



Barrow County Emergency Services

Barrow County – Community Emergency Medical Assessment

Emergency Response Zones (ERZ):

Barrow County Emergency Services is the licensed Emergency Medical Service provider for all Barrow County to include all Municipalities.

Barrow County Emergency Services License Number: **007-05** - GEMSIS PCR Number: **114**

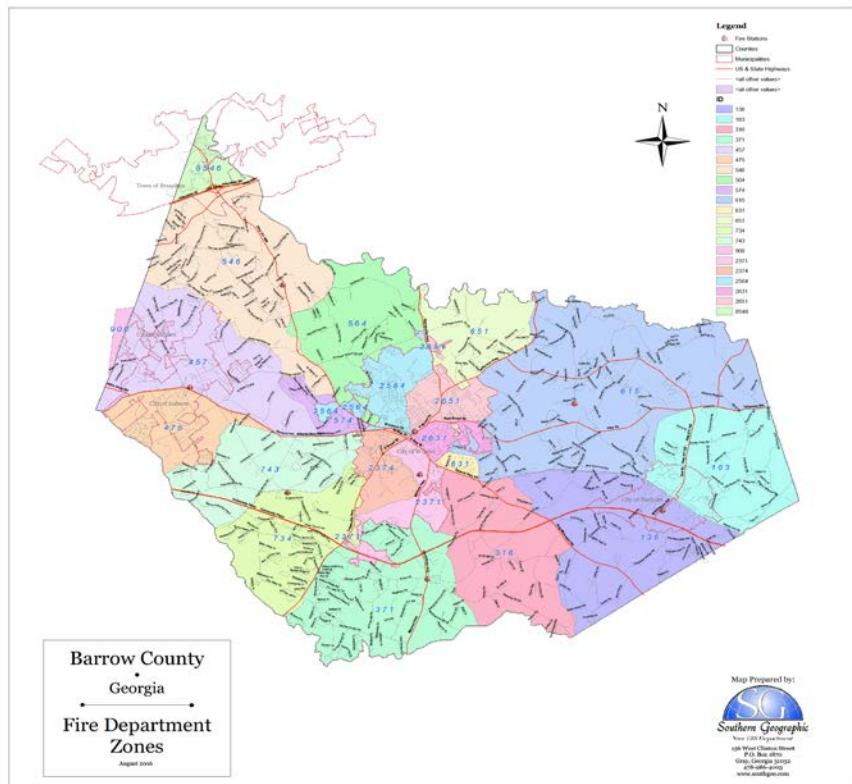
Emergency Response Zone or Standards of Coverage – Defined as those adopted, written policies and procedures that determines the distribution, concentration and reliability of fixed and mobile response force for Fire/Rescue and Emergency Medical Services. Emergency Responses Zones were established by utilizing GIS mapping to ensure ideal response for all of Barrow County. (*Adopted August 2015*)

For the purpose of Barrow County, Barrow County Emergency Services has defined twenty (20) ERZ sub zones in its Standards of Coverage. These sub zones identify the 1st, 2nd, and 3rd due responses for each of the respected zones which is automatically built-in the CAD system to ensure efficient operations.

Emergency Response Zones are as follows:

(Reference ERZ Map)

- ERZ 136
- ERZ 163
- ERZ 316
- ERZ 371
- ERZ 457
- ERZ 475
- ERZ 546
- ERZ 546Hall
- ERZ 564
- ERZ 576
- ERZ 615
- ERZ 631
- ERZ 651
- ERZ 734
- ERZ 743
- ERZ WFD1A
- ERZ WFD1B
- ERZ WFD1C
- ERZ WFD2A
- ERZ WFD2B



Data Components utilized:

- All request for services were utilized in the computation of the following response data. Barrow County considers all calls for service for an ambulance into the dispatch center emergency responses.
- Tyler/New World Computer Aided Dispatch (CAD) Software (DSS) Decision Support Server.
- ImageTrend Records Management System (RMS).

2018 Response data (January 1, 2018 – June 30, 2018):

The below report demonstrates Barrow County Ambulance responses into all Emergency Response Zones within Barrow County from January 1, 2018 thru June 30, 2018.

- Total Call Counts – 4,886
- Total average Dispatch to arrival time – 7:31

The below report demonstrates Barrow County Ambulance responses into the Emergency Response Zones identified for the City of Winder from January 1, 2018 thru June 30, 2018.

City of Winder Response (2018) - (Dispatch to Arrival)													
ERZ	January		February		March		April		May		June		
	Incidents	Response	Incidents	Response	Incidents	Response	Incidents	Response	Incidents	Response	Incidents	Response	
WFD1A	59	11:34	39	7:18	48	8:20	58	11:22	57	8:23	54	7:48	
WFD1B	35	7:33	45	8:00	43	8:38	51	8:26	54	10:03	51	7:05	
WFD1C	57	9:59	41	8:21	48	8:30	34	13:48	51	8:29	40	8:45	
WFD2A	45	7:38	33	10:33	42	7:38	41	8:39	52	10:01	35	10:15	
WFD2B	56	7:56	84	7:04	47	7:05	53	7:39	56	7:47	63	7:40	
Total	252	8:56	242	8:15	228	8:02	237	9:59	270	8:56	243	8:19	

Response data for the City of Winder’s Emergency Response Zones demonstrates the following:

- Total Call Counts – 1,472
- Total average Dispatch to arrival time – 8:46

The above data reflects all calls of service into the respected ERZs that require a Barrow County Ambulance response regardless of the nature of the call.

The below report demonstrates Barrow County Ambulance responses into the Emergency Response Zones identified for Barrow County, excluding the ERZs located within the City of Winder as of December 31, 2017.

County Response (2018) - (Dispatch to Arrival)												
ERZ	January		February		March		April		May		June	
	Incidents	Response	Incidents	Response	Incidents	Response	Incidents	Response	Incidents	Response	Incidents	Response
136	54	5:17	44	5:45	38	6:27	50	5:40	51	6:16	50	3:51
163	39	6:11	30	5:29	32	5:50	43	6:09	40	5:55	36	6:47
316	20	5:18	17	5:37	19	5:58	11	6:01	20	6:54	27	6:48
371	88	6:45	72	7:40	70	6:58	61	8:03	69	7:35	79	5:17
457	85	6:01	81	6:14	65	5:45	65	5:34	62	5:31	57	6:07
475	34	7:44	39	6:11	47	5:38	49	8:40	37	5:49	40	5:25
546	63	6:09	43	6:46	44	6:54	49	9:25	55	5:49	58	6:17
546Hall	10	8:26	14	3:41	22	6:50	18	8:11	11	6:45	15	7:39
564	19	6:18	21	8:40	16	7:30	12	8:12	18	8:54	20	9:31
574	13	8:13	10	6:37	12	8:23	12	6:07	7	8:12	5	7:58
615	64	8:40	73	7:34	56	7:04	72	7:52	62	7:21	81	7:33
631	8	10:48	12	8:43	12	13:06	11	12:30	6	4:38	6	9:02
651	8	7:57	12	6:39	17	6:14	15	14:06	21	7:03	14	10:01
734	59	8:08	47	7:29	46	6:41	56	7:01	74	7:31	52	6:39
743	41	5:20	37	6:27	58	6:16	27	8:16	43	6:38	36	5:27
Total	605	7:09	552	6:39	554	7:02	551	8:07	576	6:43	576	6:58

Response data for Barrow County Emergency Response Zones, excluding those ERZs that fall within the City of Winder, demonstrates the following:

- Total Call Counts – 3,414
- Total average Dispatch to arrival time – 5:59

The above data reflects all calls of service into the respected ERZs that require a Barrow County Ambulance response regardless of the nature of the call.

Response times:

While the State Office of EMS and Trauma (Department of Public Health) doesn't establish a set standard on response times, it is the understanding that the critically ill and injured benefit most from timely delivery of appropriate care.

NFPA 1710 Standard on response times – Advanced Life support response time of 480 seconds (8 minutes) or less for the arrival of an advanced life support unit at an emergency medical incident where the service is provided by the fire service.

Also referenced in the Emergency Medical Services 4th edition (Guide book Fire-Based EMS systems) – “Policies for the Public Good” – *Response time guidelines for victims of cardiac arrest, notes that the highest hospital discharge rates have been achieved in patients in whom CPR was initiated within four minutes of arrest and advanced cardiac life support administered within eight minutes*

The “Golden Hour” describes the precious time period (60 minutes) from time of injury through location and transportation to definitive care of a critically injured trauma patient to minimize death and permanent disability.

Also referenced in the Emergency Medical Services 4th edition (Guide book Fire-Based EMS systems) – “Performance Standards”

<u>Zones</u>	<u>Standard Time</u>
<i>Urban</i>	<i>6 Minutes</i>
<i>Rural</i>	<i>9 Minutes</i>
<i>Remote</i>	<i>14 Minutes</i>

Barrow County Emergency Services goal for performance standards is following the NFPA 1710 Recommended Standard regarding response times to **emergency incidents** within our licensed service area.

Emergency Incidents - means a condition or situation in which an individual perceives a need for immediate medical attention, including conditions or situations requiring medical care, extrication, rescue, or risk suppression in connection with the provision of emergency medical services, or where the potential for such need is perceived by the individual, a bystander, or an emergency medical services provider.

Conclusion:

In conclusion, although the state of Georgia does not define a response time standard through law or rules and regulations; Barrow County Emergency Services strives to meet or exceed all consensus standards set forth by NFPA 1710, American Heart Association, and the Emergency Medical Services Guidebook 4th edition.

By the utilization of strategically located stations, policies and procedures, and performance standards Barrow County Emergency Services continues to offer a high level medical response within its licensed coverage area. By the current Standards of Coverage, the deployment of BCES Emergency Medical Units provide sufficient coverage to all jurisdictions within Barrow County for our current call volume.

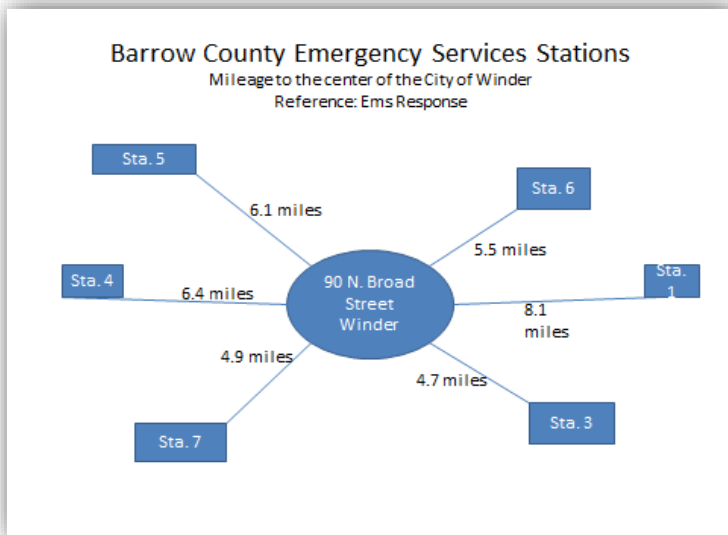


Chart shown to the left demonstrates the mileage from each of the Barrow County Emergency Response facilities to the center of the City of Winder – 90 North Broad Street.

Station 3, Station 5, Station 6, and Station 7 serve as primary response units to the Winder’s ERZs.

As a result of the current deployment, the City of Winder receives an enhanced level of ALS Standard of Coverage.

As the communities within the county continue to experience growth, so does the demand for services provided by Barrow County Emergency Services. As a result of potential growth, the Standards of Coverage will require future analysis to ensure the most efficient response to all emergencies.