

Miscellaneous Contract Requirements and Specifications

A. Work Location

Route 370
St Charles County
Near Spencer Road and Cave Springs / Truman Road
From Near Mile Marker 2 to 3.3
Work Location is shown in Exhibit A

B. Summary of Work Required

Furnish and install traffic control as shown in Exhibit A.
Furnish and install replacement fence parts and repair existing fence at locations detailed in Tabulation of Quantities.
Final cleanup of work sites.

Note: Access to site may be hindered due to standing water in ditches along roadway. Some repairs may require hand installation due to wet site conditions.

C. Tabulation of Quantities

1 Lump Sum	Traffic control as shown in Exhibit A - Plans
790 LF	Replace 5' Fence Fabric
45 Ea	Replace 5' Posts
8 Ea	Realign existing posts
99 Ea	Reattach existing fabric to existing posts
4 Ea	Truss Rods
3 Ea	Stretcher Bars
390 LF	Tension Wire
3 Ea	Horizontal Braces
1 Ea	Corner Post

No direct payment for Mobilization

D. Chain-Link Fence Repair

1.0 Chain-link fence used for this contract shall be in accordance with applicable portions of Section 607 of the Missouri Standard Specifications for Highway Construction. All materials shall be in accordance with Section 1043 of the Standard Specs. Standard Specifications are shown in Exhibit C of the bid documents. All work shall be in accordance with Exhibit A – Plans and Exhibit D – Standard Plans.

2.0 The contractor shall reuse any undamaged major components from the damaged fence system in order to provide a fully functional system.

3.0 Realigning Posts. Posts which are out of alignment but otherwise undamaged will be designated for realignment. The contractor shall realign and plumb the designated posts. After realignment, any voids around the post shall be securely backfilled with soil, sand, or other fine aggregate material approved by the engineer and thoroughly tamped.

4.0 Replacing Posts. Existing posts that have sustained damage that does not allow reuse will be designated for replacement. Existing damaged line posts which are driven into earth shall be pulled unless otherwise directed by the engineer. The contractor may choose to drive the replacement line post in the same earth hole as the removed damaged post or excavate and pour a concrete footing. If the new post is driven in the same earth hole as the removed damaged post, the contractor shall first securely backfill the hole with soil, sand, or other approved material and thoroughly tamp the backfill before driving the replacement post.

5.0 Replacing Tension Wire. The damaged wire shall be cut and attached to the nearest post. A new replacement tension wire shall be attached to the first post and strung to the last post of the damaged fence section.

6.0 Replacing and Splicing Fence Fabric. Existing fence fabric that has sustained damage that does not allow reuse will be designated for replacement. The existing damaged fabric shall be cut, removed, and new replacement fabric spliced at the locations designated by the engineer. Replacement chain-link fabric shall be woven together with the existing fabric and be knuckled or twisted at the top and bottom to match the existing fabric.

7.0 Reattaching Fence Fabric to Posts and Tension Wire. Fence fabric which is pulled loose from existing undamaged posts and tension wire will be designated for reattachment. Fabric shall also be attached to any new replacement posts and tension wire. The fence fabric shall be restretched in accordance with manufacturer recommendations so that the finished installation presents an appearance satisfactory to the engineer. Fabric shall be reattached using new fabric ties, hog rings, and any other required hardware. Chain-link fabric shall be securely attached to end, corner, gate, and pull posts using stretcher bars and bands in accordance with manufacturer recommendations or as directed by the engineer.

E. Traffic Control

All traffic control shall be provided by the contractor as shown in Exhibit A - Traffic Control Plans. Standard MUTCD compliant signs, channelizers, flashing arrow panels, etc shall be used. All work shall be in accordance with Section 616 of the Standard Specs. Payment includes moving traffic control devices as required for daily work activities.

F. Working Hours

Monday through Friday days allowed, 8:00 AM to 4:00 PM.

Weekend and holiday work hours require prior approval by the engineer and may not be allowed.

All equipment and materials shall be removed, pavement cleaned, all traffic control devices removed or set aside, and all lanes open by 4:00 PM.

**Tabulation of Chain Link Fence Repair
Route 370, St. Charles County
Various Damaged Segments**

Route 370 Eastbound

1) Approximately 2/10 miles east of Spencer Road

70 LF Replace 5' Fence

3 Ea Replace 5' Posts

2 Ea Realign existing posts

7 Ea Reattach existing fabric to existing posts

Reuse existing stretcher bar

2) West of mile marker 2.0

50 LF Replace 5' Fence

2 Ea Replace 5' Posts

4 Ea Reattach existing fabric to existing posts

Reuse existing tension wire

3) West of mile marker 2.0

90 LF Replace 5' Fence

2 Ea Replace 5' Posts

10 Ea Reattach existing fabric to existing posts

Reuse existing tension wire

4) Near mile marker 2.1

90 LF Replace 5' Fence

2 Ea Replace 5' Posts

10 Ea Reattach existing fabric to existing posts

Reuse existing tension wire

5) Along Cave Springs/Truman ramp to eastbound 370

1 Ea Corner Post

2 Ea Horizontal Braces

1 Ea Truss Rod

2 Ea Stretcher Bars

70 LF Replace 5' Fence

4 Ea Replace 5' Posts

10 Ea Reattach existing fabric to existing posts

70 LF Tension Wire

6) Near middle of ramp

1 Ea Truss Rod

1 Ea Stretcher Bars

30 LF Replace 5' Fence

1 Ea Replace 5' Posts

4 Ea Reattach existing fabric to existing posts

40 LF Tension Wire

7) West of Sandfort Creek

40 LF Replace 5' Fence
4 Ea Replace 5' Posts
4 Ea Reattach existing fabric to existing posts
40 LF Tension Wire

8) Near mile marker 3.2

110 LF Replace 5' Fence
4 Ea Replace 5' Posts
13 Ea Reattach existing fabric to existing posts

9) Near mile marker 3.3 / Access road by billboards

1 Ea Horizontal Braces
2 Ea Truss Rod
240 LF Replace 5' Fence
15 Ea Replace 5' Posts
3 Ea Realign existing posts
28 Ea Reattach existing fabric to existing posts
240 LF Tension Wire

Route 370 Westbound

10) Near mile marker 2.8 east of Spencer exit

6 Ea Replace 5' Posts
3 Ea Realign existing posts
10 Ea Reattach existing fabric to existing posts
Reuse existing tension wire

Totals

790 LF Replace 5' Fence
45 Ea Replace 5' Posts
8 Ea Realign existing posts
99 Ea Reattach existing fabric to existing posts
4 Ea Truss Rod
3 Ea Stretcher Bars
390 LF Tension Wire
3 Ea Horizontal Braces
1 Ea Corner Post