

December 23, 2021

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City of Griffin
100 S. Hill St.
Griffin GA 30223

Re: Final Engineering Inspection Report Project Number 21-0420
Existing Precast Concrete Parking Structure Next to City Hall
List of tasks that were not included in IMMEC's scope that still need to be addressed

Dear ██████████,

I have completed a post project inspection of the existing Elevated parking deck next to Griffin City Hall. Please find below a summary of the tasks that still need to be completed by others and example photos of the areas needing repair. I will list the items in importance of what should be addressed first:

1. All of the expansion joints in the deck need to be replaced including addressing any damaged or cracked concrete on either side of the expansion joint. The expansion joints should be as waterproof as possible.
2. The existing aluminum handrail at the center of the parking deck at the ramps is cracked and loose. They will not hold the required pedestrian load per the building codes. The handrails can be welded back together and reattached to the existing columns.
3. There are several cracks throughout the deck that need to be waterproofed. These are expansion related cracks which are expected in any concrete structure and these crack need to be sealed to keep out water and its damaging effects.
4. The exposed concrete at the top of the parking deck needs to be sealed/painted. This includes the tops of the columns and beams and the deck exposed to the weather.
5. There are several places in the existing deck, beams, and columns where concrete has been spalled and rebar is exposed. These areas should be cleaned up, removing any loose concrete, coating with a corrosion inhibiting sealer and then shim coated with grout.
6. All exposed steel that is rusting in the parking deck should be cleaned and painted.

Please find on the next pages numbered photos that are an example of each and several general area photos. These photos represent examples and are not all inclusive. Please let me know if you have any questions or comments. Thank you for this opportunity to serve you.

Sincerely,



Bill Thornton, P.E.
Engineering Manager
IMMEC, Inc
Cell - 404-550-2878



12-23-21



Photo 1 Existing Expansion Joints to be Completely Removed and Rebuilt



Photo 1A Closeup of Expansion Joint



Photo 2 Existing Aluminum Handrail to be Repaired



Photo 2A Aluminum Handrail and Spalling Concrete



Photo 3 Crack in need of Recaulking



Photo 4 Top Concrete that need to be sealed



Photo 4A



Photo 5 Deck Spalling Concrete



Photo 5A Column Spalling Concrete



Photo 5B Spalling Deck



Photo 5C Beam Spalling



Photo 6 Paint Exposed Steel Shimes



Photo 6A Paint Exposed Steel Reinforcements (Competed by Others)