COMMITTEE MEMBERS
Sarah Allen, Chair
Ana Villalobos, Vice Chair
Michelle Hernandez
David E Pitman

Civic Center
1950 Parkside Drive
Concord, CA 94519
www.cityofconcord.org

AGENDA
Bicycle and
Pedestrian Advisory
Committee Meeting

Wednesday, September 9, 2020 6:00 p.m.
Various telephonic/electronic locations (see below)

CORONAVIRUS DISEASE (COVID-19) ADVISORY WARNING
STAY SAFE, STAY HEALTHY, STAY HOME

The Contra Costa County Health Department has ordered individuals in Contra Costa County to
"shelter in place". The California Department of Public Health issued its "Mass Gatherings Guidance on
Novel Coronavirus or COVID-19" followed by a recommendation that certain gatherings in California be
postponed or canceled. The Governor of the State of California issued Executive Order N-25-20 which,
among other things, orders that all California residents are to “... heed any orders and guidance of
state and local public health officials, including but not limited to the imposition of social distancing
measures, to control the spread of COVID-19” and pursuant to Executive Order N-33-20 has ordered
all individuals in California to stay home or at their place of residence with very limited exceptions. That
means residents must obey State, County, and City of Concord rules and guidelines.

City of Concord Rules: The City of Concord has declared a local state of emergency due to COVID-
19 and is closed to the public. City of Concord officials and staff will conduct this meeting telephonically
or otherwise electronically. The City will not make available any physical location from which members
of the public may observe the meeting and offer public comment remotely.

To view the meeting remotely
Join Zoom Meeting
https://cityofconcord.zoom.us/j/97566877277?pwd=aG5LcGwxVlJaTUpLZzJieVZ0WE9BUT09

Meeting ID: 975 6687 7277
Password: 013246

Dial by your location
+1 669 900 6833 US (San Jose)
+1 346 248 7799 US (Houston)
+1 253 215 8782 US (Tacoma)
+1 312 626 6799 US (Chicago)
+1 929 436 2866 US (New York)
+1 301 715 8592 US (Germantown)
888 475 4499 US Toll-free
How to Submit Public Comments:
Written: All comments received before 3:00 pm the day of the meeting will be posted on the City’s website as “Correspondence” under the relevant agenda item and provided to the Committee members at the meeting. Please email your comments to Zeelaura.page@cityofconcord.org.

AGENDIZED ITEMS – The public is entitled to address the Committee on items appearing on the agenda before or during the Committee’s consideration of that item. Each speaker will be limited to approximately three minutes. Please see “How to Submit Public Comments” above.

1. ROLL CALL

2. PUBLIC COMMENT PERIOD

3. APPROVAL OF July 9, 2020 ANNOTATED MINUTES

4. REPORTS
   a) Pavement Maintenance - Zone 4 (Project No. 2444) Presented by Ali Hatefi, PE, Associate Civil Engineer

5. INFORMATION
   a) Proposition 68-Statewide Park Development and Community Revitalization Program (SPP) grant application- Ellis Lake Park

6. COMMITTEE ANNOUNCEMENTS/COMMENTS

7. ADJOURNMENT

Next Meeting: December 9, 2020

ADA NOTICE AND HEARING IMPAIRED PROVISIONS
In accordance with the Americans with Disabilities Act and California Law, it is the policy of the City of Concord to offer its public programs, services and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are disabled and require a copy of a public hearing notice, or an agenda and/or agenda packet in an appropriate alternative format; or if you require other accommodation, please contact the ADA Coordinator at (925) 671-3243, at least five days in advance of the hearing. Advance notification within this guideline will enable the City to make reasonable arrangements to ensure accessibility.

Distribution: Kevin Marstall, City Engineer
Committee Members:
Sarah Allen, Chair
Ana Villalobos, Vice Chair
Michelle Hernandez
David E Pitman

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1950 Parkside Drive
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Concord

Annotated Agenda
Bicycle and Pedestrian Advisory Committee Meeting
Thursday, July 9, 2020
6:00 p.m.
Virtual Meeting

The Contra Costa County Health Department has ordered individuals in Contra Costa County to "shelter in place". The California Department of Public Health issued its "Mass Gatherings Guidance on Novel Coronavirus or COVID-19" followed by a recommendation that certain gatherings in California be postponed or canceled. The Governor of the State of California issued Executive Order N-25-20 which, among other things, orders that all California residents are to " . . . heed any orders and guidance of state and local public health officials, including but not limited to the imposition of social distancing measures, to control the spread of COVID-19" and pursuant to Executive Order N-33-20 has ordered all individuals in California to stay home or at their place of residence with very limited exceptions. That means residents must obey State, County, and City of Concord rules and guidelines.

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Agendized Items – The public is entitled to address the Committee on items appearing on the agenda before or during the Committee’s consideration of that item. Each speaker will be limited to approximately three minutes.

1. Roll Call
   Members Present: Sarah Allen, Chair, Michelle Hernandez and David Pitman
   Member Absent: Ana Villalobos, Vice Chair

2. Staff Present: Kevin Marstall, Bernard Enrile, Abhishek Parikh, Virendra Patel, Tianjun Cao, Ali Hatefi, and ZeeLaura Page

3. Public Comment Period
   There was no public comment.

4. Approval of March 11, 2020 Annotated Minutes
   Action: Approved 3-0
5. INFORMATION
   a) West Concord/Iron Horse Trail Connection Project (Project No. 2499)
      informational written response provided by Tianjun Cao, PE, Associate Civil
      Engineer

      Mr. Cao, shared the comments were collected by City Staff related to the project during the
BPAC meeting on March 11, 2020.

6. REPORTS
   a) East Downtown Concord PDA Access & Safe Routes To Transit (Project No. 2457) Presented by Bernard Enrile, PE, Senior Civil Engineer

      This project consists of sidewalk gap closures within and to/from the Downtown
      Concord PDA that provide access to the BART Station, PDA, bus stops, schools, and
      parks, including on two segments of Parkside Drive, two segments on The Alameda,
      one segment on 6th Street, one segment on Bonifacio Street, and one segment on
      Salvo Street, totaling 4,520 feet of new sidewalk in locations where no sidewalk exists
      today. The project also includes 1.4 miles of new bicycle routes on Parkside Drive,
      Alameda and 6th Street. Mr. Enrile presented to the Bicycle and Pedestrian Advisory
      Committee for review of the 35% design and proposed improvements.

      ACTION: Approved 3-0

7. COMMITTEE ANNOUNCEMENTS/COMMENTS
   There was no committee comments.

8. ADJOURNMENT

Next Meeting: September 9, 2020

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Coordinator at (925) 671-3243, at least five days in advance of the hearing. Advance notification within this
guideline will enable the City to make reasonable arrangements to ensure accessibility.

Distribution: Kevin Marstall, City Engineer
Pavement Maintenance – Zone 4 (Project No. 2444) project will focus on pavement maintenance treatments in a residential area by Walnut Country, east of Cowell Road, adjacent to and including North Larwin Avenue and South Larwin Avenue. Pavement treatment such as a thin overlay of asphalt will be considered. Work will also include the upgrade of curb ramps to meet American with Disability Acts (ADA) compliance standards, asphalt pothole repairs, and restriping with bike lanes. Project No. 2444 is funded by Measure Q, Measure J, and gas taxes.

The project design is at 95% completion and is scheduled to go out for construction bids by middle of October when the market is more competitive, and attract contractors who are ready to schedule paving construction projects in 2021. Staff is presenting the project plans to the Bicycle and Pedestrian Advisor Committee and seeking input regarding the inclusion of bike lanes in North Larwin Avenue and South Larwin Avenue, and new crosswalks at the intersection of Cowell Road/Limeridge Drive/South Larwin Avenue.
**Project Background**

On April 24, 2018, City Council approved the proposed Five-Year Pavement Expenditure plan, which included Pavement Maintenance – Zone 4 (Project No. 2444) as part of the FY 2018-19 and FY 2019-20 Capital Improvement Plan paving projects.

On May 8, 2018, City Council adopted the Fiscal Year 2018-2020 Biennial Capital Budget, which included appropriations of $1,583,000 for Project No. 2444.

On September 25, 2018, City Council approved the Agreement for Professional Services with Pavement Engineering, Inc. to provide design services for Project No. 2444.

On May 29, 2019, City Council transferred $1,343,000 of construction funds from Project No. 2444 to help fund the construction of the Citywide Arterial and Collector Slurry Seal (Project No. 2458) project.

On June 2, 2020, City Council adopted the Fiscal Year 2020-2022 Biennial Capital Budget, which included appropriations of $3,630,000 to construct the improvements for Project No. 2444.

On August 24, 2020, Staff held a virtual open house community meeting to provide a brief presentation, answer questions about the project, and solicit input to consider for final design.

**Project Description**

Pavement Maintenance – Zone 4 (Project No. 2444) project will focus on pavement maintenance treatments in a residential area by Walnut Country, east of Cowell Road, adjacent to and including North Larwin Avenue and South Larwin Avenue. Pavement treatment such as a thin overlay of asphalt will be considered. Work will also include the upgrade of curb ramps to meet American with Disability Act (ADA) compliance standards, asphalt pothole repairs, and restriping with bike lanes. Project No. 2444 is funded by Measure Q, Measure J, and gas taxes.

The goal of both projects is to maintain and resurface streets in a residential area that is closest to crossing the critical point of more costly treatments such as pavement rehabilitation or pavement reconstruction. Streets selected for maintenance would need a treatment that is more robust than a slurry seal in order to provide a more cost effective and longer lasting treatment.

**Discussion**

Design for Pavement Maintenance – Zone 4 (Project No. 2444) project started in September 2018 and is now 95% complete. Attachment 1 provides the map and list of streets to be included as part of Project No. 2444. The improvements for the project will also require the upgrades of curb ramps to meet American with Disability Act (ADA) standards, and will also include the restoration of striping after full width paving.
Staff reviewed the location of the Project No. 2444 in conjunction with the City’s Bicycle, Pedestrian and Safe Routes to Transit Plan, adopted in September 2016 (Plan). Based on the recommendations prioritized in the Plan, the following bicycle and pedestrian improvements are recommended for the area of Project No. 2444:

- **Class III Bike Routes (existing) at the following locations:**
  - North Larwin Avenue – Cowell Road to Corkwood Circle
  - South Larwin Avenue – North Larwin Avenue to Oakbrook Court

- **Sidewalks at the following locations:**
  - North Larwin Avenue – Smoke Tree Court to Maple Court (north side)
  - South Larwin Avenue – West end of North Larwin Avenue to East end of North Larwin Avenue (south side)

Staff reviewed the existing street configuration, parking, and lane widths on North Larwin and South Larwin Avenue. While the Plan does not recommend constructing bike lanes, the community identified North Larwin Avenue and South Larwin Avenue. Therefore, Staff recommends constructing bike facilities that currently do not exist within the project limits of North Larwin and South Larwin Avenue. The recommendations for improvements include the following:

- **Buffered Bike Lanes:**
  - North Larwin Avenue: Cowell Road to South Larwin Avenue, Arrowwood Circle to Corkwood Circle
  - South Larwin Avenue: Wildberry Court to Lawson Court

- **Class III Bike Routes:**
  - North Larwin Avenue: South Larwin Avenue to Arrowwood Circle

- **Buffered Bike Lane (southbound direction) and Class III Bike Route (northbound direction):**
  - South Larwin Avenue: North Larwin Avenue to Wildberry Court

The design will result in narrowing street lanes widths where buffered bike lanes are proposed. Staff recommends not eliminating parking at any locations since the project is located in a residential area, however proposes an enhance sharrow detail on the Class III Bike Route section to provide a transition between the buffered bike lane sections of North Larwin Avenue. An exhibit showing the location and detail of each bike lane section is included in Attachment 3.

Staff reviewed the Plan for sidewalks to construct at North Larwin Avenue and South Larwin Avenue, and recommend not to include them as part of Project 2444 improvements since they are considered low priority (Tier 3) in the Plan and are also cost prohibited. The proposed pavement improvements for Project No. 2444 will not conflict nor prohibit the construction of new sidewalks.
Pedestrian improvements to be included but not recommended in the Plan include constructing new crosswalks and curb ramps at the intersection of Cowell Road/Limeridge Drive/South Larwin Avenue. A detail drawing for the proposed improvements is provided in Attachment 4.

Due to the schedule of preparing the project for construction bids by middle of October, Staff is unable to make major edits and revisions to the design. Staff will accept design input and will determine if any feasible changes can be made within the project budget and schedule.

**Recommended Action**
Provide input to Staff for the Pavement Maintenance – Zone 4 (Project No. 2444) to consider for conformity with the City’s Bicycle, Pedestrian, and Safe Routes to Transit Plan.

**Public Contact**
The Bicycle and Pedestrian Advisory Committee Agenda was posted.

**Attachments**
1. Project Location Map
2. 90% Striping Plans
3. Bike Facility Sections
4. Pedestrian Improvements at Cowell Road/Limeridge Drive/South Larwin Avenue
PROJECT LOCATION MAP

Pavement Maintenance—Zone 4
City Project No. 2444
GENERAL NOTES:
1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST CITY OF CONCORD STANDARD PLANS AND SPECIFICATIONS, AND SUBJECT TO INSPECTION BY THE CITY OF CONCORD ENGINEERING DIVISION.
2. AT LEAST ONE SET OF APPROVED PLANS SHALL BE ON THE SITE AT ALL TIMES FOR INSPECTION.
3. IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO NOTIFY THE EXISTENCE OF ANY AND ALL UNDERGROUND FACILITIES, WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF HIS OPERATIONS. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT USA AT (811) 72 HOURS PRIOR TO ANY EXCAVATION WORK TO BE PERFORMED.
4. ALL EARTH MOVEMENT, EXCAVATION, AND BACKFILL OPERATIONS WITHIN 5 FEET OF EXISTING WATER LINES, GAS LINES, OR SANITARY LINES SHALL BE PERFORMED WITHIN 24-HOUR NOTICE TO THE CITY OF CONCORD WATER DEPARTMENT.
5. IN EXISTING WALLS OR FENCES SHALL BE PROTECTED AND MENDED, AND ANY DAMAGES CAUSED SHALL BE ALLOWED FOR.
6. IT SHALL BE UNDERSTOOD THAT THE TERM “CITY ENGINEER” AS USED HEREIN IS THE CITY ENGINEER OF THE CITY OF CONCORD OR HIS AUTHORIZED REPRESENTATIVE.
7. THE CONTRACTOR AGREES, THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, TO ASSUME ALL AND HEREFORTH RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND DESIRE, JUDGMENT, AND DECISION OF THE DESIGN PROFESSIONAL.
8. THE CONTRACTOR SHALL PROVIDE EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS AT THE JOB SITE.
9. THE CONTRACTOR SHALL NOT DISBURSE OR DESTROY ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF THE CITY OF CONCORD CITY ENGINEER. ANY PERMANENT MONUMENTS OR POINTS DISTURBED OR DESTRUCTED BY THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR OR HIS REPRESENTATIVE.
10. EXISTING CURB AND SIDEWALKS WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY ARE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED, EVEN IF THEY HAVE BEEN DAMAGED OR DISPLACED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR.
11. THE CONTRACTOR SHALL CONTROL DUST BY WATERING EXPOSED SURFACES AS NEEDED; INCREASED WATERING MAY BE REQUIRED WHEN WIND SPEEDS EXCEED 15 MPH OR WHEN DIRECTED BY THE CITY.
12. NO PERSON SHALL, WHEN MAKING ANY EARTH, SAND, GRAVEL, STONE, CEMENT, PAPER, OR ANY OTHER SUBSTANCE OVER ANY PUBLIC STREETS OR OTHER PUBLIC PLACE, ALLOW MATERIAL TO BLOW OR SPILL OVER AND UPON SAID PUBLIC OR ADJACENT PRIVATE PROPERTY.
13. MUD TRACKED ONTO STREETS OR ADJACENT PROPERTIES SHALL BE REMOVED IMMEDIATELY. STREET SHALL BE SWEEPED WITH A POWER SWEEPER (NOT PRESSURE WASHED) AS DIRECTED BY THE CITY.
14. THE CONTRACTOR SHALL SWEEP STREETS DAILY OR AS NEEDED, WITH WATER SPRAYERS IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PUBLIC STREETS.
15. CONTRACTOR IS RESPONSIBLE FOR REPLACING ALL TRAFFIC STRIPING, PAINT MARKINGS AND RED CURB PAINT DAMAGED OR DISTURBED WITHIN LIMITS OF WORK. TRAFFIC STRIPING, PAINT MARKINGS AND RED CURB PAINT SHALL MATCH EXISTING UNLESS OTHERWISE SHOWN ON PLANS OR ISSUED BY THE CITY. ALL STRIPING SHALL BE MUFFLED.
16. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)" ISSUED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION. LANE CLOSURES SHALL CONFORM TO THE LATEST EDITION OF MUTCD.
17. THE CONTRACTOR SHALL PROVIDE FOR CONTINUOUS INGRESS AND EGRESS TO ALL PRIVATE PROPERTY ADJACENT TO THE WORK IN A MANNER THAT WILL NOT INTERFERE WITH THE WORK OR OPERATIONS OF EXISTING FACILITIES OR AREAS.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DRAINAGE TO THE EXISTING DRAINAGE FACILITIES FROM THE NEW CONSTRUCTION.
19. CONTRACTOR SHALL NOTIFY IN WRITING THE CITY OF CONCORD, NO STORAGE OF MATERIALS OR EQUIPMENT IS PERMITTED IN THE PUBLIC RIGHT OF WAY UNLESS OTHERWISE APPROVED.
20. NA

EROSION CONTROL NOTES:
1. BEST MANAGEMENT PRACTICES SHALL BE UTILIZED AT ALL TIMES TO COMPLY WITH THE CITY OF CONCORD STORM WATER MANAGEMENT AND DISCHARGE CENTRAL ORDINANCE.
2. ALL LOOSE SOIL AND EMBANKMENTS SHALL BE REMOVED FROM THE STREET AREAS UPON COMPLETION OF THE WORK, AND DAILY THEREAFTER OR AS DIRECTED BY THE CITY ENGINEER.
3. STAND-BY CREWS SHALL BE ALERTED TO THE PERMITEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAIN STORMS.
4. RE-FILLING OF VEHICLES AND EQUIPMENT SHALL BE PROHIBITED WITHIN 100 FEET OF ALL DRAINAGES.
5. ALL EQUIPMENT AND VEHICLES SHALL BE CLEAN OF DIRT AND HYDRALIC LEAKS.

TRAFFIC CONTROL NOTES:
1. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "TRAffIC CONTROLS IN CONSTRUCTION AND MAINTENANCE WORK ZONES" BY THE U.S. DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL PROVIDE, AT ALL TIMES, LIGHTS, SIGNS, BARRIERS, CONES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY AND TO MAINTAIN TRAFFIC CONTROLS.
3. THE CONTRACTOR SHALL LIMIT ANY LANE CLOSURES TO ONE LANE AT A TIME AND TO ONE SIDE OF THE ROADWAY ON ANY UNDIVIDED STREET UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY OF CONCORD ENGINEERING DEPARTMENT.
4. THE CONTRACTOR SHALL NOTIFY, IN WRITING, ANY PROPERTY OWNERS, TENANTS, OR OCCUPANTS OF EXISTING CLOSURES OR LANE CLOSURES THAT MAY IMPACT THEIR PROPERTY OR BUSINESS. THE WRITTEN NOTICE WILL BE HAND DELIVERED THREE TO (3) BUSINESS DAYS PRIOR TO IMPLEMENTING THE DETOUR OR LANE CLOSURE. THE PERMITEE SHALL SUBMIT TO THE CITY PRIOR TO NOTICE THAT WAS GIVEN AT LEAST TWO TO (2) BUSINESS DAYS PRIOR TO THE START OF WORK.
5. OVERNIGHT STORAGE OF CONSTRUCTION MATERIALS OR EQUIPMENT NOT PERMITTED IN THE PUBLIC RIGHT OF WAY UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY OF CONCORD; NO STORAGE OF MATERIALS OR EQUIPMENT SHALL BE ALLOWED, AT ANY TIME.
6. LANE CLOSURE SHALL BE ALERTED BY THE CITY IN WRITING AND SHALL BE LIMITED TO THE HOURS OF 9:00 AM TO 3:30 PM.
Pavement Engineering Inc.

EX, PAVEMENT, GUTTER
FROM THE KEYCUT PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.
PAVEMENT SHALL BE REMOVED TO THE DEPTHS INDICATED ON THE PLAN AS MEASURED
NOTE: EDGES PRIOR TO PAVING (SEE DETAIL)

LIMIT OF WORK @ 12" WHITE LINE

MATCHLINE B - SEE SHEET 5

NOTE:
SURFACE RECOMPACTED TO 95% R.C.
RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR

NOTES:
1. REMOVE & REPLACE 4" HMA
TAPER RAMP FROM 1-3/4" TO 1-1/2" COURSE
1-3/4" RAMP FROM 1-1/2" COURSE
1-5/8" RAMP FROM 1-3/8" COURSE

NOTICE:
WIDTH OF REMOVE & REPLACE HMA ARE LOCATED UNDER KEYCUT.
GROUP 4" PAVEMENT SLICES INTO THE DEPTH/LOCATION DATA BASE MEASURED
FROM THE KEYCUT PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.

NOTICE:
WIDTH OF REMOVE & REPLACE HMA ARE LOCATED UNDER KEYCUT.
GROUP 4" PAVEMENT SLICES INTO THE DEPTH/LOCATION DATA BASE MEASURED
FROM THE KEYCUT PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.

BRING TO A 2" PAVEMENT SURFACE COURSE.

GENERAL NOTES:
1. SUMMARY OF OFFICIALS' DATA SHOWN AFTER
   PLACEMENT OF HMA SURFACE COURSE TO CORRECT DATA
2. CONTRACTOR SHALL PROVIDE CORRECTED DATA
   AS REQUIRED
3. SEE SHEET 1 FOR CURB & GUTTER
4. SEE SHEET 2 FOR STREET LAMPS

CONSTRUCTION NOTES:
1. COMPACT LICENSED MATERIAL AT SURFACE. 9" CONTRACTOR
   DISTURBANCE ZONES WITHIN 1/2" OF MATERIAL, SUBGRADE SHALL BE
   RECOMPACTED TO R.C.
   TARMAC GUTTER MBR 1-1/4" R.HMA SURFACE COURSE.
   PROTECT LOWER UTILITY COVER PRIOR TO COLD PLANE.
   PLACEMENT OF RHMA SURFACE COURSE.
   OPERATIONS DURING PLACEMENT OF HMA SURFACE COURSE.
   ADJUST ALL UTILITY COVERS TO FINISH GRADE AFTER
   PLACEMENT OF HMA SURFACE COURSE.

BORING LOG
DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

NOTE: DATA IS FOR INFORMATION ONLY. AIRES BORING DEPTH MAY VARY
FROM LOCATIONS SHOWN ON CORE LOG SHEETS. TAPES MAY BE
PREPARED IN BORELOG SHEETS BUT PLACED AT CORE LOCATIONS.

Scale: 1 Inch = 40 Feet

Pavement Maintenance - Zone 4

Black Walnut Court

Typical Section No. 1

Typical Section No. 3

KeyCut Type A1 Longitudinal KeyCut

KeyCut Type A3 Longitudinal KeyCut

North Garden Avenue

Rising Dawn Lane

CITY OF CONCORD
40
PATH:
Z:\SHARED\R DRIVE\ACTIVE PROJECTS\CONCORD, CITY OF\180308\TASK 02\DRAWINGS\180308-02_SITE 01_ZONE 4_NEW STRIPING.DWG
Plot Date:
7/17/2020 4:09 PM

You can ride on our reputation
Corporate Office:
3485 Sacramento Drive, Suite A
San Luis Obispo, CA 93401
805.781.2265

GROWING INTO THE FUTURE
TYPICAL SECTION NO. 1

R&R 4" HMA
NORTH MARSH ELDER COURT (~6'x6')

EX. PAVEMENT, GUTTER FROM THE KEYCUT PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.

NOTE:
TACK COAT ALL VERTICAL EDGES PRIOR TO PAVING (SEE DETAIL)

1. NOTICES:

KEYCUT A1
SURFACE RECOMPACTED TO 95% R.C.
DISTURBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR

NTS
TYPICAL SECTION NO. 1

NTS
REMOVE & REPLACE 4" HMA

KEYCUT A3
PLAN FOR DEPTH & LOCATION)
REMOVE & REPLACE HMA (SEE

MATCHLINE C - SEE SHEET 6

C19
NORTH LARWIN AVENUE
SCO
EX. PAVEMENT
SURFACE
SEE NOTE 1

SURFACE COURSE
PLACE 4" HMA

MATCHLINE B - SEE SHEET 4

2

2

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1-1/4" RHMA SURFACE COURSE.
PROTECT LOWER UTILITY COVER PRIOR TO COLD PLANE.
OPERATION PLACEMENT OF RHMA SURFACE COURSE.
SEE SHEET 17 FOR STRIPING LAYOUTS.
SEE SHEET 16 FOR CURB RAMP SUMMARY.
STANDARD PLAN A88A.
ADJUST ALL UTILITY COVERS TO FINISH GRADE AFTER
FINISH GRADE AFTER
GRADE ADJUSTMENT MADE TO EARTHWORK.

GENERAL NOTES:
1. REMOVE ALL DEPTH COURTS TO FINISH GRADE AFTER
2. PLACEMENT OF RHMA SURFACE COURSE AT 24" X 24" COLUMNS
3. STANDARD PLACEMENT
4. SEE SHEET 15 FOR CURB RAMP SUMMARY.

CONSTRUCTION NOTES:
1. LOW PRESSURE MAINTENANCE - ZONE 4
2. PROJECT IN PLACE ELECTRICAL BOX COVER DURING COLD PLANE OPERATION & ADJUST TO FINISH GRADE AFTER PLACEMENT OF RHMA SURFACE COURSE.

BORING LOG
DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

<table>
<thead>
<tr>
<th>LOCATION</th>
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<td>B1</td>
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NOTE:
DATA IS FOR INFORMATION ONLY. HOLES BORING LOCATION VARY FROM SPECIFIED POINTS WHERE Holes MAY BE PREDICTED IN SECTION(S) WHERE FOUND AT Holes LOCATIONS.
CITY OF CONCORD
KEYCUT A1
Pavement Engineering Inc.

40 2

NOTE:
TACK COAT ALL VERTICAL EDGES PRIOR TO PAVING (TYP.)

4" HMA
EX. PAVEMENT, GUTTER (TYP.)

PAVEMENT SHALL BE REMOVED TO THE DEPTHS INDICATED ON THE PLAN AS MEASURED

NOTE:
SURFACE RECOMPACTED TO 95% R.C.
RECOMPACT LOOSENED MATERIAL AT SURFACE. IF CONTRACTOR

TYPICAL SECTION NO. 1

MATCHLINE D - SEE SHEET 7

MATCHLINE C - SEE SHEET 5

NOTE: SURFACE COURSE

NOTE: 

NOTE: FROM THE KEYCUT PLANED SURFACE, NOT THE EXISTING PAVEMENT SURFACE.
PAVEMENT SHALL BE REMOVED TO THE DEPTHS INDICATED ON THE PLAN AS MEASURED

NOTE:
WHEN AREAS OF REMOVE & REPLACE HMA ARE LOCATED UNDER KEYCUTS,
NEW PAVEMENT (SEE DETAIL)

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NOT...
GENERAL NOTES:
1. AS A MAINTENANCE FUNCTION, THIS DRAWING IS INTENDED FOR REFERENCE ONLY. INDICATORS MAY BE SUBJECTED TO ADJUSTMENTS NOT FOUND AT CORING LOCATIONS.

CONSTRUCTION NOTES:
1. REMOVE EXISTING 4" HMA & LOCATION UNDER KEYCUTS. HMA SHALL BE REMOVED TO THE DEPTHS INDICATED ON THE PLAN AND MEASURED FROM THE KEYCUT PLACED SURFACE, NOT FROM THE EXISTING PAVEMENT SURFACE.

BORING LOG

<table>
<thead>
<tr>
<th>Depth</th>
<th>Material</th>
<th>Width</th>
<th>Location</th>
<th>Notes</th>
</tr>
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<td>3&quot;</td>
<td>HMA</td>
<td>0.000</td>
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</tr>
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<td>5&quot;</td>
<td>HMA</td>
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NOTE: DEPTHS MEASURED AT LOCATIONS SHOWN ON PLAN.
LEATHERWOOD COURT

TYPICAL SECTION NO. 1

KEYCUT TYPE A1

LONGITUDINAL KEYCUT

TYPICAL SECTIONS NO. 1

KEYCUT NO. 1

PAVEMENT TRANSITION A1

TYPICAL SECTION NO. 3

KEYCUT TYPE A1

LONGITUDINAL KEYCUT

TYPICAL SECTION NO. 3

KEYCUT TYPE A3

LONGITUDINAL KEYCUT

GENERAL NOTES:
1. ADJUST ALL ELEVATIONS TO FINAL GRADE AFTER
   PLACEMENT OF NEW PAVEMENT COURSE.
2. CONSTRUCT CURB AND PAVEMENT ACCORDING TO DRAWING
   WITHIN 0'-0" OF CURB LOCATION. KEYCUTS WILL BE PERFORMED
   AFTER PLACEMENT OF NEW PAVEMENT COURSE.
3. NOTE: PRIME LIP OF SPANDREL & REMOVE & REPLACE 7" HMA
   IN EXISTING PAVEMENT.
4. SEE DETAIL FOR STRIPING LAYOUTS.

CONSTRUCTION NOTES:
1. LAY LAYERED MATERIAL ONTOP OF SUBGRADE.
2. SEE DETAIL FOR DEPTH & LOCATION.
3. OSN NOTE: REMOVE ALL VERTICAL MATERIAL FROM THE KEYCUT.
   THIS EXISTING PAVEMENT SURFACE MUST BE REMOVED FROM THE KEYCUT.
   TREAT THE KEYCUT AS NEW PAVEMENT.
4. NOTE: PRIME LIP OF SPANDREL & REMOVE & REPLACE 7" HMA
   IN EXISTING PAVEMENT.
5. OSN NOTE: REMOVE ALL VERTICAL MATERIAL FROM THE KEYCUT.
   THIS EXISTING PAVEMENT SURFACE MUST BE REMOVED FROM THE KEYCUT.
   TREAT THE KEYCUT AS NEW PAVEMENT.

BORING LOG

DEPTH MEASURED AT LOCATIONS SHOWN ON PLAN

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<td>6-3/4&quot;</td>
<td>HMA</td>
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</table>

NOTE: DEPTH FOR INFORMATION ONLY. EXISTING SECTION MAY VARY
FROM BORING LOG. FOR CORRECT LOCATION, POUR MAY BE
PERFORMED USING MEANS NOT YET FOUND AT CONSTRUCTION LOCATIONS.

NOTES:
1. REMOVE & REPLACE 4" HMA
2. REMOVE & REPLACE 7" HMA
3. MATCHLINE K - SEE SHEET 13
4. ADJUST ALL UTILITY COVERS TO FINISH GRADE AFTER
   REMOVAL & REPLACE 7" HMA.
5. REMOVE & REPLACE 4" HMA & 7" HMA
6. ADJUST ALL UTILITY COVERS TO FINISH GRADE AFTER
   REMOVAL & REPLACE 7" HMA.

SITE PLAN

TYPICAL STREETS:
- SOUTH LARWIN AVENUE
- LEATHERWOOD COURT
- HOCK MAPLE COURT
- YGNACIO VALLEY ROAD
- COWELL ROAD

SCALE: 1 INCH = 40 FEET

Corporate Office:
3485 Sacramento Drive, Suite A
San Luis Obispo, CA 93401

Pavement Engineering, Inc.
2483 Cajon Street
San Bernardino, CA 92408
Tel: (909) 886-3600
Fax: (909) 886-3610
Email: info@pavement-e.com
Website: www.pavement-e.com
CONSTRUCTION NOTES (SHEET 15 ONLY):

1. INSTALL CURB RAMP TYPE C (RAMP NO. 38)
2. INSTALL CURB RAMP TYPE C (RAMP NO. 40)
3. INSTALL CURB RAMP TYPE C (RAMP NO. 41)
4. REMOVE & REPLACE PCC CURB & GUTTER. SAWCUT AT NEAREST SCORE MARK.
5. REMOVE PCC SIDEWALK, BACKFILL W/TOPSOIL, REGRADE, & PLACE LAWN SOD TO MATCH EXISTING.
6. REMOVE & REPLACE PCC CURB & GUTTER. SAWCUT AT NEAREST SCORE MARK.
7. REMOVE ASPHALT ROADWAY & AGG BASE/NATIVE MATERIAL. CONSTRUCT PCC CURB & GUTTER.
8. CONSTRUCT ISLAND PASSAGEWAY PER CALTRANS STANDARD PLAN A88B.
9. INSTALL 3'' SCHEDULE 40 PVC IRRIGATION SLEEVE FOR FUTURE USE.
10. RELOCATE ROADSIDE SIGN (2 EA)
11. BACKFILL W/TOP SOIL, GRADE & PLACE LAWN SOD TO MATCH EXISTING.
12. CONSTRUCT 2' WIDE HMA CONFORM. MATCH EXISTING PAVEMENT SECTION, 7" MN.
13. REMOVE & REPLACE 7" HMA (~344 SF)
14. INSTALL CROSSWALK, WHITE LIMIT LINE PER CITY STANDARD. SHIFT "STOP" LEGEND.
15. PROTECT IN PLACE EXISTING FENCE.
16. INSTALL YELLOW RETROREFLECTIVE PAVEMENT MARKERS ON CURB.
### Curb Ramp Summary

<table>
<thead>
<tr>
<th>Curb Ramp No.</th>
<th>Street Location</th>
<th>Curb Ramp Type</th>
<th>PCC Sidewalk (SF)</th>
<th>PCC Curb &amp; Gutter (SF)</th>
<th>PCC Valley Cutter (SF)</th>
<th>Red Curb Paint</th>
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<td>1</td>
<td>Blueberry Court @ N. Lamon Avenue</td>
<td>M</td>
<td>150 64</td>
<td>16.0</td>
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<td>2</td>
<td>Blueberry Court @ N. Lamon Avenue</td>
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<td>3</td>
<td>Smokey Tree Court @ N. Lamon Avenue</td>
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<td>4</td>
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<tr>
<td>5</td>
<td>Graceland Court @ Bridge Tree Court</td>
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<td>6</td>
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<tr>
<td>7</td>
<td>Black Walnut Court @ N. Lamon Avenue</td>
<td>S</td>
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<td>16.0</td>
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<td>Black Walnut Court @ N. Lamon Avenue</td>
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<td>9</td>
<td>North Valley Drive @ N. Lamon Avenue</td>
<td>M</td>
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<td>North Valley Drive @ N. Lamon Avenue</td>
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<td>12</td>
<td>North Parkway Drive @ N. Lamon Avenue</td>
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<td>13</td>
<td>North Parkway Drive @ N. Lamon Avenue</td>
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<td>North Parkway Drive @ N. Lamon Avenue</td>
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</tr>
</tbody>
</table>

### Curb Ramp Notes:
1. For information not shown, refer to Caltrans 2018 Revised Standard Plans RSP A88A.
2. Curb ramp details are shown to clarify measurement clause only. Quantities associated with new ramps are included in the "Curb Ramp Summary" table on this sheet and will be marked in the field by the engineer prior to construction.
3. No horizontal or vertical control will be provided for the forming and placing of new concrete facilities. Curb ramp details shall be included in the plans. It is the responsibility of the contractor to ensure that new concrete facilities are constructed in accordance with the City of Concord's standard plans and specifications as specified in the standard specification.
4. HMA conforms, grading at back of sidewalk & PCC retaining curb are not included in the measurement of the curb ramp area. Full compensation for HMA conforms, grading at back of sidewalk & PCC retaining curb shall be included in the bid item for curb ramp of the various types and no additional compensation shall be permitted.
5. See Technical Provisions Section 11, "Miscellaneous Concrete" for more information.
PROJECT NO. 2444: PAVEMENT MAINTENANCE ZONE 4
MAP OF BIKE FACILITIES
CONSTRUCTION NOTES (SHEET 15 ONLY):

1. INSTALL CURB RAMP TYPE C (RAMP NO. 38)
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15. INSTALL CROSSWALK, WHITE LIMIT LINE PER CITY STANDARD. SHIFT "STOP" LEGEND.
16. PROTECT IN PLACE EXISTING FENCE.
17. INSTALL YELLOW RETROREFLECTIVE PAVEMENT MARKERS ON CURB.
18. ADD DETECTABLE WARNING SURFACES.
19. INSTALL ROADSIDE SIGN (NEW)
20. INSTALL ROADSIDE SIGN (EXISTING)
21. INSTALL WATER VALVE
22. INSTALL BLUE RETROREFLECTIVE PAVEMENT MARKER
23. INSTALL WHITE CROSSWALK LINE (THERMO)
24. INSTALL 12" WHITE LIMIT LINE (THERMO)

LEGEND
- REMOVE & REPLACE 7" HMA (AS SHOWN FOR LOCATIONS)
- REMOVE & REPLACE PCC
- BACKFILL, SWARD SEED, REGRADE & RESTORE LAWN SOD
- 7" HMA CURB
- DETECTABLE WARNING SURFACES
- PENCIL LINE
- WATER VALVE
- SURVEY MARK AND/or SURVEY MARK
- FIRE HYDRANT
- BLUE RETROREFLECTIVE PAVEMENT MARKER
- ROADSIDE SIGN (NEW)
- ROADSIDE SIGN (EXISTING)
- 12" WHITE CROSSWALK LINE (THERMO)
- 12" WHITE LIMIT LINE (THERMO)

ATTACHMENT 4