# **Nap Existing Conditions**

RECOM

Get Quick Answers to Complex Planning Questions with UrbanFootprint



Map Existing Conditions in Record Time Get Quick Answers to Complex Planning Questions with UrbanFootprint

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# one Introduction

### Introduction

### Power data-driven planning with detailed existing conditions insights



Urban planners are tasked with tackling some of society's toughest challenges. From critical housing issues in our major cities to climate change and resilience efforts across the country, planners are working to address how we will support the next generation of growth while fostering sustainable and equitable communities.

Urban data has grown by leaps and bounds, yet it's more difficult than ever to distill this information into actionable insights to support smart, data-driven planning. Gathering the data we as planners need to understand existing conditions, let alone understand future impacts, is typically an arduous, time-consuming, and expensive process. In this playbook, we'll show you how to map and analyze existing conditions in record time with UrbanFootprint. With thousands of preloaded datasets, easy mapping workflows, and built-in analysis modules, UrbanFootprint helps planners get quick answers to complex planning questions in minutes.



"Using UrbanFootprint has helped us go beyond general benefits and estimates to quantify specific predicted outcomes. We are now able to put numbers to solutions and project how each scenario will impact our efforts to increase transit ridership and reduce VMT."

> Ben Zellers, Planner Comprehensive Planning and Regional Cooperation, City of Madison



### Introduction

Before we dive into our existing conditions how-to guide, let's walk through a brief overview of UrbanFootprint for context. UrbanFootprint is cloud-based mapping and analysis software designed by and for urban planners. UrbanFootprint streamlines each step of the planning process with an extensive, out-of-the-box planning data library, a suite of built-in analysis modules, and intuitive mapping workflows. These powerful features allow you to quickly and reliably map existing land use, transit, and more.

### BASE CANVAS

Get parcel-level insights for nearly any U.S. location. More than 120 million parcels power the most comprehensive, nationwide land use database available.

### ANALYSIS

Dig into the details with access to advanced analyses at the click of a button, including emissions, walk and transit accessibility, risk and resilience, and more.

### DATA LIBRARY

No need to invest in the costly process of sourcing, cleaning, and vetting datasets. Make maps in record time with thousands of readyto-use datasets.

### 🌐 CARTOGRAPHY

Quickly visualize and communicate existing conditions insights with easyto-use mapping workflows. No GIS experience required.

With thousands of ready-tomap datasets at your fingertips, UrbanFootprint allows you to map and analyze key features of existing conditions in a matter of minutes, rather than days or weeks. Let's walk through how to get started.



"UrbanFootprint supports three key aspects of our work: streamlining the proposal development process, collecting and presenting data during the existing conditions phase of a project, and facilitating scenario planning to better understand impacts and benefits."

> Matt Raimi, Principal Raimi + Associates



Map Existing Conditions in Record Time Get Quick Answers to Complex Planning Questions with UrbanFootprint



Whether you're a planner at a private consulting firm or a city planning department, one of the first steps of any planning project is often a comprehensive assessment of existing conditions. However, cobbling together the most up-to-date land use, building, housing, and employment data can be a daunting and time-consuming task. UrbanFootprint's comprehensive datasets and built-in planning workflows make mapping and analyzing existing conditions less costly and more time efficient. UrbanFootprint features a number of tools that make assessing existing conditions easy, including the ability to:

- → View existing land use at the parcel scale for nearly any U.S location.
- Select from thousands of additional datasets to build a complete existing conditions analysis.
- → Filter by specific attributes (selection queries) to answer complex planning questions.
- → Customize map symbology to showcase your story.
- → Create maps and charts for existing conditions reports.



Sign in to your UrbanFootprint

account to follow the tutorial. Don't have an account yet? Sign up for a free <u>7-day trial.</u>

TIP

With detailed insights earlier in the planning process, you can quickly and reliably expedite progress from fundamentals to the planning phase. Next, we'll walk through how to get started with ten examples of essential existing conditions exhibits.



Map current property values



Map existing mobility networks



Pinpoint vacant parcels to assess sites for potential development



Assess climate resilience and natural hazards



Map walk access to key locations



Map existing transit accessibility



Map current land use at the parcel scale



Understand existing zoning



Identify open space and natural features



Map existing development patterns, housing types, and employment mix

# 1. Map current land use at the parcel scale

Let's start by creating an UrbanFootprint project. We can create a project for nearly any U.S. location we'd like to study – just search by town, city, county, or region. We'll use Berkeley, California as the example site for these tutorials.

In just a few minutes, UrbanFootprint loads what we call the <u>"Base Canvas"</u>, a robust, parcel-level depiction of existing land use. This allows you to quickly produce maps and charts for existing conditions reports nationwide. If we select *Base Canvas* in the left-hand layer list, we can view the legend for the land use color symbology.

Now, let's say we want to filter our existing land use map to locate parcels dedicated to commercial use. We can use **UrbanFootprint's land use categories feature** to quickly filter for commercial parcels. <sup>(3)</sup>



The filter function allows us to highlight commercial parcel locations and update the data table to reflect metrics solely for commercial parcels. Now, we can understand key insights like how many employees currently work on commercial parcels in Berkeley.

Finally, we can edit the map symbology to quickly convey these insights in an existing conditions report. UrbanFootprint users can update opacity to emphasize important data layers, select a different basemap to communicate context, and edit map elements to be a color of their choosing. In the example below, we highlighted Berkley's commercial parcels in red.  $\bigcirc$ 

Once we're ready to export the map, we simply click the "Export" button to select the layout and design preferences that will best suit our existing conditions report and/or presentation needs.



### #MADEWITHUF

In just 10 minutes, we mapped existing land use at the parcel scale and analyzed commercial development patterns in Berkeley, CA.

# 2. Understand existing zoning

Along with land use, current zoning for your project area is essential information for understanding existing conditions and lays the groundwork for **developing future alternatives**.

UrbanFootprint comes preloaded with zoning data for major cities, such as Los Angeles, Chicago, Philadelphia, and more. To get started, we'll first use the Layer Manager to select "Zoning Districts - City of Berkeley" from UrbanFootprint's Data Library.

While UrbanFootprint has the zoning data for our Berkeley example, in the event we don't have zoning data for your city preloaded in the platform, you can easily upload the information as a shapefile from open data portals, such as Socrata.

	:				E	Berkele
	Layer Manager					
rcels and Use	Q Search for layers	:	Zoning Districts -	City of Berkeley		
	> Infrastructure (17)		zoning city land use		Source City of Berkeley	
	✓ Land Use (15)		Zoning Districts as provided	by the City of Berkeley, CA	III Scale Local	
	Zoning Districts - City of Berkeley	+			C Last updated by source	
	Building Footprints (2018)	+			2010-06-26	
	Historic Places	+	Column	Description	Ture	
	Military Installations	+	column	Description	Type	
l	Landmarks (Census Points of Interest)	+	obe Zoning	Zoning District code	string	
	Residential Tax Averages - By Tract	+				
	Smart Location Database (EPA)	+				
	Zoning - Oakland	+				
	Context Area Land Use	-				



A

Next, if we turn off all other data layers in our map, we can quickly highlight current zoning policy and patterns in our project area. By clicking on the zoning layer from the left panel, we can view the Classes legend to understand each of the different zones throughout the city. <sup>3</sup>

Finally, we can choose to either keep the default symbology for zoning data or update the color and map style before exporting for reports and presentations.  $\bigcirc$ 





#MADEWITHUF

In just 5 minutes, we mapped existing zoning in Berkeley, CA by parcel.

# 3. Map current property values

Property values are an important element for assessing existing land use and development. In particular, an understanding of the improvement to land value ratio in your project area will support both existing conditions assessment and scenarios development, where you can test development alternatives according to redevelopment potential and different land use policy configurations. First, we'll start by adding the Parcel Reference Data layer from the UrbanFootprint Layer Manager. This preloaded layer includes information on land use, assessor's land and improvement values, lot size, building area, addresses, and more.



For this example, we'll focus on evaluating the improvement to land value ratio in Berkeley. After selecting "Improvement to Land Value Ratio" from the column list, UrbanFootprint quickly maps the ratio values by parcel for Berkeley. <sup>(3)</sup>

In the example above, we've changed the base map style to "dark" and adjusted the label options to include Point of Interest labels. These might help stakeholders viewing the map understand why the value ratio may be lower or higher in different parts of Berkeley.



#MADEWITHUF

In just 5 minutes, we mapped existing improvement to land value ratio by parcel in Berkeley, CA.

# 4. Map existing mobility networks

Transportation is a key driver of land use. Effective maps for existing mobility networks are core exhibits for any existing conditions report. UrbanFootprint features a wealth of mobility-related data for quickly generating maps. First, let's cover how to map existing transit in Berkeley, CA. To start, we'll search for "transit" in the Layer Manager and add the following layers to our project:

- ♦ National Transit Lines
- ♦ National Transit Stops

After editing the layer symbology and basemap style to our liking, we've successfully created an existing transit map with just a few clicks.

**UrbanFootprint's** 

existing transit

system map for



In addition to transit, we can also map circulation networks, including detailed road, bicycle, and pedestrian network data for any U.S. location. We'll add the following datasets from the Layer Manager to our project:

- ♦ Roads
- ♦ Bicycle and Pedestrian
- ♦ Private/Internal Roads

By adding the Roads layer to our exhibit, we can now explore existing road networks by functional classification (e.g. arterial, collector, local, etc), street direction, and more.



UrbanFootprint maps the existing road network in Berkeley by street direction. One-way streets are noted in blue. Two-way streets are highlighted in yellow.



UrbanFootprint maps the existing road network in Berkeley by functional class, including freeways; arterial, collector, and local roads; alleyways, and more. Plus, we can layer in even more detail by adding Bicycle and Pedestrian networks into the mix. The map below displays existing bicycle paths in green and pedestrian paths in blue. D



♦ Bicycle and Pedestrian		Gallery Crop - 🛨 Export 🖸 +
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With comprehensive, preloaded mobility data at our fingertips, planners can quickly map and analyze existing transit and circulation data in UrbanFootprint. (3)



Existing circulation in Berkeley, CA.

#MADEWITHUF

In just 10 minutes, we mapped the existing transit and circulation system for Berkeley, CA.

### 5. Identify open space and natural features

For planners working to build sustainable communities, understanding existing open space and natural features is just as important as mapping the built environment. All the layers you need to quickly identify these areas and make maps are available in UrbanFootprint's Data Library.

Let's get started by adding the following data layers from the Layer Manager:

- ♦ Parks and Open Space
- ♦ Marine Protected Areas
- ♦ Wetlands
- ♦ Wildlife Corridors

Because we are creating a map with several layers, all of which are polygons that depict natural features, we'll want to simplify their symbologies so the map is easy to read. For example, the Parks and Open Space layer has polygons symbolized by the type of owner.





This is most likely too much detail for one map where parks are combined with several other natural feature layers. For all four layers, we'll set the column to "No column (single symbol)". This will make all polygons in a layer share the same symbology. (3)

Next, let's update the symbology for the other natural features to make the map easy to read and ensure that each layer is distinct. Let's also order the layers so that all features are visible - for example, wetlands should be above parks.  $\bigcirc$ 





### ГІР

You can upload local datasets that may complement UrbanFootprint's preloaded environmental data. Simply upload a zipped shapefile and the layer will load to the layer list in your UrbanFootprint project.





#MADEWITHUF

In just 5 minutes, we mapped the existing open space and natural features for Berkeley, CA.

### 6. Map existing development patterns, housing types, and employment mix

The existing development pattern and housing and employment mix sets the stage for future development. In this tutorial, we'll walk through how we can use UrbanFootprint to quickly evaluate these factors.

First, let's map the existing development pattern. Similar to the first tutorial in the playbook, select the Base Canvas from the layer list. (Make sure all other layers are turned off.) Under the Style tab, select the column Land Development Category. (

This allows you to quickly survey the major existing development pattern for Berkeley, CA. As you can see, it is largely suburban, but also has a substantial amount of compact, walkable areas. <sup>(3)</sup>



Existing development patterns in Berkeley, CA.

### TIP

You can also view these charts as tables by exporting to Excel, where you can make customized charts, calculate proportions, etc. Next, let's look at the existing housing and employment mix. Start by clicking on Report in the left-hand mode bar.  $\bigcirc$ 

Report mode allows you to compare metrics across scenarios. Since we have not created any scenarios yet, you will only see a bar for existing conditions (called the "Base Scenario" in the

Summary Statistics

charts). The first four charts display the number of people, dwelling units, households, and employees in the project's base canvas. The second two charts break down the mix of housing by type and employment by sector. Hover over each segment of the bar to display the count.

### Summary Statistics Land Consumption Base Scenario Population ÷ **Dwelling units** + Not run for any scenarios Energy Use Base Scenario 152,012 Base Scenario 52,000 Run for 1 scenario Water Use Not run for any scenarios Households + Employment + Walk Accessibility Run for 1 scenario Base Scenario 48,100 Base Scenario 61,700 Transit Accessibility Not run for any scenarios + ÷ Transportation Dwelling units by type Employment by type Not run for any scenarios Large Lot Detached Single-Family Small Lot Detached Single-Family All Retail 📃 All Office 🔤 All Public 🔤 All Industrial Attached Single-Family 📃 All Multifamily Emissions Base Scenario 52,000 Base Scenario 61,700 Not run for any scenarios Household Cost Not run for any scenarios + ÷ **Building square feet - Residential Building square feet - Retail Risk and Resilience** Large Lot Detached Single-Family Small Lot Detached Single-Family Retail services Restaurants Arts & Entertainment Not run for any scenarios Attached Single-Family All Multifamily Accommodation Other retail Base Scenario 58,000,000 Base Scenario 13,205,000 Conservation Not run for any scenarios

**#MADEWITHUF** 

In just 5 minutes, we mapped and measured existing development patterns, housing types, and employment mix in Berkeley, CA. Θ

### 7. Pinpoint vacant parcels to assess sites for potential development

Mapping vacant parcels in the context of existing land use and mobility networks is a prerequisite for evaluating site suitability for future development. Yet, many planners have to wrestle with messy datasets and clunky tools to collate actionable insights. In UrbanFootprint, we can quickly add, filter, and join layers from our out-ofthe-box data library to map and analyze vacant parcels.

First, let's add all the data layers we will need for the analysis to our project:

- ♦ Building Footprints
- ♦ Parks and Open Space

Second, let's identify all vacant parcels. Select the Base Canvas in the layer list and click on the Filter tab. We'll then use the column "Land Use Summary (L1)" to filter and highlight "Vacant/ Other parcels." Save the new layer as "Base Canvas - Vacant".



Finally, now that we've created a new layer to illustrate vacant parcels, we'll combine, order, and stylize with other layers to quickly communicate the availability and context of vacant parcels in North Berkeley. (3)

Now we have an existing development and vacancy map ready to export for your next report or presentation.  $\Theta$ 





ITHUF In just 5 minutes, we mapped vacant parcels in the context of existing development in Berkeley, CA.

### 8. Assess climate resilience and natural hazards

Any planning project needs to account for natural hazards. Assessing risk is easy in UrbanFootprint - the Risk and Resilience <u>Analysis Module</u> identifies parcels according to different natural hazard risks. Just click run and UrbanFootprint will produce curated fire, flood, and sea level rise risk layers for your project area.

First, open Analyze mode in the lefthand modes bar. Hover over Risk and Resilience in the right-hand menu and click the play button to run it. (A)

Once the module completes analysis, click on it to open the details view. You will see a series of charts summarizing natural hazard risk, including counts of parcels, dwelling units, and jobs at risk.





Finally, to review results on the map, select the All Natural Hazard Risk Areas layer in the layer list. By default, it will show flood risk by flood zone. There are columns for fire risk and sea level rise risk as well. (These also appear as separate layers in the layer list.)



After customizing our layer symbology, we're ready to export the maps for existing conditions reports and presentations.

Beyond locating natural hazard zones, UrbanFootprint gives planners the tools they need to quantify and illustrate the potential impacts of climate change and natural disasters on populations, job centers, infrastructure, and more. In the exhibits below we can begin to assess key risk and resilience factors for Berkeley, CA. D (E)

> Here we can see Berkeley, CA is in a relatively low flood risk area.

### FLOOD RISK BY FLOOD ZONE





### FIRE RISK BY FIRE HAZARD ZONE

In contrast to the exhibits above, much of Berkeley lies in a fire hazard zone.



### MADEWITHUF

In just 15 minutes, we mapped sea level rise, flood, and fire hazard for Berkeley, CA.

# 9. Map walk access to key locations

Similar to the Risk and Resilience tutorial above, UrbanFootprint users can assess walk access to jobs and key locations like schools, parks, and more using UrbanFootprint's built-in Walk Accessibility **Analysis Module**.

In this tutorial, we'll focus on mapping walk access to hospitals in Berkeley. Start by selecting Analyze mode from the left-hand menu to access the suite of Analysis Modules. Find "Walk Accessibility" and click the play button to run the Analysis Module. After a few minutes, the module will complete the analysis and UrbanFootprint will generate several new data layers to map and explore, including:

- Walk Access to Destinations
- Walk Access to Employment
- **II** Walk Access to Households
- Walk Access to Park Acreage
- III Walk Access to Population



To map existing walk access to parks, we'll select the new "Walk Access to Destinations" layer and then choose the "Minutes to nearest hospital" column. By customizing the classes and editing the symbology, we can quickly evaluate Berkeley's current walk access to hospital. 🙆

Edit symbology

Source

Style

Column

Opacity

Classes

Filter

10%

Minutes (0 - 61)

0-5

UrbanFootprint maps walk access to hospitals (the parcels shown in blue) in Berkeley, CA. Teal parcels indicate a shorter walk to hospitals, while red-orange note a longer walk.



### #MADEWITHUF

In just 15 minutes, we mapped existing walk access to parks in Berkeley, CA.

# 10. Map existing transit accessibility

UrbanFootprint users can also quickly map existing transit access to jobs and key locations like schools, parks, and more using UrbanFootprint's built-in Transit Accessibility <u>Analysis Module</u>.

In this tutorial, we'll focus on mapping transit accessibility to jobs in Berkeley. Start by selecting Analyze mode from the left-hand menu to access the suite of Analysis Modules. Click the play button on "Transit Accessibility" to run the Analysis Module. After a few minutes, the module will complete the analysis and UrbanFootprint will generate several charts on the right, displaying key transit accessibility metrics.





UrbanFootprint also generates new data layers to map and explore, including:

- III Transit Access to Destinations
- III Transit Access to Employment
- II. Transit Access to Households
- II. Transit Access to Park Acreage
- III Transit Access to Population

In just 15 minutes,

we mapped

existing transit accessibility to jobs in Berkeley, CA. To map existing transit access to employment simply select the new "Transit Access to Employment" layer. By editing the classes and symbology, we can quickly evaluate Berkeley's access to employment within 30 minutes on transit.

UrbanFootprint maps transit access to employment in Berkeley, CA. Lighter shades of purple indicate access to fewer jobs within 30 minutes, while darker shades of purple indicate access to more jobs within 30 minutes.



Map Existing Conditions in Record Time Get Quick Answers to Complex Planning Questions with UrbanFootprint



# three Use Case Gallery



"We find UrbanFootprint to be extremely helpful in the proposal process. With comprehensive data coverage, you can create insightful maps with very minimal effort. The client is always surprised to see that you have such detailed data before you even have a contract."

> Alex Steinberger, Managing Partner Cascadia Partners



Looking for even more existing conditions details? Explore our Existing Conditions Use Case Gallery. With thousands of preloaded, ready-tomap datasets, the UrbanFootprint Data Library unlocks quick insights to complex planning questions for nearly any U.S. location.

Don't see the example existing conditions question you're looking for? **Book a demo** with our team and we'll walk you through how to map the data in UrbanFootprint.





### Use Case Gallery Question 1

Minneapolis, MN

Parcel Reference

Data

**Opportunity Zones** 

Which parcels are candidates for redevelopment within established Opportunity Zones in my city?

The Tax Cuts and Jobs Act created 'Opportunity Zones' as a way to incentivize private sector investment in disadvantaged communities. As a planner, you may want to analyze which parcels are most likely to draw redevelopment interest in an Opportunity Zone. One way to gauge the likelihood of redevelopment is by mapping the improvement to land value ratio from assessor's data. In general, parcels with a low improvement value (the value of existing structures on the parcel) compared to the land value are more likely to redevelop. **Read full blog →** 

Opportunity Zones in Minneapolis

- Parcels where land value is greater than improvement value
- Midtown Greenway



Question 2

# Where are potential food deserts located in my project area?

Access to quality, affordable food is an important consideration in planning for more equitable communities. UrbanFootprint can quickly map potential food deserts with preloaded data from the Food Access Research Atlas. As this dataset is easily available alongside UrbanFootprint's vast data library, it opens the door for planners to research important policy topics such as exploring how transit plays a role in facilitating greater access to quality food or identifying available parcels for new grocery stores. **Read full blog →** 

### **Percentage of the population** that is both low-income and lives over a 1/2 mile away from a grocery store



💡 St. Louis, MO

Food Access Research Atlas



Question 3

# How does proximity to parks impact single-family home prices?

With UrbanFootprint, we can map single-family homes within 0.1 miles and 0.25 miles to parks in Seattle. We then joined the filtered parcels with the preloaded Parcel Reference Data layer to quickly compare the average property value increase for single-family homes that are closer to parks. In the chart, we can see that the average value for a single-family home within a 1/10 of a mile from a park in Seattle is valued at over \$32,000 more than a single-family home within a 1/4 mile of a park. **Read full blog**  $\Rightarrow$ 

### Parks

- Single-family parcel within 0.1 mi buffer of parks
- Single-family parcel within 0.25 mi buffer of parks



💡 Seattle, WA

Parks and Open Space

Parcel Reference
Data



Question 4

# What areas in my city are vulnerable to a hurricane storm surge?

### Category 4 Storm Surge Height



• Philadelphia, PA

Category 4 Storm
Surge Hazard Maps

UrbanFootprint comes preloaded with Storm Surge Hazard data from the National Hurricane Center and the Central Pacific Hurricane Center (NHC & CPHC). After loading the Base Canvas for Philadelphia, PA, we can add the Storm Surge Hazard layer to identify parcels at risk of storm surge flooding in the event of a Category 1–4 storm. **Read full blog** →



Question 5

# How might my project impact critical habitat areas?

Santa Cruz, CA

Endangered Species
Critical Habitat

The United States Fish and Wildlife Service maintains an online database of critical habitat areas that's easy to map, out-of-the-box in UrbanFootprint. In the above exhibit for Santa Cruz, critical habitat areas for threatened species are marked in orange and critical habitat areas for endangered species are highlighted in red. Read full blog →

### **Endangered Species Critical Habitats** by FWS Listing Status





Question 6

- 💡 Washington, D.C.
- 😔 National Transit Lines
- Transit Access to Employment
- Walk Access to Destinations

# What percent of the population in my project area live in transit-poor zones?

In an example mobility analysis for Washington, D.C., we used UrbanFootprint to quickly identify areas with poor access to transit. First, we identified parcels that are more than a 10-minute walk from a transit station and are in the bottom 30th percentile of access to regional jobs within 30 minutes via transit. We then combined these two outputs to highlighted transit-poor zones in orange in the map above. Finally, because UrbanFootprint has detailed, parcel level-data on households, we can calculate the proportion the population that resides in these transit-poor areas. In our Washington D.C. example, it's 40.6%. Read full blog  $\rightarrow$ 

### **Residential parcels**



### Transit

- Metro lines
- Local bus routes

Map Existing Conditions in Record Time Get Quick Answers to Complex Planning Questions with UrbanFootprint



# <sup>four</sup> See UrbanFootprint in Action

See UrbanFootprint in Action

# Get the tools you need to streamline and enhance existing conditions reports.



With thousands of out-of-the-box datasets and easy-to-use mapping tools, UrbanFootprint streamlines routine existing conditions tasks and allows for more time spent on developing innovative planning solutions. In-depth insights earlier on in the planning process not only impresses prospective project stakeholders, but also frees up more time and budget to dedicate to more advanced planning tasks like alternatives development and analysis.

Have a question or a specific existing conditions example you'd like to see covered? Get in touch with our team and request an UrbanFootprint demo today.

### Ready to see UrbanFootprint in action?

Book a demo with our team and learn how to quickly map existing conditions, build future scenarios, and analyze plan impacts.

### BOOK A DEMO $\rightarrow$

### See UrbanFootprint in Action

## About UrbanFootprint



UrbanFootprint is cloud-based mapping and analysis software designed by and for urban planners. UrbanFootprint streamlines each step of the planning process for private and public sector planners with our extensive, out-of-the-box planning data library, a suite of builtin analysis modules, and intuitive mapping workflows.

### ASSESS

### Lower Existing Conditions Friction

Produce existing conditions reports for site, neighborhood, corridor, citywide, and regional projects - powered by hundreds of built- in datasets and best-in-class cartographic tools.

### PROPOSE

### Develop Winning Proposals in Record Time

Reduce time and budget spent on proposals and job interviews with faster project assessments and quick, effective maps. Produce more competitive and compelling bids with advanced scenario development and modeling capabilities.

### PLAN

### Build Scenarios and Analyze Alternatives

Build plan alternatives with an easyto-use toolset of over 150 building and district prototypes. Understand future outcomes with a complete suite of analysis modules, including emissions, vehicle-miles traveled, accessibility, and more.

### ENGAGE

### Build Consensus & Engage Community Stakeholders

Enhance community engagement and education with built-in impact reporting, real-time scenario insights, and transparent reporting.

### REPORT

### Create Regulatory & Summary Reports

Accelerate regulatory compliance processes with streamlined data and reporting. Support your team with significant time and resource savings.

Book a demo with our team and learn how to streamline each step of the planning process with UrbanFootprint.

Learn more at urbanfootprint.com