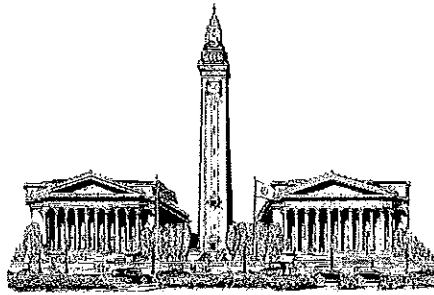


**DEPARTMENT OF
PUBLIC WORKS**

70 TAPLEY STREET
SPRINGFIELD, MA 01104



CITY OF SPRINGFIELD
MASSACHUSETTS

December 16, 2016

Mr. Brian Packer
Vice President – Construction & Development
101 State Street, Suite 701
Springfield, MA 01103

**Re: Transportation Improvement
Traffic Sign & Pavement Marking Plan
MGM Springfield**

Dear Mr. Packer,

The Department of Public Works is in receipt of TEC's submission of the transportation improvement project / off-site mitigation site plan MGM Casino Project in Springfield. The following documents have been reviewed as part of this submittal:

- Plan set titled: **Transportation Improvement Project / MGM Springfield Off-Site Mitigation-** prepared by TEC, Inc. Dated 2/5/2016.
- Design Exception Report titled: **MGM Springfield Off-Site Improvements,** prepared by TEC, Inc. Dated 2/5/2016.
- Functional Design Report titled: **MGM Springfield Off-Site Improvements,** prepared by TEC, Inc. Stamped and Dated 2/5/2016.
- Plan set titled: **Transportation Improvement Project / MGM Springfield Off-Site Mitigation-** prepared by TEC, Inc. Dated 5/17/2016.
- Accompanying Memorandum, prepared by TEC, Inc. Dated 5/23/2016.
- Plan sheet titled: **Traffic Sign & Pavement Marking Plans
Main Street – 3** prepared by TEC, Inc. Dated 8/3/2016.
- Plan sheet titled: **Traffic Sign & Pavement Marking Plans
Main Street – 4:** prepared by TEC, Inc. Dated 8/3/2016.
- Plan set titled: **Transportation Improvement Project / MGM Springfield Off-Site Mitigation-Draft PS&E Submittal,** prepared by TEC, Inc. Dated 8/11/2016.
- Plan titled: **MGM Springfield Off-Site Mitigation-** prepared by TEC, Inc. Sheet 28. Dated 10/13/2016.
- Plan titled: **MGM Springfield Off-Site Mitigation-** prepared by TEC, Inc. Sheet 51. Dated 10/13/2016.

- Plan titled: **MGM Springfield Off-Site Mitigation-** prepared by TEC, Inc. Sheet 76. Dated 10/12/2016.

The Department of Public Works has reviewed and approved your submission pending the following requirements / conditions:

1. All work shall be done in accordance with the Department of Public Works - Engineering Division's 2016 "*Manual for Occupancy of Public Ways within the City of Springfield*", (the "*Street Occupancy Manual*"). Additional requirements may be specified at the discretion of the Director of Public Works or his designee.
2. All work under this contract shall be done in conformance with the MassDOT Standard Specifications for Highways and Bridges dated 1988, the MassDOT Supplemental Specifications dated July 1, 2015, and the MassDOT Interim Supplemental Specifications dated March 4, 2016; the 2014 MassDOT Construction Standard Details, the 1990 MassDOT Standard Drawings for Signs and Supports; the 1996 MassDOT Construction and Traffic Standard Details (as relates to the Pavement Markings details only); the 2009 Manual on Uniform Traffic Control Devices (MUTCD) with Massachusetts Amendments and the Standard Municipal Traffic Code ; the 1968 MassDOT Standard Drawings for Traffic Signals and Highway Lighting ; the latest edition of American Standard for Nursery Stock; the TEC Contract Plans and Special Provisions.
3. The Contractor is hereby notified that they are ultimately responsible for constructing all project elements in strict compliance with the current AAB/ADA rules, regulations and standards. All work not in compliance will be removed and reconstructed at the Contractor's expense.
4. The City may conduct separate work associated with milling and paving operations prior to the work shown on Lyman St, Kaynor St., Talyor St., and West St in the above referenced plans. The Contractor shall ensure that the work shown in areas that are anticipated to be milled is coordinated in a timely manner to minimize the exposure of traffic to milled roadway surfaces as well as to avoid damage to the final pavement structure. Upon completion of milling operations the Contractor's work shown in the drawings will be coordinated as necessary to permit the final placement of the pavement surface by the City and the final placement of traffic paint by the Contractor.
5. Prior to receiving a permit from the Department of Public Works for any work related to this project, for work within the public right-of-way, The Contractor shall provide a Performance Surety in the form of either a bond, letter of credit, or other Department approved financial guarantee to be posted in a manner satisfactory to the Department in an amount of 150% of the value of the work to be performed for a reasonable period of time that the Department deems sufficient to guarantee construction quality and operating performance. The Performance Surety for the work shall be released upon approval of the work.

6. Any construction involving excavation of roadway surfaces within the public right-of-way shall not be permitted during the period of December 1st to April 1st of the following year. Any exceptions to the above may be granted only by the Director of Public Works, or his designee. The contractor is responsible for the maintenance of any and all excavations until final approved surfacing or pavement patching is completed.
7. The City highly suggests that Contractors selected to do the work be have been prequalified within the previous year by the Massachusetts Department of Transportation in the specific class of work with a single contract limit at or above the dollar value of the work to be performed.
8. Prior to being able to apply for a street excavation permit, applicants are required to become a "licensed contractor" in the City. Application forms and required submission material are located in Appendix B of the Street Occupancy Manual. No excavation permits can be processed until a contractor is determined to be fully licensed. Applications for contractor licensing approval and excavation permits applications for the same contractor will not be processed simultaneously.
9. All individuals, companies, businesses, contractors, or any other entity that wishes to occupy any portion of the City designated right-of-way on a public or private way, must apply for a "Street Occupancy Permit", Appendix A, within the Street Occupancy Manual, "Street Occupancy Permit Application Form". This form is also available at the DPW – Engineering Division at 70 Tapley Street in Springfield. In all cases, the entity that will be occupying the public way is the entity that is required to obtain the permit. For example, a building owner or property manager cannot obtain a permit for a contractor performing work at their site.
10. Contractors shall make their own investigation in order to assure that no damage to existing structures, drainage lines, traffic signal conduits, traffic detection wires, etcetera, will occur.
11. The Contractor shall notify Massachusetts DIG SAFE and procure a Dig Safe Number for each location prior to disturbing existing ground in any way. The telephone number of the Dig Safe Call Center is 811 or 1-888-344-7233, 1-888-DIG-SAFE.
12. The Contractor doing the work shall notify the City 48 hours in advance of any scheduled work. The Contractor shall notify the City 48 hours in advance of any scheduled work, which may involve the posting of NO PARKING signs. All signs will be furnished by the Contractor. Upon proper notification the City will coordinate the posting with the proper authorities.
13. Failure to provide proper notification as stipulated in the previous comment may result in the denial of the proposed work by the City.

14. The Contractor performing the work shall be responsible for contacting all effected public and private utility companies and provide adequate notice THREE (3) WEEK MINIMUM prior to commencement of work. All work shall comply with the rules and regulations of the utility impacted.
15. All privately owned utility manholes shall be replaced or adjusted to grade as directed by the affected utility. It shall be the responsibility of the Contractor to notify the utility responsible for the structure and to coordinate the work a minimum of THREE (3) WEEKS prior to the work being performed.
16. If the Contractor requests the use of detours, he/she shall submit to the City for approval maintenance and protection of traffic plan, as per Springfield's Street Occupancy Manual. The Plan shall indicate the days for which the detours, the type, quantity and location of the traffic control devices and the alternate route are requested to maintain traffic.
17. The Contractor shall at a minimum provide uniformed traffic control personnel at each end of the construction site, signal related work, and during base reclamation and paving operations and when directed by the City Engineer.
18. If a proposed detour, in the opinion of the Director, adversely affects vehicular traffic or pedestrian safety, then said detour will not be allowed and the Contractor must develop and implement a plan that does not require a detour. In such cases, at least one lane of traffic shall be maintained at all times while work is in progress.
19. Detours will be allowed only during such times that work is in progress. At the end of each workday, the detours will be removed. The streets shall be made safe for full utilization prior to the Contractor ending work each day.
20. The Contractor shall be responsible for providing, placing and maintaining all detour signs, barricades and lights in accordance with the traffic plan submitted and approved. All signs, barricades and lights shall be in accordance with Springfield Specifications and the current Manual of Uniform Traffic Control Devices and Massachusetts Amendments.
21. Where this work requires work to be performed on or affecting traffic upon a State Highway, the Contractor shall notify the appropriate officials and conform to the regulations of the State consistent with the MassDOT's separately issued permit.
22. If the contractor intends to fully close a road to traffic, the contractor is responsible for obtaining a road closure permit in advance from the DPW – Engineering Division. On duty police personnel do not have the authority to approve road closures.

23. Contractors who call for police details will be required to produce a valid occupancy /excavation permit prior to the Police allowing activities to begin. If a valid permit is not presented work will not be allowed to begin and the contractor will be liable for costs associated with all requested police services.
24. All excavations occurring in the City of Springfield require that Dig-Safe notification be completed. Contractors will not be able to apply for an excavation permit until a Dig-Safe number has been applied for and obtained. It should be noted that the Springfield Water & Sewer Commission is not part of the Dig-Safe program, and will have to be notified directly by the applicant regarding mark-out of those utilities.
25. Contractors are required to notify the DPW - Engineering Division if excavation extends past the dates specified on the permit.
26. Contractors are required to notify the DPW - Engineering Division when the work is complete. Failure to notify the DPW- Engineering Division will result in additional "per day" fees being charged to the Contractor.
27. The Contractor shall submit to the City Engineer a detailed schedule of operations at the time of the permit application which will be by used the Department of Public Works for permit coordination, to assess traffic impacts, and public notifications.
28. The schedule shall reflect the proposed methods, the sequence of work, and the time of completion of the various phases of the work including punch list work, clean up and final inspections and testing.
29. The work shall be rescheduled by the Contractor if changes in the work scope alter the original schedule or he fails to comply with the original schedule. The revised schedule shall be submitted within five (5) days of the alteration or upon receipt of the City Engineer's request.
30. Whenever, in the opinion of the City Engineer, the work is not proceeding in accordance with the Contractor's schedule, the Contractor shall promptly take such measures as are necessary to return the work to the schedule. Such measures shall include but not be limited to, employing additional or different personnel, equipment or construction methods, employing additional shifts, or working overtime. Such measures shall be continued until compliance with the schedule has been achieved.
31. Work on this project is restricted to a normal 8-hour day, 5-day week, with the Prime Contractor and all Subcontractors working on the same shift. The workday shall consist of an 8-hour shift. Any additional work shall be considered on an emergency basis. It is understood at times that the Contractor may require an extended work day. Any work

days anticipated to extend beyond 10 hours will require the approval of the City Engineer.

32. No work shall be done on this contract on Saturdays, Sundays, or Holidays. The City Engineer may authorize work to continue during these specified time periods if it is determined by the City Engineer that the work will not negatively impact the traveling public.
33. Work will not be allowed the day before or the day after a long weekend, which involves a Holiday, without prior approval by the City Engineer.
34. Upon completion of any work, including excavation, replacement of concrete sidewalk and/or roadway or driveway, or any other permitted occupancy / excavation, the Permittee shall notify the City Engineer to schedule a final inspection of the area / construction to determine that all permit requirements have been complied with.
35. The permit and associated fees shall continue in effect until such inspections are made and approval is obtained. Permittees who do not notify the Department of Public Works – City Engineer regarding completed work will be held liable for all daily fees until approval is obtained.
36. The Contractor shall coordinate parking meter installations with the Springfield Parking Authority for on street parking locations that will be reestablished with public parking meters.
37. All new traffic signal controller units furnished under this contract shall be capable of providing transit vehicle priority in addition to emergency vehicle preemption. Full priority logic will be integrated with coordination so that transit priority will not disrupt coordination. The controller units will have the capability of interfacing with and accepting input from the optical emergency preemption systems at each location.
38. It shall be the responsibility of the Contractor to provide all labor, equipment and material required for the total maintenance, modification and repair of all existing and proposed temporary and permanent traffic signal control equipment, including damage by automobile accidents until final completion and acceptance of the project. These provisions will apply to the signalized location listed below from the date of written notice given to the Engineer that the Contractor will work on or adjacent to an existing signal until the date when the State / City accepts the complete project (see list of impacted intersections below). This written notice must be given before the Contractor may proceed with any work on a specified traffic signal location. For the purpose of these Special Provisions, the phrase “Traffic Signal Control Equipment” is intended to include, but is not limited to, controllers, signal housings, supporting structures, cabinet accessories and panels, wires, conduit and all other ancillary electrical equipment used for traffic control.

39. The Contractor will have 100% control of any and all maintenance issues of traffic signals, poles, mast arms, controllers, etc. from the time that the permit is issued until a point where the signal(s) are formally accepted by the city. The cost of the maintenance of signals shall be deemed to be included in the various traffic signal Contract items at no cost to the City.
40. The Contractor shall staff and provide resources to assure a maximum two (2) hour response time to address signal operational issues identified and communicated by MassDOT and/or the City of Springfield until acceptance of the project by the Department.
41. The Contractor shall provide all labor, equipment and material, testing, fine tuning, and adjusting required for the total maintenance, and continued full operation of all existing and proposed traffic signal control equipment, as listed below, including damage by automobile accidents. These provisions will apply to the signalized locations 1 through 23 in the plan set titled Transportation Improvement Project / MGM Springfield Off-Site Mitigation- prepared by TEC, Inc. dated 8/11/2016 until final approval is made. For the purpose of this requirement, the phrase "Traffic Signal Control Equipment" is intended to include, but is not limited to, controllers, detectors, signal housings, supporting structures, cabinets, wires, conduit and all other ancillary electrical equipment used for traffic control.

Signal Locations:

- West Street / Riverside Road (Location 1)
- West Street / Avocado Street / Plainfield Street (Location 2)
- Dwight Street / I-291 WB Ramps (Location 3)
- Main Street / Liberty Street (Location 4)
- Main Street / Taylor Street / Hampden Street (Location 5)
- Main Street / Worthington Street (Location 6)
- Main Street / Bridge Street (Location 7)
- Main Street / Boland Way / Harrison Avenue (Location 8)
- Main Street / Court Street / Bruce Landen Way (Location 9)
- Main Street / Union Street (Location 10)
- Main Street / East Columbus Avenue (Location 11)
- Main Street / West Columbus Avenue (Location 12)
- Boland Way / East Columbus Avenue (Location 13)
- State Street / East Columbus / West Columbus Avenue (Location 14)
- Main Street / State Street (Location 15)
- State Street / Dwight Street / Maple Street (Location 16)
- State Street / Chestnut Street / Maple Street (Location 17)
- State Street / Spring Street / School Street (Location 18)
- State Street / Federal Street / Walnut Street (Location 19)
- State Street / St. James Avenue / Oak Street (Location 20)
- Union Street / East Columbus Avenue / West Columbus Avenue (Location 21)

- Locust Street / Mill Street / Belmont Avenue / Fort Pleasant Avenue / (Location 22)
 - East Columbus Avenue / Pynchon Street (Location 23)
42. Shop Drawings in electronic format shall be submitted to the Department of Public Works- Engineering Division for review and approval.
43. The Contractor shall excavate a test pit near the SWSC's 36" water transmission main at State/East Columbus in order to confirm the location of the water main and insure the mast arm foundation has 4.5' of lateral clearance from the outside of the pipe.
44. The Contractor shall call the SWSC operation Center at least 72-hours in advance of performing the work and request a Dig Safe and Inspection. The Operation Center phone numbers are 413-310-3500, 413-310-3501. SWSC is not notified as part of the DIG-Safe System.
45. The Contractor shall coordinate with Springfield Water and Sewer Commission (SWSC) for the replacement and/or adjustment of three hydrants at the following locations:
- a. The hydrant on the corner of Boland Way and East Columbus Ave (sheet 17) - to be replaced or adjusted
 - b. The hydrant on State St (near Main St intersection, (sheet 20) - to be replaced or adjusted
 - c. The hydrant on the corner of Main St and Stockbridge St (sheet 23) - to be replaced or adjusted
 - d. Contractor shall call SWSC operation Center at least 5-days in advance of needing hydrant worked performed. The Operation Center phone numbers are 413-310-3500, 413-310-3501

Sincerely,



Christopher M. Cignoli, P.E.
Director of Public Works

Cc: Kevin Dandrade – TEC
Al Chwalek – Casino Liaison Office
Jim Hannifan – Casino Liaison Office
Matt Sokop – City Engineer