



INNOVATIVE IDEAS  
EXCEPTIONAL DESIGN  
UNMATCHED CLIENT SERVICE

Clark County Signals Study  
Final Tech Memo

## Appendix G: Conceptual Cost Estimates

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<b>Bird Road &amp; Old Columbus Road</b>		<b>COST</b>	<b>Engineering 15%</b>	<b>Total</b>
1)	Signal Upgrade with Video Detection or Wavetronix (Radar Detection)	\$140,000	\$21,000	\$161,000
2)	Emergency Signal Preemption	\$9,500	\$1,500	\$11,000
<b>TOTAL =</b>		\$149,500	\$22,500	<b>\$172,000</b>

<b>Springfield-Xenia Road &amp; W. Possum Road</b>		<b>COST</b>	<b>Engineering 15%</b>	<b>Total</b>
1)	Signal Upgrade with Video Detection or Wavetronix (Radar Detection)	\$140,000	\$21,000	\$161,000
2)	Emergency Signal Preemption	\$9,500	\$1,500	\$11,000
3)	Pedestrian Signal Heads (8) & Push Buttons (8)	\$6,500	\$1,000	\$7,500
4)	ADA Ramps	\$4,500	\$700	\$5,200
5)	No Turn on Red Sign	\$400	\$100	\$500
6)	Remark Existing Pavement Markings & Add Marked Crosswalks	\$4,500	\$700	\$5,200
7)	Resurface Pavement along Springfield-Xenia Road	\$40,000	\$6,000	\$46,000
<b>TOTAL =</b>		\$205,400	\$31,000	<b>\$236,400</b>

<b>Leffel Lane &amp; Selma Road</b>		<b>COST</b>	<b>Engineering 15%</b>	<b>Total</b>
1)	Signal Upgrade	\$140,000	\$21,000	\$161,000
2)	Pedestrian Signal Heads (4) & Push Buttons (4)	\$3,500	\$600	\$4,100
3)	ADA Ramps	\$4,500	\$700	\$5,200
4)	Increase Southwest Corner Turn Radius	\$5,000	\$800	\$5,800
5)	Resurface Pavement along Selma Road	\$79,000	\$11,900	\$90,900
6)	Remark Existing Pavement Markings (Including Lengthening Turn Lanes)	\$11,000	\$1,700	\$12,700
7)	Install Additional Loop Detectors	\$3,500	\$600	\$4,100
8)	Install "Signal Ahead" Signs (4)	\$1,300	\$200	\$1,500
<b>TOTAL =</b>		\$247,800	\$37,500	<b>\$285,300</b>