

**STONE COUNTY HIGHWAY COMMISSION
MINUTES**

January 4, 2018

STATE OF MISSOURI |
SS
COUNTY OF STONE |

Be it remembered that a session of the County Highway Commission of Stone was held on January 4, 2018 at which the following were present Presiding Commissioner Dennis Wood, Northern Commissioner Mark Maples, Southern Commissioner Hank Smythe, County Counsel Bill McCullah, Northern Road Commissioner Jim Gold and Southern Road Commissioner Randy Rogers.

Others present for this meeting were; Randy Burke, Central Foreman; Mike Keithley, Northern Foreman; Beth Schaller & Dusty Sears, MoDot; Denise Dickens, Commission Administrative Assistant; Bob Hazen, Southern Shop Foreman, Kathy Hass, Peggy Griffith and Tena Foster, Stone County Clerk's office.

12:00 PM

Presiding Commissioner Dennis Wood, opened the meeting with the pledge of allegiance to the flag.

Approve Minutes

The matter to approve the minutes for Stone County Highway Commission meeting dated December 7, 2017, was brought to decision by a roll call vote: Gold – yes; Rogers – yes; Smythe – yes; Maples – abstain; Wood-yes. Minutes ordered approved.

Discussion

Add March 1st to agenda tp Open Bids

Propane tanks and fuel tanks

2018 Budget was reviewed with no changes

Emergency Management Truck & Trailer to be put on January 18th, agenda to decide where or what to do about garaging it.

Beth Schaller & Dusty Sears, MoDot

Dusty Sears came before the Commission with advice on what they do about putting in culverts and intersection sight distance informaiton. Beth Schaller gave some updates on the roads, bridges and other information. Informational meeting only.

Randy Burke, Central Foreman is to bring back information on culverts and information that P&Z will make available to help them with on the issue of installing or not installing culverts. To be put on January 18th agenda for decision.

Budget Expenditure and Revenue

Expenditure and Revenue lines were reviewed and discussed. All matters were discussion only no decision to be made.

Public Time: Time was extended to anyone who wanted to speak to the Commission at this time.

Adjournment:

The matter to adjourn this meeting of Stone County Road and Bridge was brought to decision by a roll call vote: Gold – yes; Maples – yes; Rogers – yes; Wood – yes; Smythe – yes. Matter carried, meeting adjourned at 1:55 PM.

941.7.1 Stopping Sight Distance

US Customary				
Design speed (mph)	Brake reaction distance (ft)	Braking distance on level (ft)	Stopping sight distance	
			Calculated (ft)	Design (ft)
15	55.1	21.6	76.7	80
20	73.5	38.4	111.9	115
25	91.9	60.0	151.9	155
30	110.3	86.4	196.7	200
35	128.6	117.6	246.2	250
40	147.0	153.6	300.6	305
45	165.4	194.4	359.8	360
50	183.8	240.0	423.8	425
55	202.1	290.3	492.4	495
60	220.5	345.5	566.0	570
65	238.9	405.5	644.4	645
70	257.3	470.3	727.6	730
75	275.6	539.9	815.5	820
80	294.0	614.3	908.3	910

Table 233.2.1 Intersection Sight Distance

Speed (mph)	Intersection Sight Distance, Passenger Vehicle (ft.)	Intersection Sight Distance, Combination Truck (ft.)	Length Of Lag, "d" (ft.)
	(Eye Ht. = 3.5 ft., Object Ht. = 3.5 ft.)	(Eye Ht. = 7.6 ft., Object Ht. = 3.5 ft.)	
30	335	505	140
35	390	590	165
40	445	675	195
45	500	760	220
50	555	870	245
55	610	930	285
60	665	1010	325
65	720	1090	365
70	775	1180	405

Effect of Downgrade on Stopping Sight Distance							
Speed (mph)	-3% Grade SSD (ft)	-4% Grade SSD (ft)	-5% Grade SSD (ft)	-6% Grade SSD (ft)	-7% Grade SSD (ft)	-8% Grade SSD (ft)	-9% Grade SSD (ft)
30	205	208	211	215	219	223	227
35	258	262	268	271	276	282	288
40	315	321	327	333	339	347	354
45	378	385	393	400	409	418	428
50	446	455	464	474	484	495	507
55	520	530	541	553	566	579	594
60	599	611	624	638	653	669	686
65	682	697	712	729	746	765	786
70	772	788	806	825	845	868	891

Note: The values in the above table were calculated using Eqns. 3-2 & 3-3 (AASHTO Green Book), with a brake reaction time of 2.5 sec and a deceleration rate of 11.2 ft/s^2 .

Effect of Upgrade on Stopping Sight Distance							
Speed (mph)	+3% Grade SSD (ft)	+4% Grade SSD (ft)	+5% Grade SSD (ft)	+6% Grade SSD (ft)	+7% Grade SSD (ft)	+8% Grade SSD (ft)	+9% Grade SSD (ft)
30	190	188	186	184	183	181	179
35	237	234	232	229	227	225	222
40	289	285	282	278	275	272	269
45	345	340	336	331	327	324	320
50	405	399	394	389	384	379	375
55	470	463	456	450	444	438	433
60	539	530	523	515	508	501	495
65	612	603	593	585	576	569	561
70	690	679	668	658	649	640	631

Note: The values in the above table were calculated using Eqns. 3-2 & 3-3 (AASHTO Green Book), with a brake reaction time of 2.5 sec and a deceleration rate of 11.2 ft/s^2 .