

City of Morgan Hill

2014-2015 Parking Lot Seal Coat Project

Scope of Work and Technical Specifications

SCOPE OF WORK

Furnish all labor, equipment, materials and performance of operation in connection with the application of Asphalt Pavement Coating, including but not limited to:

- Remove and sterilize any incidental vegetation
- Repair cracks with hot applied product(s)
- Patch low areas and failed pavement
- Clean pavement surface
- Application of bond coat (if required)
- Application of under sealer coat with 2 lb- 30 mesh sand/ gal sealer
- Application of top sealer coat; no granular or aggregate additives
- Re-stripping to match existing

MATERIALS

Asphalt Pavement Coating will meet the following specifications or approved alternative:

SPECIFICATIONS	LIMITS	TEST METHODS
Residue, %	60-70	ASTM D 2939
Flexibility	Pass	ASTM D 2939**b
Solubility of residue in C ₂ HCL ₃ , %	89-95	ASTM D 2042
Firm Set	90 Min	ASTM D 2939 **a
Ash content of insoluble residue, %	70 min	ASTM D 2939
Viscosity @ 77°F, Brookfield Spindle #3, 20 RPM	300-400 Cps	
Water resistance	Pass	ASTM D 2939 alt (b)

**Modifications

- (a) Test @ 30 min. intervals cast on 15# felt
- (b) Air dry to constant weight @ 75+/- 10% relative humidity;

Condition mandrel and specimens 2 hours @ 60°F before test

SURFACE PREPARATION

- Damaged asphalt and areas completely saturated by oil or grease shall be removed and replaced or repaired as required.
- All weed or other vegetation growing through the asphaltic concrete shall be removed and sprayed with a suitable chemical sterilant in accordance with the City of Morgan Hill's Integrated Pest Management Plan for Facilities, Parks, Streets and Public Open Space.
- Thoroughly clean all cracks of foreign matter. Cracks 1/8" to a maximum of 1/2" in width should be cleaned and filled with crack filler, per manufacturer's recommendations. Cracks wider than 1/2" should be repaired with asphaltic concrete. Allow crack filler to cure prior to sealing. All cracks under 1/8" should be filled with multiple coats of sealer.
- The surface must be free of all foreign material, such as sand, dust, clay and grease, which might adversely affect bonding of the sealer. High pressure air blowers, vacuums or sweepers shall be used to remove these objectionable materials. Where there are deposits of grease and oil, these areas must be cleaned by scraping, burning and/or the use of a detergent. Trisodium Phosphate and a stiff brush should be used to scrub area clean. When detergents are used, the pavement shall be thoroughly rinsed with water, maintaining all environmental controls to assure no intrusion to storm systems or waterways. After cleaning and removing grease and oil spots, seal areas with oil spot sealant.

BOND COAT (if required*)

- A tack coat consisting of one (1) part emulsified asphalt binder (SS-1h) and four (4) parts water, shall be uniformly applied over the entire surface at the rate of .05 to .10 gallon per square yard. Sweep out any "pools" of wet binder remaining in the depressions. Allow to dry before applying sealer. *A bond coat is recommended in any case where the bond between the asphalt pavement and sealer may be questionable.

EQUIPMENT

- Mixing or agitating equipment furnished shall be a tank-type power mixer with a round bottom and equipped with a power driven mixer of sufficient capacity to maintain the mineral content in complete suspension.
- The mixture shall be applied by the combined or individual use of rubber faced squeegees and/or mechanized material spreading equipment or other suitable method approved by the inspector.

APPLICATION PROCEDURES

- Sealer shall be mixed to a uniform free-flowing consistency. Water shall be added (not to exceed 15% by volume) to obtain a semi-fluid consistency.
- Prior to the first application of sealer in extremely hot weather, dampen the surface with water. Remove any excess water to leave the surface only slightly damp.
- Sealer should be applied to the area in continuous parallel lines and spread immediately by use of rubber faced squeegees and/or mechanized material spreading equipment.

APPLICATION – NEW PAVEMENT OR OLD PAVEMENT WITH ONLY MINOR VOIDS

- First application – to each gallon of Sealer should be added 2 lbs of 30 mesh sand. Water shall be added to obtain a semi-fluid consistency.
- Subsequent application – Final application will be made using a minimum of 40 gallons of undiluted sealer per 1,000 square feet of area. The surface will be smooth and uniform, showing no evidence of course or uneven texture.

GENERAL

- Asphalt should be fully cured before application (new pavement – allow at least 30 days before application)
- Weather limitation – No part of the construction involving the application of sealer shall take place during or just prior to rainfall or freezing temperatures. Air temperature shall be at least 55°F and rising, or as per manufacturers recommendations. Do not apply if rain is forecast within 48 hours after application.
- Curing time – As per manufacturer’s specs, generally as soon as application is dry to the touch and won’t scuff under normal walking another application may be made.
- Contractor will supply the City of Morgan Hill with scale tags for the project with the following information: Product, Project Name, Gallons/Tons supplied to the project.
- Contractor will supply all MSDS (or MDS) for all materials used on the project.

Project Areas

All quantities are estimates. It is the contractor’s sole responsibility to ensure accuracy by verifying field measurements for accurate bidding.

Morgan Hill Corporation Yard, 100 Edes Ct.

- Estimated seal area: 54,000 ft²
- Estimated striping quantities
 - 1340 linear feet 4” white striping
 - 32 linear feet 4” blue striping

- 5 ea 4" white line hash areas adjacent to handicap stalls
- 1 ea white on blue HC legends
- 10 ea directional arrows

Community and Cultural Center

- Estimated seal area: 96,850 ft²
- Estimated striping quantities
 - 3690 linear feet 4" white striping
 - 48 linear feet 4" blue striping
 - 5 ea 4" white line hash areas adjacent to handicap stalls
 - 9 ea white on blue HC legends

Paradise Park, La Crosse Circle near Calle Enrique

- Estimated seal area: 5,400 ft²
- Estimated striping quantities
 - 248 linear feet 4" white striping
 - 44 linear feet 4" blue striping
 - 2 ea 4" white line hash areas adjacent to handicap stalls
 - 2 ea white on blue HC legends
 - 4 ea directional arrows



COMMUNITY SERVICES DEPARTMENT

17575 PEAK AVENUE
MORGAN HILL, CA 95037

GENERAL: (408) 779-7271
FAX: (408) 779-3117

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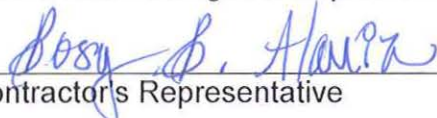
ADDENDUM NO. 1

DATE: May 5, 2015
TO: All Potential Bidders of the 2014-2015 Parking Lot Seal Coat Project
FROM: Dale Dapp – CITY OF MORGAN HILL
SUBJECT: Clarification Questions and;
Revised Bid Schedule – 2014-2015 Parking Lot Seal Coat Project

1. Please use the attached revised Bid Schedule for the 2014-2015 Parking Lot Seal Coat Project bid that is due on Monday, May 18, 2015 at 11:00 a.m.
2. Will a bond coat be required?
Bond coat will only be required at the Corporation Yard facility located at 100 Edes Court (approximately 1,000 sq. ft.)
3. Will the work be done during normal weekday hours?
Yes, the project work hours are Monday through Friday, 7 a.m. to 7 p.m.
4. Do we need to bid item to "Repair Failed Asphalt?"
Yes, this item has been added to the revised bid schedule.
5. What is the correct square footage for the Seal Coat of the parking lots?
It is 156,250 square feet and has been corrected on the revised Bid Schedule.
6. How do we know who won this bid?
Please call the City of Morgan Hill at (408) 778-6480, and ask for the Bid Summary Sheet for the Parking Lot Seal Coat Project.

ADDENDUM ACKNOWLEDGMENT

Bidder acknowledges receipt of this addendum, which shall be attached to the proposal.


Contractor's Representative


Date

THIS DOCUMENT AND THE ATTACHMENTS SHALL BECOME PART OF THE PROJECT'S SPECIFICATION

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Parking Lot Seal Coat – Addendum #1



ADDENDUM NO. 2

DATE: May 12, 2015
TO: All Potential Bidders of the 2014-2015 Parking Lot Seal Coat Project
FROM: Dale Dapp – CITY OF MORGAN HILL
SUBJECT: Revised Bid Schedule 2014-2015 Parking Lot Seal Coat Project
Additional Project Areas and Quantities

1. Please use the attached **Addendum #2 Revised Bid Schedule** for the 2014-2015 Parking Lot Seal Coat Project bid that is due on Monday, May 18, 2015 at 11:00 a.m.
2. The following Project Areas are being added to the Scope of Work and Technical Specifications. The Revised Bid Schedule has been updated to reflect the additional scope.

Parking Lot between 1st and 2nd Streets (West of Monterey)

- Estimated seal area: 13,666 sq. ft.
- Estimated striping quantities:
 - 568 linear feet 4" white striping
 - 32 linear feet 4" blue striping
 - 2 ea 4" white line hash areas adjacent to handicap (HC) stalls
 - 2 ea white on blue HC legends

Parking Lot between 2nd and 3rd Streets (East of Monterey)

- Estimated seal area: 21,278 sq. ft.
- Estimated striping quantities:
 - 692 linear feet 4" white striping
 - 32 linear feet 4" blue striping
 - 3 ea 4" white line hash areas adjacent to HC stalls
 - 4 ea white on blue HC legends
 - 6 ea directional arrows

Farmers Market Parking Lot

- Estimated seal area: 33,314 sq. ft.
- Estimated striping quantities:
 - 816 linear feet 4" white striping
 - 2 ea 4" white line hash areas adjacent to HC stalls



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- 2 ea white on blue HC legends
 - 2 ea Stop Legend and Bar
 - 1 ea 6' by 25' white line hash pedestrian walkway

ADDENDUM ACKNOWLEDGMENT

Bidder acknowledges receipt of this addendum, which shall be attached to the proposal.

Booy B. Hanna
Contractor's Representative

5/19/15

Date

THIS DOCUMENT AND THE ATTACHMENTS SHALL BECOME PART OF THE PROJECT'S SPECIFICATION