

System and Network Planning, Design, and Operations



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THE PLAN TO IMPLEMENTATION









The Why City's Needs

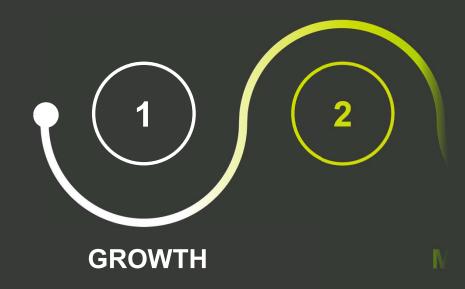


BH0

[@Blake G. Hansen] To make these transition smooth I set it up with 3 slides. It is all on click so just take a few times through it to get used to the clicking. Brooke Hilt, 2023-04-27T17:07:16.735

The Why City's Needs

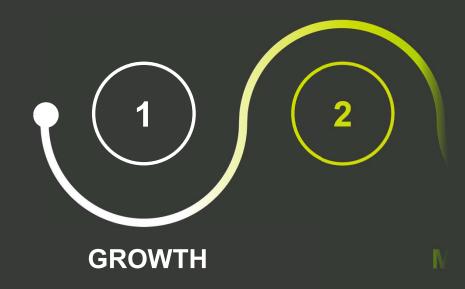
RELIABILITY





The Why City's Needs

RELIABILITY

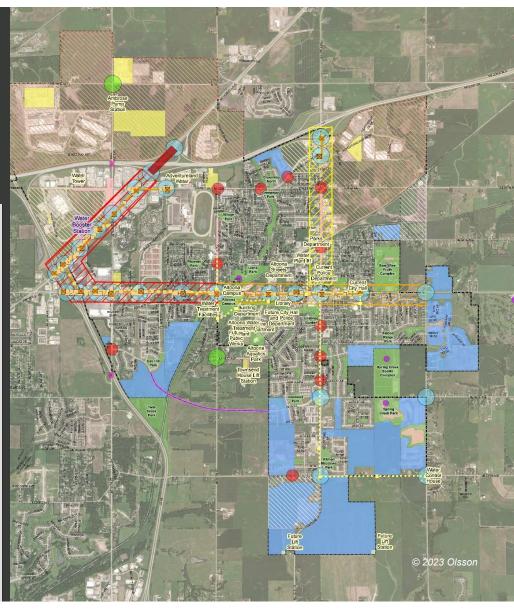




The Communication Plan Legend

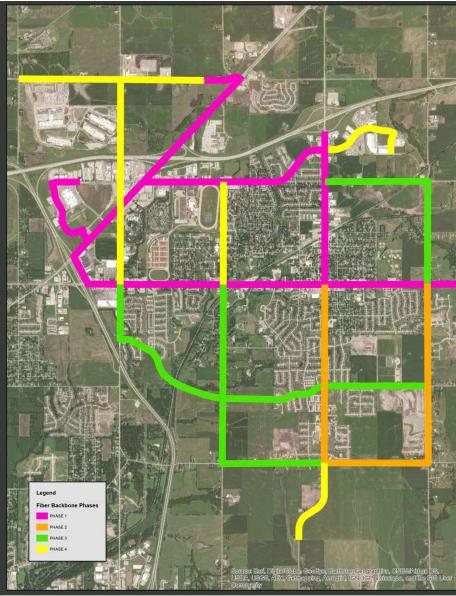
- Understand the existing network
- Prioritized their needs
- Explored all the options
- Tailored the solutions





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Implementation Phasing



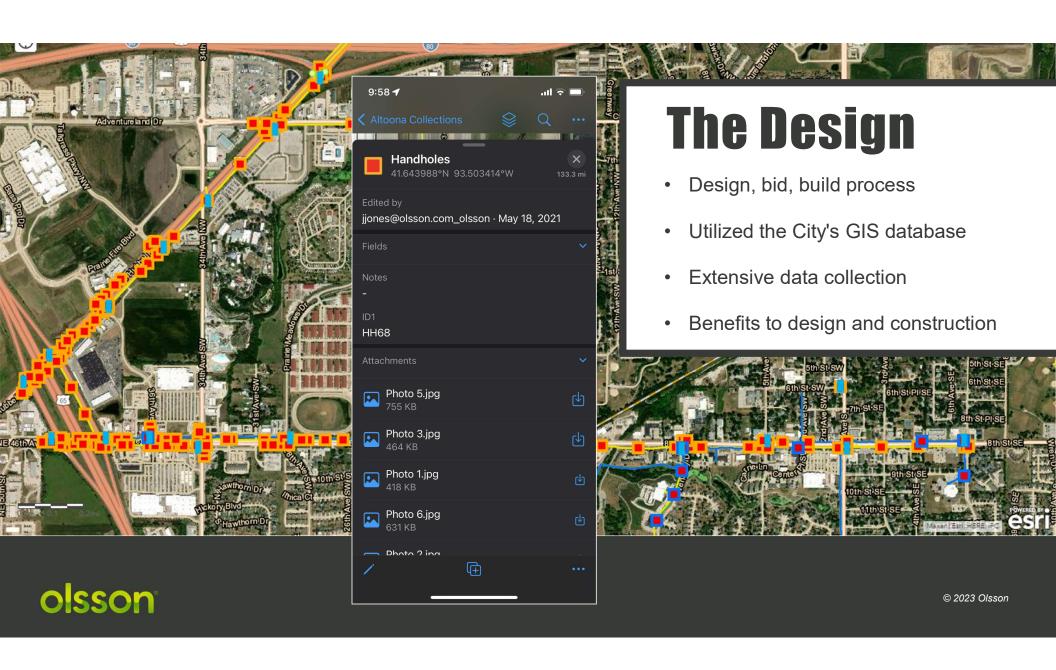
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BH0

[@Blake G. Hansen] the phases are set to come in on click on this one. [@Kara Kosiski] Tagging you too so that way you are aware. I made the adjustments to the lines based on your KMZ file.

Brooke Hilt, 2023-04-27T18:49:05.452



The Support

- Identified the needs for all staffing levels
- Prepare for the future
- Right size the strategy
- Provide the tools and HOW to use them
 - We don't know what we don't know!

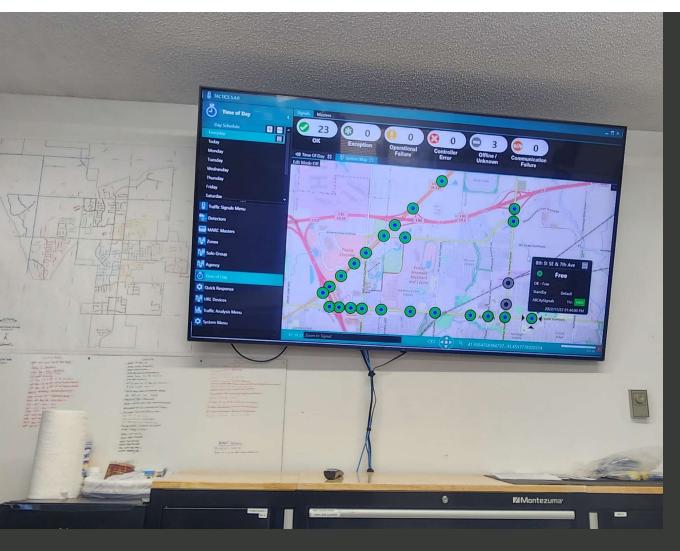
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City of Altoona: Parameter Updates

Comparison of Local Controller Settings (Pedestrian and Vehicle Clearance Intervals)



	iiparison oi Loca	ii Controller Settings (Pedestrian and Venicle	0100011			
#	Intersection	Intersection Geometry		Clearance Intervals		
1	8th St/7th Ave	NBL NBT SBL SBT EBL EBT WBL WBT	Phase Movement E/W	3 4 5 6 7 8 N/S		
2	8th St/1st Ave	NBL NBT SBL SBT EBL EBT WBL WBT	Existing Y AR 3.0 3.0 3.0 3.0 3.0 3.0 Theoretical Clear. 5.2 6.1	5.5 5.7 5.6 6.0 5.7 6.0 0 2.6 3.6 2.1 2.9 2.7 2.8 3.2 2.9 2.8 3.6 2.4 0 2.6 3.6 2.4 3.0 2.7 3.1 3.0 3.0 2.8 3.6 2.4		
3	8th St/5th Ave	NBL NBT SBL SBT EBL EBT WBL WBT Representation width NBT SBL SBT Representation width NBT SBL SBT Representation width NBT SBL SBT Representation NBT SBL SBT Representation NBT SBL SBT Representation NBT SBT SBT SBT SBT SBT SBT SBT SBT SBT S	Existing Y AR 3.0			
4	8th St/Venbury Dr	NBL NBT SBL SBT EBL EBT WBL WBT	Existing Y AR 3.0			
5	8th St/17th Ave	NBL NBT SBL SBT EBL EBT WBL WBT Intersection Width 66 91 63 88 70 76 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 69 79 7	Phase 1 2 Movement EBL WBT Eviction VIAD 20130 50130	3 4 5 6 7 8 SB WBL EBT NB		

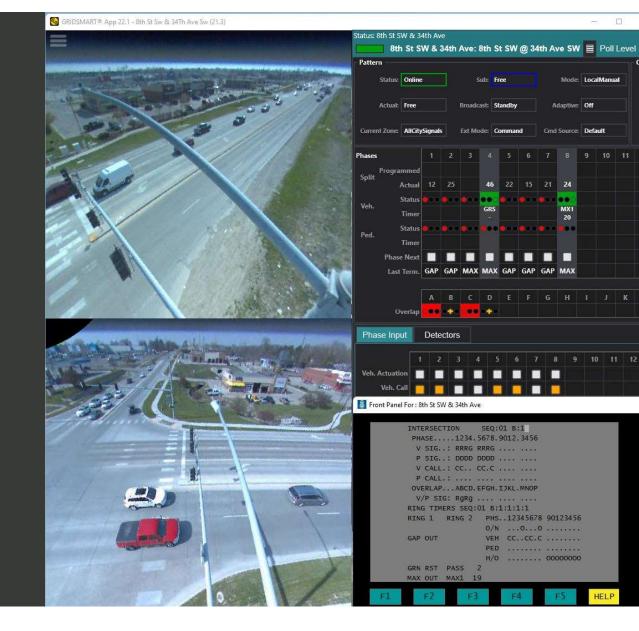


The Integration

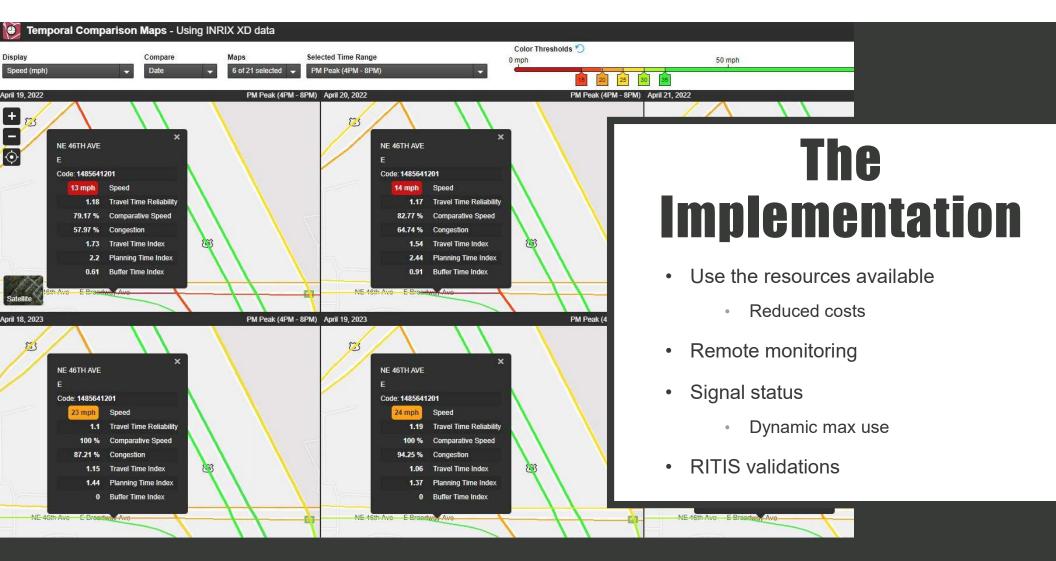
- Support and collaboration
- Ask "the right" questions
- Reorganized for ease of use
 - Get it right at the start
 - System consistency

The Details

- Detection
 - Video zones fine-tuned and located
 - Databases tailored to the implemented infrastructure
- Dynamic Maxes
 - Using detection sources for volumes
 - Responsive to traffic needs







SPEED (MPH)										
Time Period	12:00 AM - 6:30 AM	6:30 AM - 9:00 AM	9:00 AM - 3:30 PM	3:30 PM - 6:00 PM	6:00 PM - 12:00 AM	12:00 AM - 12:00 AM				
TOTAL COMBINED SYSTEM										
Before	30.47	29.25	28.93	27.90	29.95	29.43				
After	32.17	30.84	30.15	29.23	31.16	30.83				
Difference	1.70	1.59	1.22	1.33	1.21	1.40				
Percent Change	6%	5%	4%	5%	4%	5%				
TRAVEL TIME (MIN)										
Time Period	12:00 AM - 6:30 AM	6:30 AM - 9:00 AM	9:00 AM - 3:30 PM	3:30 PM - 6:00 PM	6:00 PM - 12:00 AM	12:00 AM - 12:00 AM				
TOTAL COMBINED SYSTEM										
D C										
Before	40.17	42.24	42.91	44.75	41.00	41.80				
After	40.17 37.94	42.24 40.12	42.91 41.26	44.75 42.95	41.00 39.52	41.80 39.98				
					VA 78804 X					



Contact Us!

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