



Cedar Fire Department
8907 Railroad Ave.
PO Box 208
Cedar, MI 49621



Cedar Fire Department

Cedar Fire Board Members

Solon Supervisor Jim Lautner

Solon Trustee Ron Novak

Solon Clerk Shirley Mikowski

Solon Treasurer Joan Gauthier

Solon Trustee George Rosinski

Centerville Supervisor Leonard Kelenski

Centerville Trustee Jim Schwantes

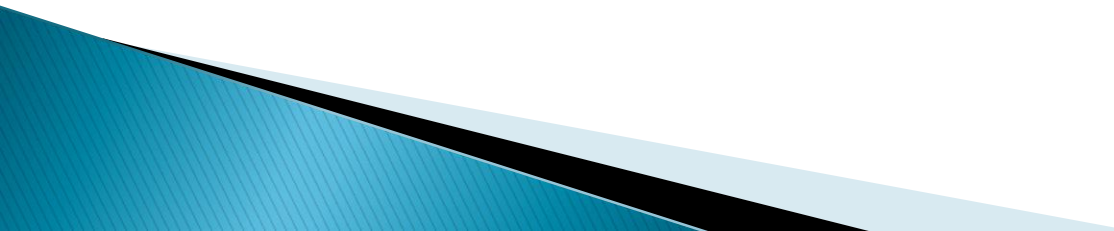
Centerville Trustee Fred Peplinski

Centerville Clerk David Wurm

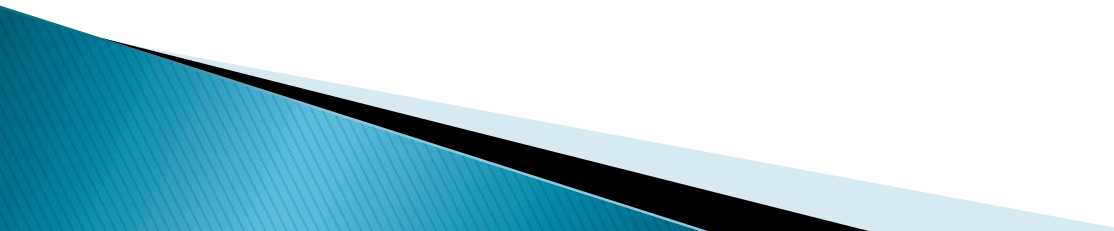
Centerville Treasurer Katrina Pleva



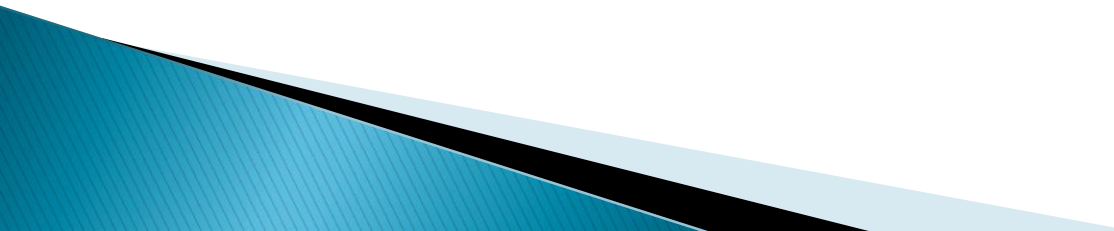
A comparison of Advanced Life Support (ALS) Services and Basic Life Support (BLS) Services

- Some terms and basic assumptions
 - Current operation of the department as a BLS and ALS service
 - Five year projections for the department as a BLS and ALS service
 - Costs and Funding
 - Questions and Comments
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TERMS AND ASSUMPTIONS

- EMS – Emergency Medical Services
 - ALS – Advanced Life Support
 - BLS – Basic Life Support
 - EMT-B Emergency Medical Technician – Basic
 - EMT-P Emergency Medical Technician – Paramedic
 - ALS Intercept
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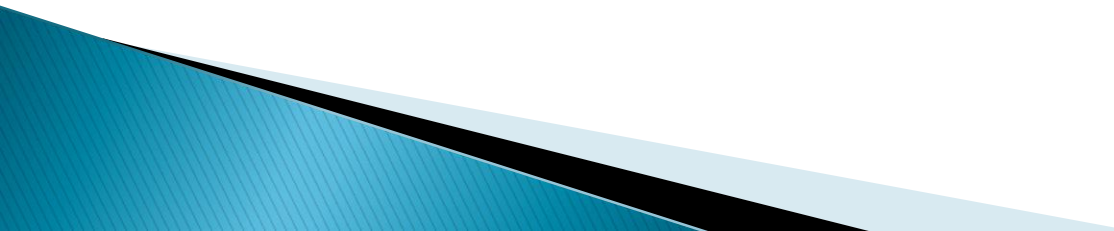
TERMS AND ASSUMPTIONS

- BLS – Basic Life Support
 - Patient Assessment
 - Monitor Vital Signs
 - Bandaging and Splinting
 - CPR and AED
 - Limited Medications
 - Airway Management
 - Nebulizer Treatment
 - Anaphylaxis Intervention
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TERMS AND ASSUMPTIONS

- ALS – Advanced Life Support
 - All of the BLS services
 - Larger Range of Medications
 - Heart Monitor
 - Defibrillator
 - IV administration
 - Advanced Airway Management
 - 24/7 manning of station required

TERMS AND ASSUMPTIONS

- Current township support
 - 4 township support
 - Fire and rescue operational costs are separate
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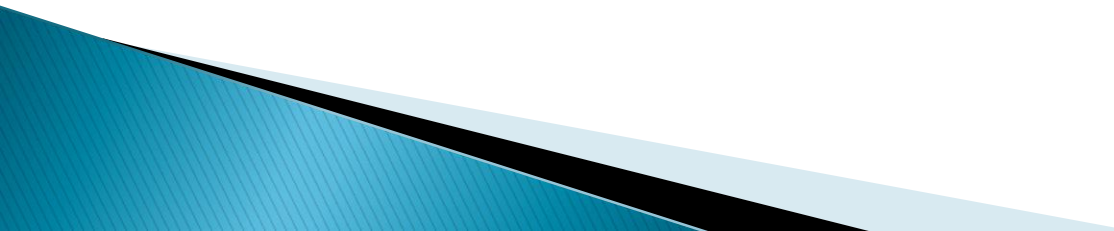
CURRENT EMS DIVISION DATA

- Number of ambulance calls in 2012 – 444
- Average response time – 8 minutes
- Number of ALS intercepts in 2012 – 125
 - 28% of calls were ALS
- The 4 year average number of ambulance calls - 409

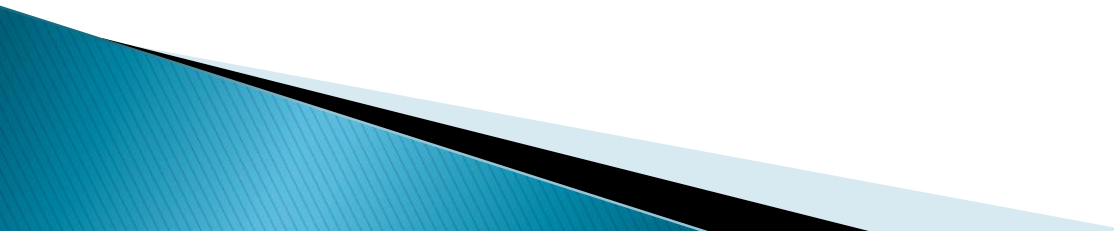
Five (5) year projection (based on 3% growth each year)

- Number of ambulance calls in 2017 – 475
 - Number of ALS intercepts in 2017 – 133
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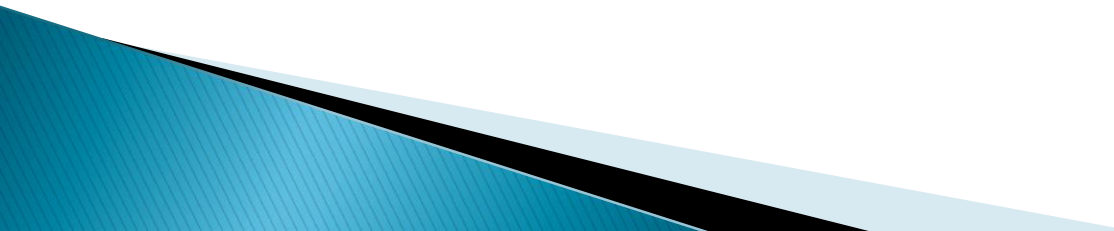
Service Impact of ALS versus BLS

- Improved response time
 - Intercept time
 - Intervention time
 - Responder skills at time of intervention
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Current BLS Service

- Number of full time staff - 3
 - Current equipment - 2 BLS ambulances
 - Current budget - \$220,400.00
 - Current generated revenues - \$75,000.00
 - Current township support - \$145,400.00
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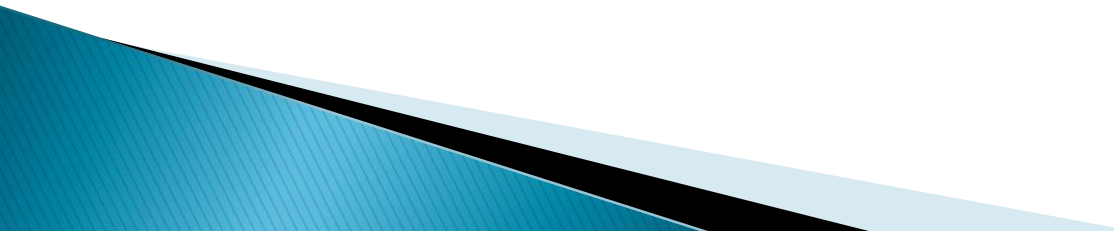
If ALS was operational today

- Number of full time staff – 6
 - Estimated operational budget – \$529,400.00
 - Estimated generated revenues – \$123,000.00
 - Estimated township support needed – \$397,400.00
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If BLS was to continue...

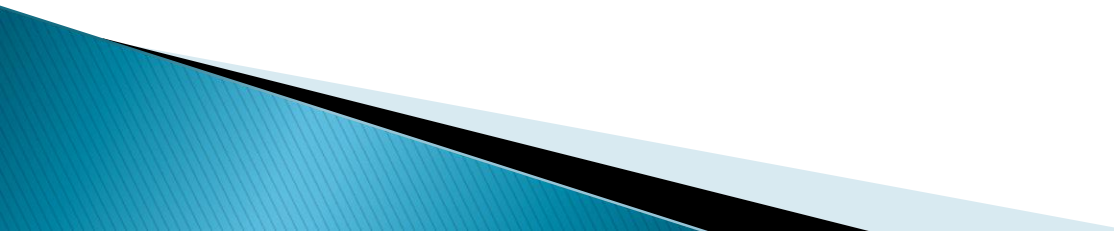
estimated costs in five (5) years:

- Estimated number of ambulance calls in 2017 – 475
 - Estimated full time staff in 2017 – 6
 - Estimated operational budget in 2017– \$384,200.00
 - Estimated generated revenues in 2017 – \$86,250.00
 - Estimated township support in 2017 – \$297,950.00

 - Estimated capital needs through 2017 – \$450,000.00
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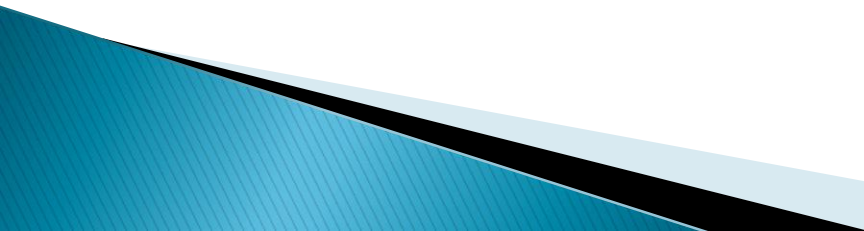
If ALS was to be implemented... estimated costs in five (5) years:

- Estimated number of ambulance calls - 475
 - Estimated full time staff - 6
 - Estimated operational budget in 2017 - \$585,800.00
 - Estimated generated revenues in 2017 - \$141,450.00
 - Estimated township support needed in 2017 - \$444,350.00

 - Estimated capital needs through 2017 - \$450,000.00
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If ALS was to be implemented...

Estimated cost of an ECHO Unit for ALS Services:

- Wages and benefits for 1 year.....\$225,000.00
 - 2012 Chevrolet Tahoe w/20,000 Miles....\$35,000.00
 - Cost of Radios.....\$3,000.00
 - Warning Lights & Siren.....\$2,500.00
 - Graphics.....\$500.00
 - Medical Equipment.....\$60,000 to \$100,000.00
 - ESTIMATED TOTAL STARTUP COST:.....\$366,000.00
- The total startup cost should be enough to also cover the insurance.
- Wages estimate supplied by Northflight.
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Funding for the EMS Division today

- Current EMS Division budget: \$220, 400.00
- Individual township contribution for the EMS Division: \$55,000.00

Current millage for each township based on their taxable value:

- Solon - .63 mills
 - Centerville - .61 mills
 - Cleveland - .53 mills
 - Kasson - .62 mills
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If ALS were in operation today:

- Estimated EMS Division budget: \$520,000.00
- Individual township contribution for the EMS Division: \$130,000.00

Estimated millage for each township based on their taxable value:

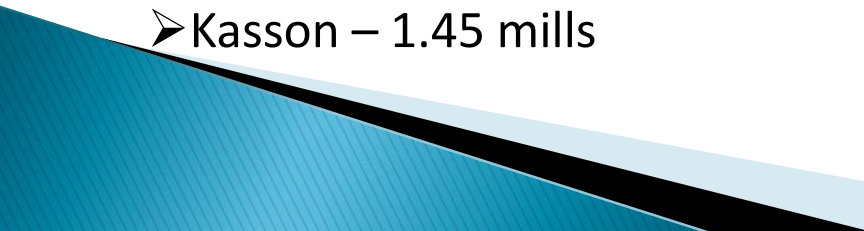
- Solon – 1.48 mills
 - Centerville – 1.42 mills
 - Cleveland – 1.25 mills
 - Kasson – 1.45 mills
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Five (5) year projections:

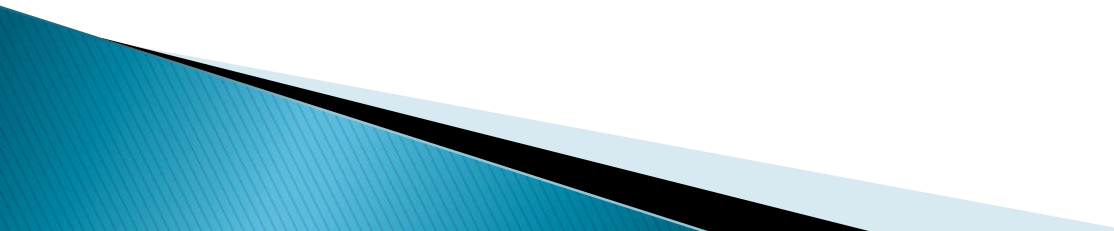
- Estimated **BLS** operational budget in 2017 - \$384,200.00
 - Estimated cost per township - \$96,050.00

 - Estimated millage for each township based on their taxable value:
 - Solon - .97 mills
 - Centerville - .93 mills
 - Cleveland - .82 mills
 - Kasson - .95 mills

 - Estimated **ALS** operational budget in 2017 - \$585,800.00
 - Estimated cost per township - \$146,450.00

 - Estimated millage for each township based on their taxable value:
 - Solon – 1.48 mills
 - Centerville – 1.42 mills
 - Cleveland – 1.25 mills
 - Kasson – 1.45 mills
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Service Impact of ALS versus BLS

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 - Responder skills at time of intervention
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➤ **Planning and Implementation**

➤ **Bennett Bill**

- A bill that amends the public health code to allow an ambulance service to operate at a higher license level when the properly trained people are on duty.
- The upgrade license is issued for a period of 2 years and may be renewed for an additional 2 years.
- An applicant is required to provide a plan for permanently upgrading its service.
- At the end of the 2 year or 4 year period the ambulance service must permanently upgrade the service or revert back to the basic service.
- Estimated cost of implementing the Bennett Bill option:
 - One Paramedic wages and benefits: \$60,000.00
 - ALS equipment: \$100,000.00

Questions or comments???

Thank You for attending!!!