



WINCHESTER AVENUE REDEFINED

DESIGNING THE TRIFECTA OF SAFETY



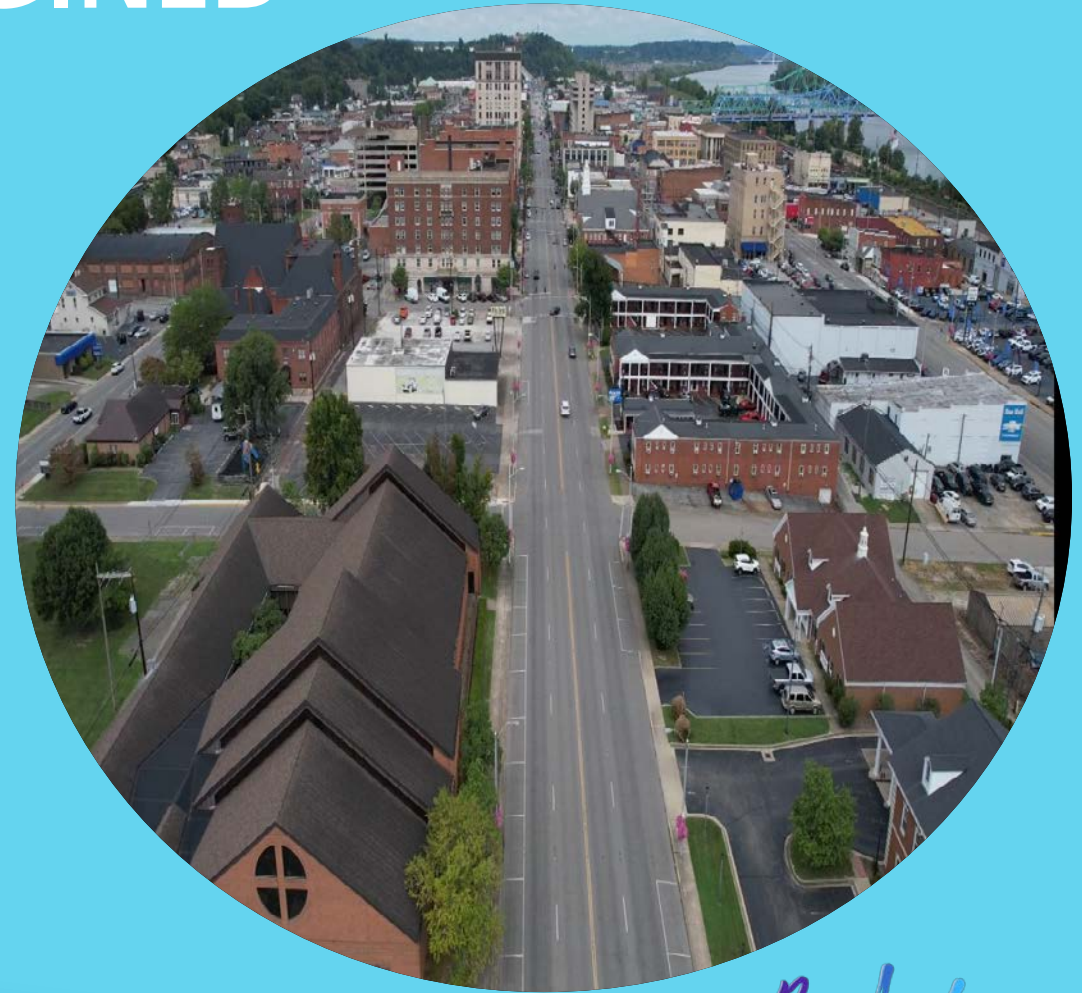
SHIFT HAPPENS - OUR FUTURE RIDES ON IT

- ▶ ROGER BROOKS VISION
- ▶ BROADWAY SQUARE
- ▶ "CREATE WITH US"
- ▶ DOWNTOWN ACTIVITIES



WINCHESTER AVE REIMAGINED

- ▶ 13TH STREET TO 18TH STREET
- ▶ FOUR LANE ROAD
- ▶ PARALLEL PARKING
- ▶ 7,600 ADT
- ▶ SIGNALIZED INTERSECTIONS
- ▶ HIGH SPEEDS



WINCHESTER AVE REIMAGINED

▶ STUDY AREA

- ▶ 7TH STREET TO 32ND STREET
- ▶ INCLUDED GREENUP AND CARTER AVE

▶ TRAFFIC COUNTS

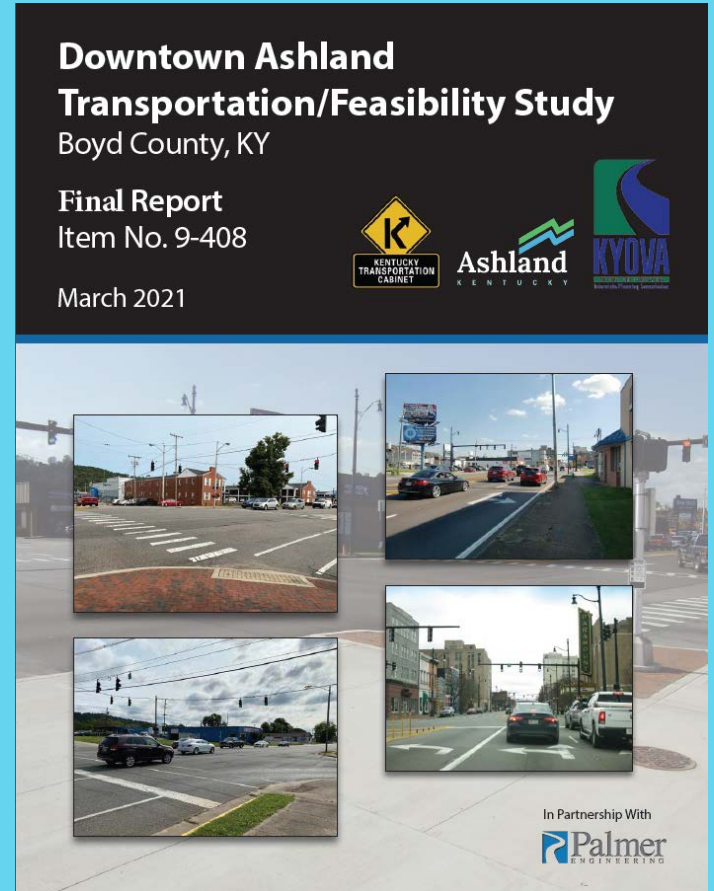
- ▶ 17 INTERSECTIONS
- ▶ COVID EFFECT

▶ LEVEL OF SERVICE & TRAVEL TIME ANALYSIS

- ▶ LOS "A" OR LOS "B"

▶ TRAFFIC FORECASTING

- ▶ KYOVA MODEL



WINCHESTER AVE REIMAGINED

▶ CRASH ANALYSIS (2016-2019)

- ▶ 647 Total Crashes
- ▶ 76 Injury Crashes
- ▶ 1 Fatality Crash
- ▶ 8 Pedestrian Crashes
- ▶ 1 Bicycle Crash



WINCHESTER AVE REIMAGINED

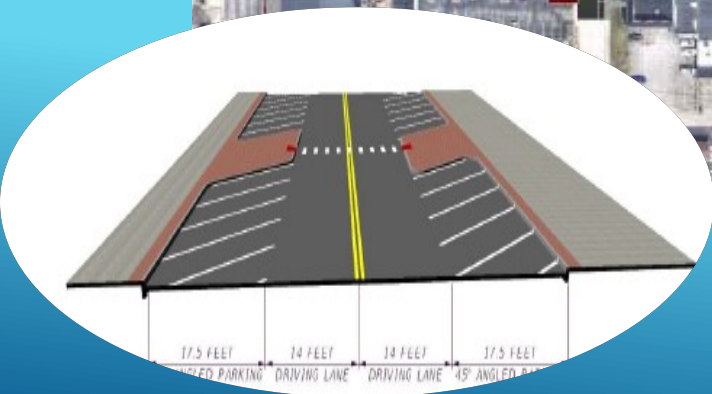
- ▶ PROVIDE A PEDESTRIAN FRIENDLY FACILITY
- ▶ INCREASE PARKING
- ▶ IMPROVE AESTHETICS
- ▶ DECREASE SPEEDS
- ▶ REVITALIZE DOWNTOWN
- ▶ BETTER ACCOMMODATE ACTIVITIES & EVENTS
- ▶ CHANGE 4-LANE SECTION TO 2-LANE SECTION



WINCHESTER AVE REIMAGINED

▶ ALTERNATIVE 1

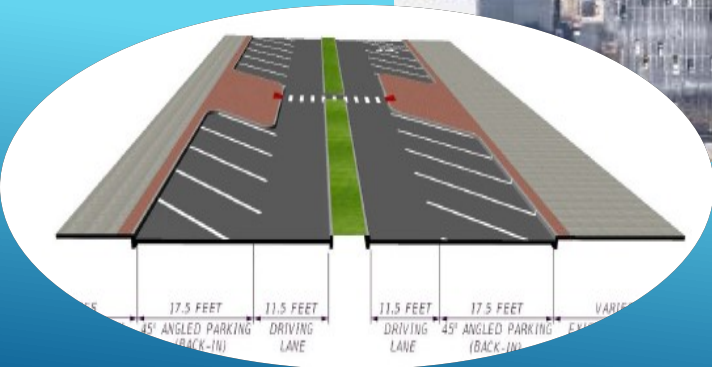
- ▶ SINGLE THRU LANE
- ▶ SIGNALIZED INTERSECTIONS
- ▶ PULL IN ANGLED PARKING



WINCHESTER AVE REIMAGINED

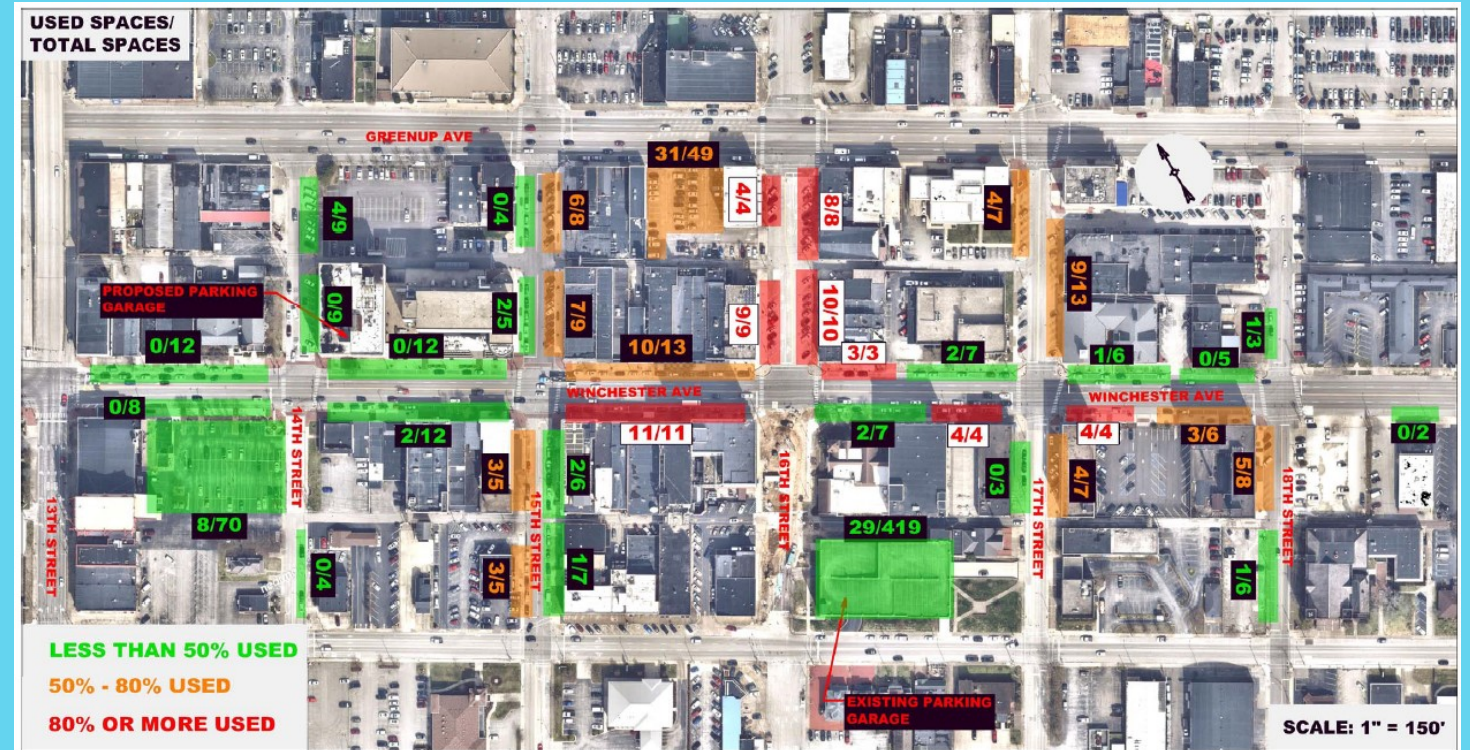
▶ ALTERNATIVE 2

- ▶ SINGLE THRU LANE
- ▶ ROUNDABOUTS
- ▶ REVERSE ANGLE PARKING



WINCHESTER AVE REIMAGINED

- ▶ **PARKING STUDY**
 - ▶ ADAQUATE PARKING
 - ▶ SINGLE AREA UTILIZED
 - ▶ PARKING GARAGE
 - ▶ DEDICATED DELIVERY ZONES



WINCHESTER AVE REIMAGINED

- ▶ PUBLIC MEETINGS
- ▶ BUSINESS OWNERS MEETINGS
- ▶ CITY COMMISSION PRESENTATIONS
- ▶ MAILINGS
- ▶ RENDERINGS



WINCHESTER AVE REIMAGINED

CONSTRUCTION PROGRESS

WINTER 2023



WINCHESTER AVE REIMAGINED

CONSTRUCTION PROGRESS

WINTER 2023



WINCHESTER AVE REIMAGINED

CONSTRUCTION PROGRESS

SPRING 2024



Palmer
ENGINEERING

Ashland CITY OF
KENTUCKY

WINCHESTER AVE REIMAGINED

CONSTRUCTION PROGRESS

SPRING 2024



Palmer
ENGINEERING

Ashland CITY OF
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PROJECT LESSONS – CITY PERSPECTIVE



PUBLIC INVOLVEMENT -PERCEPTION OF NO NOTICE

▶ LEVEL OF INFORMATION

- ▶ Public Meetings - 1 Held
- ▶ Commission Meetings – Study Results Presented 12/15/2022
- ▶ Articles In Local Newspaper - 8 Published
- ▶ City Facebook Page Posts - 2 Posted
- ▶ Emailing To Businesses – 1 Sent
- ▶ Walkabouts With Businesses – As Requested
- ▶ Time Period – Began At Project Conception

▶ LESSON THOUGHTS

- ▶ Never Enough Information
- ▶ Many Choose To Ignore Facts
- ▶ Change Is Hard



PUBLIC ACCEPTANCE – ITS THE END FOR ASHLAND

▶ PUBLIC PERCEPTION AND OPINION

- ▶ Roundabouts Are Too Dangerous And Confusing
- ▶ Five Is Too Many
- ▶ Spending Too Much Money
- ▶ Facebook Frenzy

▶ LESSON THOUGHTS

- ▶ Emphasize Purpose
- ▶ Find Successes
- ▶ Stay On Message
- ▶ Opinions Change Over Time



CONSTRUCTION COST – ABOVE INITIAL BUDGET

▶ FUNDING ADJUSTMENTS

- ▶ Initial Budget - \$5.55M

 - ▶ KYTC - \$2.60M @ 100/0

 - ▶ KYOVA - \$2.36M @ 80/20

 - ▶ COA - \$0.59M

- ▶ Lowest Bid Received - \$7.25 MILLION

 - ▶ Original Estimate \$5.5 MILLION

- ▶ Adjusted Budget - \$7.62 MILLION

 - ▶ KYTC - \$2.6 @ 100/0

 - ▶ KYOVA - \$4.02 @ 80/20

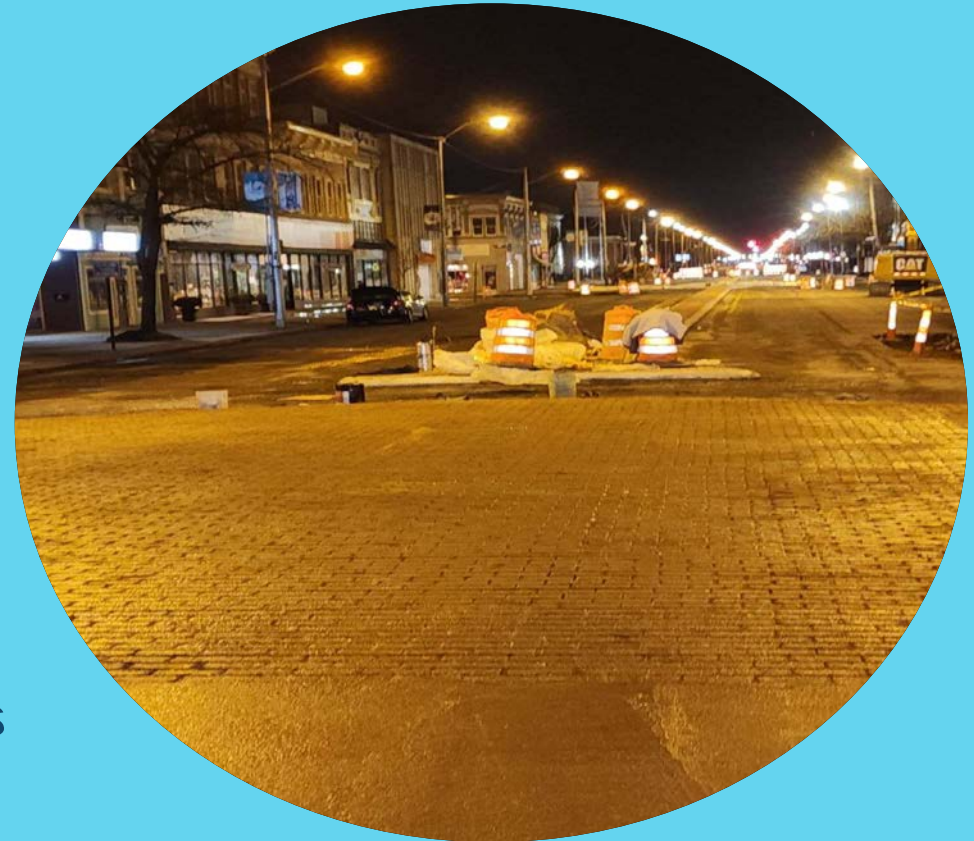
 - ▶ COA - \$1.0M

- ▶ Projected Budget With Identified Change Orders

 - ▶ \$8.52 MILLION – COA Additional \$61K

▶ LESSON THOUGHTS

- ▶ Costs Will Go Up Not Down



CONSTRUCTION ISSUE – BUILDING ACCESSIBILITY

▶ TEMPORARY INCONVENIENCE OF ACCESS

- ▶ Pedestrian Obstacles
- ▶ Gravel Sidewalk Surfaces
- ▶ Altered Walking Path

▶ LESSON THOUGHTS

- ▶ Real Impacts To Businesses
- ▶ Perceived Impacts To Businesses
- ▶ Any Time Is Too Long



CONSTRUCTION ISSUE – STREET CLOSURES

▶ TEMPORARY INCONVENIENCE OF ACCESS

- ▶ Original Plan Half-Block At A Time Slower Process
- ▶ Revised Plan Full-Block / Multi-block At A Time Faster Process
- ▶ Perception Of A Combat Zone
- ▶ ADA Issues
- ▶ Altered Driving Routes
- ▶ Driving Obstacles
- ▶ Reduced Parking
- ▶ Altered Walking Path

▶ LESSON THOUGHTS

- ▶ Real And Difficult Impacts To Businesses And Public



CONSTRUCTION ISSUE – MEDIAN CURBS

▶ SURFACE FINISHES AND ALIGNMENT

- ▶ Different Perceptions
- ▶ Rough Broom Finish –vs- Hand Rubbed Finish

▶ LESSON THOUGHTS

- ▶ Practices Differ From Standards



CONSTRUCTION ISSUE – BASEMENT WATER INTRUSION

▶ WATER INTRUSION FOLLOWING REMOVAL OF EXISTING SIDEWALKS

- ▶ Exposure Of Basement Walls To Surface Water
- ▶ Inadequate Sealing
- ▶ Owner Complaints And Damage Claims
- ▶ Additional Costs - \$80,000 – KYOVA 80/20

▶ LESSON THOUGHTS

- ▶ Downtown Conditions Differ From Standard Road Construction



CONSTRUCTION ISSUE – PAVEMENT MILLING

▶ SIGNIFICANT ADDITIONAL ADJUSTMENTS REQUIRED

- ▶ Early Milling Created Rough Driving Surfaces
- ▶ Over-Excavation Of Pavement Required For Adjustments
- ▶ Re-Milling Required For Adjustments
- ▶ Unplanned Additional Traffic And Parking Impacts
- ▶ Additional Costs - \$227,000 – KYTC 100/0

▶ LESSON THOUGHTS

- ▶ Better Final Grade Establishment Within Plan



CONSTRUCTION ISSUE – ELECTRICAL SYSTEMS ADJUSTMENT

▶ ADJUSTMENTS AND RECONFIGURATIONS REQUIRED

- ▶ Some Overhead Electrical Wires Will Remain
- ▶ Electrical Wiring Reconfigurations
- ▶ Equipment Adjustments Required Private Easement
- ▶ Private Property Owner's Cooperation
 - ▶ Influenced By Other Construction Issues
- ▶ Additional Costs - \$64,000 – KYOVA 80/20



▶ LESSON THOUGHTS

- ▶ Better Electrical Equipment And Wiring Establishment Within Plan

CONSTRUCTION ISSUE – SIDEWALKS OVER BASEMENTS

▶ MAJOR RECONFIGURATIONS REQUIRED

- ▶ Planned 4-inch Sidewalk Inadequate For Span Conditions
- ▶ Unplanned Owner Inconveniences And Costs
- ▶ Owner Displeasure
- ▶ Additional Costs - \$112,000 – KYTC 100/0 And KYOVA 80/20

▶ LESSON THOUGHTS

- ▶ Better Configuration Determination During Design And Establishment Within Plan



CONSTRUCTION ISSUE – SIDEWALK & GUTTER DRAINAGE

▶ PONDING WATER

- ▶ Standing Water At Building Entrances
- ▶ Standing Water Within Curb And Gutter Sections
- ▶ Owner Complaints
- ▶ Rework Of Constructed Sidewalks And Gutters

▶ LESSON THOUGHTS

- ▶ Better Configuration Determination During Design And Establishment Within Plan



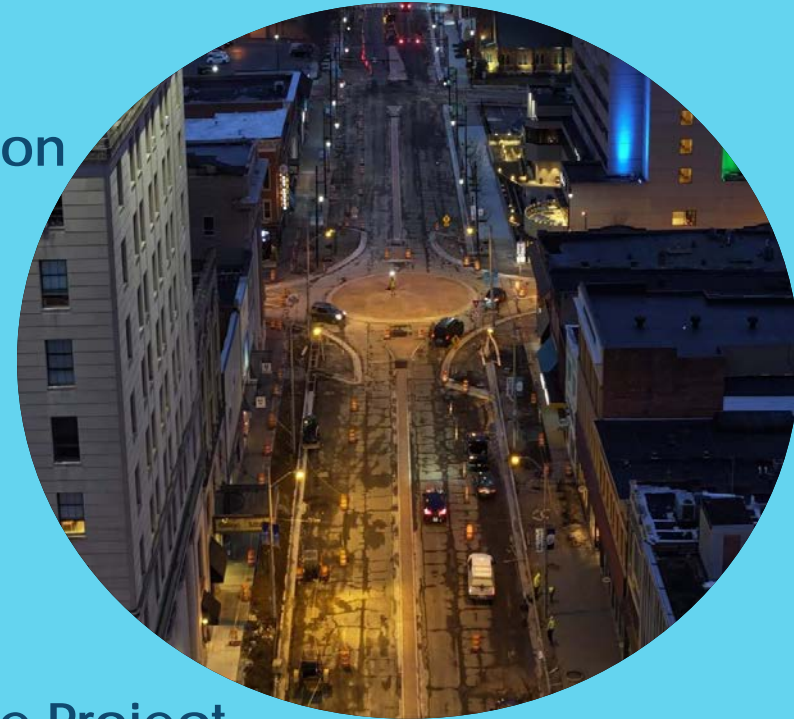
CONSTRUCTION ISSUE – COMMUNICATIONS

▶ INFORMATION DISTRIBUTION

- ▶ Meetings And Discussions Occurred Without COA Invitation
- ▶ Daily Text Message Update Lost Substance
- ▶ Bi-weekly Meetings –vs- Weekly Meetings

▶ LESSON THOUGHTS

- ▶ Shorter More Frequent Meeting Greater Benefit
- ▶ There Are Lifecycles On Communication Forms During The Project





QUESTIONS

