

March 21st, 1921.

Minutes of the Forty-Sixth and First Adjourned Regular Monthly Meeting of the State Highway Commission, held in the State Office Building, with the following members present:

R. M. Hubbard, Chairman,
W. W. McCrory, Commissioner of Registration,
D. K. Martin, Commissioner of Construction,
Rollen J. Windrow, State Highway Engineer.

The following business was transacted:

Motion by Mr. Martin, seconded by Mr. McCrory that Delta county be granted \$41,900.38 State aid on State Highway No. 19 from Cooper to the Lamar county line, same being Federal aid project No. 146. Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that Delta county be granted \$27,230.39 State aid on State Highway No. 39 from Cooper to the Hunt county line, same being Federal aid project No. 167. Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that the Federal aid granted to Jeff Davis county on State Highway No. 1 be increased to \$12,011.50. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that the State aid granted to Jeff Davis county on State Highway No. 1 be increased to \$6,005.75. Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that Polk county be granted \$200,000 State aid on State Highway No. 35, county line to county line, including the bridge across the Trinity River. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that the following minutes of the meeting of the Commissioners' Court of Nueces county under date of March 4th, 1921 be made of record in the minutes of the State Highway Commission:

"Coming on to be considered the matter of the \$100,000 bond issue in Road District No. 1, and upon motion duly made, seconded and carried it was ordered that Nueces county at large assume this indebtedness.

Upon motion duly made, seconded and carried the following resolutions were unanimously passed: 'Be it resolved that the Commissioners' Court of Nueces county hereby appropriates out of available funds in Precinct No. 1 \$27,045.85 for the construction of the portion of State Highway No. 12 that passes through that Precinct, of the following type: 8 inches loose gravel, 18 feet in width, approximately 45 yards for station, with a 1-1/2 inch bituminous top, 17 feet in width, provided the cost of this type of construction does not exceed the amount of money herein appropriated.'

Be it resolved that the Commissioners' Court of Nueces county hereby appropriates out of available funds in Precinct No. 4, \$219,768.00 for the construction of State Highway No. 12 that passes through that precinct of the following type: 'Concrete culverts and bridges, 8 inches loose gravel, 18 feet in width, approximately 45 yards

per station, with 1-1/2 inch bituminous top, 17 feet in width, provided the cost of this type of construction does not exceed the amount of money herein appropriated.'

Be it resolved that all funds available to Precinct No. 3, either by bond issue or from other sources approximating \$500,000 for the purpose of constructing roads shall be applied to the construction of Highway No. 12 through said precinct.

Moved, seconded and carried that the difference between the costs of the Nueces county causeway and the sum of \$400,000 approximated by the Highway Engineer to be the sum of \$100,000, be appropriated to the building of Highway No. 12 in Commissioners' Precinct No. 3.

Moved, seconded and carried that Precinct No. 1 and 4 will construct Highway No. 12 in said precincts of same or better type of construction approved for Highway No. 12, in Commissioners' Precinct No. 3."

Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that the \$50,000 Federal aid withdrawn in Collin county on November 24th be reinstated. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that Collin county be granted \$60,000 additional Federal aid, making a total of \$160,000, to be apportioned as follows on State Highway No. 5-A; \$20,000 in the Wylie district; \$35,000 in the Lavon district; \$5,000 in the Copeville district; \$20,000 in the Farmersville district; \$80,000 in the Blue Ridge district; conditioned that the county set aside \$35,000 to pay 50 per cent of the cost of constructing State Highway No. 1. Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that Collin county be granted \$60,394.61 State aid on State Highway No. 6, Federal aid project No. 98, to be apportioned as follows: \$26,051.31 on Section A, from a point 4 miles north of McKinney to the Grayson county line; \$12,000.75 on Section B in the Allen district; \$16,357.67 to Section C in the Plano district and \$5,985.88 to be applied to the construction of the bridge over Cottonwood Creek in the Allen district; conditioned that the county set aside \$35,000 to pay 50 per cent of the cost of constructing State Highway No. 1. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that Collin county be granted \$35,000 Federal aid on State Highway No. 1, not to exceed 50 per cent of the cost of construction. Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that Culberson county be granted \$2,157.29 State aid on Wild Horse Creek Bridge on State Highway No. 1, 6 miles East of Van Horn. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that Bell county be granted \$34,077.94 State aid on State Highway No. 2. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that Bell county be granted \$23,173.54 Federal aid on State Highway No. 2. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that Nacogdoches county be granted \$50,000 State aid on bridges on State Highways. Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that Houston county be granted \$30,000 Federal aid on State Highway No. 21, beginning at a point 7-1/4 miles West of Crockett; thence to the Trinity river. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that the following State Highways or portions of State Highways be designated as "The Major State Highway System:"

State Highway No. 1, beginning at Texarkana; thence to Maude; thence to Naples; thence to Mount Pleasant; thence to Mount Vernon; thence to Sulphur Springs; Beginning again at Greenville; thence to Rockwall; thence to Dallas; thence to Fort Worth; thence to Weatherford; thence to Mineral Wells; thence to Palo Pinto; thence over the southern route to Strawn; thence to Ranger; thence to Eastland; thence to Cisco; thence to Putman; thence to Baird; thence to Abilene; thence to Sweetwater; thence to Rosco; thence to Colorado in Mitchell county; thence to Big Springs; thence to Stanton in Martin county; thence to Midland; thence to Odessa; thence to Metz; thence to Monahans; thence to Barstow; thence to Pecos; thence to Toyah; thence to Van Horn; thence to Sierra Blanca; thence to Fabens; thence to Ysleta; thence to El Paso; thence to New Mexico State line. //

State Highway No. 2, beginning at Burkburnett; thence to Wichita Falls; thence to Henrietta; thence to Bowie; thence to Decatur; thence to Fort Worth; thence to Burleson. The Gulf to Colorado branch beginning at Waco; thence to Marlin; thence to Bremond. Beginning again at Bryan; thence to College Station; thence to Navasota; thence to Hempstead; thence to Hockley; thence to Houston; thence to Galveston; The Meridian Branch beginning at Waco; thence to McGregor; thence to Eddy; thence to Temple. Beginning again a few miles north of Austin at the intersection of No. 2-C; thence to Austin; thence to Kyle; thence to San Marcos; thence to New Braunfels; thence to San Antonio; thence to Pearsall; thence to Cotulla; thence to Encinal; thence to Laredo.

State Highway No. 2-A, beginning at Burleson; thence to Alvarado; thence to Itasca; thence to Hillsboro; thence to Waco.

State Highway No. 2-C, beginning at Temple; thence to Belton; thence to Salado; thence to Georgetown; thence to Roundrock; thence to an intersection with No. 2 north of Austin.

State Highway No. 3, beginning at a point east of Orange on the Sabine River; thence to Orange; thence to Beaumont; thence to Nome; thence to Devers; thence to Liberty; thence to Crosby; thence to Houston; thence to Sugar Land; thence to Richmond; thence to East Bernard; thence; thence to Eagle Lake; thence to Columbus; thence to Weimar; thence to Flatonia; thence to Waelder. Beginning again at Gonzales; thence to Seguin; thence to Shultz; thence to San Antonio; thence to Castro; thence to Hondo; thence to Sabinal; thence to Uvalde; thence to Brackettsville; thence to Del Rio.

State Highway No. 4, beginning at Del Rio; thence to the intersection of the Rock Springs branch of No. 4; thence to Sonora; thence to Eldorado; thence to San Angelo; thence to Robert Lee; thence to Bronte; thence to Sweetwater; thence to Roby; thence to Rotan; thence to Aspermont; thence to Guthrie; thence to Paducah; thence to Childress; thence to Wellington; thence to Aberdeen; thence to Shamrock; thence to Wheelr; thence to Mobetie; thence to Canadian; thence to Ochiltree; thence to State line.

State Highway No. 5, beginning at Texarkana; thence to New Boston; thence to DeKalb; thence to Avery; thence to Clarksville; thence to Detroit; thence to Paris; thence to Brookston; thence to Bonham; thence to Sherman; thence to Gainesville; thence to Ringgold; thence to

Henrietta; thence over State Highway No. 2 to Wichita Falls; thence to Electra; thence to Vernon; thence to Chillicothe; thence to Quanah; thence to Childress; thence to Memphis; thence to Clarendon; thence to Goodnight; thence to Claude; thence to Amarillo; thence to Channing; thence to Hartley; thence to Dalhart; thence to Texline.

State Highway No. 6, beginning at Denison; thence to Sherman; thence to Melissa; thence to McKinney; thence to Dallas; thence to Waxahachie; thence to Hillsboro; thence over State Highway No. 2 to Waco.

State Highway No. 7, beginning on the Sabine River directly east of Newton; thence to Newton; thence to Jasper. Beginning again at intersection of No. 40 near Cushing in Nacogdoches county; thence to Rusk; thence to Palestine; thence to Fairfield; thence to Coolidge; thence to Mexia; thence to Waco; thence to McGregor; thence to Gatesville; thence to Evant; thence to Goldthwaite; thence to Brownwood; thence to Coleman; thence to Goldsboro; thence to Tuscola; thence to Sweetwater; thence over State Highway No. 1 to Rosco; thence to Snyder; thence to Post; thence to Lubbock; thence to Littlefield; thence to Muleshoe; thence to Farwell.

State Highway No. 7-A, beginning at Coleman; thence to Ballinger; thence to San Angelo.

State Highway No. 8, beginning on Red River north of Boston; thence to Boston; thence to Maud; thence to Douglasville; thence to Linden; thence to Jefferson; thence to Marshall; thence to Carthage; thence to Center; thence to Shelbyville; thence to San Augustine; thence to Macune; thence to Brooklyn; thence to Jasper; thence to Erin; thence to Kirbyville; thence to Mauriceville; thence over No. 3 to Beaumont; thence to Port Arthur.

State Highway No. 9, beginning at Corpus Christi; thence to Gregory; thence to Sinton; thence to Beeville; thence to Kenedy; thence to Floresville; thence to Karnes City; thence to San Antonio; thence to Leon Springs; thence to Boerne; thence to Waring; thence to Fredericksburg; thence to Mason; thence to Brady. Beginning again at San Angelo; thence to Sterling City; thence to Big Springs; thence to Lamesa; thence to Tahoka; thence to Lubbock; thence to Plainview; thence to Tulia; thence to Canyon; thence to Amarillo.

State Highway No. 9-A, beginning at Brady; thence to Eden; thence to San Angelo.

State Highway No. 10, beginning at Fort Worth; thence to Granbury; thence to Stephenville; thence to Dublin; thence to Comanche; thence to Brownwood; thence to Mercury; thence to Brady. Beginning again at Sonora; thence to Fort Stockton; thence to Balmorehea; thence to intersection of No. 1. That portion of the Fort Davis branch beginning at Valentine; thence to Lobo; thence to intersection at Van Horn.

State Highway No. 11, beginning on Red River north of Denison; thence over No. 6 to Sherman. Beginning again at Greenville; thence to Sulphur Springs; thence over State Highway No. 1 to Mount Vernon and Mount Pleasant. Beginning again at Longview; thence to Hallsville; thence to Marshall; thence to the Louisiana State line directly east of Marshall.

State Highway No. 12, beginning at a point on the Sabine river on State Highway No. 3; thence to Orange; Beaumont, Liberty, Houston, Richmond and East Bernard over No. 3; thence to Wharton;

thence to El Campo; thence to Edna; thence to Victoria. Beginning again at Corpus Christi; thence to Robstown; thence to Bishop; thence to Kingsville; thence to Riveria; thence to Falfurrias; thence to Edinburg; thence to McAllen; thence to Mission; thence to Rio Grande; thence to Zapata; thence to Laredo; thence to Eagle Pass; thence to Del Rio; thence to Comstock; thence to Pumpville; thence to Sanderson; thence to Marathon; thence to Alpine; thence to Marfa; thence to Valentine to the intersection of State Highway No. 10. Beginning again at McAllen; thence to Harlingen; thence to San Benito; thence to Brownsville;

That portion of No. 12-B beginning at Victoria; thence to Goliad; thence to Beeville.

State Highway No. 13, beginning at Amarillo; thence to Vega; thence to Glen Rio.

State Highway No. 14, beginning at Dallas; thence to Ennis; thence to Corsiana; thence to Mexia; thence to Groesbeck; thence to Bremond; thence to Franklin; thence to Bryant; thence to an intersection with State Highway No. 2; thence over No. 2 to Galveston.

State Highway No. 15, beginning at Dallas; thence to Terrell; thence to Wills Point; thence to Grand Saline; thence to Mineola; thence to Longview.

State Highway No. 19, beginning at Athens; thence to Palestine; thence to Crockett; thence to Huntsville; thence to Conroe; thence to Houston.

State Highway No. 20-A, beginning at Fredericksburg; thence to Johnson city; thence to Dripping Springs; thence to Austin. Beginning at intersection of No. 2 a few miles north of Austin; thence to Manor; thence to Elgin; thence to Giddings; thence to Brenham; thence to Hempstead; thence over No. 2 to Houston.

State Highway No. 22, beginning at Nacogdoches; thence to Center; thence to the Sabine River northwest of Center.

State Highway No. 23, beginning at Cross Plains; thence to Coleman.

State Highway No. 23-A, beginning at Cisco; thence to Cross Plains.

State Highway No. 27, beginning at Sonora; thence to Junction; thence to Mountain Home; thence to Kerrville.

State Highway No. 29, beginning at Austin; thence to Lockhart; thence to Luling; thence to Gonzales; thence to Cuero; thence to Victoria; thence to Port Lavaca.

State Highway No. 30, beginning at Wichita Falls; thence to Holiday; thence to Seymour; thence to Haskell; thence to Stamford; thence to Anson; thence to Abilene; thence to Tuscola; thence to Ballinger.

State Highway No. 35, beginning at Nacogdoches; thence to Lufkin; thence to Corrigan; thence to Livingston; thence to Cold Springs; thence to Cleveland; thence to Houston; thence over No. 2 to Galveston.

State Highway No. 36, beginning at Goldthwaite; thence to Lometa; thence to Lampasas.

State Highway No. 36-B, beginning at Lampasas; thence to Georgetown.

State Highway No. 40, beginning at Gainesville; thence to Valley View; thence to Sanger; thence to Denton; thence to Louisville; thence to Carrollton; thence to Dallas; thence to Kaufman; thence to Athens; thence to Jacksonville; thence to Nacogdoches. A branch of No. 40 from Denton to Fort Worth.

State Highway No. 41, beginning at intersection of No. 9 between Waring and Boerne; thence to Comfort; thence to Kerrville.

State Highway No. 45, beginning at a point on the Sabine River directly east of Newton; thence to Newton; thence to Jasper over No. 7; thence to Woodville; thence to Livingston; thence to Huntsville; thence to Bryan.

Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin, that the following resolution be adopted:

"Whereas, a meeting of the Executive Committee of the American Association of State Highway Officials has been called to meet in Washington, D. C., April 11th, 1921, to consider ways and means for securing additional Federal aid for the construction of State Highways at the present session of Congress; and,

Whereas, Rollen J. Windrow, State Highway Engineer, is a member of said Executive Committee; and,

Whereas, it is very necessary that he be present to represent this State in matters coming before the Committee for consideration; therefore,

Be it resolved, that he be directed to proceed to Washington to attend this conference in the interest of the State of Texas."

Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that the following surplus war equipment allotted to the State Highway Department of Texas by the Federal Government be declared unserviceable and the same advertised for sale to the highest bidder, bids to be received at the office of the State Highway Department, State Office Building, Austin, up to twelve o'clock noon, April 16th, 1921, to be opened at the regular monthly meeting of the State Highway Commission April 18th, 1921:

4 24" gauge steam locomotives; 4 electric motors; 950 pieces elephant shelter; 12000 fence posts; 5 boxes hoisting engine parts; 300 folding lanterns; 1 orange peel bucket; 1 pump centrifugal with electric motor; 3 pumps, mine sinking; 2755 pieces #25 rail; 121 Switch stands; 36 frogs; 71 switch points; 69 guard rails; 7400 splice bars; 2 derailleurs; 1 box track repair tools; 7 flat cars 36" gauge 30' long; 32 flat cars, 36" gauge, 8' long; 16 engines "Chandler-Taylor"; 2 tenders for 36" gauge steam locomotives; 2 locomotive cabs; 16 36" gauge trucks; 48 trucks, plain; 12 trucks operating; 36 car frames; 36 boxes parts; 36 boxes doors; 4 gondolas complete; 36 boxes car ends; 1 93 H. P. gas engine; 1 Bucyrus mobile derrick; 4 trailer tops; 3 15 ton trailers; 600 escort wagons and parts; 11 water carts; 15000 barbed wire; Maxwell spare parts; Reo spare parts; Gramm-Bernstein spare parts; Chandler spare parts; Dort spare parts; Grant spare parts; Oakland spare parts; Commerce spare parts; Velie spare parts; Studebaker spare parts; White spare parts Cleveland motor-cycle spare parts; 4 32x3 solid tires P.O.; 28 32x3-1/2 solid P.O. tires; 13 32x3-1/3 solid P.O. tires; 46 32x4 solid P.O. tires; 5 36x6 solid P.O. tires; 3 36x7 solid P.O. tires; 11 34x4 solid P.O. tires; 30 36x6 solid P.O. tires; 80 34x3-1/2 Dem. tires; 29 34x4 solid Dem. tires; 13 34x6 solid Dem. tires; 197 36x3-1/2 solid Dem

tires; 124 36x4 solid Dem. tires; 162 36x5 solid Dem. tires; 229 36x6 solid Dem. tires; 85 36x7 solid Dem. tires; 2 38x4 solid Dem. tires; 6 36x10 solid Dem. tires; 2 35x3-1/2 solid Dem. tires; 5 37x3-1/2 solid Dem. tires; 21 37x4 solid Dem. tires; 6 37x5 solid Dem. tires; 36 37x7 solid Dem. tires; 12 37x10 solid Dem. tires; 2 39x5 solid Dem. tires; 10 41x4 solid Dem. tires; 1 41x5 solid Dem. tires; 4 36x7 solid Dem. tires; 32 Nash Quad frames; 3 concrete mixers; 1 Cleveland motorcycle; 2 24" guage gas locomotives; 2 36" guage steam locomotives; 3 15 ton Holt tractors; 99 casings; 56 tubes; 1 Ford roadster body; trucks as follows: Packard V-5045, 5109, 5145, 5155, 5154, 5169, 5172, 5175, 5038; Maxwell V-5313, 5315; Republic V-5336; Garford V-5351; Pierce-Arrow V-5404, 5408, 5410, 5411.; Light Aviation V-5725; International V-5098; Nash V-6218, 6313, 6329, 6339, 6359, 6369; Heavy Aviation V-7176, 7177; United Motor V-7178; Peerless V-7345, 7388; Gramm-Bernstein V-7608, 7611; Packard V-7955, 7956, 7959; 18 solid tires; 2 steel bodies; 64 casings; 175 tubes; 259 casings; 26,485 lbs. iron; 117 lbs. aluminum; 1 cab top; 11 radiators; 18315 lbs. truck tires; 11 wooden barrels; 6 Reo touring cars; 1 King 8 touring car; 1 Grant touring cars; 2 Hudson touring cars; 1 C halmers touring car; 2 Oakland touring cars; 2 Oakland roadsters; 32 spools barbed wire.

Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that the following resolution be passed:

"Whereas, it appears that State Highway No. 4 in Fisher county is one of the most important highways in the Major System; and,

Whereas, in the judgment of the State Highway Commission the assessed valuations of operty in said county do not permit the raising of the necessary funds to assure the proper completion of the construction of said State Highway No. 4 in Fisher county; and,

Whereas, additional construction work is necessary on this highway to protect the partially constructed portions; and,

Whereas, under the above named circumstances the State Highway Commission is authorized by the State Highway Laws to construct such part of State Highways from any moneys in the State Highway fund available for such purposes; therefore,

Be it resolved that Fisher county be granted \$3,416 State aid on State Highway No. 4, Federal aid project No. 65, not to exceed 50 per cent of the cost of construction."

Motion carried.

Motion by Mr. McCrory, seconded by Mr. Martin that Fisher county be granted \$11,000 State aid on State Highway No. 4, Federal aid project No. 96. Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that the following resolution be adopted:

"Whereas, it appears that State Highway No. 7 in Lamb county is one of the most important highways in the Major System; and,

Whereas, in the judgment of the State Highway Commission the assessed valuations of property in said county do not permit the raising of the necessary funds to assure the proper completion of the construction of said State Highway No. 7 in Lamb county; and,

Whereas, additional construction work is necessary on this highway to protect the partially constructed portions; and,

Whereas, under the above named circumstances the State Highway Commission is authorized by the State Highway Laws to construct such part of State Highways from any moneys in the State Highway fund available for such purposes; therefore,

Be it resolved that Lamb county be granted \$10,000 additional State aid on State Highway No. 7, making a total of \$22,187.57."

Motion carried.

Motion by Mr. Martin, seconded by Mr. McCrory that Red River county be granted \$10,000 State and \$20,000 Federal aid on State Highway No. 5, to begin at a point north of Annona on the Mill Creek Road, or the Clarksville and English road, thence to Annona, thence to the Avery district line; conditioned that Highway No. 5 be constructed from the Bowie county line through Avery and Annona to the north boundary line of the Annona district. Motion carried.

Russell
Chairman

Attest:

State Highway Engineer.