

Appendix H Park Impact Assessment

Appendices

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TECHNICAL MEMORANDUM

DATE August 2022

TO Riverside Unified School District

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Riverside, CA

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SUBJECT Draft Lincoln Park Impact Assessment

PROJECT NUMBER RIV--30

1. Summary of Findings

The Riverside Unified School District (District) proposes development of the Eastside Elementary School, which includes a site plan option that requires joint-use of the southern 0.8-acre portion of Lincoln Park at 4261 Park Avenue in the City of Riverside. The Park Assessment found the following:

- » The joint-use of Lincoln Park would remove one outdoor fitness equipment, four half-court basketball courts, a portion of horseshoe field, and the southern portion of greenspace area including a kickball/baseball field and add approximately 2.48 acres of accessible joint-use space that includes lighted turf athletic fields, four basketball courts, walking path, and hardtop playground for community recreation. The joint-use park would also include a shared restroom and shared parking lot.
- » The new 2.48-acre joint-use portion of the park would be fenced and access would be restricted to the community during school hours. However, the remaining 2.48 acres of the existing park would still be open to the public during normal park operating hours.
- » The joint-use park hours would be determined by the approved joint-use agreement between the District and the City of Riverside.
- » During school hours the park serves as a space for socializing, passive exercise, and/or brisk walks, using the parts of the park that will not be directly impacted by the loss of 0.8-acre for joint-use park space.
- » The park amenities to be lost due to the joint-use park are not actively used by the community during the hours of school operation.
- » While many cars were parked on all sides of the park, the majority of cars were not visitors of the park because it was observed that only 3 cars traveled and parked for purposes of using the park amenities.

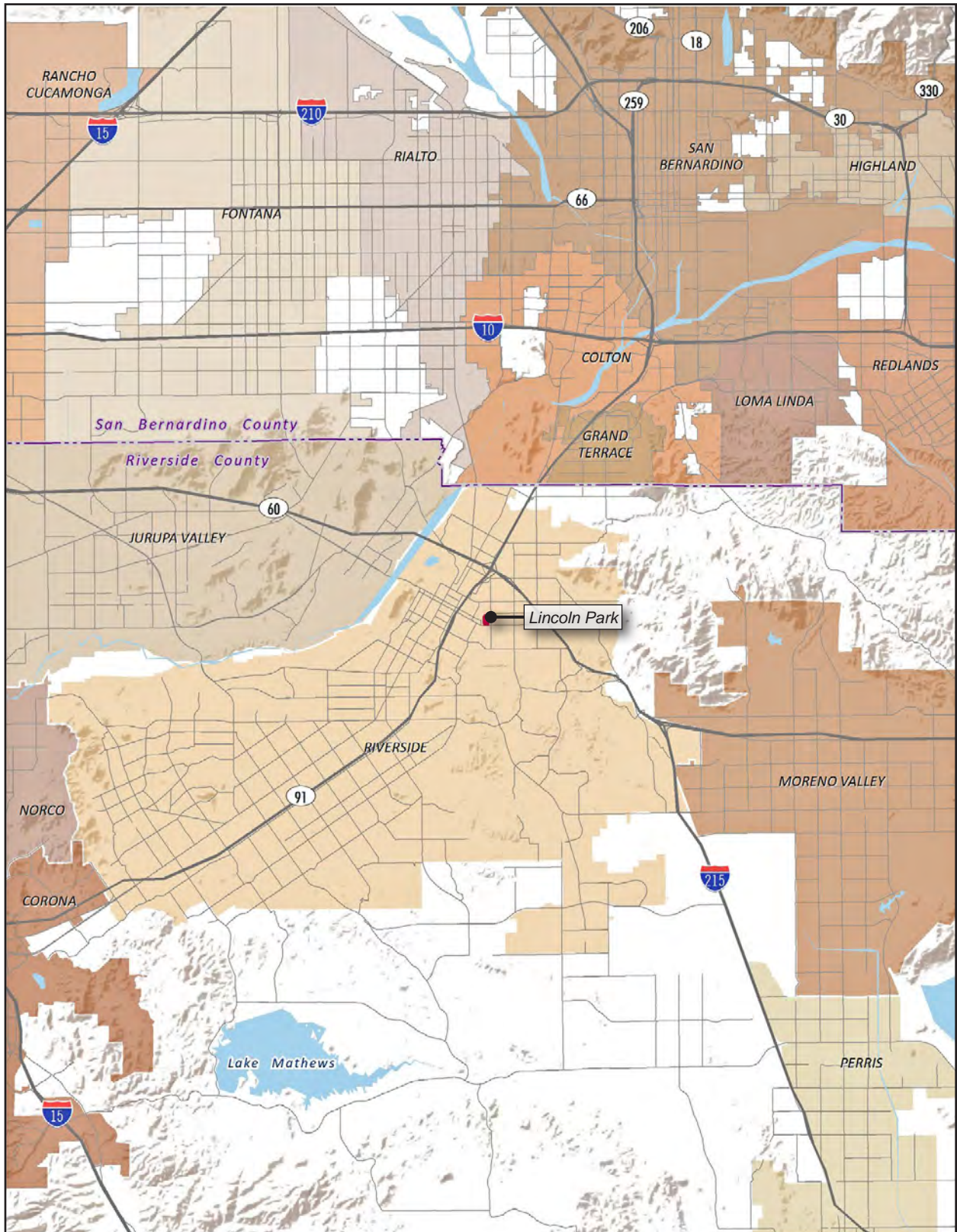
- » Instead of passive park space, the joint-use would provide more active space such as basketball courts, hardscape spaces, and turf fields that could be programmed for soccer and baseball, during after-school hours. The total park space gained during non-school hours when the park is most actively used, would be 2.48 acres.
- » According to the Park and Recreation Element of the General Plan, the City currently provides 1.12 acres of community parks per one thousand residents and 0.71 acres of neighborhood parks per one thousand residents, where the standard is 2 acres of community park and 1 acre of neighborhood park per one-thousand residents. Therefore, the City is currently park area deficient. In order to provide more park and recreation space for the City, the City's Parks Master Plan Vision 2020 and the Park and Recreation Element both encourages joint-use opportunities with various school districts, as joint use agreements and special park use agreements are identified as key strategy to solve the city's limited park space.
- » The proposed joint use agreement opportunity would be consistent with the City's General Plan and the Parks Master Plan.
- » More park acreage would be provided during non-school operating hours compared to the existing park space, when the park users can maximize the space.
- » The joint-use park would not adversely impact the existing use of Lincoln Park and would be consistent with the City's key strategy to solve deficient park space within the City.

2. Project Location

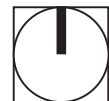
The Riverside Unified School District (District) proposes development of the Eastside Elementary School, which would house up-to approximately 800 Transitional Kindergarten (TK) through 6th grade students. The District proposes three site design options with two different school site configurations. Under Options 1 and 3, the proposed Eastside Elementary School would consist of Abraham Lincoln High School (Lincoln High School) at 4341 Victoria Avenue, 25 individual parcels (9 parcels in Block B and 16 parcels in Block C), and a segment of Park Avenue totaling 8.62 acres, in the Eastside Neighborhood of Riverside, in Riverside County, bordered by 13th Street to the north, 14th Street to the south, Howard Avenue to the west, and Victoria Street to the south. Under Option 2 (Figure 3, *Eastside Elementary School Option 2 Site Plan*), the proposed elementary school would consist of a portion of Lincoln High School, a portion of Lincoln Park, 25 individual parcels, a segment of Park Avenue, and a segment of 13th Street totaling 7.07 acres, bordered by 14th Street to the south, Howard Avenue to the west, Victoria Street to the east, and 13th Street and Lincoln Park to the north. Regional Location of Lincoln Park is shown on Figure 1, *Regional Location*, and Figure 2, *Local Vicinity Map*, shows the project site under all three options for the new Eastside Elementary School.

Under Option 2, the proposed elementary school includes joint-use of a portion of Lincoln Park, owned and operated by the City of Riverside, during school operational hours. This will impact the park's access by the public during school operational hours. Figure 4, *Joint-Use Park Impact Area*, shows the areas to be impacted by the proposed joint-use space. As shown, the joint-use space will be defined to include 0.8-acre of the existing Lincoln Park, 13th Street between Howard Avenue and Park Avenue, and land to be acquired by the District. This assessment reviews the existing park infrastructure and services and evaluates the potential changes and impacts introduced by the proposed joint-use of Lincoln Park.

Figure 1 - Regional Location

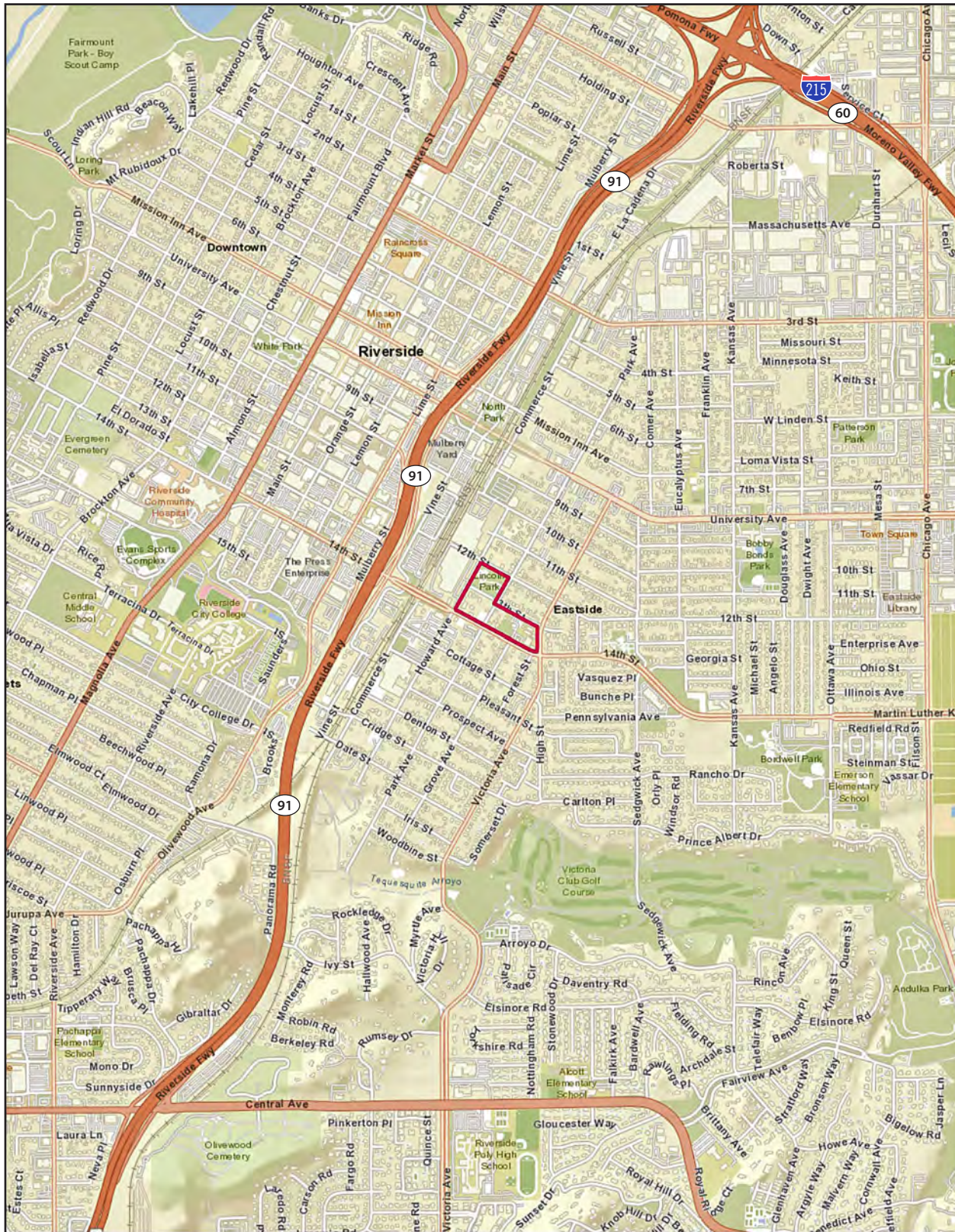


Source: Nearmap, 2021

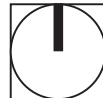


PlaceWorks

Figure 2 - Local Vicinity Map



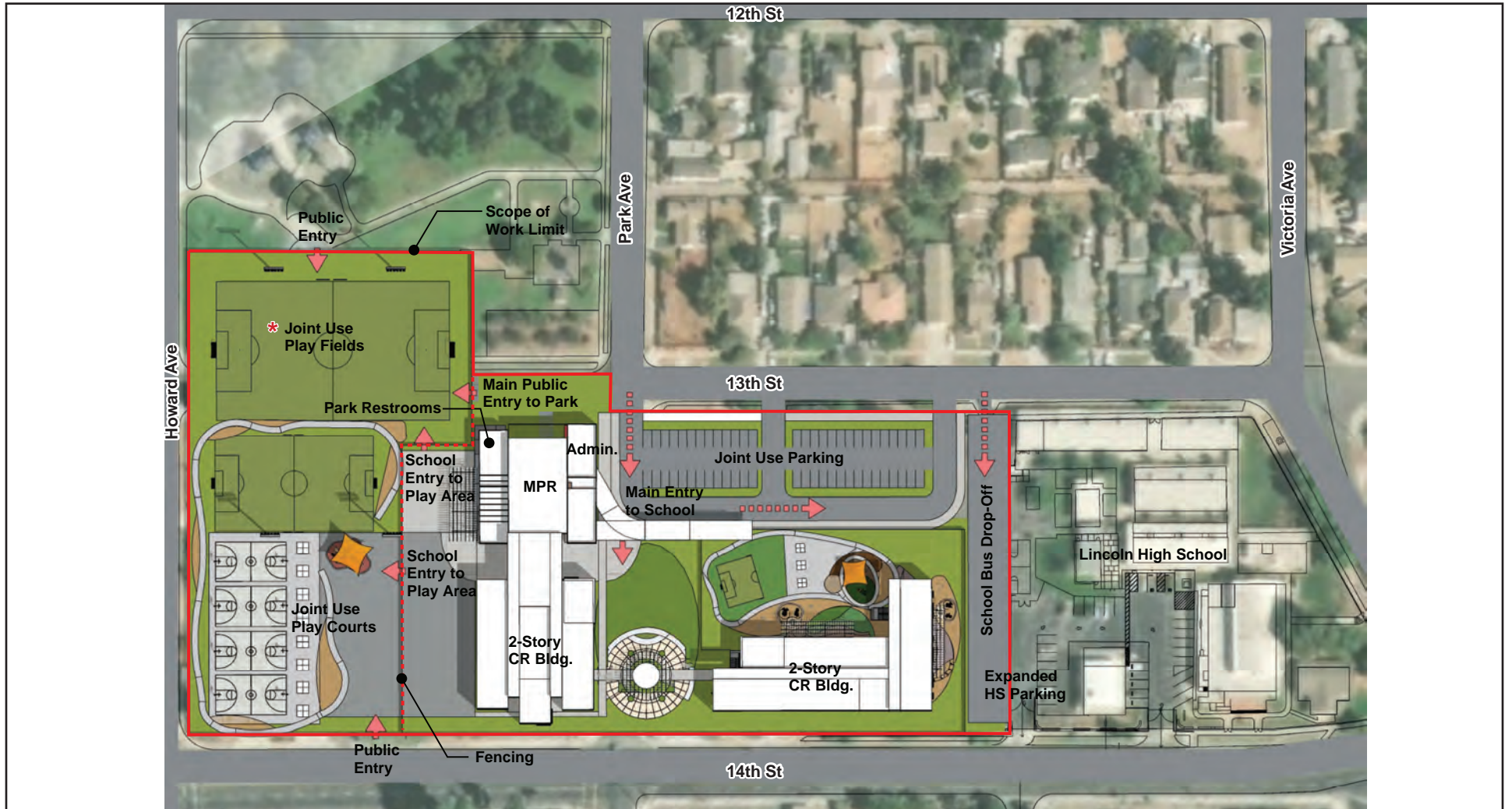
Project Boundary



Source: ESRI, 2022

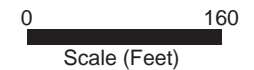
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Figure 3 - Eastside Elementary School Option 2 Site Plan



— Option 2 Project Boundary

* Note: Joint-Use Play Fields shown as soccer fields are for analysis purposes only to demonstrate field sizes and the type of sports they can accommodate, and the actual fields would be regular natural turf field without any lines.



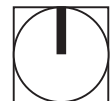
Source: PBK/WLC, 2022

Figure 4 - Joint-Use Park Impact Area (Option 2)



--- Project Boundary
--- Joint-Use Park Boundary (2.48 acres)
--- Lincoln Park Area of Impact (0.78 acres)
Source: Nearmap, 2021

0 275
Scale (Feet)



3. Existing Conditions

3.1. WALKABLE PARK ACCESS

The neighborhood immediately surrounding Lincoln Park is composed of various residential (attached and detached single-family) and non-residential (commercial, industrial, and civic) land uses. As shown on Figure 5, *Walkability Analysis*, a half-mile walk radius¹² (lightest green shading) extending out from Lincoln Park captures Dario Vasquez Park and falls just shy of North Park. Lincoln Park, Dario Vasquez Park, and North Park are all neighborhood parks. Therefore, terms of walkability, there are two other parks that are within walking distance of Lincoln Park, whereas other areas show only one other park within the walking distance. Bobby Bonds Park, a community park, and Newman Park, a neighborhood park, both fall within a one-mile radius of Lincoln Park, with Bordwell Park, a community park, just beyond. The presence of other neighborhood and community parks around Lincoln Park provides alternative recreation opportunities during daytime hours

3.2. DEMOGRAPHICS

The residents within one half-mile walking distance of Lincoln Park would be most impacted by daytime closure of a portion of Lincoln Park. Table 1, *Existing Demographics Within Half-Mile Radius of Lincoln Park*, describes residents living within one half-mile walking distance of Lincoln Park based on Esri Business Analyst Online, which uses 2015-2019 American Community Survey³ estimates (see Appendix A to this Memorandum). As indicated in Section 1.3, there are five other parks within one-mile walking distance of Lincoln Park that could cover the population beyond one quarter-mile distance.

Table 1 Existing Demographics Within Quarter-Mile Radius of Lincoln Park

Topic	Demographics
Total Population	3,017
Total Households	584
Race	88.6% Hispanic, 5.7% White, 4.5% Black or African American, 1.2% Asian
Age	7.9% under 5 22.2% aged 5-19 12.4% aged 20-24 27.6% aged 25-44 17.5% aged 45-64 12.4% over 65
Median HH Income	\$54,500
Average HH Income	\$70,704
Employment by Occupation (222 employed persons aged 16+)	- Construction and extraction 17.6% - Office and administrative support 15.4% - Building and grounds cleaning and maintenance 15.1%

¹ The National Recreation and Park Association suggests that an appropriate walking distance to a park is half of a mile, or a 10-minute walk (<https://www.nrpa.org/contentassets/f768428a39aa4035ae55b2aaff372617/park-access-report.pdf>).

² The City of Riverside Comprehensive Park, Recreation & Community Services Master Plan notes that one-half mile is approximately a 10-15-minute walk for most people and families, and most residences should be within one-half mile of a neighborhood park or amenity that may satisfy common recreation needs (Riverside 2020).

³ The American Community Survey is from the United States Census Bureau and it provides information about the social and economic needs of the nation and its people. The ongoing survey provides information on a yearly basis, and is different from the decennial Census data.

Table 1 Existing Demographics Within Quarter-Mile Radius of Lincoln Park

Topic	Demographics
	<ul style="list-style-type: none"> - Transportation and material moving 12.2% - Production 9.8% - Sales and related 6.8% - Food Preparation and serving related 4.7% - Management 3.2% - Education, training, and library 3.2% - Healthcare support 2.6% - Installation, maintenance, and repair 2.3% - Personal care and service 1.6% - Healthcare practitioner, technologists, and technicians 1.2% - Community and social services 1.0% - Protective Service 0.9% - Computer and mathematical 0.5% - Arts, design, entertainment, sports, and media 0.4%

Source: U.S. Census Bureau, 2015—2019 American Community Survey.

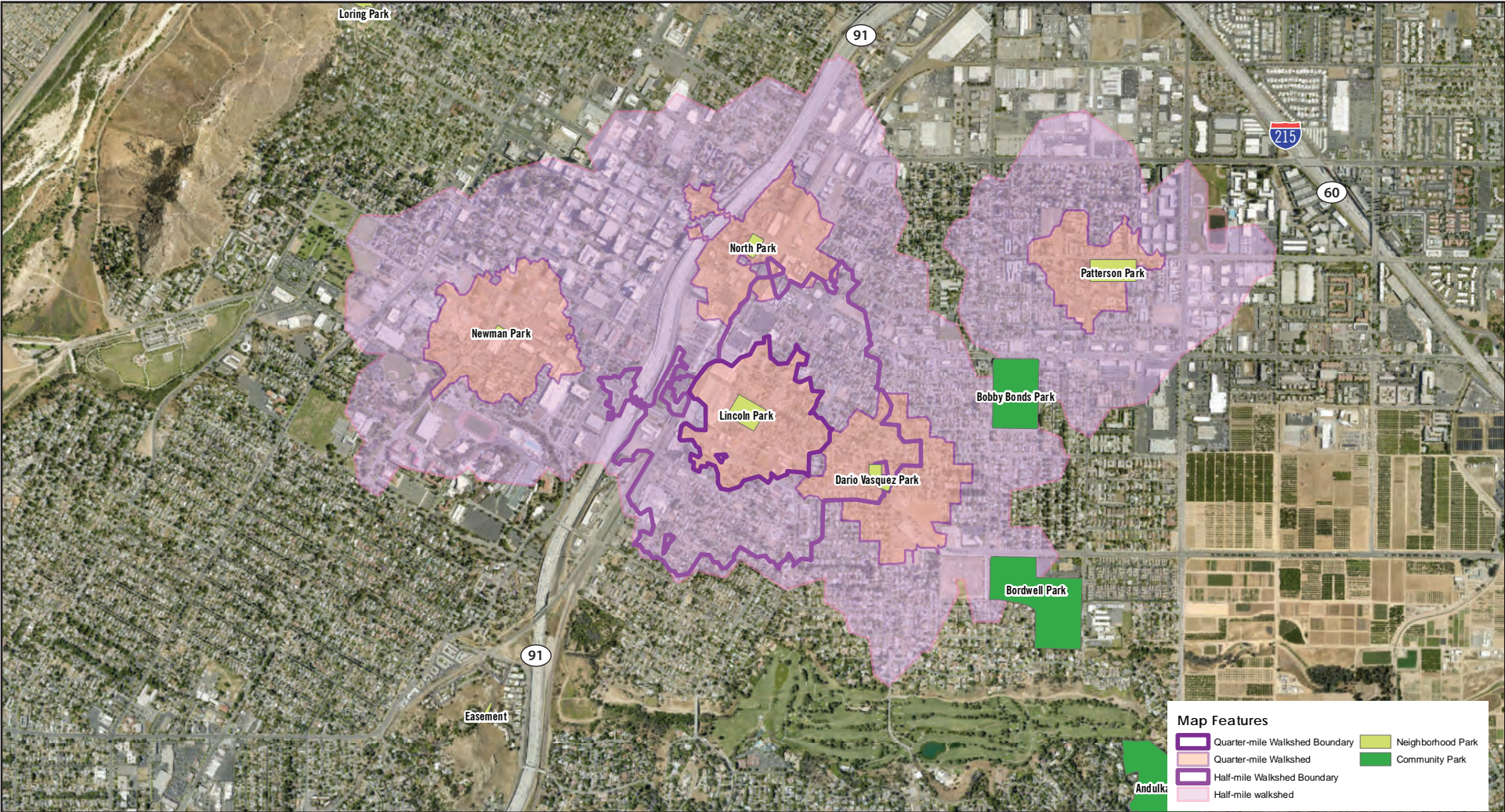
3.3. SURROUNDING PARKS

Table 2, *Surrounding Park Amenities*, identifies the neighborhood and community parks within a one-mile walking distance of Lincoln Park and lists the amenities provided at each. As shown, there are five other parks within one-mile walking distance of Lincoln Park. Two parks closest to Lincoln Park are Dario Vasquez Park and North Park, both neighborhood parks, are smaller in size and provide limited amenities, whereas Bobby Bonds Park and Bordwell Park are community parks, approximately 0.7 miles and 0.8 miles from Lincoln Park, respectively, and are bigger in size and provides various amenities. The City’s Parks and Recreation Element defines neighborhood parks as parks that satisfy non-programmed recreational and open space needs at locations within convenient walking distance (one-half mile) of the population they serve, estimated at three to five thousand residents. These parks typically encompass approximately ten acres of land. Therefore, the existing neighborhood parks in the area, including Lincoln Park, are of smaller size. Community Parks are defined as parks that are intended to meet the recreational and open space needs of the larger community, as well as those of the adjacent neighborhoods. Most of a community park’s service population of twenty to thirty thousand people should live within one mile of the park. These parks typically are twenty to thirty acres in size and provide all of the facilities included in a neighborhood park, plus facilities for more structured activities, such as swimming pools, lighted athletic complexes, community centers, restrooms, parking, and group picnic areas. Since they provide similar facilities to neighborhood parks, community parks serve as neighborhood parks for nearby residents

Table 2 Surrounding Park Amenities

Park Name (classification)	Distance	Acreage	Amenities
Existing Lincoln Park (<i>neighborhood</i>)	--	3.26	Basketball half-court (4), community center, playground (1), fitness station (3), community garden, Memorial Plaza
Planned Lincoln Park (based on <i>Conceptual Renovation Plan as shown in Appendix B to this Memorandum</i>)	--	3.26	Basketball full court (1), community center, playground (1), fitness station (3), community garden, Memorial Plaza, picnic area (6), mini soccer field (2), paseo
Dario Vasquez Park (<i>neighborhood</i>)	0.4 miles	1.36	Basketball full court (1), picnic area (1), playground (1)
North Park (<i>neighborhood</i>)	0.6 miles	1.23	Plaza
Newman Park (<i>neighborhood</i>)	0.7 miles	0.42	n/a
Bobby Bonds Park (<i>community</i>)	0.7 miles	13.67	Basketball full court (1), youth baseball field (1), childcare center, community center, adult football field (1), playground (1), public pool
Bordwell Park (<i>community</i>)	0.8 miles	22.76	Basketball full court (1), adult baseball field (1), youth baseball field (1), childcare center, community center, fitness station (4), playground (2), picnic area (4)

Figure 5 - Walkability Analysis



Source: Nearmap, 2022; PlaceWorks, 2022

4. Community Park Needs, Policies, and Existing Plans

The purpose of reviewing and analyzing existing policies and municipal plans as it pertains to parks within Riverside is to understand the recreational resources that are needed in the community and what are the supporting policies that encourage or discourage joint use agreements. The analysis of this information will address questions related to park accessibility for the community surrounding Lincoln Park with a focus on changes to accessibility resulting from the implementation of the Lincoln Park joint-use agreement.

4.1. PARKS MASTER PLAN VISION 2030 - COMPREHENSIVE PARK, RECREATION & COMMUNITY SERVICES

The City of Riverside adopted the Riverside Comprehensive Park, Recreation & Community Services Master Plan (Parks Master Plan) on February 4, 2020. Information from various public and staff input was brought together for the recreational facilities relevant studies and analysis to support the needs of the citizens of Riverside. Needs identification was directly based on community input.

A numerical ranking system was used to determine the community impact of each need. A need that is identified in more than one category was assumed to have a strong community impact. The highest community facilities needs included the following (in alphabetical order):

- » Dog Park
- » Gym / Recreation Center (indoor basketball courts)
- » Shade Structures
- » Sports Complex / Sports Park (baseball parks with multiple fields; smaller kid's sports fields)
- » Trails (trails system; trailheads; access; walking; jogging).

In order to address the parkland shortage issue, city of Riverside's Parks Master Plan Vision 2030 recommends the following actions:

- » Establish new park designations and categories to eliminate redundancy and confusion;
- » Create seven new park sites in underserved areas of the City;
- » Revitalize existing parks;
- » Partner with schools to increase the areas served by recreation programs; and
- » Improve and create connections between park facilities and increase the safety of the bicycle, equestrian, and pedestrian trail system.

4.1.1. Supported Agreements within the Comprehensive Park, Recreation & Community Services Master Plan

There are three school districts within the City of Riverside's boundary, they include Alvord Unified School District, Riverside Unified School District, and Moreno Valley Unified School District. These local school districts were identified to play a critical role in assisting the city with providing recreation opportunities to residents through joint use agreements. The Parks Master Plan indicated that renegotiation and expansion of existing agreements to include school district athletic fields are encouraged within the community and could allow the city to reduce both capital needs and ongoing maintenance costs for new facilities. The Parks Master Plan encouraged new recreation elements to be added at existing parks, at existing school facilities through joint-use agreements, planned parks, unplanned areas, and/or new property targeted for acquisition.

The Parks Master Plan supports the use of joint-use agreements to ensure that youth activities and programs are provided or are accessible by all neighborhoods, either in city facilities with other public, private, or non-profit service providers. Joint use agreements define responsibilities for capital improvements and maintenance of the facilities, and provide specifics as to allowed usage, as problems sometimes arise when expanding school sports programs create inequalities in the amount of time the city has access to the facilities.

4.2. GENERAL PLAN PARK AND RECREATION ELEMENT

The General Plan sets forth a standard of two acres of community park and one acre of neighborhood park per one thousand residents. Neighborhood parks are encouraged to be located within a one-half-mile radius of every residence and community parks within a two-mile radius. The latest Census population estimate for Riverside is 317,261 residents (July 2021 estimate). The City currently provides 370.18 acres of community park and 225.57 acres of neighborhood park.⁴ Therefore, the City currently provides 1.17 acres of community parks per one thousand residents and 0.71 acres of neighborhood parks per one thousand residents, not meeting the General Plan's standards.

Within the Element, the City has identified a shortage of parkland, many overused parks, and the need for various improvements such as safety lighting, children's play equipment replacement, and refurbished ball fields and other sports fields. The Parks and Recreation Element also identified future needs for more sports facilities such as rollerblading, skateboarding, and rock climbing. The City has noted that when parks are refurbished, usage increases dramatically, further indicating the shortage of available parks and sports facilities within the city.

To increase park spaces in the city, the Parks and Recreation Element identified Joint Use/Special Use Park agreements to alleviate the overused parks. The City already has various joint-use agreements with Riverside County Flood Control District, Alvord Unified School District, Riverside Community College, Riverside USD, and the University of California, Riverside; where shared facilities include ball fields, tennis courts, swimming pools, and sports complex to meet the shortage of sports facilities within the city.

5. Riverside Unified School District Agreement Summary

With the development of Eastside Elementary School under Option 2, the opportunity exists to create joint-use park space. The draft joint-use agreement prepared by Riverside Unified School District proposes public hours of operation for Lincoln Park to be 4:30 pm to 10:00 pm, Monday to Friday, and from 7:30 am to 10:00 pm Saturday to Sunday. During the District's summer break, the District proposes that the City has access to joint-use space, however, should the site have summer school, further discussion of hours of operation would be coordinated between the City and the District. The District also proposes that the City has full access of the joint-use space during school holidays, although the holiday schedules would need to be coordinated on a yearly basis because the District and the City's holidays do not always align. There are city camps such as summer youth camp and summer feeds program held in the park. These summer programs are not anticipated to be impacted by the proposed joint-use. Lincoln Center at Lincoln Park is a small facility utilized for After School programs, summer camps, and classes. This building is used for after school programs and classes. A free drop-in program is held at Lincoln Center for children ages 5-12 that include activities such as intramural sports, games, dance, cheer, homework assistance, and computer activities. Lincoln Center is available for rental during weekends. The existing programs at Lincoln Center would not be

⁴ Riverside 2020.

impacted by the joint-use program, since it is not part of the uses to be eliminated by the proposed joint-use.

As shown on Figure 4, *Joint-Use Park Impact Area*, the joint-use space will be defined to include 0.8-acre of the existing Lincoln Park, 13th street to be vacated, and residential and commercial parcels to be acquired by the District, which would be developed as unlined turf athletic fields. For the purposes of this study it is assumed that the athletic fields can potentially fit a one regular size and one small soccer field, four basketball courts, and play area as shown on Figure 3, *Eastside Elementary School Option 2 Site Plan*. These joint-use facilities would be fenced and gated public access would be provided from 14th Street to the south, 13th Street to the east, and Lincoln Park to the north. The park visitors would also have shared access to the school's restrooms by the main public entry to the joint-use space and the school's parking lot along 13th Street. The parking lot access would be controlled by the District.

The City of Riverside indicated that implementation of the proposed project would result in the loss of approximately 800 linear feet of on-street parking (along Howard Avenue and 13th Street) which is approximately 40 parking spaces. However, the proposed project under option 2 would include a parking lot with approximately 60 parking spaces to be shared with park visitors during joint-use park operating hours except for special after-school programs/events for the school. It should be noted that during the assessment it was observed that for both active school hours and inactive hours, there were a substantial number of cars parked along the streets that bound the park along Howard Avenue, 13th Street, Park Avenue, and 12th Street. However, it was observed that the majority of cars observed parking on the streets were not visitors of the park. PlaceWorks staff observed that only 3 cars traveled and parked for purposes of using the park amenities.

Sharing maintenance, utility, and capital replacement costs in an equitable manner may serve an issue to the park, yet during the assessment from our team, the park seemed to be regularly well maintained but not only by public workers but by the community members themselves.

6. Proposed Recreational Opportunities

6.1. EXISTING PARK

The existing Lincoln Park provides various park space types and amenities as shown on Figure 6, *Existing Lincoln Park Space Types*, and Table 3, *Existing Lincoln Park Space Types*. Figure 7, *Existing Lincoln Park Amenities*, and Table 4, *Existing Lincoln Park Amenities*, show the type of equipment and amenities provided at Lincoln Park. As shown on Figures 6 and 3, and described below, Lincoln Park provides approximately 2.46 acres of greenspace, 0.51 acres of hardscape, and 0.29 acres of playground area, totaling 3.26 acres of park area.

- » **Greenspace:** includes areas with grass, a grove covered with fruit trees, and benches with barbeques in the open space and a kickball court on the lawn space
- » **Hardscapes:** a walkway inside the park (with park benches along the path) and sidewalks located on the edge providing pedestrian access to the park, includes a basketball court
- » **Playgrounds:** a kinder play area,
- » **Dirt Infield/Horseshoe Area:** the skinned infield area of a horseshoe field, a dirt space covered with a small pergola next to kinder play, and three outdoor fitness equipment areas
- » **Lincoln Center:** includes one building and one small storage structure next to the green space. Lincoln Center is a small facility utilized for after School programs, summer camps, and classes.

Table 3 Existing Lincoln Park Space Types

Space Type		Park Area (SF)	Total Acre
Greenspace	Lawn	102,431	2.46
	Grove	4,883	
Hardscape	Walking Paths and Sidewalks	20,263	0.51
	Buildings	1,866	
Playground Area	Basketball Court	4,061	0.29
	Horseshoe Field	937	
	Kinder Play/Jungle Gym	7,285	
	Outdoor Fitness	445	
Total		142,171	3.26

Table 4 Existing Lincoln Park Amenities

Equipment	Tally	Total
Barbeque	2	2
Outdoor Fitness Equipment	1 (12th Street), 1 (13th Street.), 3 (adjacent to the jungle gym)	5
Kinder Play	2 Swing Sets, 3 Large Jungle Gyms, 2 Spring Toys (Sea Horses)	7
Park Benches	12	12
Sport Spaces	1 Basketball Court (4 half-courts), 1 Baseball (Kickball) Field	2
Picnic Tables	5	5
Water Fountain	2	2
Horseshoe (Ring Toss) Field	1	1
Total		38

6.2. JOINT USE ACCESSIBLE AMENITIES

The District proposes the following spaces within the proposed elementary school campus to be shared by the public as part of joint-use agreement (see Figure 3):

- » **Greenspace (joint-use park fields):** Turf playfields that for the purposes of this study are sized to play one large and one small soccer fields and perimeter landscaping would be part of the joint-use space.
- » **Hardscapes:** A walkway providing access to the joint-use playfields.
- » **Playgrounds (joint-use play courts):** Four basketball courts, eight four square courts, and a shaded play area.
- » **Parking:** Parking will be shared and joint-use parking access would be controlled by the District.
- » **Restroom:** A shared restroom access would be provided during park hours.

The public would not be allowed access to all other campus facilities not listed above. Implementation of the proposed project would remove approximately 0.8 acres of existing Lincoln Park, removing one outdoor

fitness equipment, four half-court basketball courts, a portion of horseshoe field, and the southern portion of greenspace area including a kickball/baseball field.

The proposed Eastside Elementary under option 2 is approximately 7.07 acres in area, including approximately 0.8 acre of the existing Lincoln Park. The existing Lincoln Park is approximately 3.26 acres (142,171 square feet) (see Table 3), and the 0.8-acre area includes a piece of outdoor fitness equipment, four half-court basketball courts, a portion of horseshoe field, and the southern portion of greenspace area including a kickball/baseball (see Figures 4 and 6). The proposed campus will take approximately 0.8 acres away from the park and add 2.48 acres (35 percent of the proposed campus) of accessible joint-use space for community recreation. In addition, a joint-use restroom and joint-use parking lot would also be provided. Table 5, *Proposed Joint-Use Amenities*, shows the square footage for new joint-use spaces. Although the proposed joint-use agreement would result in a loss of 0.8 acres during school hours, from 3.26 acres of park space to 2.48 acres, during non-school hours, the total park space available would increase to 4.96 acres. The joint-use park would also be lighted for nighttime use.

Table 5 Proposed Joint-Use Amenities

Space Type		Joint Spaces Area (SF)	Total sf	Total Acreage
Greenspace	Lawn and Landscape	28,478.8	72,044.71	1.65
	Grass Playfields	43,565.91		
Hardscapes	Walking paths	5,002.59	5,002.59	0.11
Playground Areas	Basketball Court	18,900.19	31,166.41	0.72
	Blacktop	11,296.3		
	Pergola	969.92		
Total			108,213.71	2.48

Figure 6 - Existing Lincoln Park Space Types



Amenity Spaces		Area (sf)	Total (ac)
Greenspace	Lawn	102,431.2	2.46
	Grove	4,882.5	
Hardscape	Walking Paths and Sidewalks	20,263.2	0.51
	Buildings	1,865.9	
Playground Area	Basketball Court	4,061.4	0.29
	Horseshoe Field	936.5	
	Jungle Gym Area	7,284.7	
	Outdoor Fitness Equipment	444.7	
Total		142,170.1	3.26

- Garden
- Grove
- Basketball Court
- Outdoor Fitness Equipment
- Buildings (Lincoln Center)
- Horseshoe Field
- Jungle Gym Area
- Exterior Walking Path
- Interior Walking Path
- Park Boundary

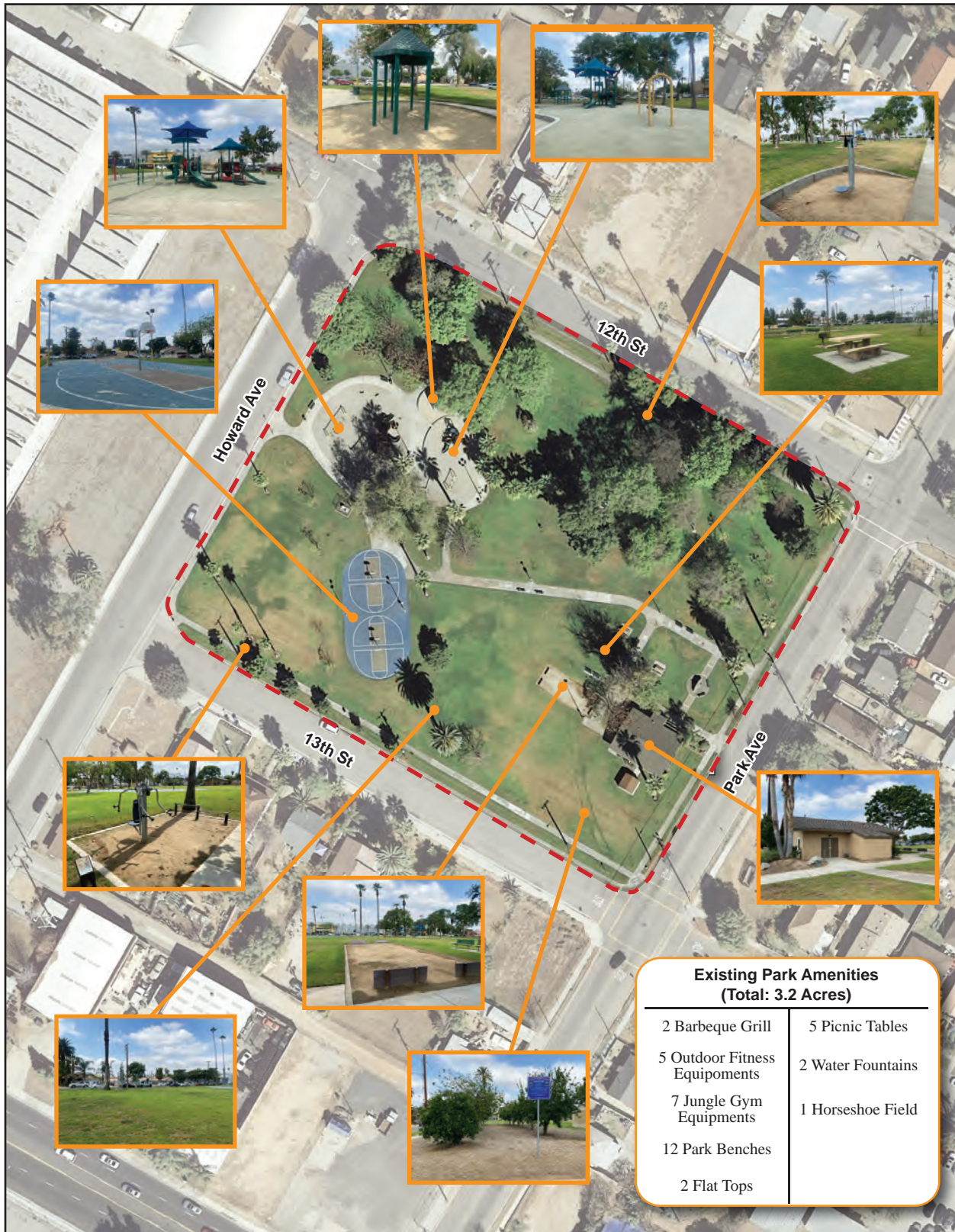
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Scale (Feet)



Source: PlaceWorks, 2022

PlaceWorks

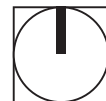
Figure 7 - Existing Lincoln Park Amenities



Existing Park Amenities (Total: 3.2 Acres)	
2 Barbeque Grill	5 Picnic Tables
5 Outdoor Fitness Equipments	2 Water Fountains
7 Jungle Gym Equipments	1 Horseshoe Field
12 Park Benches	
2 Flat Tops	

--- Park Boundary

0 120
Scale (Feet)



Source: PlaceWorks, 2022

7. Park Use Assessment

Data collection occurred during the school year in May of 2022; Lincoln Park was visited and observed two times during the school week; on a Tuesday morning during school hours and a Thursday evening after school hours. A qualitative analysis was performed with three data collection approaches: direct observations of human activities, observation of signs of human use, and observation of existing amenities, to maximize the validity and reliability of the data collected. Human activities were grouped into a single category (e.g., sitting/socializing, exercise, pet walking, jungle gym recreation, and basketball court recreation and field recreation); park user counts were collected and categorized by observed age classes youth (under 14), adult young adult (15-21), and adult (over 21). Race/ethnicity data was not collected quantitatively due to the potential for error and mischaracterization from observation only. However, Table 1 in Section 1.2, *Demographics*, shows that 92.5 percent of the residents in the area are described as Hispanic. The observations looked for signs of graffiti, art, signage, murals, encampments, and dumping or vandalism.

Outdoor fitness equipment in the park seemed to be aged but actively used. The fruit trees in the grove area were not in bloom but appeared to be actively maintained. No recent use (no coal or ash) was observed of the barbecue sets near the picnic tables. The jungle gyms and the basketball courts seem well maintained and the courts were observed to have active use. There were no significant graffiti or vandalism observed at the park, some spray-painting appears related to construction or maintenance activities. Most of the lawn space and the horseshoe field appear underutilized with no traces of flattened grass patches or signs of humans walking.

7.1. OBSERVATIONS - MAY 3RD, 2022 – 10:00AM-11:00AM

A survey was conducted during the hours of 10:00 AM and 11:00 AM on a Tuesday, to capture the uses of the park during school hours. During this study all human interaction in the park was observed to be adults; no children were seen in the park. The basketball court field recreational spaces and jungle gyms were not used during this hour. Majority of those visiting the park were seen sitting at park benches and picnic tables typically eating or socializing. Those who exercised in the park used the exterior and interior walking path system then used the outdoor fitness equipment around the park during their walks. Over the course of the hour, two groups of people were observed to be walking dogs in the park and then lounging in the park with their pets. As shown in Table 6, *Data Collection – Day 1*, in total, 13 adults were observed using the park during school hours.

Table 6 Data Collection – Day 1

Age Group	Exercise	Jungle Gym	Pet Walking	Sitting & Socializing	Basketball Court	Field Recreation & Misc.	Total
Youth	0	0	0	0	0	0	0
Young Adult	0	0	0	0	0	0	0
Adult	3	0	3	7	0	0	13
Total	3	0	3	7	0	0	13

7.2. OBSERVATIONS MAY 12TH, 2022 – 6:30 PM-7:30 PM

The second day of the survey was conducted during the hours of 6:30 PM and 7:00 30 PM on a Thursday evening in order to capture the uses of the park after school hours. During this study all human interactions in the park were observed to be across all ages and many park amenities were actively being used. A large

influx of young adults and youths were observed during this hour; the most activated spaces were the basketball courts and jungle gyms. Adults observed at the jungle gym and lawn spaces were supervising their youths. The basketball courts were predominantly used by young adults and adults playing together in mixed teams. During some periods of the hour when those who were using the basketball courts cleared the space, youth from the jungle gym area would begin playing tag on the basketball courts. It was observed that although there is sufficient greenspace, because its layout is for passive activities and not programmed for active sports such as baseball and soccer, there seems to be inadequate safe space for batting practices or playing baseball without interfering with other activities in the park or worrying about hitting the ball toward the street.

Many of the adults using the park were either exercising by using this surrounding workout equipment or utilizing the walking paths and sitting and socializing on park benches and tables. Included in the miscellaneous category, an adult was observed picking up trash and debris in and around the park; this person did not wear public or maintenance worker attire and are assumed to be a neighborhood volunteer who regularly cleans up the park. As shown in Table 7, *Data Collection – Day 2*, in total, there were 19 adults, 8 young adults, and 7 youth observed during the hour after hours; in total 34 humans were observed in Lincoln Park.

Table 7 Data Collection – Day 2

Age Group	Exercise	Jungle Gym	Pet Walking	Sitting & Socializing	Basketball Court	Field Recreation & Misc.	Total
Youth	0	6	0	0	0	1	7
Young Adult	0	0	0	0	8	0	8
Adult	5	1	1	6	4	2	19
Total	5	7	1	6	12	3	34

8. Conclusion

The counts of directly observed human activities in Lincoln Park offer a snapshot of how people in the surrounding community regularly utilize the public space during and after school hours. The most common activities amongst young adults and the youth included sports and jungle gym recreation during the evening after school. The most activity observed during the hours of the school day was more passive uses by adults. During school hours the park serves as a space for socializing, passive exercise, and/or brisk walks, parts of the park that will not be directly impacted by the loss of 0.8-acre for joint-use park space. Although the four half-court basketball courts would be eliminated under the joint-use agreement during school hours, this amenity is not observed to be actively used during the day or school hours. The City’s Lincoln Park Conceptual Renovation Plan shows a full court baseball court, two mini-pitch soccer fields, a picnic area, a paseo, and an expanded community garden (see Appendix B). With the joint-use agreement, the opportunity to implement this conceptual plan would be lost or require modification. However, based on the observation of park use, the basketball courts and mini-pitch soccer fields would not be used actively during school hours. The joint-use would provide more courts and hardscape spaces for the youth, young adults, and adults during after-school hours, a time when the community is most active in the area. In addition, the new joint-use space would provide significant open turf fields for sports such as soccer, kickball, and baseball. Therefore, the implementation of the joint-use park space would not substantially conflict with the City’s renovation plan.

Although the park would decrease in size and amenity space by approximately 24 percent during school hours under the joint use agreement, it would predominantly be areas not normally used during the hours

of school operation. In addition, the trail system that surrounds the park would be impacted, yet the new joint-use space includes a new walking path for after-school hours; and the existing path that goes through the park would still be intact. The total park space gained during non-school hours when the park is most actively used, would be 2.48 acres.

The City's Parks Master Plan Vision 2030 and the Parks and Recreation Element encourages joint-use opportunities with various school districts, as joint use agreements and special park use agreements are identified as a key strategy to solve the city's limited park space. Therefore, the proposed joint use agreement opportunity would be consistent with the City's existing goals and policies, and provide a net positive impact for the community members rather than a negative. The larger park space would provide more access to amenities and more opportunities for programmed sports and physical activities for people of all ages, not just passive use of the park. Daytime use of the park was limited, and the park was most actively used during after-school hours. Therefore, with lighted joint-use space, a wider range of amenities and space would be available to more community members during hours that the use can be maximized. The joint-use park would be beneficial for the community and would not conflict with the city's policies or plans.

Bibliography

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Esri. 2022, April. American Community Survey Key Population & Household Facts. (Appendix A)

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Appendix A – ACS Key Population & Household Facts

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ACS Key Population & Household Facts

Walking Distance Areas Summary

Prepared by Esri

	2016-2020 ACS Estimate	Percent	MOE(±)	Reliability
TOTALS				
Total Population	3,017		482	High
Total Households	584		70	High
Housing Units	633		69	High
POPULATION 15+ BY MARITAL STATUS				
Total	2,389	100%	382	High
Never married	1,111	46.5%	148	High
Married	922	38.6%	180	High
Widowed	145	6.1%	67	Medium
Divorced	211	8.8%	52	Medium
POPULATION 25+ BY EDUCATIONAL ATTAINMENT				
Total	1,734	100%	304	High
No schooling	88	5.1%	59	Low
Nursery School	0	0.0%	0	
Kindergarden	14	0.8%	23	Low
1st to 4th Grade	103	5.9%	78	Low
5th to 8th Grade	324	18.7%	193	Medium
Some High School	214	12.3%	61	Medium
High School Diploma	368	21.2%	105	Medium
GED	63	3.6%	41	Medium
Some College	320	18.5%	75	Medium
Associates degree	102	5.9%	37	Medium
Bachelors degree	95	5.5%	27	Medium
Masters degree	37	2.1%	37	Low
Professional school degree	0	0.0%	0	
Doctorate degree	5	0.3%	14	Low



ACS Key Population & Household Facts

Walking Distance Areas Summary

Prepared by Esri

	2016-2020			
	ACS Estimate	Percent	MOE(±)	Reliability
CIVILIAN EMPLOYED POPULATION 16+ BY OCCUPATION				
Total	1,286	100%	263	High
Management	41	3.2%	20	High
Business and financial operations	17	1.3%	14	Low
Computer and mathematical	7	0.5%	22	Low
Architecture and engineering	0	0.0%	0	
Life, physical, and social science	0	0.0%	0	
Community and social services	13	1.0%	13	Low
Legal	0	0.0%	0	
Education, training, and library	41	3.2%	16	High
Arts, design, entertainment, sports, and media	5	0.4%	16	Low
Healthcare practitioner, technologists, and technicians	16	1.2%	6	High
Healthcare support	34	2.6%	17	High
Protective service	12	0.9%	38	Low
Food preparation and serving related	61	4.7%	20	High
Building and grounds cleaning and maintenance	194	15.1%	100	High
Personal care and service	21	1.6%	8	High
Sales and related	87	6.8%	39	High
Office and administrative support	198	15.4%	70	High
Farming, fishing, and forestry	0	0.0%	0	
Construction and extraction	226	17.6%	130	High
Installation, maintenance, and repair	30	2.3%	15	High
Production	126	9.8%	57	High
Transportation and material moving	157	12.2%	65	High
CIVILIAN EMPLOYED POPULATION 16+ BY INDUSTRY				
Total	1,286	100%	263	High
Agriculture, forestry, fishing and hunting	0	0.0%	0	
Mining, quarrying, and oil and gas extraction	0	0.0%	0	
Construction	221	17.2%	133	High
Manufacturing	114	8.9%	59	High
Wholesale trade	63	4.9%	62	Low
Retail trade	104	8.1%	42	High
Transportation and warehousing	58	4.5%	32	High
Utilities	1	0.1%	15	Low
Information	2	0.2%	7	Low
Finance and insurance	38	3.0%	29	Low
Real estate and rental and leasing	10	0.8%	30	Low
Professional, scientific, and technical services	46	3.6%	29	High
Management of companies and enterprises	0	0.0%	0	
Administrative and support and waste management services	145	11.3%	78	High
Educational services	75	5.8%	24	High
Health care and social assistance	126	9.8%	39	High
Arts, entertainment, and recreation	7	0.5%	14	Low
Accommodation and food services	137	10.7%	49	High
Other services, except public administration	75	5.8%	37	High
Public administration	63	4.9%	38	High

Source: U.S. Census Bureau, 2016-2020 American Community Survey

Reliability: High medium Low

August 10, 2022



ACS Key Population & Household Facts

Walking Distance Areas Summary

Prepared by Esri

	2016-2020			
	ACS Estimate	Percent	MOE(±)	Reliability
HISPANIC OR LATINO ORIGIN BY RACE				
Total	3,017	100%	482	High
Not Hispanic or Latino	345	11.4%	122	Medium
White alone	172	5.7%	77	Medium
Black or African American alone	135	4.5%	111	Low
American Indian and Alaska Native alone	0	0.0%	0	
Asian alone	35	1.2%	32	Low
Native Hawaiian and Other Pacific Islander alone	0	0.0%	0	
Some other race alone	0	0.0%	0	
Two or more races	3	0.1%	37	Low
Hispanic or Latino	2,672	88.6%	515	High
White alone	728	24.1%	205	Medium
Black or African American alone	0	0.0%	0	
American Indian and Alaska Native alone	0	0.0%	1	
Asian alone	3	0.1%	37	Low
Native Hawaiian and Other Pacific Islander alone	0	0.0%	0	
Some other race alone	1,922	63.7%	510	Medium
Two or more races	19	0.6%	39	Low
RACE				
Total	3,017	100%	482	High
White alone	900	29.8%	192	Medium
Black or African American alone	135	4.5%	111	Low
American Indian and Alaska Native alone	0	0.0%	1	
Asian alone	38	1.3%	30	Low
Native Hawaiian and Other Pacific Islander alone	0	0.0%	0	
Some other race alone	1,922	63.7%	510	Medium
Two or more races	22	0.7%	35	Low
TOTAL POPULATION BY AGE				
Total Population	3,017	100%	482	High
Under 5 years	239	7.9%	95	Medium
5 to 9 years	131	4.3%	41	Medium
10 to 14 years	258	8.6%	90	Medium
15 to 19 years	280	9.3%	59	Medium
20 to 24 years	375	12.4%	100	Medium
25 to 29 years	202	6.7%	68	Medium
30 to 34 years	164	5.4%	44	Medium
35 to 39 years	188	6.2%	103	Medium
40 to 44 years	282	9.3%	89	Medium
45 to 49 years	105	3.5%	45	Medium
50 to 54 years	172	5.7%	51	Medium
55 to 59 years	163	5.4%	59	Medium
60 to 64 years	87	2.9%	38	Medium
65 to 69 years	139	4.6%	56	Medium
70 to 74 years	32	1.1%	18	Medium
75 to 79 years	44	1.5%	29	Low
80 to 85 years	59	2.0%	34	Medium
85 years and over	98	3.2%	55	Medium

Source: U.S. Census Bureau, 2016-2020 American Community Survey

Reliability: High Medium Low

August 10, 2022



ACS Key Population & Household Facts

Walking Distance Areas Summary

Prepared by Esri

	2016-2020		MOE(±)	Reliability
	ACS Estimate	Percent		
POPULATION BY SEX BY AGE				
Total	3,017	100%	482	
Male Population	1,554	51.5%	254	
Under 5 years	188	6.2%	86	
5 to 9 years	56	1.9%	22	
10 to 14 years	138	4.6%	62	
15 to 19 years	199	6.6%	57	
20 to 24 years	176	5.8%	65	
25 to 29 years	71	2.4%	46	
30 to 34 years	41	1.4%	19	
35 to 39 years	146	4.8%	109	
40 to 44 years	146	4.8%	66	
45 to 49 years	35	1.2%	20	
50 to 54 years	109	3.6%	43	
55 to 59 years	94	3.1%	53	
60 to 64 years	48	1.6%	34	
65 to 69 years	22	0.7%	56	
70 to 74 years	22	0.7%	25	
75 to 79 years	31	1.0%	26	
80 to 85 years	17	0.6%	16	
85 years and over	17	0.6%	20	
Female Population	1,464	48.5%	263	
Under 5 years	52	1.7%	40	
5 to 9 years	76	2.5%	36	
10 to 14 years	120	4.0%	67	
15 to 19 years	82	2.7%	27	
20 to 24 years	200	6.6%	75	
25 to 29 years	131	4.3%	50	
30 to 34 years	123	4.1%	53	
35 to 39 years	42	1.4%	20	
40 to 44 years	136	4.5%	59	
45 to 49 years	71	2.4%	41	
50 to 54 years	64	2.1%	29	
55 to 59 years	69	2.3%	30	
60 to 64 years	39	1.3%	32	
65 to 69 years	117	3.9%	61	
70 to 74 years	10	0.3%	8	
75 to 79 years	13	0.4%	12	
80 to 85 years	42	1.4%	30	
85 years and over	81	2.7%	51	

Source: U.S. Census Bureau, 2016-2020 American Community Survey

Reliability: high medium low

August 10, 2022



ACS Key Population & Household Facts

Walking Distance Areas Summary

Prepared by Esri

	2016-2020			
	ACS Estimate	Percent	MOE(±)	Reliability
TOTAL HOUSEHOLDS BY INCOME				
Total	584	100%	70	■
Less than \$10,000	39	6.7%	35	■
\$10,000 to \$14,999	23	3.9%	41	■
\$15,000 to \$19,999	22	3.8%	26	■
\$20,000 to \$24,999	18	3.1%	56	■
\$25,000 to \$29,999	46	7.9%	43	■
\$30,000 to \$34,999	35	6.0%	27	■
\$35,000 to \$39,999	36	6.2%	34	■
\$40,000 to \$44,999	28	4.8%	34	■
\$45,000 to \$49,999	12	2.1%	8	■
\$50,000 to \$59,999	64	11.0%	30	■
\$60,000 to \$74,999	42	7.2%	19	■
\$75,000 to \$99,999	79	13.5%	37	■
\$100,000 to \$124,999	35	6.0%	13	■
\$125,000 to \$149,999	36	6.2%	32	■
\$150,000 to \$199,999	52	8.9%	32	■
\$200,000 or more	16	2.7%	21	■
Median Household Income	\$54,500		N/A	■
Average Household Income	\$70,704		\$13,610	■
HOUSEHOLDS WITH HOUSEHOLDER AGE <25 YEARS BY INCOME				
Total	33	100%	24	■
Less than \$10,000	0	0.0%	0	
\$10,000 to \$14,999	0	0.0%	0	
\$15,000 to \$19,999	15	45.5%	25	■
\$20,000 to \$24,999	0	0.0%	0	
\$25,000 to \$29,999	0	0.0%	0	
\$30,000 to \$34,999	0	0.0%	0	
\$35,000 to \$39,999	0	0.0%	0	
\$40,000 to \$44,999	0	0.0%	0	
\$45,000 to \$49,999	5	15.2%	9	■
\$50,000 to \$59,999	10	30.3%	16	■
\$60,000 to \$74,999	0	0.0%	0	
\$75,000 to \$99,999	0	0.0%	0	
\$100,000 to \$124,999	0	0.0%	0	
\$125,000 to \$149,999	0	0.0%	0	
\$150,000 to \$199,999	3	9.1%	12	■
\$200,000 or more	0	0.0%	0	
Median Household Income for HHR <25	\$46,286		N/A	■
Average Household Income for HHR <25	N/A		N/A	■

Source: U.S. Census Bureau, 2016-2020 American Community Survey

Reliability: ■ high ■ medium ■ low

August 10, 2022



ACS Key Population & Household Facts

Walking Distance Areas Summary

Prepared by Esri

	2016-2020			
	ACS Estimate	Percent	MOE(±)	Reliability
HOUSEHOLDS WITH HOUSEHOLDER AGE 25-44 YEARS BY INCOME				
Total	234	100%	45	
Less than \$10,000	0	0.0%	0	
\$10,000 to \$14,999	5	2.1%	17	
\$15,000 to \$19,999	7	3.0%	10	
\$20,000 to \$24,999	9	3.8%	35	
\$25,000 to \$29,999	43	18.4%	46	
\$30,000 to \$34,999	4	1.7%	16	
\$35,000 to \$39,999	36	15.4%	34	
\$40,000 to \$44,999	1	0.4%	19	
\$45,000 to \$49,999	0	0.0%	0	
\$50,000 to \$59,999	35	15.0%	39	
\$60,000 to \$74,999	9	3.8%	29	
\$75,000 to \$99,999	39	16.7%	18	
\$100,000 to \$124,999	11	4.7%	15	
\$125,000 to \$149,999	2	0.9%	8	
\$150,000 to \$199,999	28	12.0%	20	
\$200,000 or more	7	3.0%	15	
Median Household Income for HHr 25-44	\$53,161		N/A	
Average Household Income for HHr 25-44	N/A		N/A	
HOUSEHOLDS WITH HOUSEHOLDER AGE 45-64 YEARS BY INCOME				
Total	204	100%	51	
Less than \$10,000	6	2.9%	32	
\$10,000 to \$14,999	7	3.4%	24	
\$15,000 to \$19,999	0	0.0%	0	
\$20,000 to \$24,999	0	0.0%	0	
\$25,000 to \$29,999	3	1.5%	15	
\$30,000 to \$34,999	32	15.7%	30	
\$35,000 to \$39,999	0	0.0%	0	
\$40,000 to \$44,999	8	3.9%	15	
\$45,000 to \$49,999	7	3.4%	10	
\$50,000 to \$59,999	11	5.4%	12	
\$60,000 to \$74,999	19	9.3%	23	
\$75,000 to \$99,999	31	15.2%	31	
\$100,000 to \$124,999	21	10.3%	9	
\$125,000 to \$149,999	35	17.2%	34	
\$150,000 to \$199,999	18	8.8%	29	
\$200,000 or more	6	2.9%	30	
Median Household Income for HHr 45-64	\$80,783		N/A	
Average Household Income for HHr 45-64	N/A		N/A	

Source: U.S. Census Bureau, 2016-2020 American Community Survey

Reliability: high medium low

August 10, 2022

	2016-2020		MOE(±)	Reliability
	ACS Estimate	Percent		
HOUSEHOLDS WITH HOUSEHOLDER AGE 65+ BY INCOME				
Total	112	100%	37	🟡
Less than \$10,000	33	29.5%	40	🔴
\$10,000 to \$14,999	11	9.8%	51	🔴
\$15,000 to \$19,999	1	0.9%	2	🔴
\$20,000 to \$24,999	9	8.0%	45	🔴
\$25,000 to \$29,999	0	0.0%	0	
\$30,000 to \$34,999	0	0.0%	0	
\$35,000 to \$39,999	0	0.0%	0	
\$40,000 to \$44,999	19	17.0%	29	🔴
\$45,000 to \$49,999	0	0.0%	0	
\$50,000 to \$59,999	8	7.1%	28	🔴
\$60,000 to \$74,999	14	12.5%	6	🟡
\$75,000 to \$99,999	9	8.0%	16	🔴
\$100,000 to \$124,999	3	2.7%	13	🔴
\$125,000 to \$149,999	0	0.0%	0	
\$150,000 to \$199,999	3	2.7%	15	🔴
\$200,000 or more	3	2.7%	13	🔴
Median Household Income for HHR 65+	\$40,528		N/A	🔴
Average Household Income for HHR 65+	N/A		N/A	🔴

Data Note: N/A means not available.

2016-2020 ACS Estimate: The American Community Survey (ACS) replaces census sample data. Esri is releasing the 2016-2020 ACS estimates, five-year period data collected monthly from January 1, 2016 through December 31, 2020. Although the ACS includes many of the subjects previously covered by the decennial census sample, there are significant differences between the two surveys including fundamental differences in survey design and residency rules.

Margin of error (MOE): The MOE is a measure of the variability of the estimate due to sampling error. MOEs enable the data user to measure the range of uncertainty for each estimate with 90 percent confidence. The range of uncertainty is called the confidence interval, and it is calculated by taking the estimate +/- the MOE. For example, if the ACS reports an estimate of 100 with an MOE of +/- 20, then you can be 90 percent certain the value for the whole population falls between 80 and 120.

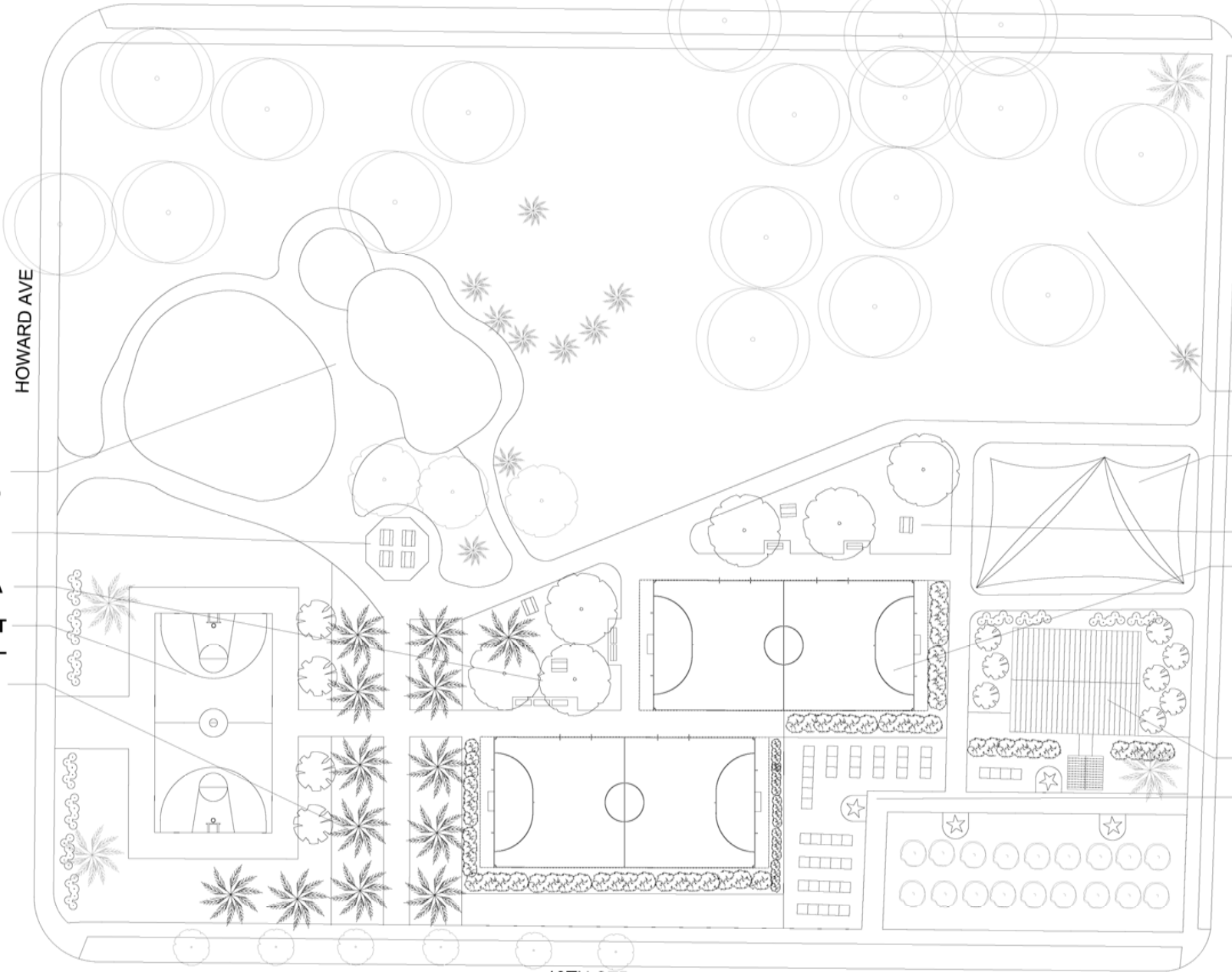
Reliability: These symbols represent threshold values that Esri has established from the Coefficients of Variation (CV) to designate the usability of the estimates. The CV measures the amount of sampling error relative to the size of the estimate, expressed as a percentage.

- 🟢 High Reliability: Small CVs (less than or equal to 12 percent) are flagged green to indicate that the sampling error is small relative to the estimate and the estimate is reasonably reliable.
- 🟡 Medium Reliability: Estimates with CVs between 12 and 40 are flagged yellow-use with caution.
- 🔴 Low Reliability: Large CVs (over 40 percent) are flagged red to indicate that the sampling error is large relative to the estimate. The estimate is considered very unreliable.

Appendix B – Lincoln Park Conceptual Renovation Plan

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12TH STREET



PARK AVE

EXISTING GRASS AND TREES

RENOVATED MEMORIAL PLAZA, OUTDOOR CLASSROOM WITH CANOPY

PICNIC AREA

MINI-PITCH SOCCER (2 COURTS)

EXISTING BUILDING

COMMUNITY GARDEN, ART AND BUTTERFLY GARDEN

EXISTING PLAYGROUND

JUMP PICNIC AREA

PICNIC AREA

FULL COURT SKETBALL

PALM PASEO

13TH STREET



LINCOLN PARK CONCEPTUAL RENOVATION PLAN

SEPTEMBER 13, 2019

H-34