CITY OF TULSA
YALE AVE. WIDENING – 81ST TO 91ST
IMPROVE OUR TULSA
PROJECT 144101

PRE-CONSTRUCTION PUBLIC MEETING

SEPT. 28TH, 2021
YALE AVE. WIDENING – 81ST TO 91ST
PRE-CONSTRUCTION PUBLIC MEETING
- IMPROVE OUR TULSA PROJECT 144101 -
YALE AVE. WIDENING – 81ST TO 91ST
PRE-CONSTRUCTION PUBLIC MEETING
- OVERVIEW -

• INTRODUCTIONS
• DISTRICT 8 COUNCILOR REMARKS
• OVERVIEW OF PROJECT ELEMENTS
• CONSTRUCTION PHASING
• QUESTION & ANSWER SESSION
• NOTE: MEETING WILL BE RECORDED IN ORDER TO ENSURE ALL QUESTIONS & COMMENTS ARE ACCURATELY CAPTURED FOR REVIEW AND RESPONSE.
YALE AVE. WIDENING – 81ST TO 91ST
PROJECT TEAM

• DESIGN TEAM:
  • CITY OF TULSA - TRANSPORTATION DESIGN
    • DESIGN LEAD ENGINEER: DOUG HELT, P.E., S.E.
    • DESIGN PROJECT MANAGER: PATTY PARKS, E.I.
  • DESIGN CONSULTANT: BENHAM ENGINEERS
    • JARED PODOLNY, P.E.
    • KAREN JONES, P.E.
YALE AVE. WIDENING – 81ST TO 91ST
PROJECT TEAM

• CONSTRUCTION TEAM:
  • CITY OF TULSA - FIELD ENGINEERING
    • CONSTRUCTION MANAGER: ELLIOTT STILES, P.E., CFM
    • CONSTRUCTION INSPECTION MANAGER: JEREMY STAHLÉ, P.E. (CEC)
    • CONSTRUCTION INSPECTOR: STEVE MEDINA (HNTB)
  • PRIME CONTRACTOR: BECCO CONTRACTORS
    • PROJECT MANAGER: RYAN FRANSISCO
    • SUPERINTENDENT (GENERAL): ALVIN ATKINSON
    • SUPERINTENDENT (RETAINING WALLS): MIKE TOWNSON
YALE AVE. WIDENING – 81ST TO 91ST
DISTRICT 8 COUNCILOR REMARKS

• DISTRICT 8 COUNCILOR: PHIL LAKIN
QUESTIONS & COMMENTS:

- DURING PRESENTATION, FEEL FREE TO ADD QUESTIONS & COMMENTS TO THE CHAT. THESE WILL BE ADDRESSED, ONE-AT-A-TIME, AT THE END OF THE PRESENTATION.

- FORMAT: [NAME]: QUESTION/COMMENT
YALE AVE. WIDENING – 81\textsuperscript{ST} TO 91\textsuperscript{ST}
OVERVIEW OF PROJECT ELEMENTS

• **BUDGET:**
  • CONTRACT AMOUNT: $29,257,000.00
  • FUNDING SOURCE:
    • IMPROVE OUR TULSA - PACKAGE 1

• **TIMELINE:**
  • CONTRACT DURATION: 670 DAYS
  • CONTRACT START: OCT 25, 2021
  • PROJECTED COMPLETION: AUG 26, 2023
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• ROADWAY:
  • RECONFIGURATION OF YALE AVE.
    • CURRENT LAYOUT:
      • 2 DRIVING LANES
      • NO SIDEWALKS
      • STEEP DROP-OFFS
      • TIGHT CURVES
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• ROADWAY:
  • RECONFIGURATION OF YALE AVE.

• POST-PROJECT:
  • 6 DRIVING LANES (9”-THICK CONCRETE) – DIVIDED BY RAISED, LANDSCAPED CENTER MEDIAN WITH DEDICATED LEFT TURN BAYS
    • IMPROVED CAPACITY FOR HIGHER TRAFFIC VOLUMES
    • SAFER TURNING MOVEMENTS
  • SIDEWALKS (6’-WIDE) ON BOTH SIDES OF YALE AVE.
  • SMOOTH GRADING BETWEEN STREET AND RETAINING WALLS WILL ELIMINATE DROP-OFFS
  • TIGHT CURVES – TO BE FLATTENED FOR IMPROVED SIGHT DISTANCE
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• RETAINING WALLS:
  • ELEMENTS:
    • PIERS (DRILLED SHAFTS) – DRILLED INTO GROUND AND FILLED WITH REINFORCED CONCRETE
      • DEPTHS RANGE FROM LESS THAN 10’ TO MORE THAN 50’ DEEP
      • DIAMETER: 30” (SPACED ABOUT 4’ TO 6’ APART); 60” (SPACED 10’ TO 12’ APART)
    • GRADE BEAMS – REINFORCED CONCRETE BEAM RUNNING FROM PIER-TO-PIER
    • RETAINING WALL – REINFORCED CONCRETE WALL, HOLDING SOIL IN PLACE
      • HEIGHTS RANGE FROM LESS THAN 5’ TO MORE THAN 25’ TALL
    • SCREENING WALL – TOP PORTION OF WALL SYSTEM W/ DECORATIVE SURFACE TREATMENT
      • HEIGHTS GENERALLY 8’, 9’ AND 10’
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• RETAINING WALLS:

  • FOUR DIFFERENT WALL TYPES:
    • TYPE 1: CONVENTIONAL CONCRETE RETAINING WALL W/ SCREENING WALL (NO PIERS)
    • TYPE 2: SCREENING WALL ON DRILLED SHAFTS (SMALLEST TYPE)
    • TYPE 3: DRILLED SHAFT RETAINING WALL
    • TYPE 4: SLOPE STABILIZATION WALL (LARGEST TYPE)
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• RETAINING WALLS:
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

- RETAINING WALLS:
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• **STORMWATER:**
  
  • TWO NEW DRAINAGE MAINS:
    
    • **NORTH SLOPE**
      
      • FROM 85TH TO 81ST
      • PIPE SIZES UP TO 36" DIAMETER
    
    • **SOUTH SLOPE**
      
      • FROM 91ST TO 85TH
      • PIPE SIZES UP TO 36" DIAMETER
  
  • OVERALL SYSTEM DESIGNED FOR 100-YEAR STORM (1% CHANCE) CAPACITY
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• WATERLINE:
  • NEW WATERLINE MAIN
    • WILL RUN ALONG EAST SIDE OF YALE AVE.
    • SIZE OF MAIN 12” & 16”
  • NEW 8” WATERLINE LATERALS TO NEIGHBORHOOD SYSTEMS
YALE AVE. WIDENING – 81ST TO 91ST
OVERVIEW OF PROJECT ELEMENTS

• SANITARY SEWER:
  • SMALL AMOUNT OF SEWER TO BE INSTALLED NEAR SIGNAL HILL ENTRANCE (84TH ST.) IN ORDER TO ACCOMMODATE A RETAINING WALL.
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- OVERVIEW -

• CONSTRUCTION TO BEGIN OCTOBER 25TH, 2021 AND TAKE PLACE IN FOUR PHASES.

• EACH PHASE WILL INCLUDE A COMBINATION OF CONSTRUCTION TYPES, INCLUDING:
  • ROADWAY (INCLUDES SIDEWALKS, RAISED MEDIANS, LANDSCAPING)
  • RETAINING WALLS
  • WATERLINE
  • STORM SEWER
  • SANITARY SEWER

• IMPORTANT NOTE: DATES PROVIDED IN THIS PRESENTATION ARE BASED ON THE BASELINE SCHEDULE AND ARE, THUS, SUBJECT TO CHANGE IF UNFORESEEN CONDITIONS ARISE DURING CONSTRUCTION.
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- **START**: OCT-2021
- **END**: JAN-2022
- **DURATION**: APPROXIMATELY 4 MONTHS
- **TRAFFIC**: NORMAL OPERATIONS – ALL LANES OPEN
- **ROADWAY**: N/A
- **RETAINING WALLS**: ‘F’ (TYPE 4 – BROOKWOOD II – "THE BIGGIN")
- **WATERLINE**: ‘D’ (ALONG WALL ‘F’); ‘K’ (TEMP LINE); ‘M’ (TEMP LINE TO SIGNAL HILL @ 84TH)
- **STORM SEWER**: N/A
- **SANITARY SEWER**: N/A
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 1 –
YALE AVE. WIDENING – 81\textsuperscript{ST} TO 91\textsuperscript{ST}
CONSTRUCTION PHASING
- PHASE 2 –

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- **START:** JAN-2022
- **END:** MAY-2022
- **DURATION:** APPROXIMATELY 4 MONTHS
- **TRAFFIC:** FULL CLOSURE TO THRU TRAFFIC – ALL LANES CLOSED – LOCAL TRAFFIC MAY PASS
- **ROADWAY:** SOUTHBOUND PERMANENT AND TEMP PAVEMENT (CANYON CREEK; BROOKWOOD)
- **RETAINING WALLS:** ‘A’ (SOUTH OF 87\textsuperscript{TH} PL); ‘B’ (CANYON CREEK); ‘C’ (CATE PROPERTY – SOUTH ¼); ‘E’/‘F’ (BROOKWOOD); ‘M’ (CATE PROPERTY)
- **WATERLINE:** ‘B’ (ALONG WALL ‘A’); ‘F’ (88\textsuperscript{TH} PL. TO SOUTHERN POINTE)
- **STORM SEWER:** SOUTH SLOPE MAIN (89\textsuperscript{TH} TO 87\textsuperscript{TH}); NORTH SLOPE MAIN (84\textsuperscript{TH})
- **SANITARY SEWER:** N/A
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 2 -
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 3 –

IMPORTANT NOTE: DATES PROVIDED IN THIS PRESENTATION ARE BASED ON THE BASELINE SCHEDULE AND ARE, THUS, SUBJECT TO CHANGE IF UNFORESEEN CONDITIONS ARISE DURING CONSTRUCTION.

- **START:** MAY-2022
- **END:** FEB-2023
- **DURATION:** APPROXIMATELY 10 MONTHS
- **TRAFFIC:** TWO-WAY TRAFFIC IN SOUTHBOUND LANES
- **ROADWAY:** NORTHBOUND PERMANENT PAVEMENT (S.E.G.; SOUTHERN POINTE; SIGNAL HILL; VINTAGE); RAISED MEDIANS
- **RETAILING WALLS:** ‘G’ (SOUTH OF 88TH PL); ‘H’ (SOUTHERN POINTE); ‘J’ (SIGNAL HILL – 84TH TO 87TH); ‘K’ (SIGNAL HILL – 84TH TO VINTAGE DRIVEWAY); ‘L’ (NORTH OF VINTAGE DRIVEWAY); ‘N’ (SIGNAL HILL AT 87TH)
- **WATERLINE:** ‘A’ (16” MAIN ALONG EAST SIDE OF YALE); ‘G’ (LATERAL TO SOUTHERN POINTE AT 87TH); ‘H’ (LATERAL TO BROOKWOOD AT NEW 85TH); ‘J’ (LATERAL TO SIGNAL HILL AT 84TH); ‘K’ (LATERAL TO VILLAGE PARK); ‘L’ (LATERAL TO VINTAGE); ‘M’ (TEMP LINE TO SIGNAL HILL AT 84TH)
- **STORM SEWER:** SOUTH SLOPE MAIN & LATERALS; NORTH SLOPE MAIN & LATERALS
- **SANITARY SEWER:** SIGNAL HILL AT 84TH
IMPORTANT NOTE: DATES PROVIDED IN THIS PRESENTATION ARE BASED ON THE BASELINE SCHEDULE AND ARE, THUS, SUBJECT TO CHANGE IF UNFORESEEN CONDITIONS ARISE DURING CONSTRUCTION.

- **START:** FEB-2023
- **END:** AUG-2023
- **DURATION:** APPROXIMATELY 7 MONTHS
- **TRAFFIC:** TWO-WAY TRAFFIC IN NORTHBOUND LANES
- **ROADWAY:** SOUTHBOUND PERMANENT PAVEMENT (BALANCE); NEW 85TH ST. ENTRANCE TO BROOKWOOD; RAISED MEDIANS & LANDSCAPING
- **RETAINING WALLS:** ‘C’ (CATE PROPERTY – NORTH ¾); ‘D’ (BROOKWOOD)
- **WATERLINE:** N/A
- **STORM SEWER:** MEDIAN LATERALS
- **SANITARY SEWER:** N/A
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING

- PHASE 4 -
GROVE PLANTING:
*FRONT: 8 OKLAHOMA REDBUDS; 5 EASTERN WHITEBUDS
*BACK: 22 LOBLOLLY PINES
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 4 –
LANDSCAPING – TREE PLANTINGS

• GREEN GABLE
  BLACK GUM
• MAIN STREET
  SHANTUNG MAPLE
• TRIDENT MAPLE
• CHINESE PISTACHE
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 4 -
LANDSCAPING – TREE PLANTINGS

• BALD CYPRESS

• OKLAHOMA REDBUD

• EASTERN WHITEBUD

• LOBLOLLY PINE
YALE AVE. WIDENING – 81^ST^ TO 91^ST^ CONSTRUCTION PHASING - PHASE 4 – LANDSCAPING – MEDIAN SHRUB PLANTINGS

- RED YUCCA
- COASTAL MUHLY GRASS
- “ANTHONY WATERER” SPIREA
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 4 –
LANDSCAPING – MEDIAN SHRUB PLANTINGS

• KARL FOERSTER
  FEATHER REED GRASS

• PURPLE EXPLOSION
  LILYTURF (LIRIOPE)

• BLUE ZINGER
  SEDGE
YALE AVE. WIDENING – 81ST TO 91ST
CONSTRUCTION PHASING
- PHASE 4 -
LANDSCAPING – MEDIAN SHRUB PLANTINGS

- PRAIRIE DROPSEED
- WALKER’S LOW CATMINT
- LITTLE SPIRE RUSSIAN SAGE

- AND MANY MORE…..
YALE AVE. WIDENING – 81ST TO 91ST
QUESTION & ANSWER SESSION

• QUESTIONS?
  • FEEL FREE TO INSERT QUESTIONS & COMMENTS IN THE CHAT.
  • FORMAT: [NAME]: QUESTION/COMMENT.
YALE AVE. WIDENING – 81ST TO 91ST
CLOSE OF MEETING

• THANK YOU FOR JOINING US!

• CONSTRUCTION CONTACTS:
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