



METRO E3 INITIATIVE:

How to Expose, Educate, and Employ the Next Generation for Careers in the Global Transportation Industry



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May 2018



Job opportunities in the transportation industry are increasing

MEASURE M WILL
GENERATE MORE THAN

778,000

New jobs in the next 40
years



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https://www.metro.net/projects/main_page/boomtown/

**But the pool of
qualified
applicants IS NOT**

50%

**Over 50% of the
transportation
industry
workforce will be
eligible for
retirement in the
next 10 years – a
pace double that
of the nation's
entire workforce**



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METRO'S WORKFORCE NEEDS

2,200

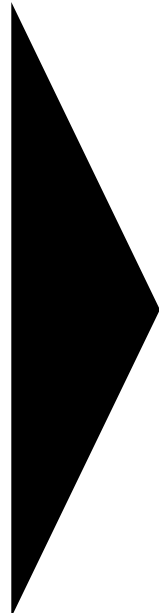
Number of new employees Metro hires annually

69%

Metro employees who are currently over 40 years old

46%

Metro employees who will be eligible for retirement in the next 5 years



We must expand Metro's highly skilled and diverse workforce to meet growing workforce demands, skills-gaps, and looming retirements

[Link: WIN-LA Program Framework, Metro Data](#)



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CURRENT CAREER PATHWAYS FOR YOUTH



WHAT can be done to expand Metro's existing workforce development programs to include more middle and high-school-age youth?

Transportation Careers Academy Program (TCAP)
Summer Internships for 11th and 12th graders

Workforce Initiative Now (WIN-LA)
Attract, develop, and employ underrepresented communities

Metro Internship Program (MIP)
college and graduate students

Entry Level training Program (ELTP)
Trains college graduates



PROJECT MISSION AND GOALS

MISSION: Prepare Los Angeles County youth for career and college pathways in the global transportation industry by teaching them transferrable (STEAM) industry skills.



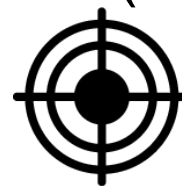
Expose LA County youth to careers in the global transportation industry



Educate and train LA County youth in transferrable transportation industry-skills



Expand Metro's highly skilled and diverse workforce to meet growing demands and



Reinforce Metro's role as an innovative Public Agency



Support Youth's transition into college and careers in the global transportation industry

OBJECTIVE: Expand Metro's existing career pathway programs to include more middle and high-school-age youth



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METRO CANNOT DO THIS ALONE

KEY STAKEHOLDERS FOR THIS PROJECT



POTENTIAL SCHOOL CAREER PATHWAYS

ENGINEERING

CONSTRUCTION AND TRADES / INFRASTRUCTURE

MECHANICS AND OPERATIONS

(bus & rail operators, mechanics, etc.)

GLOBAL TRADE AND LOGISTICS

BUSINESS OPERATIONS

(Marketing, Human Resources, Finance, Budgeting, etc.)

CIVICS & PUBLIC POLICY

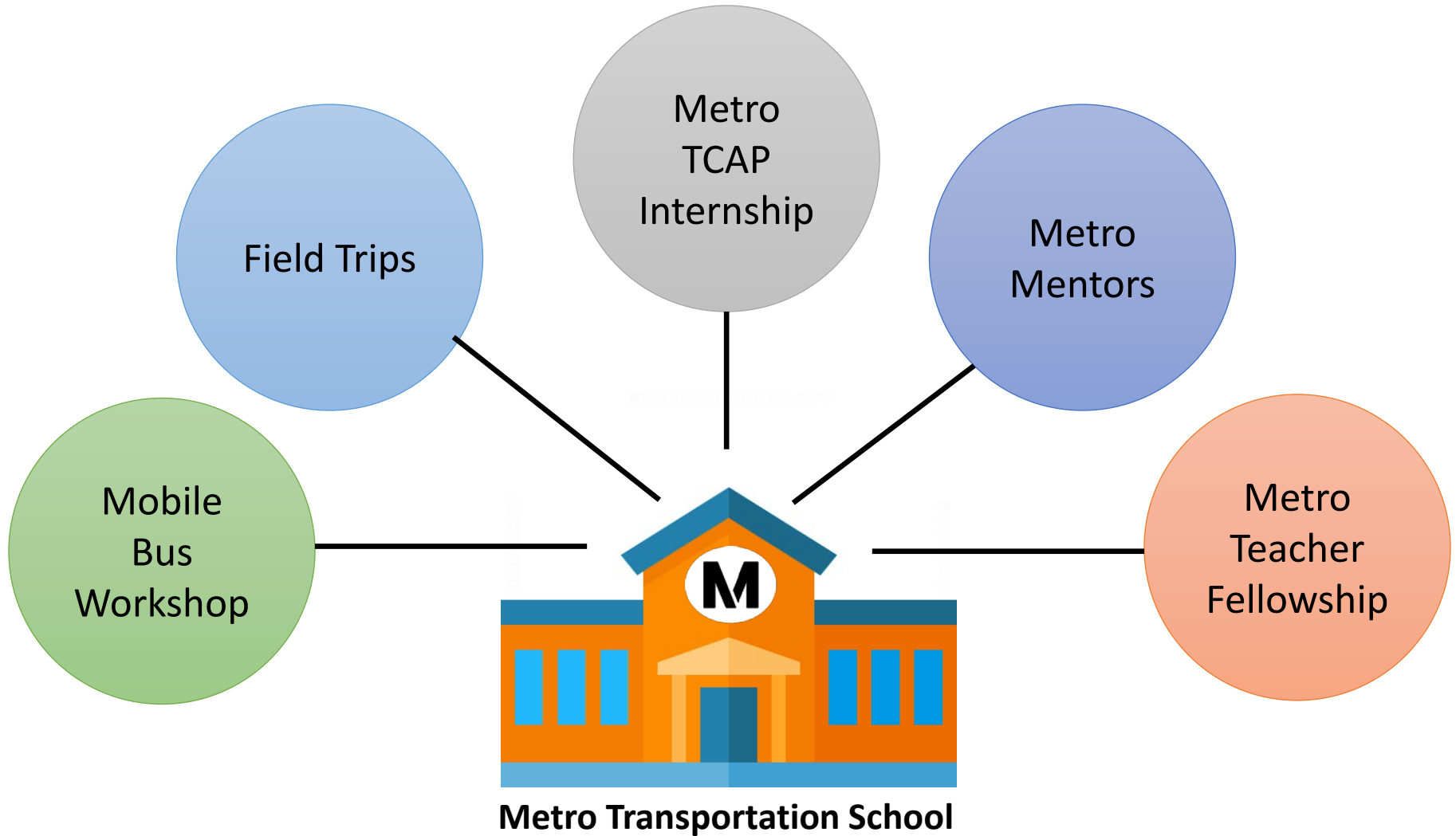
(Planning, Law, Public Relations, Real Estate, Communications)

SAFETY (Security/Police)



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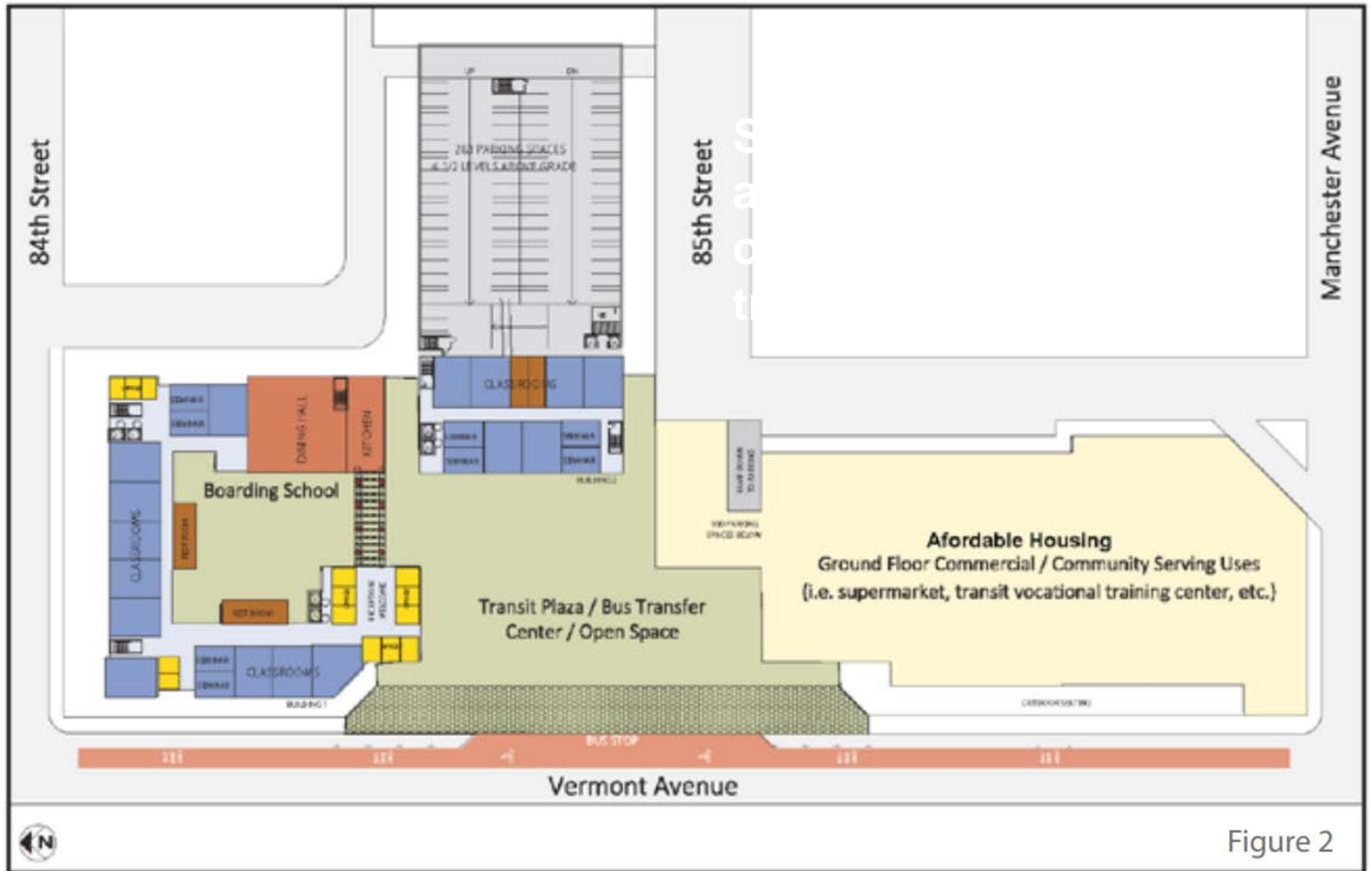
SUPPLEMENTAL E3 PROGRAM COMPONENTS (TBD)





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VERMONT-MANCHESTER SITE



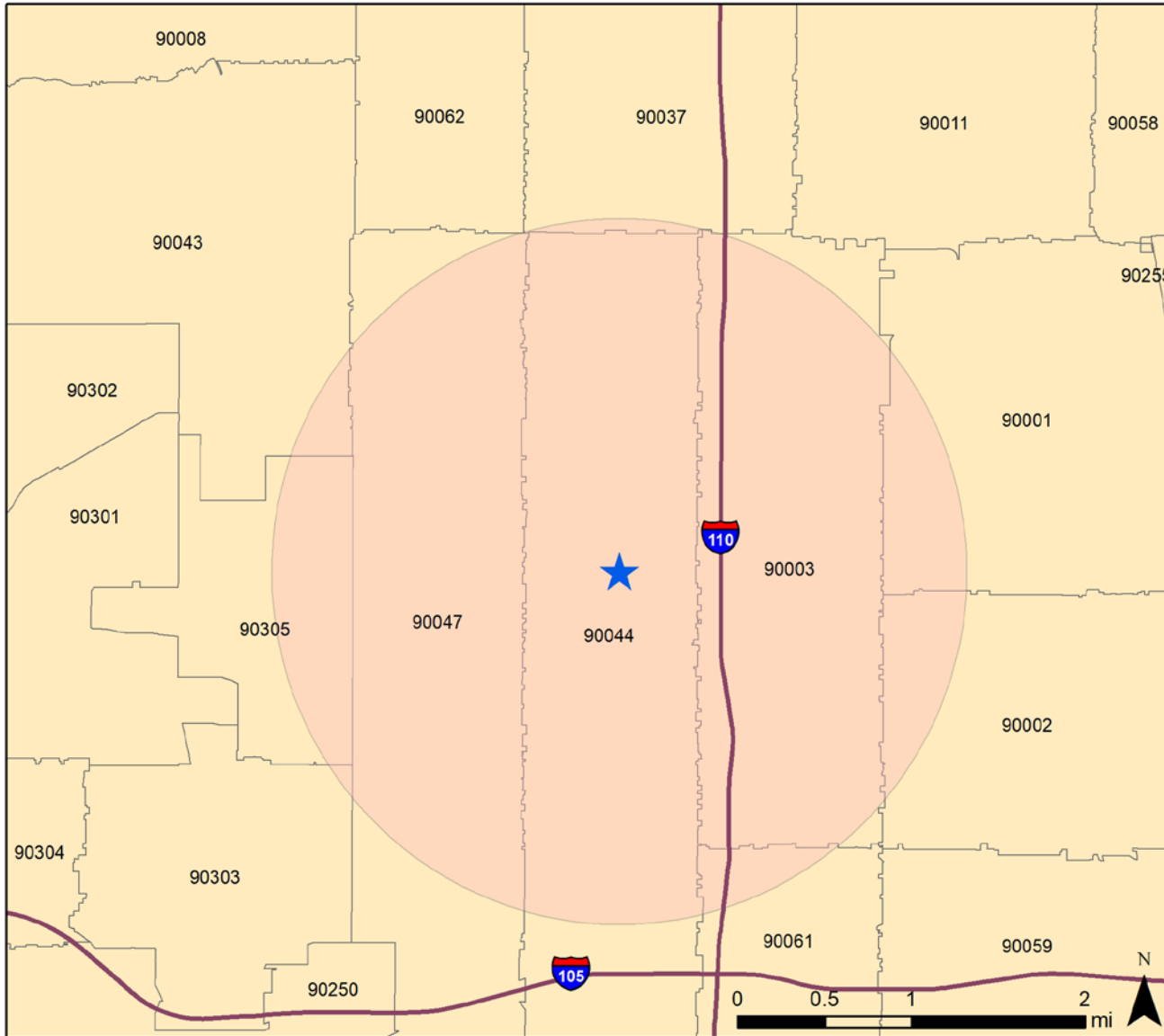
SOURCE: KFA Architects

Project Location Map & Site Plan are from RFP







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VERMONT-MANCHESTER SITE



Site Overview

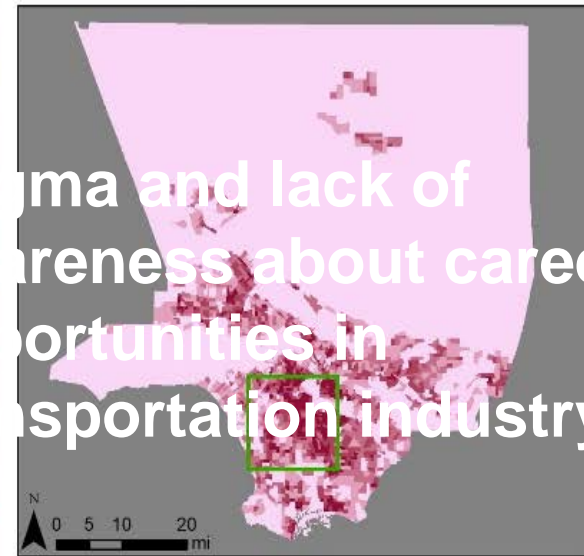
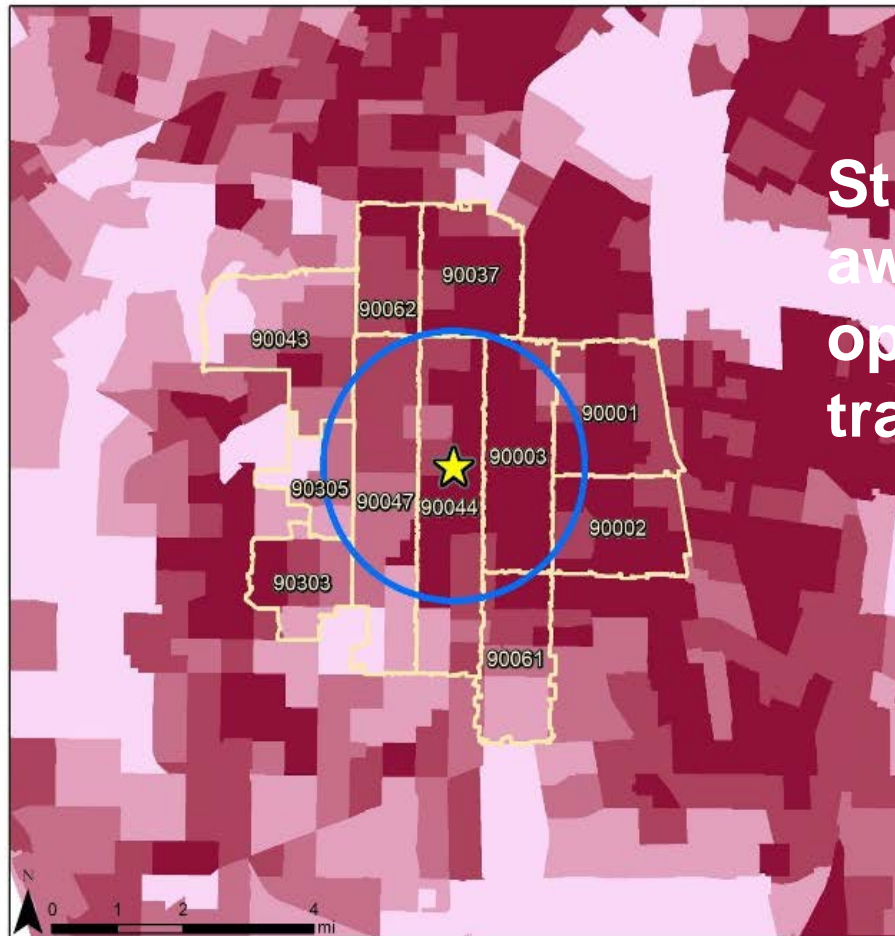
-  Proposed Site
-  Major Freeways
-  2-Mile Radius
-  LA County Zip Codes



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COMMUNITY NEED

Population Density of School Aged Children 5-18



Stigma and lack of awareness about career opportunities in transportation industry

Population Density of School Aged Children

★ Proposed Site

□ 2-Mile Radius

□ Surrounding Zip Codes

Population Density per Square Mile
Ages 5-18



0 - 698
699 - 1275
1276 - 1951
1952 - 3281
3282 - 21698

- Over 62,000 youth <18 live near the site
- Youth make up > 30% of the population in the area
- One of the highest youth population densities in the County



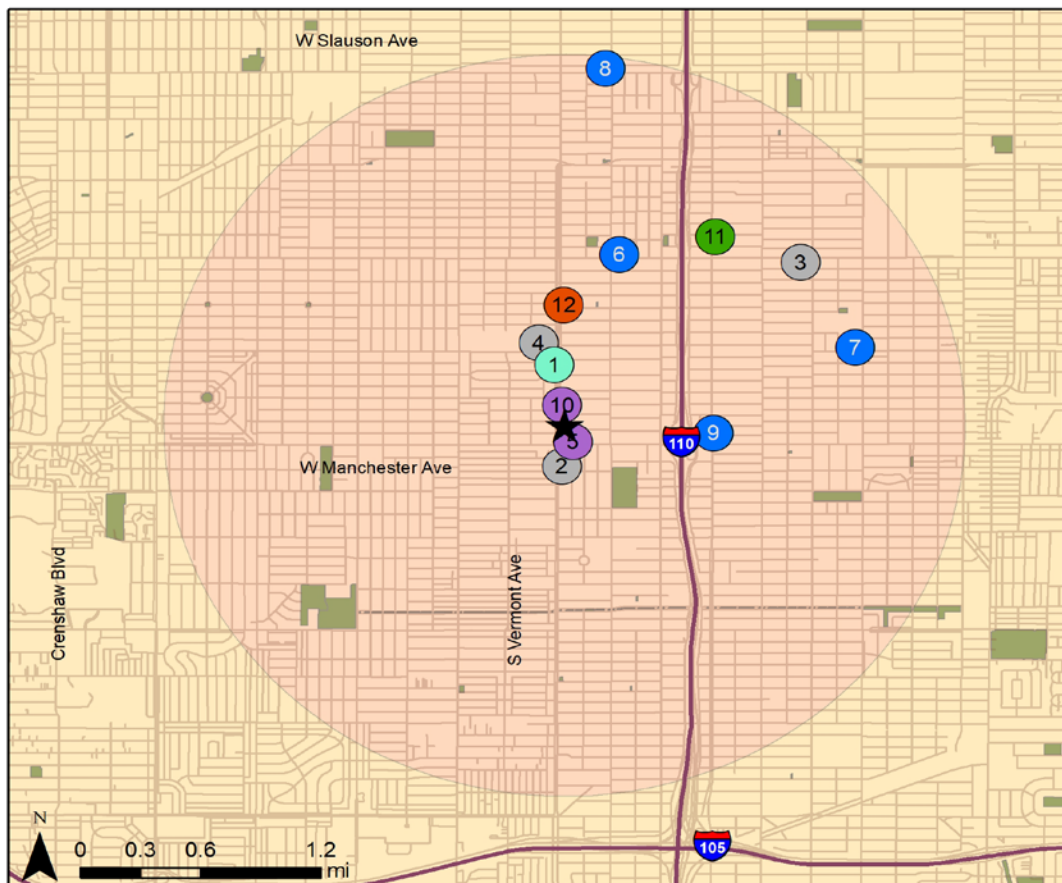
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COMMUNITY NEED

- **430 justice-system involved youth** in the 3 zip codes immediately surrounding the proposed site
- **1,691 foster youth** in Group Homes in the 8 zip codes surrounding the site
- **3.82%** of students in area schools are Homeless and **1.94%** are foster youth, compared to County averages of 3.6% and 0.83%
- **Teen Motherhood is 2X more likely in South LA** than all other County areas
- **11% of the homeless population in South LA are youth under 18**

CAPACITY TO SERVE YOUNG OPPORTUNITY YOUTH

Major Wraparound Service Providers Within 2 Miles of Manchester-Vermont Site



Services Directory

1. Children's Collective, Inc. (childcare)
2. Community Build Youth & Community Center (GRYD Prevention)
3. Chapter Two, Inc. (GRYD Intervention)
4. Vermont Village (GRYD Intervention)
5. The Children's Collective (FamilySource Center)
6. UMMA Community Clinic
7. UMMA Community Clinic--Fremont Wellness Center
8. St. John's Well Child Center
9. Planned Parenthood--Dorothy Hecht Health Center
10. Los Angeles County Department of Children and Family Services (DCFS)
11. Legal Aid Foundation of Los Angeles
12. Community Centers, Inc. (Work Source Center)

Services At Manchester-Vermont Site

- | | | |
|--------------------------------|-------------------------------|----------------------|
| ★ Proposed Site | ● Health Services | ■ Parks & Open Space |
| ● Childcare Services | ● Legal Aid & Social Services | ■ 2-Mile Radius |
| ● Community & Youth Services | ● Work & Employment Services | |
| ● GYRD Gang Reduction Services | — Major Freeways | |

Sources: Los Angeles County GIS Data Portal, TIGER/Lines 2014, Google Maps



Our joint goal is to create the workforce of tomorrow through this innovative education-industry partnership



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METRO'S ROLE



Provide students with the skills needed in the workplace that cannot be taught within the core academic curriculum.

Provide hands-on learning experiences such as project support, internships, mentorship, workshops and tours.