drawer

Call Number 91-12

Author DeStefano, Francis

Title Investigation of factors effecting compressive strength of cement
cube specimens

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1991

Series Testing problem solving ; 91-12

Keywords concrete-testing
strength of materials

Location drawer

Call Number 91-30

Title Evaluation of A588 weathering steel guardrail lap splices

Publisher **Maine Dept. of Transportation**

Date Mar. 1991

Abstract (This appears to be the master copy.)
"Problem Solving 91-30"

Keywords roads-Maine-guard fences-evaluation

Location shelf

Call Number 91-31

Author Rand, David

Title Evaluation of a gyratory testing machine : a Corps of Engineers
gyratory testing machine model 4 C

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Mar. 1991

Abstract "Problem Solving 91-31"

Keywords pavements, asphalt-testing
binders (materials)
compacting

Location shelf

Call Number 91-37

Author Crossman, James

Title The necessity of the heat resistant boards in the thin film oven test
(AASHTO T179)

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Mar. 1991

Abstract "Problem Solving 91-37"

Keywords pavements, asphalt concrete-testing

Location drawer

Call Number 89-04(4-91)

Title Corrosion protection of a new steel girder bridge : initial report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Apr. 1991

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings
protective coatings

Location drawer

Call Number 89-05(4-91)

Author Hsu, Martha T.

Title Corrosion protection of a steel girder bridge : initial report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1991

Keywords bridges, iron and steel-Maine
epoxy coatings
protective coatings

Location drawer

Call Number 91-25

Author Priest, Jane

Title Fracture and elongation round robin

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1991

Abstract "Problem Solving 91-25"

Keywords aggregates (building materials)-testing

Location drawer

Call Number 91-33

Author Norton, Richard

Title Reviewing base and binder pavement for compaction compliance

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1991

Abstract "Problem Solving 91-33"

Keywords roads-base courses

Location drawer

Call Number 88-06 A,B,C(5-91)

Title Evaluation of bridge wick drains : second interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1991

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 91-8

Title Strength of recycled plastic structural section

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1991

Keywords plastics-recycling
plastics-testing

Location drawer

Call Number 87-04(5-91)

Title Experimental utilization of a prefabricated drainage structure

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date May 1991

Abstract Interim report

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 5-1991

Author Rand, David

Title Seasonal variation subgrade factors for Maine soils : final report

Publisher Maine Dept. of Transportation

Date May 1991

Keywords soils-subgrades-Maine

Location shelf

Call Number 91-28

Author Anderson, Joseph H.

Title Review of random number selection

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1991

Series "Problem Solving 91-28"

Keywords pavements, asphalt-testing

Location drawer

Call Number 91-32

Author Norton, Richard

Title Comparison of bituminous mix design to field mixes with varying gradations

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jun. 1991

Abstract "Problem Solving 91-31"

Location drawer

Call Number 89-48(6-91)

Title Experimental retaining wall, Turner, Maine : interim report, second year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1991

Keywords geotextiles
retaining walls-Maine

Call Number 87-01(6-91)

Title Experimental utilization of a fabric-asphalt crack reduction pavement interlayer in Paris, Maine : (interim report, 4th year)

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jun. 1991

Abstract At head of title: Experimental construction 87-01.

Keywords pavements, asphalt-Maine-cracking

Location drawer

Physical Description [4] leaves

Call Number 88-02

Author Dunn, Philip A.

Title Reinforcement geotextile used in highway embankment construction

Subtitle Interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1991

Keywords geotextiles
roads-Maine-embankments

Location drawer

Call Number 91-45

Title Variation of thin lift results with magnesium block

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1991

Abstract "Testing Problem Solving 91-45"

Keywords pavements, asphalt-testing
pavements-overlays-evaluation

Location drawer

Call Number 88-05(7-91)

Title Experimental utilization of a stress absorbent membrane in Peru and a stress absorbent membrane interlayer in Kennebunk, Maine : interim report, 3rd year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1991

Keywords roads-Maine-maintenance and repair

Location drawer

Call Number 89-02(7-91)

Author Dunphy, Wilbur J.

Title Comparison of milled and non-milled pavements with overlays in Medway, Maine : first interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1991

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location drawer

Call Number 90-1A, 1C & 1D

Author Berthiaume, Guy A.

Title The effects of polypropylene fibers in a portland cement concrete

(PCC) that contains a silica fume admixture

Publisher Maine Dept. of Transportation, Technical Services Division,
Research & Development Section

Publisher Location Augusta, Me.

Date Jul. 1991

Keywords polypropylene fibers
silica fume
portland cement

Location drawer

Call Number 90-4

Author Rand, D.

Title Identification of significant factors contributing to the extended
performance of flexible pavements : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep. 1991

Abstract Reports on a study carried out to determine why a selected group of
projects had performed better than average.
Report no. FHWA ME 89 7.

Keywords pavements, flexible-Maine
roads-design and construction-Maine
pavements-evaluation-Maine

Location shelf

Call Number 88-11(10-91)

Title Freeze protection of a bituminous concrete bridge deck wearing
surface with Verglimit : interim report. Second year evaluation

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Oct. 1991

Keywords bridges, concrete-Maine-floors
bridges-Maine-snow and ice control

Location drawer

Call Number 91-6

Title Summary of cold in-place recycling : inspection of 1991

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Oct. 1991

Keywords pavements, asphalt-Maine-recycling

Location drawer

Call Number 90-3(10-91)

Author Dagher, Habib J.

Author 2 Elgaaly, Mohammed

Author 3 Kankam, James A.

Title Skew slab bridges with integral slab abutments. Volume 1, Design guide : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1991

Abstract The Maine DOT called for the development of a simplified design method for Skew Slab Bridges with Integral Slab Abutments, and for the analysis of the Smith Bridge in Chester. The proposed design method gives coefficients which convert the moments, shears, and deflections obtained from a plane frame analysis to those that would be obtained from a 3-dimensional finite element analysis of the bridge. Once the 3-dimensional analysis results are obtained, it is the responsibility of the engineer to design the various components of the bridge. This report consists of 6 volumes, of which this is the first. It is a design guide which also includes some background information.

Keywords bridges, concrete-design and construction
bridges, concrete-testing
bridges-Maine-Chester-evaluation
SKEWSLAB (computer program)

Location shelf

Physical Description book ; 47 p. ; bibliographical references

Corporate Responsib University of Maine.

Call Number 90-3

Author Dagher, Habib J.

Title Skew slab bridges with integral slab abutments. Volume II : design curves. Final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1991

Keywords bridges, concrete-design and construction
bridges, concrete-testing
bridges-Maine-Chester-evaluation
SKEWSLAB (computer program)

Location shelf

Call Number 90-3(10-91a)

Title Skew slab bridges with integral slab abutments. Volume III : computer program SKEWSLAB : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1991

Keywords bridges, concrete-design and construction
bridges, concrete-testing
bridges-Maine-Chester-evaluation
SKEWSLAB (computer program)

Location shelf

Physical Description book ; 61 p.

Call Number 90-3(10-91b)

Author Dagher, Habib J.

Title Skew slab bridges with integral slab abutments. Volume IV, Analysis of Smith Bridge. Final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1991

Keywords bridges, concrete-design and construction
bridges, concrete-testing
bridges-Maine-Chester-evaluation
SKEWSLAB (computer program)

Location shelf

Physical Description book ; 17 p.

Call Number 90-3(10-91c)

Author Dagher, Habib J.

Title Skew slab bridges with integral slab abutments. Volume V : Fortran listings of SAP pre- and post processors. Final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1991

Abstract This volume describes, then lists, the source codes of various pre- and post-processor programs that were developed during the course of the study.

Keywords bridges, concrete-design and construction
bridges, concrete-testing
bridges-Maine-Chester-evaluation
SKEWSLAB (computer program)

Location shelf

Physical Description book ; 167 p.

Call Number 90-3(10-91d)

Author Dagher, Habib J.

Title Skew slab bridges with integral slab abutments. Volume VI, Results of nationwide survey. Final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date Oct. 1991

Keywords bridges, concrete-design and construction
bridges, concrete-testing
bridges-Maine-Chester-evaluation
SKEWSLAB (computer program)

Location shelf

Call Number 92-4

Author Madden, Donald

Title Evaluate the performance of underdrain pipes : final report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Nov. 1991

Abstract The objective of this study was two-fold: to determine the effectiveness of video inspection technology for evaluating in-place underdrains and to determine if performance problems existed with the inspected underdrains.

Keywords road drainage-Maine
photography in road inspection

Location shelf

Call Number 91-04(12-91)

Title Segmental precast rigid frame bridge trial

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Keywords bridges-Maine-design and construction
bridges-Maine-Gorham

Location drawer

Call Number 89-28(12-91)

Title Spurwink River bridge no. 2796 : third year interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Abstract Experimental construction 89-28.

Keywords bridges-Maine
protective coatings
zinc coatings

Location drawer

Call Number 90-41

Title Review of aggregate laboratory tests

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Keywords aggregates (building materials)-testing

Location drawer

Call Number 91-29

Title Belt samples versus diversion of belt material for bituminous aggregate acceptance

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Keywords aggregates (building)-testing

Location drawer

Call Number 86-02

Author Rand, David

Title Performance of sawed and filled longitudinal joints between the

travelway and the paved shoulders on a bituminous concrete pavement : experimental construction 86-02 : final report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1991

Abstract The objective of this study was to determine if a purposely sawed longitudinal joint at the shoulder-roadway lane will act as a barrier that will prevent a transverse crack from migrating from a paved shoulder into the roadway or vice-versa.

Keywords roads-Maine-shoulders-joints

Location shelf

Call Number 92-34(12-91)

Author Moreau, Michael

Author 2 Humphrey, Dana

Title Field trial of gravel stabilization methods, Route 1, Van Buren, Maine : construction report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Abstract "Experimental construction 92-34."

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location shelf

Physical Description book ; 191 p.

Corporate Responsib University of Maine

Call Number 90-8

Author Hamilton, C. Donald

Title Supplemental benchmarks for technical report 90-8 benchmarks for Maine Dept. of Transportation A588 weathering steel

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Abstract This report supplements a previous MDOT report on bridges constructed with A588 weathering steel. Nine additional highway bridges were inspected in depth and another five highway bridges were benchmarked to provide reference points to establish whether loss of section occurs over time. These bridges also received in-depth inspections.

Keywords bridges, iron and steel-Maine
bench-marks--Maine
bridges, steel plate deck

Location shelf

Call Number 86-03(12-91)

Title Experimental bituminous concrete overlay on I-95 Bangor, Maine utilizing latex and/or plastic granular extenders as additives

Subtitle Experimental construction 86-03 : final report

Publisher Maine Dept. of Transportation

Date Dec. 1991

Location shelf

Call Number 92-34(12-91)

Author Moreau, Michael

Title Field trial of gravel stabilization methods

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1991

Abstract "Experimental construction 92-34."

Gravel stabilization is a potential method of improving the performance of weak base course aggregates. Previous research determined that soil-cement, asphalt, and calcium chloride stabilized subbase aggregate were potentially appropriate stabilization methods in terms of constructability, improved strength, and improved durability. MDOT sponsored construction of a full-scale experimental highway section to evaluate the constructability and short-term performance of these stabilization methods. The ability to predict field performance from laboratory tests was also evaluated.

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location shelf

Corporate Responsib University of Maine

Call Number 1991a

Title Portland cement concrete plant report 1991

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date 1992?

Abstract This report summarizes concrete plant production as it relates to the MDOT for the calendar year 1991.

Location shelf

Call Number COM 7

Author King, F.

Title CICS screen reference

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1992

Abstract This guide is intended to provide to Maintenance and Operations

personnel a brief overview of available online information that can be accessed using the CICS software package.

Location lib special collection

SA computer systems

Call Number COM 9

Title TINIS : Transportation Integrated Network Information System. Vol. II, Data dictionary manual

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1992

Keywords transportation-information services-Maine

Location lib special collection

SA computer systems; ME DOT 1988.13

Call Number 91-02(1-92)

Author Rand, David W.

Title Crack sealing before overlaying an asphalt concrete surface : construction report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jan. 1992

Abstract Experimental construction 91-02.

Keywords pavements, asphalt concrete-Maine-cracking
pavements-Maine-overlays

Location drawer

Physical Description 20 p.

Call Number 89-05(1-92)

Author Hsu, Martha T.

Title Corrosion protection of a steel girder bridge : first year interim report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jan. 1992

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings

Location drawer

Call Number 89-03

Author Berthiaume, Guy A.

Title Densification of portland cement concrete curbs and sidewalks using a silica fume additive

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1992

Abstract Construction report

Keywords concrete-additives

silica fume
curbs
sidewalks

Location drawer

Call Number 89-04(1-92)

Title Corrosion protection of a new steel girder bridge : first year interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1992

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings
protective coatings

Location drawer

Call Number 90-19(1-92)

Title Millinocket state bridge no. 0909 : first year interim report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Jan. 1992

Abstract Experimental project 90-19.

Keywords bridges-Maine-Millinocket
zinc coatings

Location drawer

Call Number 92-16

Author Redmond, Michael

Title Darex corrosion inhibitor (DCI) vs. mitigating corrosion inhibitor (MCI) 2020 : construction report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1992

Keywords bridges, Maine-maintenance and repair
corrosion and anti-corrosives-Maine
silica fume

Location drawer

Call Number 87F

Title Evaluation of water-based, lead- and chromium-free bridge maintenance coating systems : fourth interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section.

Publisher Location Augusta, Me.

Date Jan. 1992

Keywords bridges-Maine-maintenance and repair
protective coatings

Location drawer

Call Number 86D

Author Michaud, Sylvia

Title Clamshells : an alternative mulch for ornamental landscape beds :
final report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1992

Abstract Two experimental plots were established to determine if waste clamshells could be an effective mulch for ornamental landscape beds.

Keywords mulching-Maine

Location shelf

Call Number 90-5

Author Kolb, Melissa

Title Evaluation of bridge deck wearing surfaces and protective systems

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1992

Abstract The different wearing surface systems used by the MDOT were evaluated for their effectiveness in reducing penetration chlorides into the deck concrete and their durability in providing a smooth riding surface.
Report no. FHWA ME 90 5.

Keywords bridges-Maine-floors
protective coatings

Location shelf

Corporate Responsib University of Maine

Call Number 90-27

Author Spencer, Paul E.

Title Curb reinforcement

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Date Jan. 1992

Abstract "Problem Solving 90-27"

Keywords curbs
bridges-Maine

Location drawer

Call Number 91-36

Title A review and evaluation of the present Washington degradation specification for bituminous mixes

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords bituminous materials-testing
pavements
pavements, bituminous
concrete-quality control

Location drawer

Call Number 88-12

Author Redmond, Michael

Title Densification of portland cement shotcrete with a silica fume additive on a bridge pier rehabilitation project : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords concrete-additives
silica fume

Location drawer

Call Number 88-08

Author Ruhlin, Robert

Title Densification of a portland cement concrete (pcc) bridge curb using a silica fume additive : construction report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords silica fume
concrete-additives
portland cement
bridges-Maine-design and construction

Location drawer

Call Number 89-01(2-92)

Title Corrosion protection of a steel bridge with a one-coat waterborne self-curing inorganic zinc coating system : first year interim report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
zinc coatings

Location drawer

Call Number 90-02

Author Berthiaume, Guy A.

Title Use of silica fume in a wearing surface : construction report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section.

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords silica fume

bridges-Maine-Brunswick

Location drawer

Call Number 86F

Author Redmond, Michael

Title Evaluation of silica fume in a wearing surface : Passadumkeag
Bridge # 2649

Subtitle Interim report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research & Development Section

Publisher Location Augusta, Me.

Date Feb. 1992

Abstract A bridge in Passadumkeag, Maine was selected to be one of the first bridges to utilize a silica fume admixture in a portland cement concrete wearing surface. An evaluation is being done of the effect of the silica fume on corrosion protection, compressive strength and durability.

Keywords bridges-Maine; portland cement; silica fume

Location drawer

Call Number 86G

Author Redmond, Michael

Title Evaluation of silica fume in a wearing surface : Middle Bridge #
3341, Dresden, Maine

Subtitle Interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords bridges-Maine-Portland cement; silica fume

Location drawer

Call Number 87 L(2-92)

Author Redmond, Michael

Title Use of a silica fume concrete in a bridge rehabilitation project :
interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1992

Keywords bridges-Maine-maintenance and repair
portland cement-Maine
silica fume

Location drawer

Call Number 91-34

Author Stedman, Richard

Title Performance of interstate rehabilitation strategies

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Mar. 1992

Keywords roads-Maine-maintenance and repair

Location drawer

Call Number 90-3(4-92)

Author Hamilton, C. Donald

Title Construction of flexible gutter system under steel finger bridge joint
(construction report)

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Apr. 1992

Keywords bridges-Maine-drainage systems
bridges-Maine-floors-joints

Location drawer

Call Number 89-37(4-92)

Author Redmond, Michael

Title Use of a silica fume in a AAA portland cement concrete wearing
surface : interim report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Apr. 1992

Keywords silica fume
portland cement-Maine

Location drawer

Call Number 90-04

Author Berthiaume, Guy A.

Title Experimental use of granulated blast-furnace slag in a portland
cement concrete precast bridge deck

Publisher **Maine Dept. of Transportation**, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1992

Abstract Construction report

Keywords bridges-Maine-Turner-maintenance and repair
portland cement
slag

Location drawer

Call Number 91-10

Author Hamilton, C. Donald

Title Investigation of Maine's jointless bridges

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date Apr. 1992

Abstract This study analyzes Maine's jointless bridges.

"Problem Solving 91-10"

Keywords bridges-floors-joints-evaluation
bridges-design and construction

Location drawer

Call Number 91-44

Author Rand, David

Title In-place recycling : Glenburn

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date Apr. 1992

Abstract "Problem Solving 91-44"

Keywords pavements, asphalt-recycling

Location drawer

Call Number 91-42(4-92)

Author Norton, Richard

Title Gradation variance on recycled mixes that contain 20 and 40% old
pavement

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date Apr. 1992

Abstract "Problem Solving 91-42"

Keywords pavements, bituminous

Location drawer

Call Number 92-31

Title Review of raw RAP extractions

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date Apr. 1992

Abstract "Problem Solving 92-31"

Keywords pavements, bituminous

Location drawer

Call Number 90-05(5-92)

Author Pilsbury, Arthur N.

Title Experimental utilization of a hot bituminous dense graded asphalt
rubber mixture and asphalt fiber crack sealer : construction report

Publisher **Maine Dept. of Transportation** Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date May 1992

Keywords asphalt rubber

pavements, asphalt-Maine-cracking
roads-Maine-maintenance and repair

Location drawer

Call Number 91-1

Author Manion, W.

Title Use of tire chips as lightweight and conventional embankment fill :
phase I-laboratory

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1992

Abstract Waste tires that have been chipped into 2-in to 3-in pieces have the potential for use as lightweight and conventional fill beneath paved roads. A laboratory study was conducted to determine the properties that would affect the performance of tire chips as fill. These properties were used to determine the reduction in settlement that would be possible through using tire chips as lightweight fill and the effect of a tire chip layer on pavement deflection. The thickness of conventional soil needed between the top of the tire chip layer and the bottom of the pavement to keep pavement deflections below acceptable levels was determined. The cost of using tire chips as a lightweight fill was estimated. Report no. FHWA ME 91 1.

Keywords tires, rubber-recycling
retaining walls-design and construction
fills (earthwork)-design and construction

Location shelf

Corporate Responsib University of Maine

Call Number 92-22

Author Bradbury, Richard L.

Title Investigation of the specification on 50 percent of no. 50 greater than
no. 200

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Bangor, Me.?

Date May 1992

Abstract "Problem Solving 92-22"

Keywords aggregates (building materials)

Location drawer

Call Number 92-30

Title Evaluation of snow plow blade guards

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date May 1992

Abstract "Problem Solving 92-30"

Keywords snow plows

Location drawer

Call Number 87-4

Author Hinckley, Leanne T.

Title Experimental utilization of a prefabricated drainage structure : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1992

Abstract " Experimental Construction 87-04"

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 88-05

Title Experimental utilization of a stress absorbent membrane in Peru and a stress absorbent membrane interlayer in Kennebunk, Maine : (Interim report, 4th year)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1992

Abstract Reports on two experiments designed by the MDOT to prolong the life of pavements in two different areas of the state. As part of both experiments, existing cracks at construction joints and random cracking locations have been sealed with an asphalt-fiber compound. At one experimental site, membranes have been applied over the sealed cracks prior to surface sealing. An asphalt-rubber surface treatment with aggregate cover was applied to the entire pavement surface at both projects.

Keywords roads-Maine-maintenance and repair

Location drawer

Call Number 89-48(6-92)

Author Dunphy, Wilbur J.

Title Experimental retaining wall, Turner, Maine : interim report, third year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1992

Keywords retaining walls-Maine

Location drawer

Call Number 89-02(6-92)

Author Dunphy, Wilbur J.

Title Comparison of milled and non-milled pavements with overlays in Medway, Maine : second interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1992

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location lib

SA 89-02

Call Number 87-01(7-92)

Author Laflin, James E.

Author 2 Dunphy, Wilbur J.

Title Experimental utilization of a fabric-asphalt crack reduction pavement interlayer in Paris, Maine : experimental interlayer 87-01, final report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Jul. 1992

Abstract Discusses an attempt by MDOT to reduce reflection cracking by experimenting with a commercially manufactured product, a stress relief interlayer, PAVEPREP.

Keywords pavements, asphalt-Maine-cracking

Location shelf

Call Number 91-2

Author Elgaaly, Mohammed

Author 2 Sandford, Thomas

Author 3 Seshadri, Anand

Title Seismic design of Maine bridges

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jul. 1992

Abstract This report includes a literature review in the areas of seismology, past performance of bridges during seismic events, current bridge design philosophy, seismic isolation, and different types of seismic analyses.
Report no. FHWA ME 91 2.

Keywords bridges-design and construction-Maine
bridges-earthquake resistant design-Maine
bridges-earthquake effects

Location shelf

Physical Description book ; iv, 343 p. , ill., maps

Corporate Responsib University of Maine

Call Number 92-43

Title Flexible delineator posts

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Bangor, Me.?

Date Jul. 1992

Abstract "Problem solving 92-43"

Keywords roads-accessories
anchorage (structural engineering)
poles (engineering)

Call Number 88-06 A,B,C

Author Hamilton, C. Donald

Title Evaluation of bridge wick drains : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Aug. 1992

Keywords bridges-Maine-drainage systems

Location drawer

Call Number 91-43

Author Norton, H. Richard

Title Feasibility study to see if bottom ash can be used for common borrow material

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.?

Date Aug. 1992

Abstract "Problem Solving 91-43"

Keywords waste products as road materials-Maine-testing

Location drawer

Call Number 92-21

Author Rand, David W.

Title Evaluation of gyratory testing machine mixture design results, for work performed in 1991

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Bangor, Me.?

Date Aug. 1992

Abstract "Problem Solving 92-21"

Keywords pavements, asphalt-Maine-design and construction
road materials-testing

Location drawer

Call Number 88-01

Title Experimental utilization of drainage material as an underdrain in Plymouth and Etna, Maine Final report

Publisher Maine Dept. of Transportation, Technical Services Division, Research & Development Section

Publisher Location Augusta, Me.

Date Sep. 1992

Abstract Experimental construction 88-01.
Discusses experimental use of edge drains on I-95.

Keywords road drainage-Maine
edge drains

Location shelf

Physical Description [10] p. , ill. , maps

Call Number 1991

Title Bituminous plant report 1991

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep. 1992

Abstract Reports on bituminous plant testing and inspection for MDOT projects from 35 plants in 47 locations.

Keywords asphalt-testing

Location shelf

Call Number 91-02

Author Rand, David

Title Crack sealing before overlaying an asphalt concrete surface : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Oct. 1992

Keywords pavements, asphalt concrete-Maine-cracking
pavements-Maine-overlays
sealing compounds
asphalt concrete

Location drawer

Call Number 91-43(10-92)

Author Norton, H. Richard

Title Feasibility study to see if bottom ash can be used for common borrow material

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.?

Date Oct. 1992

Abstract "Problem Solving 91-43 (revised)"

Keywords waste products as road materials-Maine-testing

Location drawer

Call Number 91-01

Author Redmond, Michael

Title Densification of portland cement concrete wearing surface with a silica fume additive : construction report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Nov. 1992

Abstract "Experimental Construction 91-01"

Keywords bridges-Maine-West Bath-maintenance and repair
portland cement-Maine-additives
silica fume

Location drawer

Call Number 92-15

Title Feasibility of running mix designs during winter months

Publisher Maine Dept. of Transportation, Technical Services Division,

Research and Development Section

Publisher Location Augusta, Me.?

Date Nov. 1992

Abstract "Problem Solving 92-15"

Keywords pavements, asphalt-testing
road materials-testing

Location drawer

Call Number 88-11

Title Freeze protection of a bituminous concrete bridge deck wearing surface with Verglimit : interim report. Third year evaluation

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Nov. 1992

Keywords bridges, concrete-Maine-floors
bridges-Maine-snow and ice control

Location drawer

Call Number 88-11(11-92)

Title Freeze protection of a bituminous concrete bridge deck wearing surface with Verglimit

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Nov. 1992

Keywords bridges, concrete-Maine-floors
bridges-Maine-snow and ice control

Location drawer

Call Number 89-01

Title Corrosion protection of a steel bridge with a one coat waterborne self-curing inorganic zinc coating system : interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1992

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
zinc coatings

Location drawer

Call Number 90-3(12-92)

Title Construction of flexible gutter system under steel finger bridge joint : first interim report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Dec. 1992

Keywords bridges-Maine-drainage systems

bridges, Maine-floors-joints

Location drawer

Call Number 89-28

Title Spurwink River Bridge no. 2796 : fourth year interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1992

Abstract " Experimental Construction 89-28"

Keywords bridges-Maine
protective coatings
zinc coating

Location lib

Call Number 91-04(12-92)

Author Shepherd, Eric C.

Title Segmental precast rigid framework bridge trial (interim report, 1st
year)

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1992

Abstract "Experimental Construction 91-04"

Keywords bridges-Maine-design and construction
bridges-Maine-Gorham

Location drawer

Call Number 92-1

Author Dunn, Philip A.

Title Effective use of slab backslope protection systems : final report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Dec. 1992

Abstract A study was conducted to examine the MDOT's practice of using
precast concrete slabs as backslope protection and retaining walls.
Design recommendations were made which included drainage,
geometrics, and installations.
Report no. FHWA ME 92 1.

Keywords precast concrete construction
retaining walls-design and construction
roads-embankments-design and construction
concrete slabs

Location shelf

Call Number 1993

Title Portland cement concrete plant report

Publisher **Maine Dept. of Transportation**, Technical Services

Date 1993

Abstract This report summarizes concrete plant production as it relates to the

MDOT for the calendar year 1993.

Keywords Maine; portland cement concrete plants

Location shelf

Call Number 91-42

Author Norton, Richard

Title Gradation variance on recycled mixes that contain 20 and 40% old pavement

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.?

Date 1993

Abstract "Problem Solving 91-42"

Keywords pavements, bituminous

Location drawer

Call Number 89-04

Author Hsu, Martha T.

Title Corrosion protection of a new steel girder bridge : second year interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Jan. 1993

Abstract "Experimental construction 89-04"

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings
protective coatings

Location drawer

Call Number 90-19

Author Hsu, Martha T.

Title Millinocket State Street bridge no. 0909 : second year interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section.

Publisher Location Augusta, Me.

Date Jan. 1993

Series Experimental project ; 90-19

Keywords bridges-Maine-Millinocket
zinc coatings

Location drawer

Call Number 92-45

Author Hsu, Martha T.

Title Determination of SiO₂ in cement by gravimetric method

Publisher **Maine Dept. of Transportation**, Technical Svices Division, Research and Development Section

Publisher Location Bangor, Me.?

Date Jan. 1993

Series Testing problem solving ; 92-45

Keywords portland cement-analysis;
gravimetric analysis

Location drawer

Call Number 89-05

Author Hsu, Martha T.

Title Corrosion protection of a steel girder bridge : second year interim report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1993

Abstract "Experimental Construction 89-05"

Keywords bridges-Maine-maintenance and repair
epoxy coatings

Location drawer

Call Number 91-41

Author Ruhlin, Robert E.

Title Investigation of the aggregate correction factor

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Bangor, Me.?

Date Feb. 1993

Abstract The objective of the study is to determine the significance of the aggregate correction factor on the air content of MDOT concrete mixes.
"Problem Solving 91-41"

Keywords aggregates (building materials)-testing
pavements, concrete-design and construction

Location drawer

Call Number 93-12

Author Madden, Donald A.

Title Friction data on Interstate 95

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Feb. 1993

Abstract "Problem Solving 93-12"

Keywords pavements-skid resistance

Location drawer

Call Number 72-A

Author Inferrera, Robert L.

Title Roque Bluffs experimental paint testing site

Subtitle Interim report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1993

Abstract " Experimental Construction 72-A"

Keywords protective coatings

Location drawer

Call Number 92-23

Author Caswell, Edward B.

Title Utilization of concrete as primary material for bridge construction

Subtitle Technical report 92-23 : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Mar. 1993

Abstract This study responds to questions about the use of concrete and structural steel in bridge construction: would it be beneficial economically to increase the use of concrete, which can be produced locally, in place of steel that is largely produced out-of-state? A secondary question is whether it is possible to make concrete a more economically beneficial alternative to steel.

Keywords bridges-Maine-design and construction
bridges, concrete-Maine

Location shelf

Corporate Responsib Caswell Engineering

Call Number 93-22

Author Rand, David

Title Effects of asphalt cement viscoisty on mixture properties

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1993

Abstract "Problem Solving 93-22"

Keywords pavements, asphalt-design and construction

Location drawer

Call Number 93-24 (rev)

Author Bradbury, Richard L.

Title Feasibility of using 4000 PSI design strength for PCC

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1993

Abstract "Problem Solving 93-24 (rev)"

Keywords portland cement
bridges-Maine-design and construction

Location drawer

Call Number 93-30

Author Bradbury, Richard L.

Title Pugmill sampling

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1993

Abstract "Problem Solving 93-30"

Keywords asphalt cement-testing
bituminous materials-Maine

Location drawer

Call Number 92-34

Title Field trial of gravel stabilization methods : Route 1, Cyr-Van Buren, Me, 1st interim report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date May 1993

Abstract This is an interim report on an experimental construction project exploring gravel stabilization methods.
"Experimental Construction 92-34"

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction

Location drawer

Call Number 89-37

Title Use of silica fume in an AAA portland cement concrete wearing surface

Subtitle Interim report

Publisher Maine Dept. of Transportation

Date May 1993

Keywords silica fume

Location drawer

Call Number 88-07C & 90-1E

Author Ruhlin, Robert E.

Title Densification of a portland cement concrete (pcc) bridge wearing surface using a silica fume additive and the effects of polypropylene fibers in a portland cement concrete (pcc) that contains a silica fume additive : construction report

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section.

Publisher Location Augusta, Me.

Date May 1993

Abstract "Experimental Construction 88-07 (c) & 90-1 (E)"

Keywords polypropylene fibers

portland cement-Maine
silica fume

Location drawer

Call Number 92-8

Author Panchang, Vijay G.

Title Investigation of the adequacy of riprap stone used for Maine bridges :
final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date May 1993

Abstract This report is the result of a study performed for the MDOT to evaluate the adequacy of riprap used on bridge structures. Specifically, the study was to determine if the riprap stones found at existing bridge locations met MDOT current standard specifications, to assess the specifications, and to devise new specifications if necessary.

Keywords bridges-Maine-design and construction
building, stone-Maine
riprap for bridge structures-evaluation

Location shelf

Corporate Responsib University of Maine

Call Number 91-5

Author Norton, H. Richard

Title Determining the quality of the material passing the #200 sieve by the hydrometer test on bituminous mix aggregate

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date May 1993

Abstract "Problem Solving 91-5"

Keywords aggregates (building materials)

Location drawer

Call Number 92-14

Author Norton, H. Richard

Title Field stability analysis

Publisher Maine Dept. of Transportation, Technical Services, Reserach and
Development Section

Publisher Location Augusta, Me.?

Date May 1993

Abstract "Problem Solving 92-14"

Keywords bituminous materials-testing
pavements, bituminous

Location drawer

Call Number 93-35

Author Nadeau, Douglas

Title Review of wearing surfaces in Aroostook County

Publisher Maine Dept. of Transportation, Technical Service Division

Publisher Location Augusta, Me.

Date May 1993

Abstract "Problem Solving 93-35"

Keywords pavements, asphalt-testing

Location drawer

Call Number 93-8

Author Norton, Richard

Title Review and update of the bituminous concrete stockpile specification

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date May 1993

Abstract "Problem Solving 93-8"

Keywords aggregates (building materials)

Location drawer

Call Number 89-02

Author Dunphy, Wilbur J.

Title Comparison of milled and non-milled pavements with overlays in
Medway, Maine : third interim report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section.

Publisher Location Augusta, Me.

Date Jun. 1993

Abstract "Experimental Construction 89-02"

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location drawer

Call Number 92-02

Author Thompson, Vernon E.

Title Comparison of overlays on existing pavements with sealed and
unsealed cracks in Fort Kent, Maine : construction report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1993

Abstract Experimental construction 92-02

Keywords pavements-Maine-overlays
pavements-Maine-cracking

Location drawer

Call Number 88-06 A,B,C(6-93)

Title Evaluation of bridge deck wick drains : experimental construction 88-
06 A,B,C : final report

Publisher Maine Dept. of Transportation, Technical Services Division,

Research and Development Section

Publisher Location Augusta, Me.

Date Jun. 1993

Abstract The purpose of this experimental project was to evaluate the performance of drainage geotextiles serving as wick drains on bridge decks.

Keywords bridges-Maine-drainage systems

Location shelf

Call Number 90-1A, 1B, 1C, and 1D

Author Berthiaume, Guy A.

Title The effects of polypropylene fibers in a portland cement concrete (PCC) that contains a silica fume admixture (interim report)

Publisher Maine Dept. of Transportation, Technical Services Division, Research & Development Section

Publisher Location Augusta, Me.

Date Jun. 1993

Keywords polypropylene fibers
silica fume
portland cement

Location drawer

Call Number 88-09(6-93)

Title Use of a silica fume admixture in portland cement concrete bridge curbs : interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun. 1993

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
silica fume

Location drawer

Call Number 88-02(7-93)

Author Dunn, Philip A.

Title Reinforcement geotextile used in highway embankment construction

Subtitle Experimental construction 88-02 : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1993

Abstract Discusses reconstruction and overlay of a one-mile stretch of highway. The reconstruction area was divided into four sections for geotextile placement, and were used to demonstrate the most effective uses of geotextiles in embankment construction. The first two sections were placed to show stabilization geotextile applications, and the second two sections demonstrated reinforcement applications.

Keywords geotextiles; roads-Maine-embankments

Location shelf

Call Number 87-04(7-93)

Title Experimental utilization of a prefabricated drainage structure : final report
Publisher Maine Dept. of Transportation, Technical Services Division, Research & Development Section
Date Jul. 1993
Abstract Experimental construction 87-04.
Reports on the experimental use of prefabricated drainage structures (Miradrain 4000) instead of the commonly used French stone drains at abutments.
Keywords bridges-Maine-drainage systems
Location shelf
Physical Description [3] p.

Call Number 93-11
Author Rand, David
Title Sand stability evaluation
Publisher Maine Dept. of Transportation, Technical Services Division
Publisher Location Augusta, Me.
Date Jul. 1993
Abstract "Problem Solving 93-11"
Keywords sand-testing
aggregates (building materials)
Location drawer

Call Number 93-19
Author Madden, Donald
Title Evaluation of snow plow blade guards
Publisher Maine Dept. of Transportation, Technical Services Division
Publisher Location Augusta, Me.
Date Jul. 1993
Abstract "Problem Solving 93-19"
Keywords snow plows
Location drawer

Call Number 93-21
Author Rand, David
Title Road-rater evaluation
Publisher Maine Dept. of Transportation, Technical Services Division
Publisher Location Augusta, Me.
Date Jul. 1993
Abstract "Problem Solving 93-21"
Keywords pavements-Maine-performance
Location drawer

Call Number 89-48
Author Dunphy, Wilbur J.
Title Experimental retaining wall, Turner, Maine : interim report, fourth year

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Aug. 1993

Abstract "Experimental Construction 89-48"

Keywords retaining walls-Maine

Location drawer

Call Number 88-05(8-93)

Title Experimental utilization of a stress absorbent membrane in Peru and a
stress absorbent interlayer in Kennebunk, Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Aug. 1993

Abstract "Experimental construction 88-05 : final report"

Keywords roads-Maine-maintenance and repair

Location shelf

Call Number 92-19

Author Pinkham, Philip

Title Concrete sealers for around A588 steels

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.?

Date Aug. 1993

Abstract The purpose of this problem solving request was to find a product
that would be effective in the removal of A588 rust stains and graffiti
from concrete substructures.
"Problem Solving 92-19"

Location drawer

Call Number 93-34

Author Hamilton, C. Donald

Title Evaluation of latex modified concrete wearing surface of Donald E.
Davey Bridge in the towns of Wiscasset-Edgecomb, Maine

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Aug. 1993

Abstract "Problem Solving 93-34"

Keywords bridges-Maine-maintenance and repair

Location drawer

Call Number 93-25

Author Rand, David

Title Evaluation of low stability hot mixes using the GTM

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Aug. 1993

Abstract "Problem solving 93-25"

Keywords pavements, asphalt-design and construction

Location drawer

Call Number 92-7

Author Hamilton, C. Donald

Title Evaluation of gabion installations and MDOT design practice : final report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Sep. 1993

Abstract The report discusses the evaluation of gabion installations and the Maine Dept. of Transportation's design practices for utilizing gabions.

Keywords building, stone-Maine
bridges-Maine-design and construction
roads-Maine-design and construction

Location shelf

Physical Description book ; iii, 183 p.

Call Number 92-6

Author Dunphy, Wilbur J.

Title Shoulder paving policy review : final report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Sept. 1993

Abstract This is a report on the extent of paved shoulder problems in the state of Maine. The problem statement addressed only the engineering aspects of the question.

Keywords roads-Maine-shoulders

Location shelf

Physical Description book ; [15] leaves

Call Number 91-04

Author Shepherd, Eric C.

Title Segmental precast rigid frame bridge trial : interim report, 2nd year

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section.

Publisher Location Augusta, Me.

Date Oct. 1993

Keywords bridges-Maine-design and construction
bridges-Maine-Gorham

Location drawer

Call Number 92-3

Author Dunphy, Wilbur J.

Title Corrosion of submerged steel structures : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Oct. 1993

Abstract In several locations around Maine submerged steel pilings, steel culverts, and multiplate structures have shown premature advanced corrosion. The objective of the study reported on was to determine what environmental or material tests are necessary to predict future occurrences of this problem and to provide a realistic assessment of its extent.

Keywords steel-corrosion
bridges-Maine-drainage systems
steel piling-Maine

Location shelf

Call Number 89-28(11/93)

Title Spurwink River bridge no. 2796 experimental construction 89-28 :
final report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Nov. 1993

Abstract Discusses the coating system of a bridge located on an estuary near the Atlantic Ocean. The topcoats were applied to bridge sections in the shop to prevent disturbance of air and water quality at the bridge's location. The bridge was subsequently built, and this report covers annual evaluations for five years of its coating system.

Keywords bridges-Maine
protective coatings
zinc coatings

Location shelf

Call Number 90-19(11-93)

Title Millinocket State Street bridge # 0909 experimental project 90-19 :
final report

Publisher Maine Dept. of Transportation

Date Nov. 1993

Abstract Reports on experimental use of new bridge coatings systems, both on new structure and for maintenance work. Existing steel beams were coated with Epoxy Mastic System. The new bridge beams received a coating system of epoxy zinc rich-epoxy-urethane.

Keywords bridge coating systems

Location shelf

Call Number 87-03(11-93)

Title Densification of portland cement concrete pier columns and upstream concrete bridge curb using silica fume

Subtitle Experimental construction 87-03 : final report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section.

Publisher Location Augusta, Me.

Date Nov.? 1993

Keywords bridge construction-Maine

silica fume

Location shelf

Call Number 94-9

Author Madden, Donald

Title Road salt specifications and salt proposed by "Of the Earth Enterprises"

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Nov. 1993

Abstract "Problem Solving 94-9"

Keywords roads-snow and ice control
salt

Location drawer

Call Number 90-05

Author Pilsbury, Arthur N.

Title Experimental construction of a hot bituminous dense graded asphalt rubber mixture and asphalt fiber crack sealer : interim report-second year

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1993

Keywords asphalt rubber
pavements, asphalt-Maine-cracking
roads-Maine-maintenance and repair

Location drawer

Call Number 87M

Author Redmond, Michael

Title Use of silica fume in a wearing surface : Rte. 100 CNRR overpass-Auburn, Maine

Publisher Maine Dept. of Transportation, , Technical Services Division

Publisher Location Augusta, Me.

Date Dec. 1993

Abstract The purpose of the study reported on was to evaluate the effect on durability and corrosion protection of a silica fume additive to a portland cement concrete wearing surface.

Keywords silica fume
bridges-Maine-Auburn
portland cement

Location shelf

Call Number 86F(12-93)

Title Evaluation of silica fume in a wearing surface : Passadumkeag Bridge # 2649

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1993

Keywords silica fume
bridges-design and construction-Maine

Location shelf

Call Number 86G(12-93)

Author Redmond, Michael

Title Evaluation of silica fume in a wearing surface : Middle Bridge #
3341 over Eastern River

Subtitle Experimental construction 86G. Final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Dec. 1993

Abstract Silica fume was added to the concrete wearing surface of this bridge to test its effect on the penetration of chlorides into the deck concrete. Also tested was the durability of this type of high strength concrete.

Keywords silica fume
bridges-Maine
portland cement

Location shelf

Call Number 93-28 part 1

Author Bradbury, Richard L.

Title Comparison of field and lab testing methods for determination of -
#200 material

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Dec. 1993

Abstract "Problem Solving 93-28 part 1"

Keywords aggregates (building materials)-testing

Location drawer

Call Number 87-03(1993)

Title Densification of portland cement concrete pier columns and upstream
concrete bridge curb using silica fume

Subtitle Experimental construction 87-03 : final report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date 1994?

Abstract Due to the increasing cost of granite for bridge curbs and pier facings the MDOT undertook an evaluation of silica fume additive to portland cement concrete as a possible alternative to granite.

Keywords silica fume
bridge construction-Maine

Location shelf

Call Number 88-11(3-94)

Title Freeze protection of a bituminous concrete bridge deck wearing

surface with Verglimit : fourth year evaluation report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date 1994

Keywords bridges, concrete-Maine-floors
bridges-Maine-snow and ice control

Location drawer

Call Number 93-1

Author Rock, Chet A.

Title Evaluation of recycled glass/ceramic products as an aggregate
substitute for MDOT projects : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date 1994

Abstract In this study the feasibility of using waste glass and ceramics in
construction was examined and recommendations were made for
incorporating waste glass and ceramics into MDOT projects.

Keywords aggregates (building materials)-Maine-evaluation
waste products as road materials-Maine-evaluation
road materials-Maine-evaluation

Location shelf

Corporate Responsib University of Maine

Call Number 93-3

Author Alexander, John A.

Author 2 Seshandri, Anand

Title Rehabilitation of large diameter steel culverts

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1994

Abstract Final report.
This study investigated the feasibility of rehabilitating structural plate
pipes as well as alternative designs and materials for new or
replacement culverts that would economically offer extended service
lives and thus reduce the future need for culvert replacement.

Keywords culverts-Maine-maintenance and repair
culverts-Maine-corrosion
road drainage-Maine

Location shelf

Physical Description book ; 1 v. in various pagings ; bibliographical references

Corporate Responsib University of Maine

Call Number 91-04(12-94)

Title Experimental construction project 91-04, segmental precast rigid
frame bridge trial : interim report, 3rd year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1994

Keywords bridges-Maine-design and construction
bridges-Maine-Gorham

Location drawer

Call Number 1993-A

Title 1993 annual report for testing activities

Publisher Maine Dept. of Transportation

Date 1994

Keywords testing-Maine Dept. of Transportation

Location shelf

Call Number DP 10-94

Author Dunphy, Wilbur J.

Title Evaluation of flashing stop/slow paddles : SHRP implementation,
work zone safety devices, test and evaluation project TE 025

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1994

Keywords roads-Maine-design and construction-safety measures

Location drawer

Physical Description 2 p.

Call Number 96-19

Author Redmond, Michael

Title Experimental use of fly ash in ready mix concrete

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1994

Keywords bridges-Maine-design and construction
fly ash-Maine

Location drawer

Physical Description 8 p.

Author Coughlan, Peter

Author 2 Greenwood, G.

Title Snow and ice control on local roads

Publisher Maine Dept. of Transportation ; U.S. Dept. of Transportation,
Federal Highway Administration

Date 1994

Keywords roads-snow and ice control

Location M&O and Maine Local Roads Center

Call Number 94-12

Title Evaluate the possibility of developing a standard details booklet

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1994

Abstract Problem solving 94-12.

Location drawer

Call Number 91-01(1-94)

Author Redmond, Michael J.

Title Densification of a portland cement concrete wearing surface with a silica fume additive : New Meadows River bridges no. 6146 and 1520, West Bath, Sagadahoc County, Maine : interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research & Development Section

Publisher Location Augusta, Me.

Date Jan 1994

Keywords silica fume
portland cement
bridges-Maine-design and construction

Location drawer

Call Number 92-16(1-94)

Author Redmond, Michael J.

Title DCI vs. MCI 2020 : Rockport Bridge, Rockport and Camden, Maine

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Jan 1994

Abstract Interim report.

Keywords bridges-Maine-maintenance and repair
corrosion resistant materials
silica fume

Location drawer

Call Number 89-05(2-94)

Title Corrosion protection of a steel girder bridge : third year interim report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Feb. 1994

Keywords bridges, iron and steel-Maine
epoxy coatings
protective coatings

Location drawer

Call Number 89-04(2-94)

Title Corrosion protection of a new steel girder bridge : third year interim report

Publisher **Maine Dept. of Transportation**, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1994

Keywords bridges, iron and steel-Maine-Brunswick

epoxy coatings
protective coatings
corrosion protection

Location drawer

Call Number 89-01(2-94)

Title Corrosion protection of a steel bridge with a one-coat waterborne self-curing inorganic zinc coating system : third year interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1994

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
zinc coatings

Location drawer

Call Number 87 L

Author Redmond, Michael

Title Use of a silica fume concrete in a bridge rehabilitation project : Ohio Street bridge # 5790, Bangor, Maine

Publisher Maine Dept. of Transportation, Technical Services Division, Research & Development Section

Publisher Location Augusta, Me.

Date Feb. 1994

Abstract Final report

Keywords bridges-Maine-maintenance and repair
portland cement-Maine
silica fume

Location shelf

Call Number 87F(2-94)

Title Evaluation of water based, lead and chromium free bridge maintenance coating systems : experimental construction 87F final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1994

Abstract This study was undertaken in the hope of coming up with an alternative to bridge coatings containing lead, chromate and volatile organic compounds. An experimental project was initiated using four coating systems that were water based and free of lead and chromium, and that were applied to sections of selected bridges at the same time as a traditional oil alkyd, basic lead silicochromate coating system.

Keywords bridges-Maine-maintenance and repair
protective coatings

Location shelf

Physical Description book ; 9 p.

Call Number 93-01

Author Rand, D.

Title Cold in-place recycling using calcium chloride, Readfield, Maine :
construction report

Subtitle Experimental construction 93-01

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location [Augusta, Me.]

Date Feb. 1994

Abstract The purpose of the study reported on was to evaluate the performance of material stabilized with calcium chloride, and to determine if calcium provides a long-term stabilizing effect or if it is a temporary aid for obtaining high initial compaction densities.

Keywords calcium chloride
pavements, asphalt-Maine-recycling

Location shelf

Call Number 92-02(3-94)

Author Thompson, Vernon E.

Title Comparison of overlays with sealed and unsealed cracks (first interim report)

Publisher Maine Dept. of Transportation, Technical Services Division,
Research & Development Section

Publisher Location Augusta, Me.

Date Mar. 1994

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location drawer

Physical Description [7] p.

Call Number 93-9

Author Norton, Richard

Title Evaluating the use of the 0.45 power gradation chart for determining the maximum density for bituminous concrete mix

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Mar. 1994

Abstract "Problem Solving 93-9"

Keywords pavements, asphalt-design and construction

Location drawer

Call Number 89-03(4-94)

Title Densification of portland cement concrete curbs and sidewalks using a silica fume additive, Main Street, Sanford, M-6405(2)

Publisher Maine Dept. of Transportation, Technical Services Division,
Research & Development Section

Publisher Location Augusta, Me.

Date Apr. 1994

Abstract Interim report.

Keywords concrete-additives
silica fume
curbs

sidewalks

Location drawer

Call Number 94-5

Title Computer-mediated decision making : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Apr. 1994

Abstract This project evaluated the use of computer-based technology to assist in the public participation phase of a Maine DOT project. The research was undertaken in two related areas: evaluation of the technology used in computer representation of graphical designs and examination of the public participation process.

Keywords public works-Maine-citizen participation
public works-Maine-computer simulation
graphical design technology

Location shelf

Corporate Responsib Univ. of Southern Maine

Call Number 90-03(4094X)

Author Dagher, Habib J.

Author 2 Comstock, Lyn Catherine

Author 3 Kankam, James A.

Title Laboratory tests of two 1/3 scale models of a RC skewed slab bridge with integral abutments : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Apr. 1994

Abstract The objective of this study was to verify experimentally, and refine, if necessary, the finite element model developed to design skewed rigid frames for bridges.

Keywords bridges, concrete-cracking-Maine-testing
bridges, concrete-Maine-design and construction
bridges-Maine-abutments
strains and stresses

Location shelf

Physical Description book ; xii, 262 p. ; bibliographical references

Call Number 94-14

Author Madden, Donald

Title Review the use of guardrail on low volume rural highways

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Apr. 1994

Abstract This report discusses the current MDOT specifications for guardrails and guardrail posts.
"Problem Solving 94-14"

Keywords guard fences-Maine

Location drawer

Call Number 92-33

Title Precast concrete pile study : Scotland Bridge over the York River
(interim report)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1994

Keywords bridges-Maine-design and construction
concrete piling
precast concrete construction-Maine

Location drawer

Call Number 92-33A

Title Precast T-wall retaining wall : Scotland Bridge over the York River
(interim report)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1994

Abstract At head of title: Experimental construction 92-33A

Keywords bridges-Maine-design and construction
retaining walls-Maine

Location drawer

Call Number 92-33(5-94)

Author Auger, John P.

Title Precast concrete pile study: Scotland Bridge over the York River
(construction report)

Publisher Maine Dept. of Transportation, Technical Services Division,
Research & Development Section

Publisher Location [Augusta, Me.]

Date May 1994

Keywords bridges-Maine-design and construction
concrete piling
precast concrete construction-Maine

Call Number 92-33A(5-94)

Author Auger, John P.

Title Precast T-wall retaining wall system : Scotland Bridge over the York
River : construction report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date May 1994

Keywords bridges-Maine-design and construction
retaining walls-Maine

Location drawer

Call Number 90-04(5-94)

Author Redmond, Michael

Title Blast furnace slag in a precast bridge deck : Martin Stream Bridge # 2518, Turner, Maine : interim report

Publisher Maine Dept. of Transportation, Technical Services Division, Research & Development Section

Publisher Location Augusta, Me.

Date May 1994

Keywords bridges-Maine-design and construction
slag cement

Location drawer

Call Number 88-07A

Author Redmond, Michael J.

Title Densification of a portland cement concrete wearing surface on a bridge using a silica fume additive : toll bridge (# 2867), Milo, Maine

Publisher Maine Dept. of Transportation, Technical Services Division, Research & Development Section

Publisher Location Augusta, Me.

Date May 1994

Abstract Construction report

Keywords silica fume
portland cement
bridges-Maine-design and construction

Location drawer

Call Number 92-39

Author Winslow, John R.

Title Thin lift testing parallel to traffic flow (part 1)

Publisher Maine Dept. of Transportation, Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.?

Date May 1994

Abstract "Problem Solving 92-39"

Keywords pavements, asphalt-testing
pavements, asphalt-evaluation

Location drawer

Call Number 94-15

Author Anderson, Joseph H.

Title QC/QA-end result specifications

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1994

Abstract The primary objective of this study is to recommend framework for development of end result specifications.
"Problem Solving 94-15"

Keywords roads-specifications-statistical methods
roads-design and construction-quality control-statistical methods

Call Number 94-13

Author Kittridge, Joel
Title Streamline concrete design, testing and inspection
Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section
Publisher Location Augusta, Me.
Date May 1994
Abstract This report examines current MDOT policies for the design, testing
and inspection of portland cement concrete.
Keywords concrete-performance
concrete-design
Location drawer

Call Number 93-39
Author Norton, Richard
Title Controlling gradation fluctuation for recycled mixes containing 40%
old pavement
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date May 1994
Abstract "Problem Solving 93-39"
Keywords pavements, asphalt-design and construction
Location drawer

Call Number 91-02(6-94)
Author Rand, David W.
Title Crack sealing before overlaying an asphalt concrete surface (3rd
interim report)
Publisher Maine Dept. of Transportation, Technical Services Division,
Research & Development Section
Publisher Location Augusta, Me.
Date Jun. 1994
Keywords sealing compounds
asphalt concrete
Location drawer

Call Number 92-02(6-94)
Author Thompson, Vernon E.
Title Comparison of overlays with sealed and unsealed cracks
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.
Date Jun. 1994
Abstract Second interim report.
At head of title: Experimental construction 92-02.
Keywords pavements-Maine-cracking
pavements-Maine-overlays
Location drawer
Physical Description book ; 8 p.

Call Number 93-27

Author Savoy, Ernest

Title Use of bituminous mix sample during IA of A/C tests

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jun. 1994

Abstract "Problem Solving 93-27"

Keywords pavements, bituminous-testing
pavements, asphalt testing

Location drawer

Call Number 89-02(7/94)

Author Dunphy, Wilbur J.

Title Comparison of milled and non-milled pavements with overlays in
Medway, Maine : fourth interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1994

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location drawer

Call Number 94-6

Author Fougere, Keith A.

Title Evaluation of flowable fill for use in highway and bridge applications
: final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date July 1994

Series Technical paper (Technical Services Division) ; 94-6

Abstract The research reported on was conducted by the Maine Dept. of
Transportation to investigate the potential benefit of using Flowable
Fill (FF) for reconstruction, rehabilitation, and maintenance
applications, and how best to use it if applications were deemed
suitable.

Keywords bridges-Maine-maintenance and repair
building materials-Maine
roads-Maine-maintenance and repair

Location shelf

Physical Description book ; 23 p. ; bibliographical references

Call Number 93-37

Author Dunphy, Wilbur J.

Title Headwalls on large diameter pipe

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Sep. 1994

Abstract "Problem Solving 93-37"

Keywords culverts-design and construction
Location drawer

Call Number 92-33(10-94)

Author Auger, John P.

Title Precast concrete pile study : Scotland Bridge over the York River

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Oct. 1994

Abstract Interim report.
At head of title: Experimental construction 92-33.

Keywords bridges-Maine-design and construction
concrete piling
precast concrete construction-Maine

Location drawer

Call Number 92-33A(10-94)

Title Precast T-wall retaining wall system : Scotland Bridge over York
River : interim report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Maine

Date Oct. 1994

Keywords bridges-Maine-design and construction
retaining walls-Maine

Location drawer

Call Number 93-01(10-94)

Title Cold in-place recycling using calcium chloride, Readfield, Maine :
interim report no. 1

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Oct. 1994

Abstract "Experimental Construction 93-01"

Keywords pavements, asphalt-Maine-recycling
calcium chloride

Location drawer

Call Number 91-3

Author Sandford, Thomas

Title Evaluation of lateral squeeze

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Oct. 1994

Abstract Final report.
Despite using piles for bridge abutments over soft clay deposits in
Maine, lateral movements have occurred that exceed the tolerable
amount of about two inches and have required maintenance and
repair. Therefore six abutments with past problems and four
abutments without past problems were selected for inspection and

reexamination to try to understand the nature of this problem in Maine, and the approaches needed to develop design recommendations.

Keywords bridges-Maine-abutments
bridges-Maine-maintenance and repair

Location shelf

Physical Description book ; v, 96 p. ; bibliographical references

Corporate Responsib University of Maine

Call Number 94-01

Author Pilsbury, A.

Title Experimental utilization of rubber modified hot mix asphalt :
construction report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Oct. 1994

Abstract The research project reported on evaluated the economies and performance of Rubber Modified Hot Mix Asphalt in a standard overlay on a two-mile section of Route 3 in Augusta, Maine.

Keywords asphalt-rubber

Location shelf

Call Number 90-05(11-94)

Author Pilsbury, Arthur N.

Title Experimental construction of a hot bituminous dense graded asphalt rubber mixture and asphalt fiber crack sealer : interim report-third year

Publisher Maine Dept. of Transportation Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Nov. 1994

Keywords asphalt rubber
pavements, asphalt-Maine-cracking
roads-Maine-maintenance and repair

Location drawer

Call Number 92-13

Author Redmond, Michael J.

Title Horseysset-WDE concrete cure and sealer

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1994

Abstract Construction and interim report.

Keywords concrete-curing-Maine
sealing compounds

Location drawer

Call Number 88-11(12-94)

Title Freeze protection of a bituminous concrete bridge deck wearing surface with Verglimit : final report

Publisher Maine Dept. of Transportation, Technical Services Division,

Research and Development Section

Publisher Location Augusta, Me.

Date Dec. 1994

Abstract " Experimental Construction 88-11"

Keywords bridges, concrete-Maine-floors
bridges-Maine-snow and ice control

Location drawer

Call Number 94-4

Author Garder, Per

Author 2 Alexander, John

Title Shoulder rumble strips for improving safety on rural interstates : year one

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Dec. 1994

Abstract Final report.

This study gathered information on sleep-related highway accidents. A poll of Maine drivers was taken to estimate the incidence of dozing off while driving. A literature search and survey of all state departments of transportation plus many turnpike authorities were used for information on the design, use and effectiveness of continuous shoulder rumble strips (CSRS). The study also assessed the cost-effectiveness of continuous shoulder rumble strips as a highway safety factor.

Keywords roads-Maine-shoulders-safety measures
traffic accidents-Maine
roads-shoulders
fatigue

Location shelf

Physical Description book ; 35 p. ; bibliographical references

Corporate Responsib University of Maine at Orono. Dept. of Civil and Environmental Engineering

Call Number 93-23

Author Smith, Victor

Title Determination of the coefficient of permeability of subbase materials

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Dec. 1994

Abstract "Problem Solving 93-23"

Keywords road drainage-Maine
pavements-Maine-subgrades-testing
aggregates (building materials)-testing
roads-Maine-subgrades-testing

Location drawer

Call Number HE 554 .N845 1995

Author Normandeau Associates

Title Final report of the Sears Island Causeway monitoring program :

baseline (1984) and post-construction (1989-1994) periods

Publisher Prepared for the **Maine Dept. of Transportation** by Normandeau Associates

Publisher Location Bedford, NH

Date 1995

Abstract This study was done for the Maine Dept. of Transportation to evaluate the environmental changes over a five year period to the intertidal area on the east and west sides of the Sears Island Causeway as a result of its construction.

Keywords bridges-Maine-Sears Island
marine terminals-Maine-Sears Island

Location lib

Call Number 95-3

Author Garder, Per

Title Humanized standards and the public participation process : executive summary

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date 1995

Keywords transportation-Maine-planning-citizen participation

Location shelf

Call Number COM 11

Title TINIS : transportation integrated network information system

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date 1995

Keywords transportation-Information Services-Maine
TINIS (Information retrieval system)
information storage and retrieval systems

Location lib special collection

SA ME DOT 1988.13

Call Number 90-3(8-95)

Author Madden, Donald A.

Title Construction of flexible gutter system under steel finger bridge joint

Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research & Development Section

Publisher Location Augusta, Me.

Date 1995

Abstract Final report.
At head of title: Experimental construction 90-3.

Keywords bridges-Maine-drainage systems
bridges-Maine-floors-joints

Location shelf

Call Number 89-48(9-95)

Author Dunphy, Wilbur J.

Title Experimental retaining wall, Turner, Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1995

Keywords retaining walls-Maine

Location shelf

Call Number 95-02

Author Colson, Stephen W.

Title Reflective cracking control : construction report

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date 1995

Keywords pavements, asphalt-cracking-Maine
pavements-Maine-maintenance and repair

Location drawer

Call Number 91-04(11-95)

Title Segmental precast rigid frame bridge trial : interim report, 4th year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1995

Keywords bridges-Maine-design and construction
bridges-Maine-Gorham

Location drawer

Call Number 90-05(12-95)

Author Pilsbury, Arthur N.

Title Experimental construction of a hot bituminous dense graded asphalt
rubber mixture and asphalt fiber crack sealer : interim report-fourth
year

Publisher Maine Dept. of Transportation Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date 1995

Keywords asphalt rubber; pavements
asphalt-Maine-cracking
roads-Maine-maintenance and repair

Location drawer

Call Number 1994

Title 1994 independent assurance/verification program annual report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.?

Date 1995?

Location shelf

Call Number 91-40

Author Smith, Victor J.

Title Culvert inspection summary 1993-1995

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1995

Abstract At head of title: Problem solving 91-40.

Keywords culverts-Maine

Location drawer

Physical Description book ; 8 p.

Call Number 94-4(12-95)

Author Garder, Per

Title Continued research on continuous rumble strips : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date 1995

Abstract This report summarizes one year's research on the effects of continuous shoulder rumble strips (CSRS).

Keywords roads-Maine-shoulders-safety measures
traffic accidents-Maine

Location shelf

Accession Date May 1996

Call Number 95-2

Author Richardson, John E.

Title Estimation of scour at Maine bridges, phase 1

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date 1995

Abstract This report presents the results of the first part of a study performed for the Maine DOT on existing methods for the prediction of local scour at bridge piers.

Keywords scour at bridges-Maine
bridges-Maine-foundations and piers
channels (hydraulic engineering)-Maine
sediment transport-Maine

Location shelf

Accession Date May 1996

Call Number 1994-2

Title Portland cement concrete plant report

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.?]

Date 1995?

Keywords portland cement concrete plants-Maine

Location shelf

Accession Date May 1996

Call Number HE 308 .M691

Title Alternative modes feasibility study : analysis phase findings.
Background paper # 3

Publisher Maine Dept. of Transportation?

Publisher Location Augusta, Me.?

Date 1995

Abstract This report is the third major document from the STUDY OF THE FEASIBILITY OF ALTERNATIVE TRAVEL MODES ON THE MAINE TURNPIKE AND PARALLEL ROUTES.

Keywords local transit-Maine-planning
transportation-planning-Maine

Location lib

Corporate Responsib Greater Portland Council of Governments
Androscoggin Valley Council Of Governments
Southern Maine Regional Planning Commission
Howard, Needles, Tammen & Bergendoff
Maine Dept. of Transportation
Maine Turnpike Authority

Call Number 88-09 (1995)

Author Berthiaume, Guy A.

Title Use of a silica fume admixture in portland cement concrete bridge curbs/sidewalks/wearing surface : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1995

Abstract At head of title: Experimental construction.

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
silica fume

Location shelf

Call Number 94-10

Title Superpave : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan 1995

Keywords pavements, asphalt

Location drawer

Call Number 91-6(1-95)

Title Summary of cold in-place recycling : inspection of 1994

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jan 1995

Abstract During the summer and fall of 1989, three different processes were used to recycle pavements on the Maine federal aid primary system. The methods used and the condition of the pavements after the fifth year's exposure are detailed in this report.

Keywords pavements, asphalt-Maine-recycling

Location drawer

Call Number 89-01(2-95)

Title Corrosion protection of a steel bridge with a one coat waterborne self-curing inorganic zinc coating system : fourth year interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1995

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
zinc coatings

Location drawer

Call Number 89-05(2-95)

Author Hsu, Martha T.

Title Corrosion protection of a steel girder bridge : fourth year interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1995

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings

Location drawer

Call Number 89-04(2-95)

Title Corrosion protection of a new steel girder bridge : fourth year interim report

Publisher Maine Dept. of Transportation, , Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Feb. 1995

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings

Location drawer

Call Number 92-34(2-95)

Title Field trial of gravel stabilization methods, Route 1, Cyr-Van-Buren,
Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1995

Abstract 2nd interim report.
"Experimental construction 92-34."
This is an interim report on an experimental construction project

exploring methods of gravel stabilization. This report includes ARAN rut depth information, roughness information, and road-rater deflection data.

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location drawer

Call Number 95-07

Author Madden, Donald

Title Technical Services Division's storage facilities in Bangor

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Mar. 1995

Abstract "Problem Solving 95-07"

Location drawer

Call Number 95-13

Author Boucher, Richard

Title Use of polyethylene pipe culverts

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Mar. 1995

Abstract "Problem solving 95-13"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Call Number 95-09

Author Anderson, Joseph H.

Title Summary of existing research on Aroostook County degradation problem

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Mar. 1995

Abstract "Problem Solving 95-09"

Keywords aggregates (building materials)

Location drawer

Call Number 95-17

Author Boucher, Richard J.

Title Closed drainage systems review

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Apr. 1995

Abstract "Problem Solving 95-17"
Keywords road drainage-Maine
Location drawer

Call Number 1994-1
Title Bituminous plant report 1994
Publisher **Maine Dept. of Transportation**
Publisher Location [Augusta, Me.?
Date May 1995
Keywords asphalt
bituminous materials
Location shelf
Accession Date May 1996

Call Number 95-19
Author Boucher, Richard
Title Winter sand recycling and/or reuse
Publisher **Maine Dept. of Transportation**, Technical Services Division
Publisher Location Augusta, Me.
Date May 1995
Abstract "Problem Solving 95-19"
Location drawer

Call Number 92-02(6-95)
Author Thompson, Vernon E.
Title Comparison of overlays with sealed and unsealed cracks
Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research & Development Section
Publisher Location Augusta, Me.
Date Jun 1995
Abstract At head of title: Experimental construction 92-02.
Keywords pavements-Maine-cracking
pavements-Maine-overlays
Location drawer
Physical Description book ; 7 p.

Call Number 93-13
Author Bradbury, Richard L.
Title Upper limit on pavement density introduction
Publisher **Maine Dept. of Transportation**, Technical Services Division,
Research and Development Section
Publisher Location Augusta, Me.
Date Jul. 1995
Abstract The Federal Highway Administration has suggested that an upper limit be placed on pavement density. This was recommended as a means of reducing the potential for rutting in hot mix asphalt

pavements. Before enacting such a specification, MDOT decided to investigate its necessity.
"Problem Solving 93-13"

Keywords pavements-density

Location drawer

Call Number 92-20

Author Bradbury, Nancy

Title Comparison of bituminous design gradations to lab gradations to field gradations

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.?

Date Jul. 1995

Abstract "Problem Solving 92-20"

Keywords pavements, bituminous
bituminous materials

Location drawer

Call Number 92-18

Author Bradbury, Nancy

Title Effect on thin lift gauge of depth to underlying layer

Publisher Maine Dept. of Transportation, Research and Development

Publisher Location Augusta, Me.?

Date Jul. 1995

Abstract "Problem Solving 92-18"

Keywords radioactive gages
pavements, asphalt-testing
pavements, asphalt-evaluation

Location drawer

Call Number 92-25

Author Anderson, Joseph H.

Title Cold feed vs hot bin/pug mill samples

Publisher Maine Dept. of Transportation, Research and Development

Publisher Location Bangor, Me.?

Date Jul. 1995

Series "Problem Solving 92-25"

Keywords asphalt cement-testing
bituminous materials-Maine

Location drawer

Call Number 92-26

Title Use of Troxler Model 3440 moisture-density gauge on bituminous pavements

Publisher Maine Dept. of Transportation

Publisher Location Bangor, Me.?

Date Jul. 1995

Abstract "Problem Solving 92-26"

Keywords radioactive gages-evaluation
pavements, asphalt-testing
pavements, asphalt-evaluation

Location drawer

Call Number 72-A(7-95)

Author Inferrera, Robert L.

Title Roque Bluffs experimental paint testing site (final report)

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jul. 1995?

Keywords protective coatings

Call Number 89-02(9-95)

Author Dunphy, Wilbur J.

Title Comparison of milled and non-milled pavements with overlays in
Medway, Maine : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Sep. 1995

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location shelf

Call Number 88-09(9-95)

Author Berthiaume, Guy A.

Title Use of a silica fume admixture in portland cement concrete bridge
curbs/sidewalks/wearing surface : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Sep. 1995

Abstract This document is a final report containing thirteen MDOT
experimental construction projects involving the use of a silica fume
additive.

Keywords concrete-additives
portland cement
bridges-Maine-design and construction
silica fume

Location shelf

Call Number 94-2

Author Manion, William

Author 2 Humphrey, Dana

Author 3 Garder, Per

Title Evaluation of existing aggregate base drainage performance

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec 1995

Abstract The objective of this study was to determine the in-place and laboratory permeability of the aggregate subbase course of selected highways in Maine and compare those permeabilities to desired values.

Keywords pavements-cracking-Maine
roads-Maine-base course

Location shelf

Physical Description book ; v, 56 p. ; bibliographical references

Corporate Responsib University of Maine, Department of Civil and Environmental Engineering

Call Number 95-01

Author Stedman, Richard

Title Experimental utilization of a material transfer vehicle (MTV) in Island Falls-Oakfield; I-95 : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Keywords mixing machinery-Maine-testing
pavements, asphalt-Maine
roads-Maine-design and construction
roads-Maine-maintenance and repair

Location shelf

Call Number 89-05(2-96)

Title Corrosion protection of a steel girder bridge

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings

Location shelf

Call Number 93-01(3-96)

Title Cold in-place recycling using calcium chloride, Readfield, Maine : interim report-second year

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Abstract "Experimental Construction 93-01"

Keywords pavements, asphalt-Maine-recycling
calcium chloride

Location drawer

Accession Date May 1996

Call Number 89-01(1-96)

Author Hsu, Martha T.

Title Corrosion protection of a steel bridge with a one coat waterborne self-curing inorganic zinc coating system : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996?

Keywords bridges-Maine-Thomaston
bridges-Maine-Warren
zinc coatings

Location shelf

Accession Date May 1996

Call Number 94-3

Author Alexander, John A.

Title Determination of the existence and/or extent of alkali-silica reaction
in MDOT structures : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Keywords pavements, concrete-cracking-Maine
aggregates (building materials)-Maine-evaluation
alkali-aggregate reactions
concrete-defects-Maine

Location shelf

Physical Description book ; vi, 75 p. ; bibliographical references

Accession Date Jun 1996

Call Number 1995

Title 1995 independent assurance program/verification program annual
report

Publisher Maine Dept. of Transportation

Date 1996

Abstract The purpose of this annual independent assurance report is to
document the activities of the Independent Assurance staff, who have
the responsibility of providing an unbiased evaluation of the
effectiveness of the Acceptance Testing Program.

Location shelf

Accession Date Sep 1996

Call Number REF 3 1996

Title State of Maine municipal officers, county commissioners

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Keywords county officials and employees-Maine-directories
municipal officials and employees-Maine-directories

Location reference shelf

Call Number 94-1

Author Downs, Lisa

Author 2 Humphrey, Dana

Title Water quality effects of using tire chips below the groundwater table

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Abstract The purpose of this study was to gather the data necessary to determine the environmental acceptability of placing tire chips below the groundwater table. The study was divided into three parts ; 1) laboratory TCLP leaching tests; 2) laboratory reactor simulation of ground conditions; and 3) small scale field trials with 1.5 tons of steel belted tire chips buried below the groundwater table in glacial till, marine clay, and peat.

Keywords tires, rubber-recycling
groundwater-quality
road materials-testing

Location shelf

Accession Date Sep 1998

Call Number 94-1ex

Author Downs, Lisa

Title Water quality effects of using tire chips below the groundwater table :
final report-executive summary

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1996

Abstract The purpose of this study was to gather the data necessary to determine the environmental acceptability of placing tire chips below the groundwater table. The study was divided into three parts ; 1) laboratory TCLP leaching tests; 2) laboratory reactor simulation of ground conditions; and 3) small scale field trials with 1.5 tons of steel belted tire chips buried below the groundwater table in glacial till, marine clay, and peat.

Keywords tires, rubber-recycling
groundwater-quality
road materials-testing

Location shelf

Accession Date Oct 1998

Call Number 92-34(1-96)

Author Marquis, Brian

Title Field trial of gravel stabilization methods : Route 1, Cyr-Van Buren,
Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan 1996

Abstract "Experimental construction 92-34."

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location drawer

Call Number 95-05

Author Madden, Donald A.

Title Experimental use of high density polyethylene drainage pipes as a cross roadway drainage structure

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jan. 1996

Abstract "Experimental Construction 95-05"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Call Number 89-04(1-96)

Author Hsu, Martha T.

Title Corrosion protection of a new steel girder bridge : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jan 1996

Keywords bridges, iron and steel-Maine-Brunswick
epoxy coatings

Location shelf

Call Number 95-14

Author Bradbury, Richard L.

Title Measuring water-cement ratio by the nuclear and microwave methods

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Jan. 1996

Keywords concrete-testing

Location drawer

Call Number 91-6(3-96)

Title Summary of cold in-place recycling : inspection of 1995

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1996

Keywords pavements, asphalt-Maine-recycling

Location drawer

Call Number 95-08

Author Boucher, Richard

Title Protective coating systems for plows and wings : final report

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date May 1996

Abstract "Problem Solving 95-08"

Keywords snow plows-Maine

Location drawer

Call Number 92-02(6-96)

Author Thompson, Vernon E.

Title Comparison of overlays with sealed and unsealed cracks (interim report, 4th year)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun 1996

Abstract At head of title: Experimental construction 92-02.

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location drawer

Accession Date Jun 1996

Call Number 95-02(6-96)

Author Colson, Stephen W.

Title Reflective cracking control : interim report-first year

Publisher Maine Dept. of Transportation, Technical Services Division,
Research and Development Section

Publisher Location Augusta, Me.

Date Jun. 1996

Keywords pavements, asphalt-cracking-Maine
pavements-Maine -maintenance and repair

Location drawer

Call Number 92-33(9-96)

Author Auger, John P.

Title Precast concrete pile study Scotland bridge over the York River (third interim report)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Sep 1996

Abstract At head of title: Experimental construction 92-33.

The main objective of this study is to monitor and evaluate the field performance of the precast concrete piles located in pier numbers 1 and 2 of the Scotland Bridge superstructure. The piles are installed in a harsh salt water environment located on the York River in York, Maine.

Keywords bridges-Maine-design and construction
concrete piling
precast concrete construction-Maine

Location drawer

Accession Date Nov 1996

Call Number 92-33A(9-96)

Title Precast T-wall retaining wall system Scotland Bridge over the York River

Publisher Maine Dept. of Transportation, Technical Services Division

Publisher Location Augusta, Me.

Date Sep 1996

Abstract The main objective of the study is to monitor and evaluate the field performance of the t-wall retaining wall system. The T-wall is installed in a harsh salt water environment on the York River in York, Maine.

Keywords bridges-Maine-design and construction
retaining walls-Maine

Location drawer

Accession Date Nov 1996

Call Number 95-05(12-96)

Title Experimental use of high density polyethylene drainage pipe as a cross roadway drainage structure

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date Dec. 1996

Abstract "Experimental Construction 95-05"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Accession Date Dec 1996

Call Number 91-04 (12-96)

Author Shepherd, Eric C.

Title Segmental precast rigid frame bridge trial (final report)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1996

Abstract "Experimental Construction 91-04"

Keywords bridges-Maine-design and construction
bridges-Maine-Gorham

Location drawer

Call Number 96-02

Author Marquis, Brian

Title Longitudinal joint study : construction report

Publisher Maine Dept. of Transportation, Transportation Research Division, Bureau of Planning, Research and Community Services

Publisher Location Augusta, Me.

Date 1997

Keywords pavements-joints-maintenance and repair
pavements-cracking-Maine

pavements, bituminous-Maine-joints

Location drawer

Accession Date Jan 1997

Call Number 93-01(1-97)

Author Colson, Stephen W.

Title Cold in-place recycling using calcium

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Abstract Experimental construction 93-01.

Keywords calcium chloride
pavements, asphalt-Maine-recycling

Location drawer

Physical Description [3], [4] p.

Accession Date Jan 1997

Call Number 96-23

Author Bureau of Planning, Research and Community Services.
Transportation Research Division

Title MDOT Superpave asphalt binder test program

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Abstract "Problem Solving 96-23"

Keywords binders (materials)-testing

Location drawer

Accession Date Feb 1997

Call Number 96-21

Author Walker, Rollan

Title Superpave design process

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Abstract During the winter of 1995-96, it was the hope of MDOT to become more familiar with the Superpave design process while running designs for the upcoming construction season. To accomplish this goal the department intended to perform one complete Level 1 design from the first ten bituminous plants submitting.
"Problem Solving 96-21"

Keywords
pavements, asphalt-technological innovations-Maine

Location shelf

Accession Date Mar 1997

Call Number 96-30

Author Colson, Stephen W.

Title Road rater-falling weight deflectometer correlation

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Abstract At head of title: Problem solving 96-30.

Describes a correlation procedure undertaken when the department replaced a Road Rater 400B which had been used to collect roadway structural strength data with a JILS Falling Weight Deflectometer.

Keywords pavements-Maine-testing
road meters

Location drawer

Physical Description [10] p.

Accession Date Mar 1997

Call Number 97-13

Author Brown, William

Title Investigate the use of high performance concrete : problem solving

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Abstract At head of title: Problem solving 97-13.

This report investigates the effects and results (both in costs and savings) of using high-performance concrete with double the 28-day design strength of the standard Maine DOT design strength for bridge decks.

Keywords bridges-Maine-floors
high-performance concrete

Location drawer

Physical Description [5] p. ; bibliographical references

Accession Date Mar 1997

Call Number 97-5A

Title Comparison of polyurethane and carbide-tipped snowplow knives

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date 1997

Abstract "Problem Solving 97-5A"

Keywords snow plows-Maine

Location drawer

Accession Date Apr 1995

Call Number 97-5B

Title Comparison of carbide insert and carbide insert-steel faced snowplow knives

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Abstract "Problem Solving 97-5 B"

Keywords snow plows-Maine

Location drawer

Accession Date May 1997

Call Number Ref 15

Title Building environmental studies and projects : chronology and summary of related events/reports

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1997

Keywords indoor air quality
public buildings-Maine-heating and ventilation
Transportation Building (Augusta, Me.)

Location reference shelf-indoor air quality section

Physical Description 2 v.

Accession Date Jul 1997

Call Number TE 153 .D847

Author Dudley, Robert A.

Author 2 Olson, Scott

Title A preliminary study of runoff of selected contaminants from rural Maine highways

Publisher U.S. Geological Survey, in cooperation with **Maine Dept. of Transportation**; Maine Dept. of Environmental Protection; University of Maine Water Research Institute

Publisher Location Augusta, Me.

Date 1997

Series Water-resources investigations report ; 97-4041

Abstract The loads of phosphorus and total sediment in runoff from three rural highways in west-central Maine were estimated for the period from Spetember 1992 through August 1993.

Keywords water quality-Maine
groundwater flow-Maine
runoff-Maine

Location lib

Accession Date Jan 1998

Call Number 92-34(1-97)

Author Bureau of Planning, Research and Community Services.
Transportation Research Division

Title Field trial of gravel stabilization methods, Route 1, Cyr-Van Buren, Maine : 4th interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan 1997

Abstract "Experimental construction 92-34."

Keywords aggregates (building materials)-Maine
gravel-Maine

soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location drawer

Accession Date Feb 1997

Call Number 94-01(2-97)

Author Pilsbury, Arthur N.

Title Experimental utilization of rubber modified hot mix asphalt : interim report, second year

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date Feb 1997

Keywords asphalt-rubber

Location drawer

Accession Date Mar 1997

Call Number 90-05(3-97)

Author Technical Services Division, Research and Development Section

Title Experimental construction of a hot bituminous dense graded asphalt rubber mixture and asphalt fiber crack sealer : final report

Publisher Maine Dept. of Transportation Technical Services Division, Research and Development Section

Publisher Location Augusta, Me.

Date Mar. 1997

Keywords asphalt rubber
pavements, asphalt-Maine-cracking
roads-Maine-maintenance and repair

Location drawer

Accession Date Apr 1997

Call Number 92-02(7-97)

Author Thompson, Vernon E.

Title Comparison of overlays with sealed and unsealed cracks : final report

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services Transportation Research Division

Publisher Location Augusta, Me.

Date July 1997

Abstract At head of title: Experimental construction 92-02.

Keywords pavements-Maine-cracking
pavements-Maine-overlays

Location drawer

Accession Date Aug 1997

Call Number 97-21

Title Saw and seal airport pavement (construction report)

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1997

Abstract This project will investigate the effects of sawing and sealing joints in a hot bituminous pavement along an airport runway.
"Experimental Construction 97-21"

Keywords airports-Maine-runways-design and construction
pavements-Maine-design and construction

Location drawer

Accession Date Sep 1997

Call Number 96-2(8-97)

Author Garder, Per

Title The modern roundabout : the sensible alternative for Maine

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Aug 1997

Series Technical report ; 96-2

Keywords roads-Maine-interchanges and intersections
traffic circles-Maine-design and construction

Location shelf

Physical Description book ; 141 p.

Accession Date Aug 1997

Call Number 95-1

Author Lindyberg, R. F.

Author 2 Dagher, H.J.

Author 3 Gray, H.M.

Title The impact of the AASHTO LRFD bridge design specifications upon
bridge live loading in Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1997

Keywords bridges-Maine-design and construction
bridges-Maine-live loads

Location shelf

Call Number 97-02

Author Marquis, Brian

Title Potential increase in utilization of Maine timber : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec 1997

Abstract At head of title: Federal experimental 97-02.

Keywords bridges, wooden-Maine

Location shelf

Physical Description book ; [9] p.

Accession Date Jan 1998

Call Number 91-02(12-97)

Title Crack sealing before overlaying an asphalt concrete surface : final report : technical report 91-02

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1997

Keywords sealing compounds
asphalt concrete

Location shelf

Accession Date Jan 1998

Call Number 96-25 and 97-19

Author Colson, Stephen W.

Title Experimental use of sawed and sealed joints to minimize thermal cracking : construction report

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date 1998

Abstract At head of title: Experimental construction 96-25 and 97-19.

Keywords pavements, bituminous-Maine-joints
pavements, concrete-Maine-joints

Location drawer

Physical Description 10 p. in various pagings

Accession Date Jan 1998

Call Number 95-05(1-98)

Title Experimental use of high density polyethylene drainage pipe as a cross roadway drainage structure : interim report-second year

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date 1998

Abstract "Experimental construction 95-05"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Accession Date Feb 1998

Call Number 98-3

Author Bradbury, Richard L.

Title Potential benefits of adding emulsion to reclaimed base material

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract This study compares the properties of reclaimed base that has been treated with emulsified asphalt to control sections without emulsion. "Experimental Construction Project 98-3"

Keywords asphalt emulsion mixtures

pavements, asphalt-Maine

Location drawer

Accession Date Feb 1998

Call Number 98

Title FY 98 research program

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Accession Date Feb 1998

Call Number REF 16AC

Title Summary of AQIMT meeting on February 6, 1998

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Keywords Transportation Building (Augusta, Me.)
indoor air quality

Location reference shelf (see REF 16)

Call Number 97-15

Author Dubois, Travis

Title Review of chloride permeability test results

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract At head of title: Problem solving #97-15 .

Keywords concrete-testing
concrete-permeability

Location drawer

Physical Description [6] p. ;

Accession Date Apr 1998

Call Number REF 16AD

Title Summary of meeting of the MDOT Air Quality Improvement
Management Team, March 20, 1998

Publisher Maine Dept. of Transportation

Date 1998

Keywords Transportation Building (Augusta, Me.)
indoor air quality

Location Reference shelf (see REF 16)

Call Number 96-05

Author Koch, Peter B.

Author 2 Sandford, Thomas C.

Title Infiltration rate of water through pavement cracks

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract The objective of this study was to determine the infiltration rate of water through cracks in pavement surfaces to determine if the amount of infiltration was significant enough to contribute to weakening of the pavement.

Keywords pavements, asphalt; concrete-cracking-Maine
asphalt concrete-moisture
road drainage-Maine

Location lib MDOT collection

Accession Date June 1998

Call Number 98-7

Author Dubois, Travis

Title Synthesis of full depth reclamation practices on highways

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract "Problem Solving 98-7"

Keywords pavements, asphalt-recycling

Location drawer

Accession Date Sep 1998

Call Number 92-2B

Author Garder, Per

Title Little Falls, Gorham : a modern roundabout : a before/after study

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract Compares roundabouts to signalized intersections, and discusses the effectiveness and accident rate of the Gorham roundabout.

Keywords roads-Maine-Gorham-interchanges and intersections
traffic circles-Maine-Gorham-design and construction

Location lib MDOT collection

Accession Date Sep 1998

Call Number 97-20

Author Marquis, Brian

Title Subsurface drainage for rehabilitation of PCC pavement :
construction and first interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract Describes experiment in which subsurface drainage systems will be installed longitudinally at one or both sides of existing roadway subbase and the proposed granular subbase shoulder replacement. Federal experimental construction 97-20.

Keywords pavements, bituminous-Maine

portland cement
road drainage-Maine

Location drawer

Accession Date Sep 1998

Call Number 93-01(9-98)

Title Cold in-place recycling using calcium chloride : Readfield, Maine,
final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1998

Abstract In an effort to evaluate the potential advantages of using calcium chloride as a stabilizing agent, MDOT included the experimental use of CaCL₂ in one of its cold in-place recycling projects for the 1993 construction season.
"Experimental Construction 93-01"

Keywords calcium chloride
pavements, asphalt-Maine-recycling

Location drawer

Accession Date Oct 1998

Call Number 95-02(1-98)

Title Reflective cracking control : interim report-second year

Publisher Maine Dept. of Transportation, Transportation Research Division,
Bureau of Planning, Research and Community Services

Publisher Location Augusta, Me.

Date Jan 1998

Keywords pavements, asphalt-cracking-Maine
pavements-Maine-maintenance and repair

Location drawer

Accession Date Jan 1998

Call Number 1-1998

Title MDOT adopts the ignition method for hot mix asphalt testing

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jan. 1998

Keywords asphalt-Maine-testing
aggregates (building materials)-testing

Location drawer

Accession Date Feb 1998

Call Number 96-02(5-98)

Author Marquis, Brian

Title Longitudinal joint study : 1st interim

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date May 1998

Keywords pavements-joints-maintenance and repair

pavements-cracking-Maine
pavements, bituminous-Maine-joints

Location drawer

Accession Date May 1998

Call Number 92-34(5-98)

Author Marquis, Brian

Title Field trial of gravel stabilization methods, Route 1, Cyr-Van Buren,
Maine : 5th interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1998

Abstract "Experimental Construction 92-34"

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location drawer

Call Number 95-02 (7-98)

Author Colson, Stephen W.

Title Reflective cracking control : interim report-third year

Publisher Maine Dept. of Transportation, Transportation Research Division,
Bureau of Planning, Research and Community Services

Publisher Location Augusta, Me.

Date Jul. 1998

Keywords pavements, asphalt-cracking-Maine
pavements-Maine-maintenance and repair

Location drawer

Accession Date Aug 1998

Call Number 99-7

Title Comparison of density test methods on project IM-95-6596(00)E Old
Town-T2R8 : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jul. 1998

Abstract Because of problems with variations between quality control and
quality assurance testing of pavement density on the Old Town-T2R8
Interstate 95 project, a problem solving study was completed to
determine the extent of and possible causes of the variations.
"Problem Solving 99-7"

Keywords pavements-testing

Location drawer

Accession Date Sep 1998

Call Number 96-2(9-98)

Title Longitudinal joint study : 2nd interim
Publisher Maine Dept. of Transportation
Publisher Location Augusta, Me.

Date Sep. 1998

Abstract To reduce the effects of reflective cracking during overlay projects, the Maine Dept. of Transportation is proposing the use of an experimental product as well as various hot mix asphalt (HMA) rolling techniques to increase longitudinal joint densities.

Keywords pavements-joints-maintenance and repair
pavements-cracking-Maine
pavements, bituminous-Maine-joints

Location drawer

Accession Date Nov 1998

Call Number 96-25 and 97-19(10-98)

Title Experimental use of sawed and sealed joints to minimize thermal cracking : interim report, first year

Publisher Transportation Research Division, Bureau of Planning, Research and Community Services, **Maine Dept. of Transportation**

Publisher Location Augusta, Maine

Date Oct. 1998

Keywords pavements, bituminous-Maine-joints
pavements, concrete-Maine-joints

Location drawer

Accession Date Nov 1998

Call Number 95-05(10-98)

Author Colson, Stephen W.

Title Experimental use of high density polyethylene drainage pipe as a cross roadway drainage structure : interim report-third year

Publisher **Maine Dept. of Transportation**, Bureau of Planning, Research & Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date Oct. 1998

Abstract "Experimental Construction 95-05"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Accession Date Nov 1998

Call Number 95-4

Author Dixon, Leif A.

Title Construction behavior report : effects of bitumen coating on the axial and lateral loadings of abutment piles subject to downdrag

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Dec. 1998

Abstract Discusses the instrumentation of a bridge abutment in Brunswick,

Maine. The purpose was to produce information that could lead to improved design for bridge abutment foundations.
Technical report 95-4.

Keywords bridges-abutments-foundations-design and construction
load factor design
bitumen-coatings
fills (earthwork)

Location shelf

Corporate Responsibility Dept. of Civil and Environmental Engineering, University of Maine

Accession Date Jan 1999

Call Number 97-14

Author Fetten, Christine P.

Author 2 Humphrey, Dana N.

Title Instrumentation and performance of geosynthetics beneath flexible pavements in Winterport and Frankfort, Maine : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1998

Abstract The objective of this study was to evaluate the effectiveness of geosynthetics in terms of reinforcement, separation, and drainage for roadways constructed in cold regions where the aggregate base course is thicker than investigated in previous studies. the project goes beyond previous work by evaluating the effectiveness of geosynthetics as reinforcement, separation, and drainage layers in paved roadway sections with subbases ranging from 580 to 640 mm. in thickness.

Keywords roads-Maine-design and construction
geotextiles
pavements-Maine-design and construction

Location shelf

Corporate Responsibility University of Maine, Dept. of Civil and Environmental Engineering

Accession Date Jun. 1999

Call Number 12-98

Author Marquis, Brian?

Title ARAN/GIS video integration

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1999

Location drawer

Accession Date Jan 1999

Call Number 96-7

Author Hodgkins, Glen

Title Estimating the magnitude of peak flows for streams in Maine for selected recurrence intervals : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 1999

Series Water resources investigations report ; 99-4008

Abstract This report gives estimates of, and presents techniques for estimating, the magnitude of peak flows for streams in Maine for recurrence intervals of 2, 5, 10, 25, 50, 100, and 500 years.

Keywords flood forecasting-Maine
stream measurements-Maine
streamflow-Maine

Location shelf

Corporate Responsib U.S. Geological Survey

Accession Date Jun 1999

Title M&O green book : an environmental practices guide

Publisher Maine Dept. of Transportation, Bureau of Maintenance & Operations

Publisher Location Augusta, Me.

Date 1999

Location Director's Office, Environmental Services

Call Number 99-11

Author Marquis, Brian

Title Innovative solutions to buried portland concrete cement roadways :
construction report

Publisher Maine Dept. of Transportation, Transportation Research Division,
Bureau of Planning, Research and Community Services

Publisher Location Augusta, Me.

Date Jan. 1999

Abstract "State Experimental Construction 99-11."

Keywords roads-Maine-shoulders
roads-maintenance and repair

Location drawer

Accession Date Feb 1999

Call Number 96-6

Author Anderson, Andrew L.

Title Computer mediated decision making : phase II : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 1999

Abstract This research was undertaken as a follow-up to a previous research study designed to review computer-based technologies that could be used to improve the public phases of design projects.

Keywords public works-Maine-citizen participation
public works-Maine-computer simulation
graphical design technology

Location shelf

Corporate Responsib University of Southern Maine

Accession Date May 1999

Call Number 98-3(3-99)

Author Colson, Stephen W.

Title Potential benefits of adding emulsion to reclaimed base material :

interim report : first year

Publisher Maine Dept. of Transportation, Bureau of Planning, Research and Community Services

Publisher Location Augusta, Me.

Date Mar. 1999

Abstract A study was undertaken to compare the properties of reclaimed material treated with emulsified asphalt to material without this emulsion treatment.

Keywords asphalt emulsion mixtures pavements, asphalt-Maine

Call Number 91-6(4-99)

Author Dubois, Travis K.

Title Summary of cold in-place recycling

Publisher Maine Dept. of Transportation, Bureau of Planning, Research, and Community services, Transportation Research Division

Publisher Location Augusta, Me.

Date Apr. 1999

Abstract This report summarizes the performance of eleven highway projects that were rehabilitated using cold in-place methods.

Keywords pavements, asphalt-Maine-recycling

Location drawer

Accession Date Apr 1999

Call Number 98-10

Author LeSiegé, Timothy

Title Airborne controlled photogrammetry : the Maine experience : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 1999

Series Technical report ME ; 98-10

Abstract In the fall of 1997, the Photogrammetry and Control Unit of the survey section requested authorization to research the use of Airborne GPS controlled photogrammetry for engineering and design purposes.

Keywords aerial photogrammetry-Maine

Location shelf

Physical Description book ; 13 p.

Accession Date May 1999

Call Number 98-12

Title Hot mix asphalt longitudinal joint specification

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date May 1999

Series "Problem Solving 98-12"

Keywords pavements, asphalt-joints-design and construction

Location drawer

Accession Date July 1999

Call Number 98-4

Author Bradbury, Richard

Title Investigation of the desirability of using manufactured or synthetic aggregates : final report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Jun 1999

Series Technical report ; ME 98-4

Abstract This report examines the present availability of aggregates in Maine, as well as the availability and suitability of possible replacements. The impact of using low quality aggregates is also discussed.

Keywords aggregates (building materials)

Location shelf

Accession Date Aug 1999

Call Number 95-02 (7-99)

Author Colson, Stephen W.

Title Reflective cracking control : interim report, fourth year

Publisher Maine Dept. of Transportation, Transportation Research Division, Bureau of Planning, Research and Community Services

Publisher Location Augusta, Me.

Date Jul 1999

Keywords pavements, asphalt-cracking-Maine
pavements-Maine-maintenance and repair

Location drawer

Accession Date Aug 1999

Call Number 97-7

Author Colson, Stephen W.

Title An evaluation of winter maintenance material and placement equipment

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date Aug. 1999

Series Technical report ; ME 97-7

Abstract This report evaluates winter maintenance equipment and also discusses MDOT's experience with salt as a primary material for treating highways in winter.

Keywords roads-snow and ice control-equipment and supplies
roads-maintenance and repair
salt

Location shelf

Physical Description book ; 27, [60] p.

Accession Date Aug. 1999

Call Number 96-25 and 97-19 (8-99)

Title Experimental use of sawed and sealed joints to minimize thermal cracking : interim report-second year
Publisher **Maine Dept. of Transportation**, Transportation Research Division, Bureau of Planning, Research, and Community Services
Publisher Location Augusta, Me.
Date Aug. 1999
Keywords pavements, bituminous-Maine-joints
pavements, concrete-Maine-joints
Location drawer
Accession Date Aug. 1999

Call Number 95-05(9-99)

Author Colson, Stephen W.

Title Experimental use of high density polyethylene drainage pipe as a cross roadway drainage structure

Publisher **Maine Dept. of Transportation**, Bureau of Planning, Research & Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date Sept. 1999

Abstract "Experimental Construction 95-05"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Accession Date Sep 1999

Call Number 97-21(9-99)

Author Peabody, Dale

Title Saw and seal airport pavement (1st and 2nd year interim report)

Publisher **Maine Dept. of Transportation**, Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date Sep 1999

Abstract "Experimental Construction 97-21"

Keywords airports-Maine-runways-design and construction
pavements-Maine-design and construction

Location drawer

Accession Date Oct 1999

Call Number 98-3 (9-99)

Author Colson, Stephen W.

Title Potential benefits of adding emulsion to reclaimed base material : interim report, second year

Publisher **Maine Dept. of Transportation**, Transportation Research Division

Publisher Location Augusta, Me.

Date Sep. 1999

Abstract "Experimental Construction 98-3"

Keywords asphalt emulsion mixtures

pavements, asphalt-Maine

Location drawer

Accession Date Oct 1999

Call Number 00-1

Author Mallick, Rajib

Title Evaluation of permeability of Superpave mixes in Maine

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Nov. 1999

Series Technical report ; 00-1

Abstract This study was carried out to evaluate the permeability of Superpave mixes used by the Maine Dept. of Transportation, and to determine the effects of voids, gradation, and lift thickness on permeability.

Keywords pavements, asphalt concrete-design and construction
pavements, asphalt concrete-additives
asphalt emulsion mixtures
aggregates (building materials)
pavements, asphalt-permeability

Location shelf

Physical Description book ; 45 p. ; bibliographical references

Corporate Responsib Worcester Polytechnic Institute

Accession Date Dec 1999

Call Number 97-24

Author Redmond, Michael

Title Alkali silica reactivity aggregate screening : final report

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date Nov. 1999

Keywords pavements, concrete
alkali-aggregate reactions
silica
aggregates (building materials)-testing

Location shelf

Physical Description book ; 12 p.

Accession Date Dec 1999

Call Number 98-08

Author Thompson, William

Title Experimental utilization of permeable base

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date Dec. 1999

Abstract "Experimental Construction Project 98-08"

Keywords pavements-subgrades
aggregates (building materials)-evaluation
pavements-design and construction
road drainage-Maine

Location drawer

Accession Date Dec 1999

Call Number 99-5

Author Libby, Mark S.

Title Fast ferry report : phase 1

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Dec. 1999

Abstract "The purpose of this report is to identify those vessel types that will be best suited for service in coastal Maine waters."

Keywords ferries-Maine

Location shelf

Physical Description book ; 21 p. ; bibliographical references

Corporate Responsib Maine Maritime Academy

Accession Date Dec 1999

Call Number 99-8

Author Colson, Stephen W.

Title Experimental use of geogrids as an alternative to gravel placement : construction report

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date Dec. 1999

Edition "Experimental construction 99-8."

Keywords geotextiles
geogrids

Location drawer

Accession Date Feb 2000

Call Number 96-10

Author Smart, Aaron L.

Author 2 Humphrey, Dana N.

Title Determination of resilient modulus for Maine roadway soils

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date Dec. 1999

Series Technical report ; ME 96-10

Abstract The Maine DOT commissioned this study to examine methods of obtaining resilient modulus for use in pavement design.

Keywords pavements-Maine-subgrades-testing
road materials-Maine-testing
soil consolidation

Location shelf

Physical Description book ; 13, xvi, 222 p. ; bibliographical references

Accession Date Feb 2000

Call Number 96-2 (2-00)

Author Marquis, Brian

Title Longitudinal joint study : 3rd interim

Publisher **Maine Dept. of Transportation**, Bureau of Planning, Research & Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date Feb. 2000

Abstract At head of title: Federal experimental construction project 96-2 .

Keywords pavements-joints-maintenance and repair
pavements-cracking-Maine
pavements, bituminous-Maine-joints

Location drawer

Accession Date Feb 2000

Call Number 00-7

Author Colson, Stephen W.

Title Evaluation of hot and cold crack sealing methods and materials :
construction report

Publisher **Maine Dept. of Transportation**, Transportation Research Division,
Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date Feb. 2000

Abstract Experimental construction (00-7)

Keywords pavements-cracking-maintenance and repair
sealing compounds

Location drawer

Accession Date Mar 2000

Call Number 97-20(3-00)

Author Marquis, Brian

Title Subsurface drainage for rehabilitation of PCC pavement : second
interim report

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Mar. 2000

Abstract Federal Experimental Construction b97-20

Keywords pavements, bituminous-Maine
portland cement
road drainage-Maine

Location drawer

Accession Date Mar 2000

Call Number 99-11 (5-00)

Author Marquis, Brian

Title Innovative solutions to buried portland cement concrete roadways :
first interim report

Publisher **Maine Dept. of Transportation**, Bureau of Planning, Research, &

Community Services, Transportation Research Division

Publisher Location Augusta, Me.

Date May 2000

Abstract "State Experimental Construction 99-11"

Keywords roads-Maine-shoulders
roads-maintenance and repair

Location drawer

Accession Date June 2000

Call Number 00-18

Author Marquis, Brian

Title Longitudinal joint treatment : construction report

Publisher Maine Dept. of Transportation, Transportation Research Division,
Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date May 2000

Abstract Experimental Construction Project 00-18.

Keywords pavements, bituminous-Maine-joints

Location drawer

Physical Description [7], 3 p.

Accession Date June 2000

Call Number 99-4

Author Hughes, Chuck S.

Author 2 Killingsworth, Brian M.

Title Quality assurance specification review for hot mix asphalt and
structural concrete

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date May 2000

Abstract Final report.
Technical report ME 99-4.

Keywords asphalt-quality control
pavements, asphalt
concrete-quality control

Location shelf

Physical Description book ; iv, 29 p.

Corporate Responsib Fugro-BRE, Inc.

Accession Date Feb 2001

Call Number REF 16AF

Author Shea, Greg

Title Memorandum : MDOT building improvements

Publisher Maine Dept. of Transportation, Bureau of Finance and
Administration

Publisher Location Augusta, Me.

Date June 13, 2000

Keywords Transportation Building (Augusta, Me.)

indoor air quality

Location reference shelf (see REF 16)

Call Number REF 16AG

Title State of Maine agreement between owner and designer for design of state projects

Publisher H.L. Turner Group ; **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date June 27, 2000

Keywords Transportation Building (Augusta, Me.)
indoor air quality

Location Reference shelf (See REF 16, v. 2)

Call Number 92-35

Author Dagher, Habib J.

Author 2 Altimore, Frank M.

Title Field performance of a reinforced concrete bridge deck using 45 percent less reinforcement than required by AASHTO. Ferry Hill bridge, Orono, Maine

Publisher **Maine Dept. of Transportation**

Publisher Location Augusta, Me.

Date Aug. 2000

Series Technical report ; ME 92-35

Abstract Performed by Dept. of Civil Engineering, University of Maine at Orono.

This report compares the field performance of two reinforced-concrete bridge-deck sections designed using the AASHTO specifications and the Ontario Highway Bridge Design Code isotropic reinforcement method.

Keywords bridges, concrete-Maine-floors-performance

Location shelf

Physical Description book ; 45 p. ; bibliographical references

Accession Date Aug 2000

Call Number 92-34 (9-00)

Author Marquis, Brian

Title Field trial of gravel stabilization methods, Route 1, Cyr-Van Buren, Maine

Publisher **Maine Dept. of Transportation**, Transportation Research Division, Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date Sept. 2000

Abstract 6th interim report
"Experimental construction 92-34."

Keywords aggregates (building materials)-Maine
gravel-Maine
soil stabilization
roads-base courses
roads-subgrades
pavements-design and construction
gravel stabilization

Location drawer

Physical Description book ; 11 p.

Accession Date Oct 2000

Call Number 96-2(10-00)

Author Marquis, Brian

Title Longitudinal joint study : 4th interim

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date Oct. 2000

Abstract At head of title: Federal Experimental Construction Project 96-2

Keywords pavements-joints-maintenance and repair
pavements-cracking-Maine
pavements, bituminous-Maine-joints

Location drawer

Physical Description 8 p.

Accession Date Dec 2000

Call Number 00-18 (11-00)

Author Marquis, Brian

Title Longitudinal joint treatment : first interim report

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Nov. 2000

Abstract Experimental Construction Project 00-18.

Keywords pavements, bituminous-Maine-joints

Location drawer

Physical Description book ; 3, [2] p.

Accession Date Nov 2000

Call Number 97-20 (11-00}

Author Marquis, Brian

Title Subsurface drainage for rehabilitation of PCC pavement

Publisher Maine Dept. of Transportation, Bureau of Planning, Research & Community Services

Publisher Location Augusta, Me.

Date Nov. 2000

Abstract Federal Experimental Construction 97-20.

Keywords pavements, bituminous-Maine
portland cement
road drainage-Maine

Location drawer

Physical Description book ; [14] p.

Accession Date Nov 2000

Call Number 00-20

Author Thompson, William

Title Experimental utilization of tire shreds to enhance highway drainage :
Rome-Belgrade State route 27 STP-3509(30)X

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date 2001

Abstract Constuction report.
"Experimental Construction Project ME 00-20"

Keywords waste products as road materials
tires-recycling

Location drawer

Physical Description book ; 13 p.

Accession Date May 2001

Call Number 97-10a

Author Kingsbury, Don W.

Author 2 Sandford, Thomas

Author 3 Humphrey, Dana

Title Performance of a soil nail wall in a frost susceptible environment :
results from the first and second winters

Publisher Maine Dept.of Transportation

Publisher Location Augusta, Me.

Date 2001

Series Technical report ; ME 97-10a

Keywords retaining walls-cold weather conditions-Maine
engineering-cold weather conditions-Maine

Location shelf

Physical Description book ; xix, 297 p. ; bibliographical references

Corporate Responsib Dept. of Civil and Environmental Engineering, University of Maine

Accession Date May 2001

Call Number 96-25 and 97-19(1-01)

Author Colson, Stephen W.

Title Experimental use of sawed and sealed joints to minimize thermal
cracking

Publisher Maine Dept. of Transportation, Transportation Research Division,
Bureau of Planning

Publisher Location Augusta, Me.

Date Jan. 2001

Abstract Interim report-third year.
At head of title: Experimental construction 96-25 and 97-19.

Keywords pavements, bituminous-Maine-joints
pavements, concrete-Maine-joints

Location drawer

Physical Description book ; [7] p.

Accession Date Feb 2001

Call Number 97-4 and 97-6

Author Colson, Stephen W.

Title Evaluation of Superpave gradation and performance graded asphalt binders

Publisher Maine Dept. of Transportation, Transportation Research Division, Bureau of Planning

Publisher Location Augusta, Me.

Date Jan. 2001

Abstract Construction/interim report.
At head of title : "Experimental Construction 97-4 and 97-6"

Keywords pavements, asphalt-additives-evaluation
Superpave
pavements, asphalt-design and construction

Location drawer

Physical Description book ; [12] p.

Accession Date Feb 2001

Call Number 95-05 (1-01)

Author Colson, Stephen W.

Title Experimental use of high density polyethylene drainage pipe as a cross roadway drainage structure

Publisher Maine Dept. of Transportation, Transportation Research Division, Bureau of Planning

Publisher Location Augusta, Me.

Date Jan. 2001

Abstract Final report.
"At head of title : Experimental Construction 95-05"

Keywords drainage pipes
roads-maintenance and repair

Location drawer

Physical Description book ; [6] p.

Accession Date Feb 2001

Call Number 98-3 (2-01)

Author Colson, Stephen W.

Title Potential benefits of adding emulsion to reclaimed base material : interim report : third year

Publisher Maine Dept. of Transportation, Transportation Research Division, Bureau of Planning

Publisher Location [Augusta, Me.]

Date Feb 2001

Abstract At head of title : Experimental construction 93-3

Keywords asphalt emulsion mixtures
pavements, asphalt-Maine

Location drawer

Physical Description book ; [12] p.

Accession Date Mar 2001

Call Number 00-8

Author Marquis, Brian

Title Utility pole crash modeling

Publisher Maine Dept. of Transportation

Publisher Location Augusta, Me.

Date Feb. 2001

Abstract Final report

Keywords traffic accidents-research
roads-safety measures

Location shelf

Physical Description book ; 55 p. ; ill. (some color)

Accession Date Jul 2001

Call Number 00-7(3-01)

Author Colson, Stephen

Title Evaluation of hot and cold crack sealing methods and materials :
interim report : first year

Publisher Maine Dept. of Transportation, Bureau of Planning,
Transportation Research Division

Publisher Location [Augusta, Maine]

Date Mar 2001

Abstract Experimental construction (00-7)

Keywords pavements-cracking-maintenance and repair
sealing compounds

Location drawer

Physical Description book ; 12 p.

Call Number 95-02 (4-01)

Author Colson, Stephen W.

Title Reflective cracking control

Publisher Maine Dept. of Transportation, Bureau of Planning,
Transportation Research Division

Publisher Location [Augusta, Me.]

Date Apr. 2001

Abstract At head of title: Experimental construction 95-02.
Final report.

Keywords pavements, asphalt-cracking-Maine
pavements-Maine-maintenance and repair

Location drawer

Physical Description book ; 11 leaves ; maps ; ill. (col.)

Accession Date Apr 2001

Call Number 99-11 (4-01)

Author Marquis, Brian

Title Innovative solutions to buried portland cement concrete roadways :
second interim

Publisher Maine Dept. of Transportation, Bureau of Planning,
Transportation Research Divisions

Publisher Location [Augusta, Me.]

Date Apr. 2001

Abstract "Experimental construction report 99-11."

Keywords roads-Maine-shoulders
roads-maintenance and repair

Accession Date Apr 2001

Call Number 00-19

Author Colson, Stephen

Title Comparison of "saw and seal" procedure and performance grade binder to minimize thermal cracking

Publisher Maine Dept. of Transportation

Publisher Location [Augusta, Me.]

Date Apr 2001

Abstract Construction report

Keywords pavements, bituminous-Maine-joints
pavements, concrete-Maine-joints

Location drawer

Physical Description book ; 9 leaves

Call Number 98-2

Author Marquis, Brian

Title ARAN/GIS video integration

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date Aug. 2001

Keywords geographic information systems
remote sensing
digital mapping
roads-Maine-inventories
information storage and retrieval-geography

Location shelf

Physical Description book ; 11 p.

Accession Date Jan 2002

Call Number 99-6

Author Dudley, Robert W.

Author 2 Mann, Alexander

Author 3 Hodgkins, Glenn

Title Evaluation of the effects of development on peak flow hydrographs for Collyer Brook, Maine

Publisher Maine Dept. of Transportation ; U.S. Geological Survey

Publisher Location Augusta, Me.

Date Dec. 2001

Series Water-resources investigations report ; 01-4156

Abstract Report no. ME 99-6.

Keywords urban runoff-Maine-Collyer Brook Watershed
stream measurements-Maine-Collyer Brook
land use-environmental aspects-Maine-Collyer Brook Region

Location shelf

Physical Description book ; iv, 11 p. ; maps ; bibliographical references

Corporate Responsibility Maine Dept. of Transportation ; Geological Survey (U.S.)

Call Number 01-16

Author Thompson, William

Title Evaluation of radar activated changeable message sign for work zone speed control

Publisher Maine Dept. of Transportation, Transportation Research Division

Publisher Location Augusta, Me.

Date 2002

Series Technical report ; 01-16

Keywords complete keywords

Location shelf

Physical Description book ; 6 leaves

Accession Date Mar 2002

