

BIBLIOGRAFIAS ESPECIALES

EXTRAIDAS DEL REPERTORIO "INDEX SCIENTIAE"
Y COORDINADAS

POR LA

Srta. Fernanda Foucaud

MATERIALES PARA CAMINOS

RUNNER, D. G.

625.7—8.002.3

1933 — RELATION OF GEOLOGICAL FORMATIONS TO ROAD MATERIAL SURVEYS. *Roads & Streets* v 76 n 8 Aug. 1933 p 301-3. Description of geological formations which are likely to be encountered in making survey, and their effect upon amount of material which may be economically recovered.

"Index Scientiae" Of. Bibliog. de la Universidad

(.....)

625.7—8.002.3 : (083.75)

1933 — ROAD MATERIALS. *Am Soc Testing Matls - Tentative Standards (Issued Annually) 1933* p 582-660. Tentative specifications; methods of testing; recommended practice for bituminous paving-plant inspection.

"Index Scientiae" Of. Bibliog. de la Universidad

(.....)

625.7—8.002.3 : (083.75)

1933 — ROAD MATERIALS. *Am Soc Testing Matls — Standards (Issued Triennially) pt 2 (Non-Metallic Materials) 1933* p 899-1011. Standard specifications, definitions and methods of testing.

"Index Scientiae" Of. Bibliog. de la Universidad

ESPECIFICACIONES

(.....)

625.7—8.002.3 : (083.75)

1932 — REPORT OF COMMITTEE D-4 ON ROAD AND PAVING MATERIALS. *Am Soc Testing Matls — Proc* v 32 pt 1 mtg June 20-24 1932 p 423-35. Report of Subcommittee B-6 on extraction of bituminous aggregates; appendix includes proposed methods of testing sheet asphalt paving mixtures.

"Index Scientiae" Of. Bibliog. de la Universidad

(.....)

625.7—8.002.3 : (083.75)

1932 — ROAD MATERIALS. *Am Soc Testing Matls — Proc* v 32 pt 1 mtg June 20-24 1932 p 775-88. Tentative specifications and methods of testing portland-cement concrete, bituminous materials and for residue of specified penetration; chemical analysis of calcium chloride.

"Index Scientiae" Of. Bibliog. de la Universidad

ASFALTO

(.....)

625.7—8.002.3 : 665.45

1933 — AGGREGATE PRODUCERS ARE LOGICAL MAKERS OF ASPHALT PAVING MIXES. *Pit & Quarry* v 26 n 3 Sept. 1933 p 39-40. Growing use of and demand for low-cost pavements has resulted in development of many types of patented asphaltic mixtures; West Process Pavement Co plans to install process in aggregate plants.

"Index Scientiae" Of. Bibliog. de la Universidad

(.....)

625.7—8.002.3 : 665.45

1933 — BRITISH STANDARD SPECIFICATION FOR SINGLE-COAT ASPHALT (Cold Process). (Forming one of series of British Standard Specifications for Asphalt Road Surfacing). *Brit Standards Instu-Standard Specification* n 510 — 1933. 28 p.

- (.....) 625.7—8.002.3 : 665.45 TAYLOR, N. H. 625.7—8.002.3 : 665.45
- 1933—BRITISH STANDARD SPECIFICATION FOR TWO-COAT ASPHALT (Cold Process). (Forming one of series of British Standard Specifications for Asphalt Road Surfacing). Brit Standards Instn-Standard Specification n 511-1933 28 p.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- (.....) 625.7—8.002.3 : 665.45
- 1933—CALIFORNIA DEVELOPMENT EXTENDS USE OF EMULSIFIED ASPHALT. Construction Methods v 15 n 1 Jan 1933 p 38-9. Mixture employing preheated aggregate may be applied immediately or stock-piled for future use; typical grading of emulsion premix.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- HUBBARD, P. 625.7—8.002.3 : 665.45
- 1933—CHARACTERISTICS OF LIQUID ASPHALTIC ROAD MATERIALS. Quarry & Roadmaking v 38 n 441 Aug. 1933 p 338-40. Methods of manufacture, testing and use; rapid curing process. Before Assn Highway Officials of North Atlantic States.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- GRAY, B. E. 625.7—8.002.3 : 665.45
- 1932—CUT-BACK ASPHALTS FOR CONSTRUCTION OF LOW-COST ROADS. Contract Rec v 46 n 51 Dec. 21 1932 p 1405-7 and v 47 n 2 Jan 11 1933 p 34-6. Consideration of various types of pavements that can be built or maintained with cut-backs; road-mix surfaces; graded aggregate type; macadam aggregate type; plant-mix surfaces; resurfacing and widening.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- HUBBARD, P. 625.7—8.002.3 : 665.45
- 1933—CUT-BACK ASPHALTS-THEIR CHARACTERISTICS AND USE. Roads & Streets v 76 n 1 and 2 Jan 1933 p 19-20 and Feb p 87-9: see also Contract Rec v 47 n 21 May 24 1933 p 499-502. Jan: General characteristics of cut-back asphalts; value of distillation test for cut-backs. Feb: Highway uses of cut-back asphalt; priming; surface treating and seal coating; mineral aggregates for road or plant mixing; open aggregates mixtures; dense graded aggregate mixtures. Before Tenth Annual Asphalt Paving Conference.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- DESIGN AND TESTING OF ASPHALT PAVING MIXTURES. Roads & Road Construction v 11 n 124, 125, 126, 127 and 128 Apr 1 1933 p 118-20, May 1 p 148-50, June 1 p 179-82, July 1 p 223-4 and Aug 1 p 258-60. Indexed in Engineering Index 1932 p 1123 from Soc Chem Industry-J (Trans & Communications) Dec 30 1932.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- HUBBARD, P. 625.7—8.002.3 : 665.45
- 1933—FOR PRODUCER OF LIQUID ROAD MATERIALS. Petroleum world (Lond) v 30 n 393 June 1933 p 163-6; extract in Nat Petroleum News v 25 n 20 May 17 1933 p 40. Original paper reviews use of liquid asphaltic petroleum products for highway purposes; asphaltic base oils; variation of amount of asphalt in oil causes differences in behavior of oil of same viscosity; test of asphalt content; manufacture of road products; characteristics of three classes of liquid asphaltic road materials; advantages of these materials in construction of low cost roads. Before Am Petroleum Inst.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- (.....) 625.7—8.002.3 : 665.45
- 1933—LIQUID ASPHALT ROAD MATERIALS. Surveyor v 83 n 3144 Feb 24 1933 p 245-6. Specifications recommended by Asphalt Institute of United States; fundamental determinations, rapid-curing cut-back asphalts; medium-curing cut-back asphalts; slow curing products; methods of test; flash point (open tag); distillation.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- EMERY, H. 625.7—8.002.3 : 665.45
- 1933—MINERAL FILLERS FOR SHEET-ASPHALT PAVING MIXTURES. Am Inst Min & Met Engrs-Contrib n 17 mtg Feb 1933 28 p. Purposes of mineral filler in asphalt paving mixture are: to reduce voidage and to increase resistance of pavement to displacement under traffic; effect of several variables on these factors; list of materials used as filler; specification data; stability values of asphalt paving mixtures using various fillers; laboratory test data. Bibliography.
 “*Index Scientiae*” Of. Bibliog. de la Universidad
- GALLETTI, P. 625.7—8.002.3 : 665.45
- 1932—SU ALCUNI ESPERIMENTI INIZIATI DALL'AZIENDA AUTONOMA STATALE DELLA STRADA PER NUOVE FORME D'IMPIEGO DELLA POLVERE DI ROCCIA ASFALTICA NELLE PAVIMENTAZIONI STRADALI. Annali dei Lavori Pubblici v 70 n 10 Oct 1932 p 836-40.
 “*Index Scientiae*” Of. Bibliog. de la Universidad

- (.....) 625.7—8.002.3 : 665.45
 1933—VORLAEUFIGES MERKBLATT UEBER DIE HERSTELLUNG RAUHER STRASSENBELAEGE UNTER VERWENDUNG VON ASPHALTBITUMEN. Petroleum v 29 n 3 Jan 18 1933 p 11-2.
 "Index Scientiae" Of. Bibliog. de la Universidad
- OSTRANDER, V. L. 625.7—8.002.3 : 665.45
 1933—ADVANTAGES OF EMULSIFIED ASPHALT IN PENETRATION TYPE CONSTRUCTION. Can Engr v 64 n 5 Feb 7 1933 p 13-7 Differences between emulsion and hot asphalt; characteristics of emulsion and method of application; closing voids; resurfacing old pavements; manipulating unequal depths; covering abandoned rails; varieties of surface finish. Before Asphalt Paving Conference.
 "Index Scientiae" Of. Bibliog. de la Universidad
- KESSON, C. L. MC, 625.7—8.002.3 : 665.45
 OSTRANDER, V. L.
 and KERN, F. X.
 1933—ASPHALT EMULSIONS IN LOW COST ROAD CONSTRUCTION. Pub Works v 66 n 1 Jan 1933 p 29-30. Mixed-in-place construction using emulsified asphalt; two types of mixed-in-place surfacing; coarse aggregate road mix; densely graded aggregate type; asphalt emulsion in penetration type construction; thin penetration surfaces; resurfacing old pavements; varieties of surface finish; emulsified asphalt in surface treatment; types of treatment; equipment and costs.
 "Index Scientiae" Of. Bibliog. de la Universidad
- KISCHBRAUN, L. 625.7—8.002.3 : 665.45
 1933—EVALUATION OF EMULSIFIED ASPHALTS FOR ROAD BUILDING PURPOSES. Roads & Streets v 87 n 4 Apr 1933 p 150-5. Properties of road-building emulsions; homogeneity; screening test; modified sedimentation test; correlation of sedimentation tests with storage observations; mechanical stability and "break"; Mc Kesson, stone-mixing and calcium-chloride tests; relation between calcium-chloride test and break upon road; quality of deposited film.
 "Index Scientiae" Of. Bibliog. de la Universidad
- (.....) 625.7—8.002.3 : 665.45
 1933—TREATMENT OF ROAD SURFACES WITH BITUMEN EMULSIONS. Engineering v 135 n 3518 June 16 1933 p 659. Results obtained in curing concrete by means of bitumen preparation sprayed on; coating remains effective as seal for months after it has been subjected to traffic; material used is bituminous emulsion known as Colas, produced by Colas Products Ltd.
 "Index Scientiae" Of. Bibliog. de la Universidad
- PEARSON, T. A. 625.7—8.002.3 : 665.45
 1933—BUILT MORTAR-BOUND MACADAM ROADS WITH BITUMEN-COATED CEMENT. Concrete v 41 n 11 Nov 1933 p 9-10. Materials of German origin known, as temperature-resisting cement and manufactured by Medusa Portland Cement Co; by addition of bituminous material to cement, initial set in this cement is delayed for about 8 hr. Before Am Road Bldrs Assn.
 "Index Scientiae" Of. Bibliog. de la Universidad
- NEUMANN, E. 625.7—8.002.3 : 665.45
 1933—CRITICAL EXAMINATION OF BITUMEN ROAD MATERIALS. Surveyor v 84 n 2183 Nov 24 p 475-8. Review of German methods of testing bituminous road materials for resistance to compression, impact resistance, stability, tensile strength, resistance to impression, plunger pressure, compressibility. Before Soc Chem Industry at Pub Works, Roads and Transport Congress.
 "Index Scientiae" Of. Bibliog. de la Universidad
- WALTHER, C. 625.7—8.002.3 : 665.45
 1933—DEUTSCHLANDS VERSORGUNG MIT MINERALOELN UND BITUMINOESEN STRASSENBAUSTOFFEN. VDI Zeit v 77 n 43 Oct 28 1933 p 1153-6.
 "Index Scientiae" Of. Bibliog. de la Universidad
- BOUTET, M. 625.7—8.002.3 : 665.45
 1932—ETUDE SUR L'ADDITION DE "FILLERS" DE DIFFERENTES ORIGINES AUX LIANTS HYDROCARBONES EN VUE DE LEUR AMELIORATION POUR LE REVETEMENT DES CHAUSSEES. Annales des Ponts et chaussées (Partie Technique) v 2 n 6 Nov-Dec 1932 p 273-318.
 "Index Scientiae" Of. Bibliog. de la Universidad
- LEUTE, A. 625.7—8.002.3 : 665.45
 1933—EVAPORATION ET OXYDATION DES REVETEMENTS A BASE DE GOUDRON DE HOUILLE. Académie des Sciences — C R v 196 n 23 Junin 6 1933 p 1729-31; Génie Civil v 102 n 25 Junin 24 1933 p 508.
 "Index Scientiae" Of. Bibliog. de la Universidad
- POTTER, F. M. 625.7—8.002.3 : 665.45
 1933—MECHANICAL TESTING OF BITUMINOUS ROAD MATERIALS. Soc. Chem Industry-J (Chem & Industry) v 52 n 45 Nov 10 1933 p 906-7; Roads & Road Construction v 11 n 131 Nov 1 1933 p 340. There has been steadily growing opinion that separate materials having been tested, further, group of tests should be applied to paving mixture when laying, these tests being designed to demonstrate serviceability of paving; attention should be given to traffic-load factor, effect of frost, moisture, temperature changes, etc.
 "Index Scientiae" Of. Bibliog. de la Universidad

HUBBARD, P.

625.7—8.002.3 : 665.45

1933 — MECHANICAL TESTING OF BITUMINOUS ROAD MIXTURES. Surveyor v 84 n 2182 Nov 17 1933 p 443-4 Stability tests; design of bituminous paving mixtures; voids in compressed bituminous mixtures and aggregates; miscellaneous use of stability test: resistance to water action and cracking. Before Soc Chem Industry at Pub Works, Roads & Transport Congress.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

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625.7—8.002.3 : 665.45

1932 — PUBLIC WORKS, ROADS AND TRANSPORT CONGRESS (1933) Quarry & Roadmaking v 38 n 446 Dec 1933 p 516-22 (discussion) 522-3. Abstracts of three papers, as follows; Laboratory Tests and Their Correlation with Full Scale Road Experiments, R. G. C. BATSON; Some Factors Involved in Mechanical Testing of Bituminous Mixtures. W. G. ADAM and D. G. MURDOCH; Mechanical Testing of Bituminous Road Mixtures, P. HUBBARD.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

ADAM, W. G. and
MURDOCH, D. G.

625.7—8.002.3 : 665.45

1933 — SOME FACTORS INVOLVED IN MECHANICAL OF BITUMINOUS MIXTURES. Surveyor v 84 n 2183 Nov 24 1933 p 479-80. Compaction by roller action; method of applying load to specimens; sand-blast attrition test. Before Soc Chem Industry at Pub Works, Roads and Transport Congress.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

WACE, R. G.

625.7—8.002.3 : 665.45

1932 — SOMETHING NEW IN ROAD SURFACING TECHNIQUE. Contract Rec v 47 n 21 May 24 1933 p 503-5; Can Engr v 64 n 22 May 30 1933 p 17-8. Characteristics of new bituminous emulsion known as Terolas evolved by Colas Products, Ltd, of London, presenting special merits for low-cost construction.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

SPIELMANN, P. E.

625.7—8.002.3 : 665.45

1933 — WORLD PETROLEUM CONGRESS. 19th-25th July. 1933. Roads & Road Construction v 11 n 128 Aug 1 1933 p 245-6. Abstract of paper on asphaltic bitumen, asphaltic bitumen-tar mixtures, bituminous mixtures, bituminous emulsions, etc.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

ALQUITRAN DE HULLA

MILNE-WATSON, D. 625.7—8.002.3 : 668.731

1933 — BRITISH ROAD TAR ASSOCIATION. Gas J v 204 n 3678 Nov 15 1933 p 523-4. Presidential address, with general comment on coal industry, carbonization, gas manufacture, production of liquid fuels from coal, and importance of use of coal tar as road material.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

MALLISON.

625.7—8.002.3 : 668.731

1933 — COLD TAR. Gas J v 202 n 3657 June 21 1933 p 862-4; see also Gas world v 98 n 2551 June 24 1933 p 674-5 and Surveyor v 83 n 2161 June 23 1933 p 647-8. Cold tar, in Germany, means road tar which by addition of easily volatile solvents, is diluted to such extent as to enable it to be laid on street in liquid form at usual temperature; distinction between cold tars and tar emulsions; specifications for cold tars; practical test-methods. Before Int Road Tar Conference, Lucerne.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

LEAUTE, A.

625.7—8.002.3 : 668.731

1933 — EVAPORATION ET OXYDATION DES REVETEMENTS A BASE DE GOUDRON DE HOUILLE. J des Usines a Gaz v 57 n 15 Aout 5 1933 p 398.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

WAGNER, H.

625.7—8.002.3 : 668.731

1933 — FORTSCHRITTE IN DER CHEMIE DER STRASSENTEERE UND STRASSENTEEREMULSIONEN. Angewandte Chemie v 46 n 19 Mai 13 1933 p 253-69.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

CONFERENCE.

625.7—8.002.3 : 668.731

1933 — INTERNATIONAL ROAD TAR CONFERENCE. Quarry & Roadmaking v 38 n 440 July 1933 p 294-9; see also Roads & Road Construction v 11 n 127 July 1. 1933 p 214-5. Abstracts of papers presented: Tar Concrete, W. E. CONE; Cold Tars, MALLISON; Filled Tars, P. Le GAVRIAN, D. BOUTET and G. BEDAUX.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

MALETTE, J.

625.7—8.002.3 : 668.731

1933 — NOTE SUR UN APPAREIL DE LABORATOIRE DESTINE A LA DISTILLATION FRACTIONNEE DES GOUDRONS POUR ROUTES. Chimie et Industrie v 29 n 6 (Special No) Juin 1933 p 851-2.

“*Index Scientiae*” Of. *Bibliog. de la Universidad*

LE GAVRIAN, P. 625.7—8.002.3 : 668.731

1932—NOUVELLE NOTE AU SUJET DE L'AMELIORATION DES GOUDRONS POUR ROUTES AU MOYEN DE "FILLERS", Annales des Ponts et Chaussées (partie Technique) v 2 n 6 Nov-Dec 1932 p 265-72.

"Index Scientiae" Of. Bibliog. de la Universidad

COOKE, F. 625.7—8.002.3 : 668.731

1933—PROGRESS IN DIRECT RECOVERY OF STANDARD ROAD TAR AND OTHER TAR CONSTITUENTS FROM VERTICAL RETORT, COKE OVEN AND OTHER PRODUCING PLANTS. Gas World v 98 n 2544 May 6 1933. (Coking Sec) p 8-10 (discussion) 10-4; see also Gas J v 202 n 3656 June 14 1933 p 811-3 and Iron & Coal Trades Rev v 126 n 3401 May 5 1933 p 709 (discussion) 709. Data supplementing paper indexed in Engineering Index 1930 p 1523 from various sources, concerning process developed at coke-oven plant at Wombwell Main Collieries, Barnsley; operation on coke ovens; removal of ammonium salts; experiments at various plants; summary of advantages of processes.

"Index Scientiae" Of. Bibliog. de la Universidad

RHODES, E. O. 625.7—8.002.3 : 668.731

1933—ROAD-TAR CONSISTENCY CONVERSION CHART. Eng News-Rec v 111 n 16 Oct 19 1933 p 474-5. Conversion curves determined by tests showing relationship of road-tar consistencies as given by different methods; examples.

"Index Scientiae" Of. Bibliog. de la Universidad

PICKARD, H. 625.7—8.002.3 : 668.731

1933—ROAD TAR. Soc Chem Industry-J (Chem & Industry) v 52 n 1 Jan 6 1933 p 4-5. Measurement of viscosity of coal tars and pitches; correlation of absolute viscosity of pitch and consistency as measured by Metro instruments, and softening points as variously recorded. From report published by South Metropolitan Gas Co.

"Index Scientiae" Of. Bibliog. de la Universidad

(.....) 625.7—8.002.3 : 668.731

1933—TAR FOR ROAD MAKING. Instn Min Engrs-Memo n 11 Apr 1933 4 p; see also Gas Engr v 1 n 8 July 1933 p 389; Colliery Guardian v 146 n 3779 June 2 1933 p 1014; and Iron & Coal Trades Rev v 126 n 3405 June 2 1933 p 860. Unsuitability of water-bound macadam roads for high-speed motor traffic; use of coal tar as binder; coal tar and its markets road tar and its competitors; properties required in road tar; uses of road tar for surface spraying, as binder for tar macadam, and for grouting dry rolled surface.

"Index Scientiae" Of. Bibliog. de la Universidad

WEBER, H.

625.7—8.002.3 : 668.731

1933—BREAKDOWN OF BITUMINOUS ROAD-MAKING EMULSIONS IN CONTACT WITH STONE. Indus Chemist v 9 n 102 July 1933 p 240-3. Method which completely suppresses evaporation and therefore determines influence of stone itself on stability of emulsion: principles of procedure; study of individual experimental factors; quantitative procedure; study of road-construction emulsions and stones by method used in Saxony; cause of breaking of emulsions in contact with stone; mechanism of "breaking".

"Index Scientiae" Of. Bibliog. de la Universidad

UIBERREITER, G. 625.7—8.002.3 : 668.731
und SUIDA, H.

1933—UEBER DEN ZERFALL VON STRASSENBAUEMULSIONEN IN BERUEHRUNG MIT OESTERREICHISCHEN STRASSENBAUGESTEINEN, Petroleum v 29 n 29 Juli 22 1933 p 1-6.

"Index Scientiae" Of. Bibliog. de la Universidad

HORMIGON ALQUITRANICO

CONE, W. E.

625.7—8.002.3 : 668.731

1933—TAR CONCRETE. Gas J v 202 n 3657 June 21 1933 p 864-5; see also Gas World v 98 n 2551 June 24 1933 p 672-4; Eng & Contract Rec (formerly Contract Rec) v 47 n 31 Aug 2 1933 p 739-41; Surveyor v 83 n 2161 June 23 1933 p 645-6 and Chem Age v 28 n 730 June 24 1933 p 573-4. Importance in desing of tar-concrete mixtures, of knowledge of factors which control resistance to displacement under traffic; stability; durability; principal weakness of fine aggregate of tar concrete compressed mixtures lies in their incapacity to maintain structural strength necessary to prevent distortion and rutting of pavements; coarse aggregate increases structural strength; method of application of tar concrete mixtures. Before Int Road Tar Conference.

"Index Scientiae" Of. Bibliog. de la Universidad

COSTO DE LA CONSTRUCCION DE CAMINOS

HARRISON, J. L.

625.7—8.00312

1933—INDEX OF COST OF HIGHWAY CONSTRUCTION. Pub Roads v 14 n 5 July 1933 p 81-92. Study of unit prices for highway excavation, surfacing, and structures from 1923; quantities of work and materials required per mile of highway; price trend in highway construction; cost trend in highway construction.

"Index Scientiae" Of. Bibliog. de la Universidad

PROYECTO, establecimiento de

ROYAL-DAUSON, F. G.

625.724

HEINEKAMP und FEHLEMANN 625.72

1933 — DIEAUSBILDUNG DES QUERSCHNITTES DER KRAFTFAHRBAHNEN. Verkehrstechnik n 14 Juli 20 1933 p 345-8.

"Index Scientiae" Of. Bibliog. de la Universidad

CURVAS, TRAZADO

PLATT, H. C. 625.724

1933 — ANALYSIS OF CAMBER AND SUPERELEVATION ON ROAD CURVES. Surveyor v 83 n 2154 May 5 1933 p 485-6. Review of principles of design. Before Instn Civ Engrs.

"Index Scientiae" Of. Bibliog. de la Universidad

POTTER, W. B. 625.724

1933 — BANKING HIGHWAY CURVES. Eng News-Rec v 111 n 11 Sept 14 1933 p 327. Discussion of movement of automotive vehicles around curves, with special reference to incidents and severity of accidents.

"Index Scientiae" Of. Bibliog. de la Universidad

CAREY, C. O. 625.724

1933 — CALCULATING VERTICAL CURVES BY FIRST AND SECOND DIFFERENCES. Civ Eng (NY) v 3 n 1 and 2 Jan 1933 p 34-5 and Feb (discussion) p 98. Method of solving problems of vertical curves differing slightly from that usually given in textbooks; tabular calculation for vertical curve.

"Index Scientiae" Of. Bibliog. de la Universidad

WILEY, C. C. 625.724

1933 — CONCERNING VERTICAL CURVES. Eng News-Rec v 110 n 8 Feb 23 1933 p 258-9. Discussion of paper entitled: Parabolic Vertical Curves of Highway Grades, M. W. FURR, indexed in Engineering Index 1932 p 1130 from issue of Oct 27 1932.

"Index Scientiae" Of. Bibliog. de la Universidad

LOENNROTH, A. 625.724

1933 — MINKAELAISIA KAARRESAETETIAE OLISI TEILLAEMME KAEYTETTAEVAE. Teknillinen Aikakauslehti n 5/6 Mai-Juni 1933 p 201-5.

"Index Scientiae" Of. Bibliog. de la Universidad

ULLERSTAM, A. E. 625.724

1933 — OM KOERBANERKURVOR. Teknisk Tidskrift v 63 n 4 und 12 Jan 28 1933 (Vaeg- och Vattenbyggnadskonst) p 6-11 und Marz 25 (Vaeg- och Vattenbyggnadskonst) p 33-6.

"Index Scientiae" Of. Bibliog. de la Universidad

1933 — RECTIFYING ROAD CURVES. Roads & Road Construction v 11 n 121, 122 and 123, Jan 2 1933 p 23-4, Feb 1 p 57-8 (discussion) 59-60 and Mar 1 p 101-2. Jan 2: Examination of contention that there is ample margin in width of ordinary roadway to cover discrepancy between road alignment and actual track of vehicle; laying out of new roads on transition principles; example of ordinary road curve; process of rectification. Feb 1: Nature of superelevation; example; existing curves; superelevating circular arcs; Limits of transition; curves of large radius.

"Index Scientiae" Of. Bibliog. de la Universidad

ABBETT, R. W. 625.724

1933 — SOLVING VERTICAL CURVES BY GRAPH AND TABLES. Eng News-Rec v 110 n 6 Feb 9 1933 p 186. Construction of diagram and table for computing points on parabolic vertical curves; single multiplication determines any ordinate from tangent grade to curve.

"Index Scientiae" Of. Bibliog. de la Universidad

STABILINI, L. 625.724

1933 — SULLA CONFORMAZIONE DELLA SUPERFICIE STRADALE AGLI ESTREMI DELLE CURVE. Strade v 15 n 1 gen 1933 p 19-22.

"Index Scientiae" Of. Bibliog. de la Universidad

ROYAL-DAWSON, F. G. 625.72

1933 — EXAMPLE OF ROAD IMPROVEMENT. Roads & Road Construction v 11 n 130 Oct 2 1933 p 318-9. Detailed numerical example of method of improving alignment of road using lemniscate transition curve.

"Index Scientiae" Of. Bibliog. de la Universidad

SEYMOUR, K. 625.72

1933 — FEATURES OF CORNER DESIGN. Surveyor v 83 n 2159 June 9 1933 p 593-4. Carriageway widths at junctions; transition curves at corners.

"Index Scientiae" Of. Bibliog. de la Universidad

ARNOLD, J. N. 625.72

1933 — LENGTH OF PAVEMENT REQUIRED FOR CAR TO PASS A TRUCK OF MAXIMUM LENGTH. Eng News-Rec v 111 n 7 and 15 Aug 17 1933 p 191 and Oct 12 (discussion) p 449. Construction of alignment chart for computing length of pavement required to pass truck.

"Index Scientiae" Of. Bibliog. de la Universidad

GRAY, B. E.

625.72

1933 — MAKING HIGHWAY PAY FOR ITS COST. Eng. News-Rec v 110 n 19 May 11 1933 p 590-1 and (discussion) v 111 n 6 and 22 Aug 10 1933 p 177 and Nov 30 p 660-1. Construction of chart for ascertaining justifiable capital outlay per mile and type of improvement indicated for any highway project; stage construction; overbuilt roads.

"Index Scientiae" Of. Bibliog. de la Universidad

DUOGHERTY, N. W.

625.72

1933 — OPERATING ECONOMICS OF HIGHWAY GRADES. Eng News-Rec v 111 n 3 July 20 1933 p 69-70. Analysis based on various theories and experiments indicating that universal grade reduction is not substantiated by operating economics; distances required on different rates of grade to change descending speed from one value to another; distances required on different rates of grade to change speed from 25 to 35, 35 to 45 and 45 to 55 mph, and grades at which speeds will not increase; gasoline consumption on different grades and at various speeds.

"Index Scientiae" Of. Bibliog. de la Universidad

BALATRONI, F.

625.72

1932 — PER LO STUDIO RAZIONALE DELLE STRADE ORDINARIE E DEI LORO TRAFFICI. Politecnico v 80 n 12 Dec 1932 p 693-8.

"Index Scientiae" Of. Bibliog. de la Universidad

SILVA, E.

625.72

1932 — SULLA SEZIONE STRADALE OTTIMA DELLE ARTERIE URBANE A GRANDE TRAFFICO. Strade v 14 n 12 Dec 1932 p 330-44.

"Index Scientiae" Of. Bibliog. de la Universidad

HILL, C. S.

625.72

1933 — TODAY'S PERFECTED MAIN ROAD. Eng News-Rec, v 111 n 24 Dec 14 1933 p 706-14. Review of design practice; line and grade; roadway profile; design of road-side, shoulder and sub-base; intersections and crossings; concrete pavement; brick and bituminous pavements; bridges and culverts; materials; construction practice.

"Index Scientiae" Of. Bibliog. de la Universidad

BIBBINS, J. R.

625.72

1933 — WIDE BOULEVARD-ITS DESIGN AND CONTROL. Eng News-Rec v 110 n 25 June 22 1933 p 808-10. Long-time view on certain phases of economics involved in wide boulevard design; economic city planning, transportation technique and financial limitations; comparative traffic features of proposed Lake Front Drive, Chicago with eight free lanes and Michigan Ave. with four free lanes; rail vs motor.

"Index Scientiae" Of. Bibliog. de la Universidad

CONSTRUCCION DE CAMINOS

HUGHES, A. C.

625.741

1933 — ROAD SURFACE DRESSING DEVELOPMENTS. Surveyor v 84 n 2168 Aug 11 1933 p 127. Various modifications which have been adopted in connection with surface dressing since that process came into use, following introduction of mechanically propelled vehicles; early difficulties; tar viscosities; gritting materials; man vs machine; use of bitumen.

"Index Scientiae" Of. Bibliog. de la Universidad

WAHL, C. G.

625.741

1933 — SETTLING ROAD EMBANKMENT BY UNDERFILL BLASTING. Pub works v 64 n 3 Mar 1933 p 15-6. Experience of Ohio State Highway Department; trench blasting; underfill blasting; relief blasting.

"Index Scientiae" Of. Bibliog. de la Universidad

LIVINGSTON, K. F.

625.741

1932 — SHOOTING MUCK. Highway Engr & Contractor v 41 n 5 Nov 1932 p 9-10 and 45. Methods of fill settlement through use of explosives; method of placing long column of dynamite in soupy mud; loading diagram for Boyd's Lane, Rhode Island, Job.

"Index Scientiae" Of. Bibliog. de la Universidad

HICKMAN, H. C.

625.741

1933 — SIMPLIFIED HIGHWAY CONSTRUCTION PLANS. Civ Eng (NY) v 3 n 11 Nov 1933 p 626. Simplified plans used in construction of section of Gilmer-Murray highway, in Georgia, showing distribution of earthworks.

"Index Scientiae" Of. Bibliog. de la Universidad

TARTARINI, W.

625.741

1933 — SULLA RECENTE TECNICA MECCANICA ADOTTATA NELLE COSTRUZIONI STRADALI. Annali dei Lavori Pubblici v 71 n 5 e 6 Maggio 1933 p 443-56; Junio p 529-59.

"Index Scientiae" Of. Bibliog. de la Universidad

SINTON, J.

625.741

1933 — TRANS-CANADA HIGHWAY. Eng Inst Can-J v 16 n 3 Mar 1933 p 107-11. Construction of Ontario Section as unemployment-relief measure; general policy, organization, construction and methods of securing and distributing labor and supplies; work accomplished covered 300-mi of new construction and about same mileage of reconstruction; standard cross sections and super elevation data for 30-ft roadway.

"Index Scientiae" Of. Bibliog. de la Universidad

- POPE, C. S. 625.741 MULLEN, J. R. 625.741
- 1930 — WESTERN HIGHWAY PRACTICE, WITH SPECIAL REFERENCE TO CALIFORNIA. Am Soc Civ Engrs-Trans v 98 paper n 1836 p 473-89 (discussion) 490-513. Indexed in Engineering Index 1930 p 1516 from Proc Aug 1930 pt I, under heading: Road Construction-California.
"Index Scientiae" Of. Bibliog. de la Universidad
- CAPESE, C. F. 625.741
- 1933 — CONSTRUCTION OF OIL-MIXED SURFACES IN HIGHER ALTITUDES. Roads & Streets v 76 n 7 July 1933 p 274-5. Experience in construction of 14 mi of surfacing in Yellowstone Park at locations ranging in elevation from 7000 to 8600 ft above set level. Before 1933 Highway Conference at Univ Colorado.
"Index Scientiae" Of. Bibliog. de la Universidad
- GODFREY, E. 625.741
- 1933 — EXPLOSIVES FOR SETTLING HIGHWAY FILLS. Can Engr v 64 n 18 May 2 1933 p 11-3; see also-Quarry & Roadmaking v 38 n 441 Aug 1933 p 340-2 and Eng & Contract Rec (formerly Contract Rec) v 48 n 23 June 7 1933 p 563-6. Method of using explosives for displacing unstable materials beneath highway embankments, to permit accelerated settlement of these embankments to hard bottom; trench blasting; underfill method; relief method.
"Index Scientiae" Of. Bibliog. de la Universidad
- LIVINGSTON, F. L. 625.741
- 1933 — HELPING NATURE SETTLE FILLS IN RHODE ISLAND AND OHIO. Contractors & Engrs Monthly v 26 n 6 June 1933 p 27-8. Methods of blasting for construction of highway fills in swampy ground in Rhode Island and Ohio.
"Index Scientiae" Of. Bibliog. de la Universidad
- ALLE, T. W. 625.741
- 1933 — HIGHWAY CONSTRUCTION MANAGEMENT. Am Soc Civ Engrs-Trans v 98 paper n 1830 1933 p 192-206 (discussion) 207-10. Indexed in Engineering Index 1930 p 1517 under heading: Road Construction-Management, from Proc Mar 1930.
"Index Scientiae" Of. Bibliog. de la Universidad
- CHURCH, H. K. 625.741
- 1933 — INFLUENCE OF DEPTHS OF CUTS ON HIGHWAY EXCAVATING COSTS. Contractors & Engrs Monthly v 27 n 2 Aug 1933 p 19-22. Study of 60 road projects; excavating equipment; dipper shovel performance; skimmer shovel performance; handling rock; analyzing depths of cuts; interpretation of analysis; percent of total roadway excavation according to depth of cut.
"Index Scientiae" Of. Bibliog. de la Universidad
- 1933 — MAN POWER AND MACHINE IN HIGHWAY WORK. Roads and Streets v 76 n 7 July 1933 p 268-9; see also Excavating Engr v 27 n 6 June 1933 p 227-9 and 253. Labor production in road work; paving per man hour; introduction of machinery steps up output; lower unit prices and increase of skilled labor; increased employment in machinery manufacturing; mechanical methods decrease cost of work. Before 1933 Wisconsin Road School.
"Index Scientiae" Of. Bibliog. de la Universidad
- PETTERSON, P. G. 625.741
- 1933 — MAN-POWER VERSUS MACHINES IN ROAD BUILDING. West Construction News & Highways Bldr v 8 n 2 Jan 25 1933 p 37-8. Author advocates principal use of machinery in road construction, in places where where substitution of hand labor would unreasonably increase cost, and for operations where hand-labor methods could not produce as good quality of work.
"Index Scientiae" Of. Bibliog. de la Universidad
- GOLDBECK, A. T. 625.741
- 1933 — NATURE AND EFFECT OF SURFACE COATING ON COARSE AGGREGATES. Am Highways v 12 n 3 July 1933 p 9-13. Report to Committee on correlation of research in mineral aggregates; surface coatings found on coarse aggregates; stone dust; clay coatings; organic coatings; alkali salt coatings on coarse aggregate; bituminous oil impregnations and coatings; materials; freezing tests; calcareous incrustations; sugar coating on aggregate; miscellaneous incrustations.
"Index Scientiae" Of. Bibliog. de la Universidad
- WOOLEY, CL. 625.741
- 1933 — NEW METHOD OF BLASTING SWAMP FOR HIGHWAY FILL. Eng News-Rec v 110 n 22 June 1 1933 p 715-7. see also Roads & Streets v 76 n 7 July 1933 p 249-52. Construction of road fill 54 ft wide, 1100 ft long, across salt marsh near Portsmouth; RI; alternate layers of mud and sand are cut through by blasting trench full width before depositing fill; new methods of placing explosives developed; blasting reduced cost.
"Index Scientiae" Of. Bibliog. de la Universidad
- (.....) 625.741
- 1933 — PEAT MARSH FILLED BY DISPLACEMENT WITH WATER JETS. Construction Methods v 15 n 5 May 1933 p 34-5. Experience in filling project across Chandler Marsh, north of Lansing, on U. S. 27; diagram of jetting operation.
"Index Scientiae" Of. Bibliog. de la Universidad

- HUCHES, A. C. 625.741 (.....) 625.741
 1933 — PROBLEMS OF SURFACE DRESSING. Surveyor v 83 n 2145 Mar 3 1933 p 269-71. Early dressings; penetration; use of covering grit; tar specifications; dhesev qualities; proprietary products; safety in use; bitumonus emulsions; covering aggregate; size and grading; effect of moisture.
 "Index Scientiae" Of. Bibliog. de la Universidad
- IMMEL, H. D. 625.741
 1933 — PROMOTING SAFETY IN HIGHWAY CONSTRUCTION. Roads & Streets v 76 n 5 May 1933 p 187-9. Accident-prevention policies of Pennsylvania Department of Highways; department purchases 24,000 pairs safety goggles; device developed in driving posts; safety education; first aid instructors; accident records; use of accident reports; set-up of safety organization.
 "Index Scientiae" Of. Bibliog. de la Universidad
- STREET, L. P. 625.741
 1933 — RECENT TRENDS IN SURFACE TREATMENT. Construction Methods v 15 n 1 Jan 1933 p 24-5. Review of new practices and equipment developed in United States.
 "Index Scientiae" Of. Bibliog. de la Universidad
- CHURCH, H. K. 625.741
 1933 — RIGHT EQUIPMENT FOR JOB. Eng News-Rec v 110 n 18 May 4 1933 p 556-9. Record and analyses of 30 road grading jobs in Pennsylvania, aggregating 1,400,000 yd, providing basis for selecting economical equipment for average and individual grading operation; excavation theory; volume and length percentage; distribution of total excavation according to depth of cut, shown by empirical and theoretical curves.
 "Index Scientiae" Of. Bibliog. de la Universidad
- BARRY, G. S. 625.741
 1933 — ROADMAKING AND ROADMAKING EQUIPMENT. Quarry & Roadmaking (Special No) v 38 n 435 Feb 21 1933 p 83-7. General discussion of modern roadmaking methods; sub-soil drainage; foundation work; formation of crust; footpaths; surface treatment plant. Before Scientific Soc of Roy Tech College.
 "Index Scientiae" Of. Bibliog. de la Universidad
- TRATMAN, E. E. R. 625.741
 1932 — ROADMASTER AND HIS WORK. Scranton, International Textbook Co., 1932. 68 pp., diagrs., charts, tables. \$ 1.00. Practical manual describing roadmaster's duties and methods for performing them. Eng Soc Lib NY.
 "Index Scientiae" Of. Bibliog. de la Universidad
- 1933 — A. R. B. A. STRESSES TECHNIQUE OF ROADBUILDING. Eng News-Rec v 110 n 4 Jan 26 1933 p 113-4. Abstracts of proceedings of 1933 convention of American Road Builders' Association; abstracts of paper on county road administration, fillers for brick roads, asphalt emulsions, low-cost residential streets, etc.
 "Index Scientiae" Of. Bibliog. de la Universidad
- SCHULTZ, W. 625.741
 1933 — BORING AND SOUNDING EQUIPMENT USED IN ACCELERATING SWAMP FILL SUBSIDENCE. Explosives Engr v 11, n 4 Apr 1933 p 109-13. Equipment and methods used in exploration, by Minnesota Highway Department, for subsidence blasting in construction of highway across peat swamp; resistance or penetration hammer; details of jack used for pulling sounding rod used with resistance hammer.
 "Index Scientiae" Of. Bibliog. de la Universidad
- WITHYCOMBE, E. 625.741
 1933 — CALIFORNIA PAVEMENT RECORDS AND CONSTRUCTION PROGRESS. Pub Works v 64 n 9 Sept 1933 p 25-6. Asphalt concrete and bituminous smoothness records; asphalt-concrete pavement construction; automatic proportioners; mixture desingn; oil-surfaced roads; finishing.
 "Index Scientiae" Of. Bibliog. de la Universidad
- HOPKINS, R. 625.741
 1933 — CONSTRUCTION MANAGEMENT. Am Soc Civ Engrs-Trans v 98 paper n 1831 1933 p 211-4 (discussion) 215-7. Indexed in Engineering Index 1930 p 1517 under heading: Road Construction-Management, from Proc Mar 1930.
 "Index Scientiae" Of. Bibliog. de la Universidad
- TRATAMIENTO DE LA SUPERFICIE
- LUER 625.75
 1930 — BERICHT ÜBER DIE OFFENTLICHE TAGUNG DES AUSSCHUSSES "TEERSTRASSEN" DER STUDIENGESELLSCHAFT FÜR AUTOMOBILSTRASSENBAU am 13. und 14. Mai 1930, in München. Berlin, 1930, Verl. d. Studienges. f. Automobilstrassenbau, 103 p.
 "Index Scientiae" Of. Bibliog. de la Universidad
- (.....) 625.75
 1930 — MERBLATT FÜR OBERFLACHENTEE-RUNGEN. Gas- u. Wasserfach, 1930. p. 351-54.
 "Index Scientiae" Of. Bibliog. de la Universidad

MÜLLER	625.75	HAUSMANN	625.75
1930 — TEERSTRASSEN FÜR MITTLEREN UND SCHWEREN VERKEHR. Gas- u. Wasserfach. 1930. p. 279-84. "Index Scientiae" Of. Bibliog. de la Universidad		1929 — TEERSPLITTPFROPFEN ODER TEER-ÜBERZUG. Verkehrst. 1929. p. 95-96. "Index Scientiae" Of. Bibliog. de la Universidad	
KELL	625.75	HENTRICH	625.75
1931 — VERWENDUNG VON BITUMEN EMULSIONEN IM STRASSENBAU. Bit. 1931, p. 62-65. "Index Scientiae" Of. Bibliog. de la Universidad		1927 — QUE NOUS ENSEIGNENT LES PISTES D'ESSAI DE BRAUNSCHEIG SUR LES REVETEMENTS GOUDRONNEUX DES CHAUSSEES. Berlin, Verkehrsteschnik 1927, p. 808-811. "Index Scientiae" Of. Bibliog. de la Universidad	
MAIER	625.75	RICHARDSON	625.75.0025
1931 — AUFBAU VON ASPHALTBELAGEN AUF ALTEN FAHRBAHNEN. Bitumen, 1931, p. 39-44. "Index Scientiae" Of. Bibliog. de la Universidad		1923 — THE BITUMINOUS CINCRETE AND SHEET ASPHALT MIXING PLANT OF THE ADELAIDE CITY CORPORATION. "Commonw. Engr." Oct. I. P. 124-7. "Index Scientiae" Of. Bibliog. de la Universidad	
TEMME	625.75	(.....)	625.75.006
1931 — FAHRSICHERE UND RAUHE STRASSENBEFESTIGUNGEN UNTER VERWENDUNG VON ASPHALT. Bitumen, 1931, No. 3. "Index Scientiae" Of. Bibliog. de la Universidad		1923 — PORTABLE TAR-MACADAM DRYING AND MIXING PLANT. "Engng" Nov. 16. P. 620. 3 F. "Index Scientiae" Of. Bibliog. de la Universidad	
MUELLER	625.75	(.....)	625.75 : 613.4
1931 — DER MODERNE TEERSTRASSENBAU. Gas- u. Wesserrf. 1931, No. 13, p. 281-89. "Index Scientiae" Of. Bibliog. de la Universidad		1927 — INFLUENCE DU GOUDRONNAGE DES ROUTES SUR LA SANTE PUBLIQUE SUR LES VEGETAUX ET SUR LES POISSONS. Paris, La Revue Générale des Routes, 1927. "Index Scientiae" Of. Bibliog. de la Universidad	
KLOSE	625.75	BONWETSCH	625.75 : 625.852
1930 — LE GOUDRON APPLIQUE A FROID. Asphalt u. Teer, 18 juin 1930, p. 667-70. "Index Scientiae" Of. Bibliog. de la Universidad		1931 — OBERFLACHENBEHANDLUNG VON STAMPFASPHAL TSTRASSEN. Verkehrstechn. (Strassenb. u. unterhaltg.) 1931, p. 29-30. "Index Scientiae" Of. Bibliog. de la Universidad	
HEUTRICH	625.75	CONDROP & SPIERS	625.75 : 665.442.9
1929 — RESULTATS DES SERIES D'EXPERIENCES RECENTES EXECUTEES SUR LE GOUDRONNAGE DES ROUTES SUR LA ROUTE D'ESSAI DU BRUNSWICK. Petr. 1929. p. 1389-90. "Index Scientiae" Of. Bibliog. de la Universidad		1929 — INFLUENCE DES CONDITIONS DE DISTILLATION SUR LA CONSISTENCE DES GOUDRONS POUR ROUTES. Gas Jl. 1929, p. 856. "Index Scientiae" Of. Bibliog. de la Universidad	
LENGERKE	625.75	(.....)	625.75 : 668.731
1929 — IMPORTANCE DE LA COUCHE DE COUVERTURE DANS LE GOUDRONNAGE SUPERFICIEL ET DES MODES DE TRAITEMENT ANALOGUES DES ROUTES. Teer u. Bitumen. 1929. p. 552-54. "Index Scientiae" Of. Bibliog. de la Universidad		1928 — BITUMEN-BESTIMMUNG IN GEMISCHEN VON STRASSENTEER UND ERDOL. BITUMEN. Verkehrstechn. 1928, p. 121-22. "Index Scientiae" Of. Bibliog. de la Universidad	
CONE	625.75	KUTHE	625.75 (43)
1930 — COAL TAR WITH SPECIAL REFEREN-CE TO ROAD WORKS. Gas Jl. 1930. p. 826-27. "Index Scientiae" Of. Bibliog. de la Universidad		1929 — TEERSPLITTANLAGEN DER PROVINZIALVERWALTUNG BRANDENBURG. Verkehrs-techn. 1929, p. 607-11. "Index Scientiae" Of. Bibliog. de la Universidad	

- MAHE** 625.75 (663)
 1928 — NOTE SUR L'EMPLOI DES GOUDRONS ET BITUMES POUR LA PROTECTION DES CHAUSSEES DANS LA REGION DE DAKAR (Sénégal). Paris Bull. d. l'Assoc. Intern. Perman. d. Congrès d. 1. Route 1928 p. 112-20.
"Index Scientiae" Of. Bibliog. de la Universidad
- LINDSEY RAY** 625.75 (13)
 1931 — GOUDRONNAGE DE ROUTES DANS L'OKLAHOMA. Roads and Streets, tome LXXI, janvier 1931, p6-8; 7 figures. Méthodes de travail. Equipement mécanique. Prix de revient.
"Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.752
 1924 — TAR MACADAM PLANT WITH SCROLL DRIER AND CUBE MIXER. "Engng." May 60, p. 700-3 F.
"Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.752—85.0025
 1923 — 100 TON TAR MACADAM DRYING AND MIXING PLANT. "Engng." March 23. p. 364. 1 F.
"Index Scientiae" Of. Bibliog. de la Universidad
- LADRILLOS, PAVIMENTOS**
 (.....) 625.821.2
 1933 — BASES, BEDDING AND FILLERS FOR BRICK PAVEMENTS. Am City v 48 n 12 Dec 1933 p 50-3. Abstract of report of Committee on Brick Pavements of American Road Builder's Association; bases; bedding courses; rolling; fillers; relaying used brick; maintenance.
"Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.821.2
 1933 — BRICK PAVEMENT ON SAND-CLAY BASE. Roads & Streets v 76 n 6 June 1933 p 217. Construction of brick surface on specially proportioned mixture of sand and clay as base in 5-mi road job in Dougherty County, Ga.
"Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.821.2
 1933 — BRICK RESURFACED WITH CONCRETE ON IOWA PAVING PROJECT. Construction Methods v 15 n 5 May 1933 p 22-3. Experience with concrete resurfacing of 9600 ft of old pavement on U. S. 55, north of Dubuque.
"Index Scientiae" Of. Bibliog. de la Universidad
- HIELSCHER, A.** 625.821.2
 1933 — DIE KLINKERSTRASSE. Tonindustrie-Ztg v 57 n 19 and 22 März 6 1933 p 219-21 and März 16 p 264-5 (discussion) 265-6. Vitriified brock roads; properties of vitrified brick; method of building brick roads; strength, durability and utility.
"Index Scientiae" Of. Bibliog. de la Universidad
- MERELL, O. W.** 625.821.2
 1933 — METHOD OF REMOVING SURPLUS FILLER IN BRICK PAVEMENT CONSTRUCTION. Roads & Streets v 76 n 8 Aug 1933 p 299-300. Removal is accomplished by coating brick just prior to application of filler with whitewash, calcium chloride in solution or patented mixture whose trade name is B & B. Before Nat Pving Brick Assn.
"Index Scientiae" Of. Bibliog. de la Universidad
- WYSS, H. H.** 625.821.2
 1933 — OHIO TESTS BRICK PAVEMENT CONSTRUCTION METHODS. Pub works v 64 n 1 Jan 1933 p 13. Practice of Ohio Department of Highways in construction of 3.063 mi of pavement on State Highway No. 75 in Carroll County, divided into 12 sections, each differing from all others in some respects; features of fillers and cushions used.
"Index Scientiae" Of. Bibliog. de la Universidad
- PHILLIPS, R. L.** 625.821.2
 1933 — RECENT DEVELOPMENTS IN BRICK PAVING FOR MUNICIPALITIES. Am City v 48 n 1 Jan 1933 p 55-7. Building of pavements for subgrade; use of concrete base and cushions; improvement in paving brick; asphalt billers and their use; curb and gutter construction; resurfacing or relaying brick pavements. Before Nat Paving Brick Assn.
"Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.821.2
 1932 — RECENT PRACTICAL DEVELOPMENTS IN DESIGN AND CONSTRUCTION OF BRICK PAVEMENTS. Am Road Bldrs Assn — Convention Proc Jan 11-15 1932 Bul n 34 p 3-17. Report of Committee of American Road Builders Association; base courses of foundations; bedding course (cushion); brick course; filler, standard filler specifications; application; relaying, replacement, resurfacing, etc.
"Index Scientiae" Of. Bibliog. de la Universidad
- CRANDELL, J. S.** 625.821.2
 1933 — RESEARCH ON FILLERS FOR BRICK PAVEMENTS. Roads & Streets v 87 n 4 Apr 1933 p 158-60. Laboratory study of mastic cushion courses; penetration depth; stabilizing filler; rubber admixture; emulsions as fillers; surface film.
"Index Scientiae" Of. Bibliog. de la Universidad

- O'BRIEN, M. P. 625.821.2 (.....) 625.84
- 1933 — RESURFACING BRICK WITH BRICK — AN ECONOMICAL PRACTICE. *Am City* v 48 n 3 Mar 1933 p 47-8. Practice of Springfield, Ill. Before Nat Paving Brick Assn. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- SCHLESINGER, G. F. 625.821.2 (.....) 625.84
- 1933 — TREND IN RESURFACING IN PAVEMENTS WITH BRICK. *Roads & Streets* v 76 n 1 Jan 1933 p 1-4. Reasons why wearing courses increase service value of old concrete slabs; construction methods; gutter construction; relaying brick on concrete bases; base preparation. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- (.....) 625.821.2
- 1933 — WARUM UND WIE PRUEFT MAN STRASSENKLINKER? *Tonindustrie-Ztg* v 57 n 19 Marz 6 1933 p 223-4. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- HORMIGON 625.84 (.....)
- 1933 — BOSTON WORCESTER TURNPIKE PAVED BY TRUCK MIXERS. *Eng News-Rec* v 110 n 4 Jan 26 1933 p 104-7; see also *Construction Methods* v 15 n 1 Jan 1933 p 20-3 and *Pub Works* v 64 n 1 Jan 1933 p 24-6. Outline of practice developed in constructing new four- and six-lane road from Boston to Worcester, Mass; features of equipment used and exceptional speed processes developed. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- PAUL, I. 625.84 (.....) 625.84
- 1933 — CONCRETE PAVEMENT FAILURES DUE TO HIGH-LIME CEMENT. *Eng News-Rec* v 110 n 7 Feb 16 1933 p 212-3 and v 111 n 4 July 27 1933 (discussion) p 112-3. Records of pavement failures on New York roads checked against cement composition show definitely greater durability with decrease in tricalcium silicate component. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- (.....) 625.84
- 1932 — CONCRETE PAVEMENTS. *Am Road Bldrs Assn — Convention Proc* Jan 11-15 1932 Bul n 28 p 3-63. Report of committee of American Road Builders' Association; recent practical developments in design and construction of concrete highway; jointing of concrete roads; equipment for spreading and finishing concrete pavements; bins, batchers; handling and weighing bulk cement; central and truck-mixed concrete. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- 1933 — CONCRETE ROADS. *Engineer* v 155 n 4024 Feb 24 1933 p 202-3. McLea system of construction in which top layer of concrete is placed in pockets of steel meshwork; steelwork is formed from mild steel strip bent into short zigzag lengths and held loosely in position by steel rods passed through holes pierced in angles. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- (.....) 625.84
- 1933 — PAVING THROUGH BLOW SAND. *Contractors & Engrs Montly* v 27 n 4 Oct 1933 p 11-3. Construction of concrete road 3.88 m long, 20 ft wide in dune country along lake Michigan, near Ludington, Mich; successful use of gasoline locomotives and industrial railway equipment; pouring and curing of concrete slabs. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- (.....) 625.84
- 1932 — PUEFVERFAHREN BEIM BETONSTRASSENBAU. *Tonindustrie-Ztg* v 57 n 19 Marz 6 1933 p 221-3. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- (.....) 625.84
- BRADBURY, R. D. 625.84 (.....) 625.84
- 1933 — PURPOSE OF REINFORCING STEEL IN CEMENT CONCRETE PAVEMENTS. *Can Engr* v 65 n 4 July 25 1933 p 5-9. Causes of stresses in concrete pavements; reinforcement attains satisfactory crack control rather than actual crack prevention; designing slab thickness. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- (.....) 625.84
- 1932 — RECENT PRACTICAL DEVELOPMENTS IN DESIGN AND CONSTRUCTION OF REINFORCED CONCRETE PAVEMENT AND BASES. *Am Road Bldrs Assn-Convention Proc* Jan 11-15 1932 Bul n 25 p 3-47. Report of committee of American Road Builders' Association; specific consideration of reinforced-concrete pavements as distinguished from plain concrete pavement; compilation and analysis of data pertaining to essential structural requirements of design as indicated by current practice. "*Index Scientiae*" *Of. Bibliog. de la Universidad*
- BURCH, J. S. 625.84 (.....) 625.84
- 1933 — REINFORCEMENT IN CONCRETE BASES. *Quarry & Roadmaking* v 37 n 432 Dec 1932 p 530-1 and v 38 n 434 Jan 1933 p 60-1. Before *Am Soc Mun Engrs*, indexed in *Engineering Index* 1932 p 1129 from various sources. "*Index Scientiae*" *Of. Bibliog. de la Universidad*

- BRADBURY, R. D. 625.84
- 1932 — REINFORCING STEEL IN CONCRETE PAVEMENTS. Highway Engr & Contractor v 41 n 5 Nov 1932 p 25-9. Indexed in Engineering Index 1932 p 1129 from Roads & Streets July 1932.
 "Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.84
- 1933 — REMOVING CORK FROM BOTTLENECK. Roads & Streets v 76 n 8 Aug 1933 p 285-9. Description of modern methods of concrete road construction used in widening 3-mi section of Roosevelt Road, 30 mi west of Chicago.
 "Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.84
- 1933 — SHOVEL PLACES CONCRETE FOR DELAWARE ROAD. Eng News-Rec v 111 n 7 Aug 17 1933 p 202-3. Method of construction of 3-lane concrete highway from Dover to Wilmington, Del; commercial ready-mixed concrete discharged by agitator trucks into bottom dump bucket substituted for dipper on power shovel.
 "Index Scientiae" Of. Bibliog. de la Universidad
- BENKELMAN, A. C. 625.84
- 1933 — TESTS OF AGGREGATE INTERLOCK AT JOINTS AND CRACKS. Eng News-Rec v 111 n 8, 16 and 21 Aug 24 1933 p 227-32 and (discussions) Oct 19 p 479 and Nov 23 p 615-6. Michigan concrete pavements under load tests indicate general effectiveness of aggregate interlock in transferring shear and value of reinforcement in increasing bond of cracks and joints.
 "Index Scientiae" Of. Bibliog. de la Universidad
- BRANNON, L. 625.84
- 1933 — WINTER PAVING PROVIDED WORK IN OHIO VILLAGE. Eng News-Rec v 110 n 15 Apr 13 1933 p 472-3. Winter paving of 1 3/4-mi of main street in Wyoming, Ohio, started three supplementary operations, with payrolls in addition to its own; simple precautions and high-strength concrete can whip frost hazard; test for future use.
 "Index Scientiae" Of. Bibliog. de la Universidad
- DRUMMOND, H. D. and 625.84
 PLATTS, H. C.
- 1933 — CONCRETE ROADS: Method For Even Surface Finish with Continuous Construction. Surveyor v 83 n 2137 Jan 6 1933 p 3-4. Discussion of continuous method and construction by alternate bays; disadvantages of alternate bay construction; cross screeding; consolidation of concrete.
 "Index Scientiae" Of. Bibliog. de la Universidad
- PETRY, W. 625.84
- 1933 — DER BETONSTRASSENBAU (Sammlung Goeschen 976). Berlin und Leipzig. Walter de Gruyter & Co., 1933. 124 pp., illus., tables. 1.62 rm.
 "Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.84
- 1932 — DESIGN AND CONSTRUCTION. Am Road Bldrs Assn — Convention Proc Jan 11-15 1932 Bul n 33 p 3-16. Report of Committee of American Road Builders' Association; design formula; protection to bases offered by pavement surfaces; durability of concrete; expansion joints; center longitudinal joint; tests.
 "Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.84
- 1933 — DEVICE FOR FORCING DISPLACED SLABS INTO POSITION. Roads & Streets v 76 n 11 Nov 1933 p 394. Pavement jacking assembly for restoring to position concrete slabs, weighing 50 tons, displaced by earthquake of Mar 10, 1933, in Orange County, Calif.
 "Index Scientiae" Of. Bibliog. de la Universidad
 (.....) 625.84
- 1933 — DONCASTER-GRIMSBY TRUNK ROAD. Quarry & Roadmaking v 38 n 433 Jan 1933 p 7-13. New section of highway 3.15 mi in length; reinforcement and joints; surface finish; camber curbing; surface water and drainage; footpath; cost £ 54,000.
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