



## STAFF REPORT

DATE: OCTOBER 18, 2016  
 TO: HONORABLE MAYOR AND CITY COUNCIL MEMBERS  
 FROM: BILL SMITH, CITY MANAGER *BS*  
 PREPARED BY: DAVID X. KOLK, Ph.D., UTILITY DIRECTOR *DK*  
 SUBJECT: TRUCK ROUTE ORDINANCE

### RECOMMENDED ACTION

It is recommended that the City Council waive full reading, read by title only and introduce Ordinance O-20-16 amending Chapter 10 of the Colton Municipal Code by adding Chapter 10.60, Truck Route.

### BACKGROUND

The City of Colton requested Minagar & Associates, Inc. to review the currently designated and non-designated/unofficial truck routes within the City and adjacent to City limits, and to propose a master plan schedule and map of citywide heavy vehicle routes. The purpose of the study was to determine the best system of routing trucks through the City of Colton, in a manner which balances providing an efficient system of delivering goods and sub regional trucking connectivity, with the minimization of adverse truck noise, emissions, safety and visual impacts to local neighborhoods.

The evaluation of the City's existing truck route system considered: (1) historical truck routes in the City of Colton, (2) the current truck route list identified by the City of Colton in its recently adopted General Plan, and (3) the consideration of potentially new route additions or removals based on prevailing roadway, traffic and land use factors such as:

- Residential impacts;
- Pedestrian impacts;
- The interests of businesses and truck drivers;
- Transference of truck traffic to higher quality facilities;
- Regional and sub-regional access to truck terminals throughout the City;
- Connectivity to adjacent truck route networks of neighboring agencies;
- The City's mobility goals and policies outlined in the Circulation Element;
- Historical traffic volume characteristics (e.g., average daily traffic (ADT) volumes, truck mix data);
- Roadway geometrics and configurations (e.g., roadway functional classification, number of lanes, lane widths, intersection turning radii, street grade, horizontal curvature);
- Operational characteristics of the roadway (e.g., existing "truck route" signage entering and exiting city limits, prevailing traffic speeds, traffic signal controls); and
- Ensuring no dead ends.

## ISSUES/ANALYSIS

The designated truck route shall establish that all residential streets within the City of Colton are prohibited for use as an official truck route that are 10,000 pounds (5 tons) or more.

The following streets and portions of streets are designated and established as commercial vehicle truck routes:

1. Mill Street (within Colton City Limit)
2. Mt. Vernon Avenue (Washington Street to North City Limit)
3. Laurel Street ( Pennsylvania Avenue to La Cadena Drive)
4. La Cadena Drive ( Laurel Street to Mt. Vernon Avenue)
5. Colton Avenue (Mt. Vernon Avenue to East City Limit)
6. Fairway Drive ( Mt. Vernon Avenue to East City Limit)
7. Valley Boulevard ( within Colton City Limit)
8. Pepper Avenue (within Colton City Limit)
9. San Bernardino Avenue (Westerly City limit to Pepper Avenue)
10. La Cadena Drive ( Valley Boulevard to South City Limits)
11. Agua Mansa Road (West City limits to Rancho Avenue)
12. Riverside Avenue ( within Colton City Limits)
13. Iowa Avenue ( La Cadena Drive to South City limit)
14. M Street ( La Cadena Drive to Mt. Vernon Avenue)
15. Barton Road (within Colton City Limit)
16. Washington Street ( Mt. Vernon Avenue to East City Limit)
17. Hunts Lane ( Washington Street to North City Limit)
18. Rancho Avenue ( La Cadena Drive to Agua Mansa Road)

The following street segment is proposed for restrictions to allow only trucks with a kingpin-to-rear-axle (KPRA) length of 26 feet or less:

- Rancho Avenue (Valley Boulevard to Agua Mansa Road)

The restrictions will be lifted once the I-10/Rancho Avenue Eastbound On-ramp Project is completed. The on-ramp project is estimated to be completed by October 2017.

The Public Works Department sent copies of the Traffic Survey to the Cities of Rialto, San Bernardino, Loma Linda, Grand Terrace, Riverside and the County of San Bernardino for their review on February 13, 2014. Public Works Department did not receive any comments or suggestions from the various agencies. Public notice of this public hearing was provided sixty (60) days in advance of the hearing for four (4) consecutive weeks beginning August 8, 2016.

A copy of the study, along with a copy of the approved Ordinance, will be maintained in the Public Works Department files. Additional signs will be installed as needed to increase awareness of the Truck Routes.

### **FISCAL IMPACTS**

Adoption of the Ordinance will maintain the existing truck routes on most of the listed streets and establish new routes on others. Existing truck route signs will be updated for the new routes and additional signs will be installed as needed to increase motorist's awareness and to give the Police Department the rights of enforcement. The cost of the additional signs is included in the current Public Works and Engineering Department Citywide Traffic and Street Improvement Measure I account #218-1712-6150-3890.

### **ALTERNATIVES**

1. Provide alternative direction to staff.

### **ATTACHMENTS**

1. Exhibit A – 2016 Truck Route Master Plan
2. Exhibit B – Ordinance 0-20-16

## **Exhibit A**

### **Truck Route Master Plan**



City of Colton

# Citywide 2016 Truck Route Master Plan

### Legend:



City Limit

### Existing Truck Routes

- City of Colton (truck route to remain)
- City of Colton (subject to size restriction\*)
- Other Agency

### Proposed New Truck Routes

- City of Colton
- Other Agency
- Freeway (State Truck Route)
- Major Arterial / Collector Roadway
- Railway

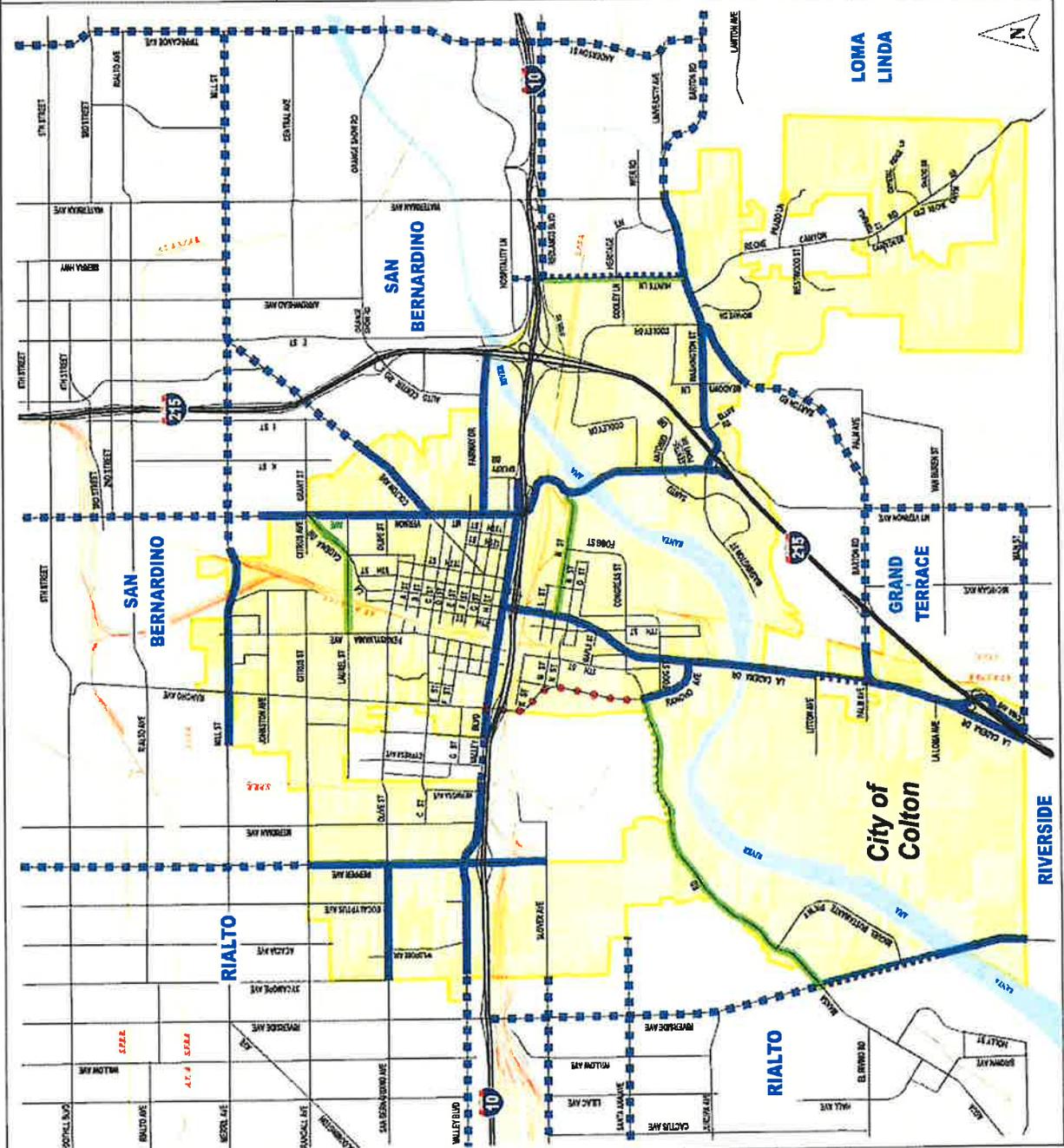
\* Tractor-Semis Over 26 Feet Kingpin to Rear Axle Prohibited

**MINAGAR & ASSOCIATES, INC.**

23 Years of Excellence



August 2, 2016



**TO #49**  
**Citywide 2016 Truck Routes Master Plan**  
 for the  
**City of Colton, CA**



**TRUCKS MUST USE TRUCK ROUTE**

**TRUCK ROUTE**  
↑

**COLTON CITY LIMIT**



**PREPARED FOR:**

**Public Works Department**  
 Engineering Division  
 160 S. Tenth Street  
 Colton, CA 92324



**CITY OF COLTON**

**Department of Community Services**  
 Planning Division  
 659 N. La Cadena Drive  
 Colton, CA 92324

**PREPARED BY:**

**MINAGAR & ASSOCIATES, INC.**

Traffic/Civil/Electrical Engineering – Transportation Planning – ITS – CEM  
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**August 2, 2016**



August 2, 2016

Mr. Victor Ortiz, PE  
Acting City Engineer  
City of Colton  
Public Works Department - Engineering Division  
160 S. Tenth Street  
Colton, CA

**RE: Final Citywide 2016 Truck Routes Master Plan (TO#49) for the City of Colton**

The City of Colton requested Minagar & Associates, Inc. to review the currently designated and non-designated/unofficial truck routes within the city and adjacent to city limits, and to propose a master plan schedule and map of citywide heavy vehicle routes. The purpose of the study was to determine the best system of routing trucks through the City of Colton, in a manner which balances providing an efficient system of delivering goods and subregional trucking connectivity, with the minimization of adverse truck noise, emissions, safety and visual impacts to local neighborhoods.

The evaluation of the City's existing truck route system considered: (1) historical truck routes in the City of Colton, (2) the current truck route list identified by the City of Colton in its recently adopted General Plan, and (3) the consideration of potentially new route additions or removals based on prevailing roadway, traffic and land use factors such as:

- Residential impacts;
- Pedestrian impacts;
- The interests of businesses and truck drivers;
- Transference of truck traffic to higher quality facilities;
- Regional and subregional access to truck terminals throughout the city;
- Connectivity to adjacent truck route networks of neighboring agencies;
- The City's mobility goals and policies outlined in the Circulation Element;
- Historical traffic volume characteristics (e.g., average daily traffic (ADT) volumes, truck mix data);
- Roadway geometrics and configurations (e.g., roadway functional classification, number of lanes, lane widths, intersection turning radii, street grade, horizontal curvature);
- Operational characteristics of the roadway (e.g., existing "truck route" signage entering and exiting city limits, prevailing traffic speeds, traffic signal controls); and
- Ensuring no dead ends;

**Proposed Truck Route Removals**

The following segment is proposed for restrictions to allow only trucks with a kingpin-to-rear-axle (KPRA) length of 26 feet or less:

- Rancho Avenue - *Valley Boulevard to Agua Mansa Road*
  - Class III bikeway (shared-lane bike route)



- “Pedestrian Street” classification south of Valley Boulevard to N Street
- Horizontal and vertical curvature

### Proposed Truck Route Additions

The following segments are proposed to be added to the City of Colton's designated truck route system:

- Aqua Mansa Road - Riverside Avenue to Rancho Avenue (Within City Limits)
  - Exclusive truck land uses.
  - Continuity with the adjacent City of Rialto truck route.
- Fairway Drive – Mount Vernon Avenue to East City Limits
  - Maintain continuity with and accessibility between the City's arterial system and the Interstate Highway System (I-215 ramps)
  - Access to exclusive industrial/truck-based land uses east of the flood control channel (Santa Ana River/Warm Creek).
- Hunts Lane – North City Limit (Redlands Boulevard / Steel Road) to Washington Street
  - Exclusive truck land use access; no residential driveways facing Hunts Lane.
  - 40 mile per hour posted speed limit.
- Laurel Street - Pennsylvania Avenue to N. La Cadena Drive, and N. La Cadena Drive - Laurel Street to Mount Vernon Avenue
  - Infrastructure improvements along the rail corridor will enhance safety and improve traffic circulation for truck traffic.
  - The Laurel Grade Separation Project that is currently under construction at the existing six-track BNSF railway trucks will be completed by July 1, 2016.
- S. La Cadena Drive – Iowa Avenue to South City Limits; and Iowa Avenue – La Cadena Drive to South City Limits
  - Maintain continuity with and accessibility between the City's arterial system and the Interstate Highway System (I-215 ramps)
  - 45 mile per hour posted speed limit.
- M Street – S. La Cadena Drive to Mount Vernon Avenue
  - Preferred and more direct alternate route to Congress/Fogg for trucks traveling between La Cadena Drive and Mount Vernon Avenue.
  - Fogg Street bridge vertical clearance is insufficient for some trucks.
  - New traffic signals warranted at several locations on South La Cadena Drive (M Street, Rancho Avenue, Litton Avenue, etc.) will improve traffic flow and maintain safe movements for trucks.
- Valley Boulevard – Mount Vernon Avenue to Sperry Road
  - Maintain continuity with and accessibility between the City's arterial system and the Interstate Highway System (I-10 Westbound Off-Ramp to Mount Vernon Avenue).
  - Exclusive truck land use access on north side; No driveway access on south side of street—abutted by I-10 right-of-way.



**TECHNICAL MEMORANDUM  
CITYWIDE 2016 TRUCK ROUTES MASTER PLAN (TO#49) FOR THE CITY OF COLTON**



Based on the above discussion, we recommend that the proposed final citywide truck route master plan and attached map be presented to the City Council as a standalone document for their consideration and approval. Should you have any further questions regarding our assessment, please do not hesitate to contact me at (949)727-3399, ext. 2# or more conveniently via e-mail at [minagarf@minagarinc.com](mailto:minagarf@minagarinc.com).

Thank you.

Sincerely,

**MINAGAR & ASSOCIATES, INC.**

A handwritten signature in black ink, appearing to read "Fred Minagar".

Fred Minagar, MS, PE, RCE, FITE  
Principal/Contract City Traffic Engineer

Attachments: Citywide 2016 Truck Route Master Plan

## **Exhibit B**

ORDINANCE O-20-16



1 **10.60.020 DESIGNATED.**

2 (A) The use of all streets within the City by any vehicle exceeding a gross weight of 6,000  
3 pounds, except upon the Truck Routes specified in Section 10.60.020(B) is prohibited. A vehicle  
4 in excess of 6,000 pounds up to a maximum of 14,000 pounds, including its load, may utilize  
5 the streets and portions of streets designated as Truck Routes. Except as otherwise provided in  
6 Section 21101 et seq. and Section 35701 et seq. of the California Vehicle Code, no vehicle in  
7 excess of 14,000 pounds, including its load, shall utilize the streets and portions of streets  
8 designated as Truck Routes.  
9

10 (B) The specified portions of the following public streets are hereby designated as “Truck  
11 Routes.”  
12

- 13 1. Mill Street (within Colton City Limits)
- 14 2. Mt. Vernon Avenue (Washington Street to North City Limits)
- 15 3. Laurel Street (Pennsylvania Avenue to La Cadena Drive)
- 16 4. La Cadena Drive (Laurel Street to Mt. Vernon Avenue)
- 17 5. Colton Avenue (Mt. Vernon Avenue to East City Limits)
- 18 6. Fairway Drive (Mt. Vernon Avenue to East City Limits)
- 19 7. Valley Boulevard (within Colton City Limits)
- 20 8. Pepper Avenue (within Colton City Limits)
- 21 9. San Bernardino Avenue (Westerly City limit to Pepper Avenue)
- 22 10. La Cadena Drive (Valley Boulevard to South City Limits)
- 23 11. Agua Mansa Road (West City limits to Rancho Avenue)
- 24 12. Riverside Avenue (within Colton City Limits)
- 25 13. Iowa Avenue (La Cadena Drive to South City Limits)
- 26 14. M Street (La Cadena Drive to Mt. Vernon Avenue)
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1 15. Barton Road (within Colton City Limits)

2 16. Washington Street (Mt. Vernon Avenue to East City Limits)

3 17. Hunts Lane (Washington Street to North City Limits)

4 18. Rancho Avenue (La Cadena Drive to Agua Mansa Road)

5  
6 (C) The following street segment is proposed for restrictions to allow only trucks with a kingpin-  
7 to-rear-axle (KPRA) length of 26 feet or less:

8 1. Rancho Avenue (Valley Boulevard to Agua Mansa Road)

9  
10 **SECTION 2:** If any provisions of this Ordinance or application thereof to any person or  
11 circumstances is held invalid, this invalidity shall not affect other applications of this Ordinance  
12 which can be given effect without the invalid provision or applications, and to this end, the  
13 provisions of this Ordinance are declared to be severable. This Ordinance shall be liberally  
14 construed to achieve the purposes of this Ordinance and to preserve its validity.  
15

16  
17 **SECTION 3:** The City Clerk shall certify to the passage of this Ordinance and cause same  
18 or a summary thereof to be published within fifteen (15) days after adoption in a newspaper of  
19 general circulation, printed and published in Colton, California and the Ordinance shall take  
20 effect thirty (30) days after its enactment in accordance with the provisions of California law.  
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22 **SECTION 4:** These Truck Routes are based upon an Engineer's Traffic Study on file in  
23 the City Clerk's Office.  
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**PASSED, APPROVED AND ADOPTED** This 18<sup>th</sup> Day of October 2016.

\_\_\_\_\_  
**RICHARD DELAROSA**  
Mayor

**ATTEST:**

\_\_\_\_\_  
**CAROLINA PADILLA**  
City Clerk