

May 19, 1924.

Minutes of the Eightieth and First Adjourned Regular Meeting of the State Highway Commission held in the State Office Building with the following members present:

- R. M. Hubbard, Chairman
- D. K. Martin, Commissioner
- Geo. D. Armistead, Commissioner
- Gibb Gilchrist, State Highway Engineer.

The following business was transacted:

Motion by Mr. Martin, seconded by Mr. Armistead, that Anderson County be granted \$189,652.08 Federal Aid and \$63,217.36 State Aid to Highway No. 43, beginning at Palestine and extending east 10 miles, conditioned upon the construction of a concrete pavement, or of an equal type of surfacing. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that \$18,000 of the maintenance fund for Division No. 15 be used for re-treating 6 miles of Highway No. 9 in Bexar County, the Fredericksburg Road, conditioned upon Bexar County providing \$ 2,000 of its funds for this work. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that the application of Brazoria County for \$10,000 State Aid for re-surfacing 4.5 miles of Highway No. 19, between Oyster Creek and Freeport, be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that Dallas County be granted \$7,500 additional State Aid to S.A.P. 349, Highway No. 15, making a total of \$30,000 State Aid allotted to this project, and conditioned upon Dallas County providing sufficient funds to construct an 18' concrete pavement the entire distance of the project. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Falls County be granted \$5,500 additional State Aid to S.A.P. 410-C, not to exceed 50% of the cost of constructing 3400' of 16' concrete pavement through the town of Rosebud. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that Freestone County be granted \$125,424.09 Federal Aid and \$41,808.03 State Aid on Highway No. 7 , beginning at a point 3 miles east of Teague and extending to Fairfield, a distance of 6.85 miles - conditioned upon the construction of an 18' concrete pavement. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Galveston County's application for \$21,000 State Aid on Highway No. 6, between the city limits of Galveston and Texas City, be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of Galveston County for \$7,500 State Aid on 2.3 miles of Highway No. 6 be not granted. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that the application of Gonzales County for \$46,300 Federal Aid for the construction of the grading and bridges on 19 miles of State Highway No. 81, between Nixon and Westhoff, be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of Hardin County for \$ 50,000 additional State Aid on State Highways No. 8 and No. 40, F.A.P. 354 and 355, be not granted. Motion carried.

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Motion by Mr. Martin, seconded by Mr. Armistead, that the application of Harris County for \$136,000 Federal Aid on Highway No. 6, be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the \$34,000 Federal Aid and \$16,000 State Aid allotted on April 21, 1924 to Houston County, for State Highway No. 21 west of Crockett, be applied for the construction of a 16' macadam base with 1" bituminous topping - conditioned upon this type of construction meeting with the approval of the State Highway Department. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Maverick County be granted \$65,851.50 State Aid, not to exceed 50% of the cost of construction of grading and drainage structures on State Highway No. 85, from Eagle Pass to the Dimmitt County line. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that \$3,250.00 of the maintenance funds for Division No. 14 be apportioned for the construction of 4" of gravel surfacing on the 6 mile section of F.A.P. 222 in Milam County, not to exceed 50% of the cost of same. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that the application of Milam County for \$10,000 additional State Aid on F.A.P. 394-B, on Highway No. 43 be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the location of F.A.P. 362 on State Highway No. 49 in the town of Daingerfield, Morris County, follow the route as shown on the plans approved by the State Highway Department and the Federal Department. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Nolan County be apportioned \$5,450.00 State Aid, not to exceed 50% of the cost of constructing a concrete pavement or an equal type, on Highway No. 1 through the town of Roscoe, said \$5,450.00 State Aid to be deducted from the present or future allotments of aid to Nolan County. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the \$35,000 Federal Aid allotted on May 21, 1923, to Real County, on Highway No. 41, be canceled. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Real County be granted \$42,000 State Aid, not to exceed 50% of the cost of improving State Highway No. 41, beginning at the Kerr County line and extending west to the Edwards County line - conditioned upon Real County providing \$42,000 to match the allotment of \$42,000 State Aid. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that Red River County be granted \$48,154.35 additional Federal Aid and \$30,813.82 additional State Aid to Section "B" of FAP 515 - conditioned upon the construction of an 18' concrete pavement between Detroit and the Lamar County line. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Shackelford County be granted \$25,000 State Aid, not to exceed 50% of the cost of bridges on Highway No. 23 - conditioned that the bridges be placed on the proper location of this highway between Albany and Cisco. Motion carried.

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Motion by Mr. Armistead, seconded by Mr. Martin, that \$25,000 of the \$100,000 Federal Aid allotted to Shackelford County on April 21, 1924, be canceled, in lieu of the \$25,000 State Aid allotted this date to bridges on Highway No. 23. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Tom Green County be granted \$1,816.52 additional State Aid to S.A.P. 402, making a total of \$16,009.24 State Aid allotted to this project, not to exceed 50% of the cost. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of Wharton County for \$873,978 Federal Aid for the construction of an 18' concrete pavement on State Highway No. 12 across the county be not granted, and that this application be filed for future consideration. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Wilbarger County be granted \$95,431.35 Federal Aid and \$31,810.45 State Aid on 5.25 miles of State Highway No. 5, from Harrold to the Wichita County line - conditioned upon the construction of an 18' concrete pavement. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that Wilbarger County be granted \$123,110.68 Federal Aid and \$41,936.89 State Aid on 6.84 miles of Highway No. 5, between Oklaunion and Harrold - conditioned upon the construction of an 18' concrete pavement. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Wilbarger County be granted \$79,855.79 Federal Aid and \$26,618.59 State Aid on 5 miles of Highway No. 28, from Oklaunion to Red River - conditioned on the construction of a 16' concrete pavement. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of Williamson County for \$26,000 additional Federal Aid on FAP 427, Hutto-Round Rock Road, Highway No. 2-B, be not granted; and that the State Highway Engineer be authorized to advise the county that the present allotment of \$44,178<sup>50</sup> Federal Aid and \$22,089<sup>50</sup> State Aid be applied on the grading and drainage structures of this project, not to exceed 50% of the cost of same. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that the agreement signed by the Commissioners' Court of Williamson County on the 12th day of May, 1924, and by Mr. Gibb Gilchrist, State Highway Engineer, in behalf of the State Highway Department, on May 19, 1924, whereby the State Highway Department is to take over and complete Section "C" of FAP 140, be and same is hereby approved by the State Highway Commission. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the agreement signed by the Commissioners' Court of Williamson County on May 12, 1924, and by Mr. Gibb Gilchrist, State Highway Engineer, on May 19, 1924, whereby the State Highway Department places in Williamson County a Resident Engineer to supervise the construction of FAP 140-C, FAP 427, FAP 418, SAP 486 and SAP 450, be and the same is hereby approved by the State Highway Commission. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that the application of Ball County for a designated State Highway from Temple to Marlin be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of Austin County for the reinstatement of old Highway No. 3-C, between Fayetteville and Hempstead, be postponed pending further investigation. Motion Carried.

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Motion by Mr. Martin, seconded by Mr. Armistead, that State Highway No. 39 between Jacksboro and Decatur be designated as follows: Beginning at Jacksboro, thence to Chico, and thence to Decatur; and that the location of this highway between Chico and Decatur be definitely decided at a later date when the Engineers' reports and recommendations on all possible routes are submitted, and when construction on this section is ready to begin. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of DeWitt County for extending Highway No. 72 from Yorktown to the Karnes County line be not granted. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that State Highway No. 75 between Jericho and Goodnight be canceled, and that in lieu thereof, State Highway No. 75 west of Jericho be designated as follows: Beginning at Jericho, thence west along the south side of the R. I. Railroad, via Groom and Conway, to a point about 2 miles west of Conway, and thence southwest to an intersection with State Highway No. 5 at Washburn. This new designation and location of same to be in accordance with the recommendations and sketch map accompanying the Division Engineer's letter of April 28, 1924. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that Highway No. 78, between Whitewright and Bonham, be canceled. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that Highway No. 78 be designated as follows: Beginning at Bonham, thence to Leonard, and thence to a connection with the present designation of Highway No. 78 in the northern part of Collin County; the exact point of connection to be decided by the Engineer's recommendation.

Motion by Mr. Armistead, seconded by Mr. Martin, that the application of Trinity County for extending State Highway No. 94 from Groveton to Lufkin be not granted. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that Mr. Gilchrist, Mr. Ehlinger and Mr. Francis be authorized to agree on exchanges and replacements of surplus war material and equipment, and to make such exchanges and replacements without consulting the Commission. Motion carried.

Motion by Mr. Martin, seconded by Mr. Armistead, that the application of Glady County for the reinstatement of Highway No. 25 from Jacksboro to Henrietta be postponed pending further investigation. Motion carried.

Motion by Mr. Armistead, seconded by Mr. Martin, that the following list of war equipment be declared unserviceable and that unserviceable lease agreements for same be issued, thereby transferring the title from the State Highway Department to the county or city. Motion carried.

County or City	Make	Ton	State No.
Brazos Co.	Heavy Aviation	3	598-260
	Heavy Aviation	3	598-259
	Dodge Roadster		599-969
Concho Co.	G.M.C.	1	598-251
	12 sets chains		
	1 Roll duck		
	1 Q. emery cloth		
	9 Hammers		
	8 Sets harness		
	2 Kegs nails		

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County or City	Make	Ton	State No.	
Concho County	1 Novo pump			
	6 Oil cans			
	12 Pick hdl.			
	15 Pliers			
	4 post hole diggers			
	1 pump			
	475 feet rope			
	7 saws			
	20 shovels			
	2 squares			
	5 wagon sheets			
	12 whips			
	23 wrenches			
	Cooke County	5 axes		
		1 forge		
7 shovels				
1 tent				
8 wrenches				
Crockett County	Nash	2	598-831	
Erath County	Packard	3	599-022	
Hood County	Velie	2	599-236	
	16 Axes			
	8 Cans axle grease			
	1 Brace			
	5 Sets harness			
	3 Hammers			
	8 Locks			
	4 Mattocks			
	4 Kegs nails			
	9 Picks			
	30 Pick handles			
	2 Pinch bars			
	2 Saws			
	2 Saw tools			
	24 Shovels			
	8 Sledges			
	1 Vise			
	14 Wrenches			
	Kimble County	Peerless	3	599-123
	Martin County	100 yds. duck		
		1 Hammer		
3 Mattocks				
7 Pick handles				
1 Pinch bar				
2 Saws				
Montague County	Nash	2	598-707	
	Nash	2	598-710	
	Packard	2	598-947	
	Motorcycle		9994	
	2 Concrete mixer			
	2 Tents			
Reeves County	Nash	2	598-756	
Runnels County	13 Axes			
	2 Bench grinders			
	1 Brace			
	185 yds. duck			
	6 Wrenches			
	1 Forge			
	4 Shovels			
Schleicher County	1 Wagon sheet			
Somervell County	3 Axes			
	2 Lanterns			
	1 Saw			
	2 Kegs staples			
	1 Wrench			
	1 Wagon sheet			
City of Austin	H.D. Motorcycle Republic	3/4	14048 599-208	
City of Ballinger	1 Tarpaulin			
City of Bryan	Packard	1-1/2	598-956	

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County or City	Make	Ton	State No.
City of DeLeon	Packard	1-1/2	598-897
Prairie View			
State Normal	G.M.C.	3/4	598-211
Runnels County	Holt Tractor	10	598-611
City - San Angelo	18 Axes		
	9 Buckets		
	538 yds. duck		
	24 Lantern globes		
	15 Hammers		
	15 pick hds.		
	8 Hatchets		
	21 R.R. Lanterns		
	12 Picks		
	24 Pick mattocks		
	1 Coil rope 7/8"		
	9 Saws		
	1 Screwdriver		
	70 Shovels		
	6 Sledges		
	7 Tires, solid		
	8 Wrenches		
Camp Mabry	11 Indian motorcycles		
	Auburn	Tour.	599-785
	Dodge	Chassis	599-955
	Dodge	Road.	599-971
	Dodge	Tour.	599-977
	Dodge	Tour.	599-988
	Dodge	Tour.	599-991
	Dodge	Tour.	599-992
	Dodge	Tour.	599-997
	Ford	Fire Truck	599-431
	Ford	Del.	599-432
	Ford	Amb.	599-770
	Ford	Amb.	599-771
	Ford	Del.	599-775
	Ford	Del.	599-780
	Hudson	Chassis	599-783
	Overland	Road.	599-787
	Owen Magnetic	Tour.	599-784
	Studebaker	Patrol	599-789
	Studebaker	Tour.	599-790

Motion by Mr. Martin, seconded by Mr. Armistead, that the following list of surplus war material and equipment be declared unserviceable and that same be offered to the other States in the Union and the sub-divisions of this State as unserviceable material and equipment; and that in the event any of this material or equipment is not desired by other States or sub-divisions of this State, that same be exchanged for material and equipment serviceable for road building material, said exchange being authorized in the Chief of the Bureau's letter of November 30, 1923. Motion carried.

1500 Second-hand picks  
 151 Sets cart harness, collar  
 5 Sets double breast harness  
 11 Sets collar and horse harness  
 75 Only cold punch hammers w/o hds.  
 4 Parts cabinet steel  
 400 pcs. tank hose 3"- 48" long  
 10 Collets  
 6 Aeroplane oil pumps  
 17 Mimeograph covers and parts (used)  
 894 Emory wheels 5" cup shape  
 733 Emory wheels 4" cup shape  
 1 Forge and blower, incomplete  
 45 Map cases

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19	Flare torches, incomplete
250	Lantern founts
518	Police lanterns
12	Grease guns special
58	Auto side lights
31	Auto head lights, electric
8	Rolls vulcanizing rubber for casings, bad order.
50	Pounds harness thread wax
143	Cakes harness soap
100	Pounds 1/2" square rubber packing
55	Rotating map cases atlas
39	Cloth buffers
4	Gasoline pumps
187	Metric taps, asstd. sizes
215	Sets bit brace pipe reamer sets 1 1/4" - 1 3/16" - 1 3/8"
3000	Fuse lighters
60	Wood screw clamps
85	Socket T wrenches, square
16	Harness anvils 16#
1	Toledo automatic scale (broken)
34	Furnace cleaners
5	Fairbank platform scales 100# beam (broken)
37	Large emory wheel 24"
124	Explosive drills
91	Steel boxes 12 x 24 - 24 deep
34	Steel boxes 12 x 36 - 24 deep
23	Oxygen tanks (French)
187	Bread pans
16	Fire hose nozzles brass
4	Oil pumps, hand
1	Forge blower
9	Forges, incomplete
14	Iron pulleys
138	Boilers, round 10 gal.
94	Pan baking 4" x 16"
32	Portable forge cases
12	Baking pans 14" x 8" - 12" deep with covers
30	Shovels w/o hdl's.
12	Machine gears
1	Gas tank 300 gal.
74	Shaft couplings 3"
4	Steel pulleys 4"
1	4 cylinder compressor
200	Reamer blades asstd. sizes
102	Gardens fire extinguishers
8	12 x 8 Steel pulleys
2	Shaft hangers
247	Bucket pump fire extinguishers
25	Gears for forges
400	Feet 1 1/2" fire hose
1500	Feet 2" fire hose
73	Tuyere irons and duck nests
1	Turrett lathe, Carwin #1 s-p, incomp.
2	Turrett lathes, Pratt & Whitney, "
1	Davis lathe motor driven 14" with motor D.C.
2	Turrett lathes, 1 1/4" with attachm'ts.
4	Bryan chucking grinders new with countershaft.
2	Turrett lathes 1 1/4" with attachm'ts
1	Yates #151 planer, incomplete
1	LeBond #2 1/2 heavy duty milling machine, complete.

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2 Whitney milling machine #6, complete with countershaft.  
 1 Brown & Sharpe #3 grinder, incomplete  
 1 Yates Bond saw, complete  
 1 Yates Bond saw, incomplete  
 1 Circular saw and table  
 2 Pump jacks, complete 8"  
 1 Pump jack, complete 6"  
 1 Aeroplane motor (Sturdevant)  
 3 Truck lathes, new (Cleveland Burch)  
 1 25 cycle generator set complete with starter box & attachments (motor 7.8 amperes 2200 volt 30 H.P) (Generator 20 KW) (Manufactured by Burke Electric Co., Erie, Penn)  
 1 Fitchburg Lather 12" "Lo Swing"  
 1 Heald grinder #70 with attachments, internal incl.  
 1 Fellows gear shaper, new  
 1 American jig saw  
 1 American Sander #8  
 1 Portable diaphragm pump with gas engine  
 4 Cadillac motors, incomplete (used)  
 1 American wood-working shaper twin spindle, new  
 1 Turret lath Warner-Swasey #2 8' bid, gear head, single pulley drawn.  
 1 Rolley & Hermauce #3 wood machine.  
 1 Reed prentice lathe 14"  
 1 Oakley #2 grinder  
 1 Surface grinder, incomplete  
 1 Surface grinder-Chicon Faust Drill Company, incomplete  
 1 Morse Faust drill & Machinery Co., Grinder external  
 1 Circular saw with gas engine  
 1 Heald grinder internal  
 1 Ingersoll-Sargent steam pump  
 1 External grinder 12' bid with counter-shaft.  
 1 Fitchburg external grinder  
 1 Becker milling machine, incomplete  
 1 Fox Milling Machine #2 $\frac{1}{2}$  with counter-shaft.  
 1 Becker vertical miller, with counter-shaft.  
 1 Becker Milling machine #25, incomp.  
 1 Fitchburg grinder, incomplete w/countershaft  
 1 Pipe threader 6" steam  
 1 Steam engine with 6" centrifugal pump  
 2 Drill presses, Herman Wright  
 1 Electric Welder - spot  
 1 Byers portable crane 25' Boom comp., running condition.  
 1 F.C.Austin Ditch digger  
 1 Chain belt concrete mixer, steam power size #2 10 c.ft.  
 1 Standard concrete mixer ser. #525 5, 6 cu. ft.  
 1 Standard concrete mixer 10 cu. ft.  
 1 Larson Concrete mixer, Ser. #1684, with gas engine 6 cu. ft.  
 1 Concrete mixer, Ote Mfg.Co., 8 cu.ft. steam power  
 1 Street sweeper, complete 6' broom  
 1 Crescent band saw  
 2 Hardening furnaces



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1 Reed 12" lathe  
1 Fitchburg shaper  
1 Bennett slotting machine  
1 Road oiler on Studebaker wagon 600 gal.  
1 Landis external grinder  
1 Turrett lathe with attachments and  
countershaft  
1 Turrett lathe with attachments and  
countershaft  
Atterbury parts  
Gramm Berstein parts  
Heavy Aviation parts  
Harley Davidson Motorcycle parts  
Nash Quad parts  
Packard 3 Ton parts  
Packard 1 1/2 Ton parts  
Peerless parts  
Reo parts  
Studebaker parts  
Vellie parts