## MnDOT paid $\$ 4.3 \mathrm{M}$ to remove digital billboard

by Brian Johnson

Published: February 4th, 2014
A billboard condemnation case related to the $\$ 130.4$ million Lafayette Bridge project is attracting the attention of a Washington, D.C.-based organization dedicated to preserving scenic highways.

Citing court documents from last fall, the group Scenic America says the state of Minnesota is spending $\$ 4.3$ million to take down a digital billboard in the way of the new bridge, which carries Highway 52 over the Mississippi River in St. Paul.

A Scenic America spokesman said Tuesday the group believes it's the first time a U.S. road construction project has required condemnation of an electronic billboard, and that the case illustrates the potential costs of allowing such signs to go up in the first place.


Scenic America, a group that opposes digital highway billboards, says it cost the state $\$ 4.3$ million to remove a digital billboard as part of the Lafayette Bridge project over the Mississippi River in St. Paul. (File photo: Bill Klotz)
"If this sets a precedent ... that is something they need to consider before letting these signs go up," said Max Ashburn, communications director for Scenic America, which opposes digital billboards along highways.
In an email, Minnesota Department of Transportation communications director Kevin Gutknecht said, "by state law, whenever MnDOT acquires private property for a project, it needs to compensate the property owner."

Gutknecht said all the money has been paid, and he believes it is the first digital billboard condemnation for a road construction project in Minnesota.

Ashburn said the added cost to the Lafayette Bridge is noteworthy, given the mounting needs of the state's transportation system and the lack of available funding to address those needs.

In a press release, Scenic America urged the Minnesota Legislature and MnDOT to "consider legal reforms to address these unnecessary costs," including a potential ban on digital billboards along highways.

In September 2013, a Ramsey County District Court judge ordered the state to pay Clear Channel Outdoors $\$ 4.321$ million in compensation for removal of the billboard near the Lafayette Bridge project site, according to court documents.

The court also awarded $\$ 441,840$ in compensation to Holiday Station Stores Inc.
Ashburn said removal of condemned billboards is costly because the billboard companies can request lost revenues going four to five years out, as well as the billboard cost.

Citing a March 2010 New York Times storv, the group said the initial cost of a digital billboard is about $\$ 250,000$ to $\$ 300,000$.

In a lawsuit, Scenic America is challenging a 2007 Federal Highway Administration ruling that the organization says led to the growth of digital billboards across the country.

The group says such billboards pose a threat to safety and aesthetics, as well as potential costs to taxpayers.
"The lesson here is: knowing what you are getting into when you allow billboards to go up along your highways, because they are going to be a financial liability for taxpayers," he said.
Scenic America is "dedicated to preserving and enhancing the visual character of America's roadways, communities and countryside," according to the group's website.
The new Lafavette Bridge is scheduled for completion in 2015.
remove digital billlboard: \$4.3M

Scenic America, a group that opposes digital highway billboards, says it cost the state $\$ 4.3$ million to remove a digital billboard as part of the Lafayette Bridge project over the Mississippi River in St. Paul. MnDOT's cost to


## BY BRIAN JOHNSON <br> Staff Writer

A billboard condemnation case related to
 attracting the attention of a Washington, D.C.-based organization dedicated to preserving scenic highways.
Citing court documents from last fall, the group Scenic America says the state of Minnesota is spending $\$ 4.3$ million to take down a digital billboard in the way of the new bridge, which carries Highway 52 over the Mississippi River in St. Paul.

## Continued from page 1A

$\begin{array}{llll}\text { A Scenic America spokesman said } & \text { Gutknecht said all the money has } & \text { the state to pay Clear Channel Out- } & \text { ministration ruling that the organiza- }\end{array}$


# Finance Commerce 

medical giant team up for redevelopment

## BY ADAM VOGE AND ART HUGHES

Mayo Clinue And the Min nesotar Timberwodves and Lynax baskethalf ceams wit. cower nearly half the $\$ 50 \mathrm{ml}$. lian plus meveded to novive the Block E haliding in downtown Minneapolis.
Representatives from lochester hased Mayo and the twans gathered Tuesday in the former mavie theater (cl) by of 1 lloek E to annosmere a 825 villion plus parnershap.
a spores medicine vouter, practice courts and baskethais oflices on che third floor of the buildings, at 500 Hermepin Ave
Mayo Cline and the teamis are the first major tenants to commit to the 218,000 -squaretoot building since AMC Entertainment pulled out in September 2012 after a contentious lease dispute.

Along with the clinic and practice facility, the gnowp and building owners Camelot LL.C announced that they will shed the Block E name and call the structure "Maye Clinic Square."

Our mission is to add long term vitality to this great focation in downtown Minneapolis," said Phillip Jaffe, s principal with Provi-

## 8 .

[^0]

Rochester-based Mayo Clinic will operate a 20,000 -square-toot sports medicine center in the tormer Bleck E bitiding - to be reramed Mayo Clinic Square - at 600 Hennepin Ave, in downtown Minneapolis.
dent Real Eatate Ventures the asset manager of Block E owner Camelot LLC. (Provident's principals and Alatus L.Le"s Bob Lux are partnens in Camelos.)
Mayo Clinic Square will house the roughly 20,000 square-foot sports medicine center, about 52,000 square feet for the Timberwolves and tymix basketball operations and another 25000 square foet for the teama' office space on its third and fourth flowns. Carl Runck, director of reat estate developinont for Ala

Lime said after the annotare ment that the entire projeet will cost "north of $\$ 50 \mathrm{mil}$ fion"" but that final coarts can't be determined until office and westaurant spaces are leased.

Timberwolves and Lysix team representatives said they will spend mere than 820 million on thetr new facilitien. Mayo C limic will puy butwert Mayo Clince will pay latween 85 million and है million fir its sports medicine chane
daffe said Tuesday that tha building's second nows will be used primarily as offlee space for other wenants and that

Carmeter is setking "signature restabrants" for the ground flowe:
-Gar proal is to ancimate the street and make it more pedestrian-friendly than if is loday," Jalfe said
Neany 120,000 square fee of smacte on the buildine's first and weconed fingra is a till aval. able Jon lashl anit Rrent Mabertaon of dones ten Gionerson of Jones Esing dasalle are handing office leasing and CBIX: Group's Chicago office will work on it rocing the reataurants.
nod Ewink at eatabinding us presence in the Twn Cities The eflimic whtil 2012 wase ex pected ti serve as an anelayr tenant in as 140,000 -aquare. foot office space expansion at the Mall of A merica in Pinom mutun. Hut in 2012, the climis sula it had evaluateot aff platrond capital profects uori deceided to pull baak.
In early 2013, Maye onapminced it waula leave die Mafl of America sitopethur It elosed the Mayo Clinio BLOCK E Toiman 3in

## MnDOT's cost to remove digital billboard: \$4.3M

 Clear Channel paid after site was condemned for Lafayette Bridge project
## BY BRIAN JOHNSON

A billsoard condemnation chae n-fated ue the stal.4 million Lafayette Pridge profect is uttracting the attention of a Washington, DC. -hased onzanization dedicatod to preserving scemie highways.

Giting courl documents from last fall, the peroup Sicenic America ayys the state of Minnesotar is apending $\$ 4.3$ million to take downe a digital billboard in the way of the now bridge, which carries Highway 52 over the Misnissippil fiver in SL. Phul.

BILLBOARDS Tomin. 12 A


Scenic America, a group that oppeses digital highway biliboards, says it oost the state $\$ 4.3$ million to remowe a digital hiliboard as part of the Lafayette Brigge propert over the Mississippi River in St. Paul

State of Minnesota, by its Commissioner of Transportation,
Petitioner,
VS.
Randall R. Grilz, Sharon Grilz, Donald M. Grilz, Union Pacific Railroad Company, successor in interest by merger to the Chicago and North Western Railway Company, Maytag Corporation, successor in interest to Chicago Pacific Corporation and to Chicago, Rock Island and Pacific Railroad Company, Northern States Power Company, doing business as Xcel Energy, Qwest Corporation, successor in interest to U S West Communications, Inc. and to Northwestern Bell Telephone Company, Unknown successors in interest to Pier Foundry \& Pattern Shop, Inc., a statutorily dissolved Minnesota corporation, City of St. Paul, County of Ramsey, CHS Inc., Donerly, Inc., Clear Channel Outdoor, Inc., J.M. Keefe Co., doing business as Keefe Co. Parking, 444 Lafayette, LLC, State of Minnesota Department of Natural Resources, LaSalle Bank, National Association, NGP Lafayette Portfolio Owner Corp., Meritex Enterprises, Inc., Holiday Stationstores, Inc., Naegele Realty of Minnesota, Inc., formerly known as Naegele Outdoor Advertising, Inc., a statutorily dissolved Minnesota corporation, JMont, Inc., Anchor Bank, National Association, successor in interest by corporate merger, consolidation, amendment, or conversion to The Bank of Saint Paul, Judith A. Kaufman, Jay W. Montpetit, Michelle Montpetit, Port Authority of the City of St. Paul, BNSF Railway Company, formerly known as The Burlington Northern and Santa Fe Railway Company, and as Burlington Northern Railway Company successor in interest to the Northern Pacific Railway Company, and to The First Division of the St. Paul and Pacific Railroad Company, and to The St. Paul, Minneapolis, and Manitoba Railway Company, City of Minneapolis, also all other persons unknown claiming any right, title, estate, interest or lien in the real estate described in the Petition herein,

Respondents.
--.---
IN THE MATTER OF THE CONDEMNATION OF CERTAIN LANDS FOR TRUNK HIGHWAY PURPOSES

REPORT OF COMMISSIONERS

## REPORT OF COMMISSIONERS

To the Court above named:
The undersigned Commissioners appointed by this Court in the above entitled matter by Order of the Court, do hereby report as follows:
1.

We met at the time and place appointed by the Court, in the office of the Court Administrator, and took the oath prescribed by law.
II.

We make the following award for the damages sustained by the several respondents by reason of the taking.

As to the property interests described as Parcel 251E, C.S. $6283(94=392) 901$ :

| Holiday Stationstores, Inc. |  | $\$$ ) $\$ 441,840.00$ |
| :--- | :--- | :--- |
| Clear Channel Outdoor, Inc. | _) $\$ 4,321,000.00$ |  |


| Naegele Realty of Minnesota, Inc., formerly known as |  |
| :---: | :---: |
| Naegele Outdoor Advertising, Inc. | NONE |
| State of Minnesota |  |
| Department of Natural Resources | NONE |
| Northern States Power Company, doing business as Xcel Energy | NONE |
| City of St. Paul | NONE |
| J-Mont, Inc. | NONE |
| County of Ramsey | NONE |

The above award is made on the basis and condition that the date of passage of title and right of possession and the date of valuation is October 8, 2010, pursuant to Minn. Stat. § 117.042.

The above award of commissioners is based on the condition that the real estate taxes due and payable 2010 or in prior years on the lands acquired by the State and all unpaid special assessments and future installments thereof, as well as pending assessments, are the responsibility of the owners or lessees herein, except that petitioner is responsible for and will pay real estate taxes, if any, payable in 2011 on the real estate acquired herein by petitioner.

As a further basis and condition of this award, Holiday Stationstores acknowledges the receipt of $\$ 160,000.00$ on or about October 8, 2010. Clear Channel Outdoor, Inc. acknowledges the receipt of $\$ 500,000.00$ on or about October 8, 2010. Said funds were paid to owners pursuant to Minn. Stat, § 117.042. These previous payments will be credited against full payment of the above amounts.

The above award is made on the basis and condition that the State of Minnesota and the owners have agreed to said award and that interest shall be paid on said award at the statutory rate.

The commission has not considered the impact of pollutants, contaminants, or hazardous materials on the subject property, if any, in its assessment of damages.
III.

We further report that in the performance of our duties as Commissioners we were occupied for $\qquad$ day(s).

Dated: $9-26-20 L 3$

subsection does not apply to a question if the date that the question must be submitted to the city clerk is governed by subsection 3 of NRS 293.481.
(Added to NRS by 1999, 2119; A 2001, 647, 1976; 2003, 1695, 3201; 2005, 2845; 2007, 1144, 2545; 2011, 1210; 2013, 652)

## NRS CROSS REFERENCES.

Population defined, NRS 0.050

## ATTORNEY GENERAL'S OPINIONS.

Committee to be appointed pursuant to section would not be a "public body" and thus would not be subject to open meeting law. Where a committce to be appointed pursuant to NRS 295.217 would neither: (1) expend, disburse or be supported in whole or in part by tax revenue; nor (2) give advice or make recommendations to a public body subject to the open meeting law (see NRS 241.020), such a committee would not be a "public body" as that term is defined in NRS 241.015 and thus, the committee would not be subject to the open meeting law. However, if a committee appointed pursuant to NRS 295.217 does meeet the definition of a "public body" as that term is defined in NRS 241.015, such a committee would be subject to the open meeting law. AGO 2000-18 (6-2-2000), cited, AGO 2002-06 (2-8-2002)

NRS 295.220 Results of election.

1. If a majority of the registered voters voting on a proposed initiative ordinance vote in its favor, it shall be considered adopted upon certification of the election results and shall be treated in all respects in the same manner as ordinances of the same kind adopted by the council. If conflicting ordinances are approved at the same election, the one receiving the greatest number of affirmative votes shall prevail to the extent of such conflict.
2. If a majority of the registered voters voting on a referred ordinance vote against it, it shall be considered repealed upon certification of the election results.
(Added to NRS by 1967,379 )

## COUNTY AND CITY ADVISORY QUESTIONS

NRS 295.230 Submission of advisory questions by certain governmental entities; prerequisites to placement on ballot; description of anticipated financial effect; appearance on sample ballot; preparation of sample questions.

1. The governing body of a county or city may, at any general election or general city election, ask the advice of the registered voters within its jurisdiction on any question which it has under consideration. No other political subdivision, public or quasi-public corporation, or other local agency may ask the advice of the registered voters within its jurisdiction on any question which it has under consideration.
2. To place an advisory question on the ballot at a general election or general city election, the governing body of a county or city must:
(a) Adopt a resolution that:
(1) Sets forth:
(I) The question, in language indicating clearly that the question is advisory only.
(II) An explanation of the question that is written in easily understood language and includes a digest. The digest must include a concise and clear summary of any existing laws related to the measure proposed by the question and a summary of how the measure proposed by the question adds to, changes or repeals such existing laws. For a measure that creates, generates, increases or decreases any


Central Cashiering - (770) 334-2032
Farking Trckets - (775) 334-2279

# United States District Court <br> District of Nevada (Reno) <br> CIVIL DOCKET FOR CASE \#: 3:99-cv-00668-ECR-RAM 

OUTDOOR MEDIA DIMENSONS V. CITY OF RENO
Assigned to: Judge Edward C. Reed, Jr
Referred to: Magistrate Judge Robert A McQuaid, Jr Cause: 42:1983

Date Filed: 12/21/1999
Date Terminated: 12/13/2000
Jury Demand: Defendant
Nature of Suit: 440 Civil Rights: Other
Jurisdiction: Federal Question

## Plaintiff

## Outdoor Media Dimensions

represented by Michael D Stein
Snell \& Wilmer
3883 Howard Hughes Parkway
Suite 1100
Las Vegas, NV 89169
(702) 784-5200

Fax: (702) 784-5252
Email: mstein@swlaw.com
LEAD ATTORNEY
ATTORNEY TO BE NOTICED
V.

## Defendant

Reno, City Of
represented by Marilyn D. Craig
P.O. Box 1900

1 E. First Street, 3rd Floor
Reno, NV 89501-
775-334-2050
Fax: 775-334-2450
Email: craigm@reno.gov
LEAD ATTORNEY
ATTORNEY TO BE NOTICED

Michael K. Halley
Reno City Attorney's Office
P.O. Box 1900

1 E. First Street, 3rd Floor
Reno, NV 89501-
775-334-2050
Fax: 775-334-2450

LEAD ATTORNEY
ATTORNEY TO BE NOTICED

| Date Filed | \# | Docket Text |
| :---: | :---: | :---: |
|  |  | MISCELLANEOUS DOCUMENT ORIGINAL HARD COPY DOCKET SHEET (Entered: 03/13/2003) |
| 12/21/1999 | 1 | COMPLAINT obo p. (Entered: 02/10/2003) |
| 12/21/1999 |  | SUMMONS ISSUED no text (Entered: 02/10/2003) |
| 12/21/1999 | 2 | SCHEDULING ORDER preliminry. (Entered: 02/10/2003) |
| 12/26/1999 | 13 | SUMMONS RETURNED EXECUTED as to D City of Reno by svg Kris Forest at Reno City Mngrs office on 12/23/99. (p) (Entered: 02/10/2003) |
| 12/27/1999 | 3 | ORDER actn reassgnd to RAM for all furth procedngs consistnt $\mathrm{w} /$ his jurisdictn; Clsn advised that all furthr docs sh bear correct case \#CV-N-99-0668-ECR(RAM); Clk directed to change file/docket to reflct reassgnmt. (Entered: 02/10/2003) |
| 12/28/1999 | 4 | CERTIFICATE OF INTERESTED PARTIES obo P. (Entered: 02/10/2003) |
| 12/28/1999 | 5 | CERTIFICATE OF SERVICE as to Cert 10-6 (\#4) obo P (m) (Entered: 02/10/2003) |
| 01/03/2000 | 6 | CERTIFICATE OF SERVICE as to prelimnry scheduling ord (\#2) on city atty of Reno obo P (m) (Entered: 02/10/2003) |
| 01/11/2000 | 7 | CERTIFICATE OF INTERESTED PARTIES obo all Ds (m) (Entered: 02/10/2003) |
| 01/11/2000 | 8 | ANSWER TO COMPLAINT \& JURY DEMAND obo all Ds (m) (Entered: 02/10/2003) |
| 02/25/2000 |  | MISCELLANEOUS DOCUMENT stip discovery plan/sched ord (orig in chmbrs for appvl) (Entered: 02/10/2003) |
| 03/02/2000 | 14 | SCHEDULING ORDER Stip disc c/o 07/10/00; disp mtns due 08/09/00; jnt PTO due 09/08/00 (Entered: 02/10/2003) |
| 03/09/2000 | 9 | MOTION FOR PRELIMINARY INJUNCTION obo P (m); \#19-Oppo; (Entered: 02/10/2003) |
| 03/09/2000 | 10 | NOTICE (OTHER) EXHIBITS in sppt of mtn P/I (\#9) obo PLOCATED IN SPT FOLDR DUE TO SIZE. (Entered: 02/10/2003) |
| 03/09/2000 | 12 | CERTIFICATE OF SERVICE as to Itms \#9 \#10 \#11 \#12 obo P (m) (Entered: 02/10/2003) |
| 03/09/2000 | 11 | AFFIDAVIT of Jeffrey Herson in sppt of mtn P/I (\#9) obo P. (Entered: 02/10/2003) |
| 03/10/2000 |  | MISCELLANEOUS DOCUMENT no text (Entered: 02/10/2003) |



$\left.\begin{array}{|l|l|l|l|}\hline 09 / 28 / 2000 & 41 & \begin{array}{l}\text { CERTIFICATE OF SERVICE tht on 9/20/00 pltf's mtn for an interlocutory part } \\ \text { mtn for S/J (\#36) obo Pltf. (m) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 04 / 2000 & 43 & \begin{array}{l}\text { MISCELLANEOUS DOCUMENT APPRISAL of the status of city council's } \\ \text { adoptn of an amend/zoning code \& initiation of adoption of a billboard ordinance } \\ \text { in ths matr obo D. (m) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 04 / 2000 & 42 & \begin{array}{l}\text { ORDER our ord \#34 fld Sept 5, 2000 is amended to read as follows: the P has fld a } \\ \text { mtn for a prelim/injunctn \#9; the D fld an oppo \#19 and P replied \#21; a hrng on } \\ \text { the mtn for replim injunctn is set for October 11, 2000 @ 10am; see ord for further } \\ \text { specs. ( (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 10 / 2000 & 49 & \begin{array}{l}\text { MISCELLANEOUS DOCUMENT 2nd erratum to pltf's mtn for S/J (\#36) \& } \\ \text { addendum to Pltf's rsponse (\#45) to deft's mtn for S/J (\#35) obo pltf. (m) (Entered: } \\ \text { 02/10/2003) }\end{array} \\ \hline 10 / 10 / 2000 & 44 & \begin{array}{l}\text { RESPONSE IN OPPOSITION TO MOTION to mtn for S/J (\#36) obo D. (m) } \\ \text { (LOCATED IN A SEPARATE FOLDER) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 10 / 2000 & 45 & \begin{array}{l}\text { RESPONSE IN OPPOSITION TO MOTION rsponse to deft's mtn for S/J (\#35) } \\ \text { obo Pltf. (m) (LOCATED IN A SEPARATE FOLDER) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 10 / 2000 & 48 & \begin{array}{l}\text { CERTIFICATE OF SERVICE in supprt of Pltf's rsponse (\#45), affid (\#46), 2nd } \\ \text { affid (\#47) obo Pltf. (m) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 19 / 2000 & 55 & \begin{array}{l}\text { NOTICE (OTHER) of absence from office obo D. (m) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 10 / 2000 & 46 & \begin{array}{l}\text { AFFIDAVIT of Jeffrey Herson in supprt of rsponse (\#45) obo Pltf. (m) (Entered: } \\ \text { 02/10/2003) }\end{array} \\ \hline 10 / 10 / 2000 & 47 & \begin{array}{l}\text { AFFIDAVIT Second affid of Jeffrey Herson in supprt of Pltf's rsponse (\#46) to } \\ \text { deft's mtn for S/J (\#35) obo Pltf. (m) (Entered: 02/10/2003) }\end{array} \\ \hline 10 / 11 / 2000 & 51 & \begin{array}{l}\text { STATUS REPORT obo D. (fld in open Crt on 10/11/00 by City of Reno) (Entered: } \\ \text { 02/10/2003) }\end{array} \\ \hline 10 / 11 / 2000 & 52 & \begin{array}{l}\text { NOTICE (OTHER) Proposed ordinance obo Ds. (Fld in open Crt, Presented by } \\ \text { City of Reno) (Entered: 02/10/2003) }\end{array} \\ \text { in teny pltf's sign p (Entered: 02/10/2003) } \\ \text { is granted. ORD tht deft is prelim enjoined \& restrained pending the furth procdngs }\end{array}\right\}$

| 10/23/2000 | 56 | REPLY TO RESPONSE TO MOTION to deft's oppo to mtn for SJ (\#36) obo Pltf. (m) (Entered: 02/10/2003) |
| :---: | :---: | :---: |
| 10/23/2000 | 58 | RESPONSE IN OPPOSITION TO MOTION (Response) to Pltff's rsponse to deft's mtn for S/J (\#36) obo Ds. (m) (Entered: 02/10/2003) |
| 10/23/2000 | 57 | CERTIFICATE OF SERVICE of doc \#56 mld on 10/23/00 obo Pltf. (m) (Entered: 02/10/2003) |
| 10/31/2000 | 59 | MISCELLANEOUS DOCUMENT to mtn \#36 obo D. (m) (Entered: 02/10/2003) |
| 11/01/2000 | 61 | MOTION FOR MISCELLANEOUS RELIEF Emergency mtn to contin hrg set forth in the Crt's ord of 10/13/00 til cnsl returns to the Office obo Deft: City of Reno. (m) (Entered: 02/10/2003) |
| 11/01/2000 | 60 | MOTION FOR MISCELLANEOUS RELIEF request to set a hrg to comply with the Crt's order, in the afternoon 13,2000 , or ITA, contin the hrg til cnsl has rturned as more fully set forth inCity's mtn to contin fld contemporaneously with this request obo D: City (Entered: 02/10/2003) |
| 11/01/2000 | 62 | MOTION FOR MISCELLANEOUS RELIEF request to shorten time in wh plff may answ mtn to no later than 11/7/00 obo Deft: City of Reno. (m) (Entered: 02/10/2003) |
| 11/01/2000 | 64 | TRANSCRIPT re Decision of the Crt on mtn for P/I on 10/13/00, in Reno, NV. (C/R: Cathy M. Worken) (Entered: 02/10/2003) |
| 11/01/2000 | 65 | TRANSCRIPT re Hrg pltf's mtn for P/I on 10/11/00, in Reno, NV. (C/R: Cathy M. Worken) (Entered: 02/10/2003) |
| 11/02/2000 | 63 | ORDER tht mtn fld by deft on 11/1/00 (\#60) is denied as moot in light of the mtn fld by deft on 11/1/00 (\#61). Mtn for ord shortening time (\#62) fld by deft on $11 / 2 / 00$ is granted. Pltf shl hv til 11/7/00 @ 4pm., to rspond to the mtn (\#61). The rsponse (Entered: 02/10/2003) |
| 11/07/2000 | 68 | MOTION FOR MISCELLANEOUS RELIEF Countermotion seeking an ord for deft to iss all sign \& special use permits applied for by pltf obo Pltf. (m) (Entered: 02/10/2003) |
| 11/07/2000 | 67 | RESPONSE IN OPPOSITION TO MOTION to deft's mtn (\#61) obo Pltf. (m) (Entered: 02/10/2003) |
| 11/07/2000 | 66 | MISCELLANEOUS DOCUMENT Receipt of cpy of pltf's reply to deft's mtn (\#61) Cntrmtn seeking an ord for def to iss all sign \& special use permits applied for by pltf is hereby acknowledged obo Pltf. (Entered: 02/10/2003) |
| 11/09/2000 | 69 | RESPONSE TO MOTION no text (Entered: 02/10/2003) |
| 11/09/2000 | 70 | MOTION FOR MISCELLANEOUS RELIEF Emergency mtn for an extn of tm to file an opp to pltf's countermotion seeking an ord for deft to issue all sign \& Special use permits applied for by pltf obo D. (m) (Entered: 02/10/2003) |

$\left.\begin{array}{l|l|ll} & & & \\ \hline 11 / 09 / 2000 & & \begin{array}{l}\text { ORDER In our order (\#63) fld on 11/2/00, we stated tht a hrg would be held on } \\ \text { 11/29/00, commencing @ 10am., (if Pltf did not oppose) to permit deft to show tht } \\ \text { if any sd applications for billboards hv been denied, tht they were denied on a } \\ \text { constitutional (Entered: 02/10/2003) }\end{array} \\ \hline 11 / 09 / 2000 & 72 & \begin{array}{l}\text { ORDER ON MOTION FOR EXTENSION OF TIME TO FILE } \\ \text { RESPONSE/REPLY tht deft's mtn for extn of tm is granted. deft shl hv til 4:00pm., } \\ \text { November 27, 2000, to file a rsponse to the counter-motion (\#68). (faxed \& mld.) } \\ \text { (Entered: 02/10/2003) }\end{array} \\ \hline 11 / 09 / 2000 & 73 & \begin{array}{l}\text { LETTER Dated 11/6/00 add to ECR re M/O (\#63) re Rsponse brief obo Cnsl } \\ \text { Michael D. Stein. (Entered: 02/10/2003) }\end{array} \\ \hline 11 / 28 / 2000 & 74 & \begin{array}{l}\text { ORDER settle docs due 12/8/00, 4pm; prev hearing set 11/29/00 is cont to } \\ 12 / 11 / 00,10 a m . ~ i f ~ s e t t l e ~ d o c ~ f i l e d ~ a s ~ r e q u i r e d ~ b y ~ t h s ~ o r d ~ h r n g ~ w i l l ~ b e ~ v a c a t e d ; ~ i f ~\end{array} \\ \text { settlement doc not filed then in lieu of Ds sh file its showing in accord with out } \\ \text { ords entered 1 (Entered: 02/10/2003) }\end{array}\right]$

## SETTLFITENT AGREEMFNT AND MUIUAL RELEASE

This Scrilement: Agreement ("Agrannent") is entered into ibis ___ dey of Deceraber. 2000; by and berwen OUIDOOR MEDLA DIMENSIONS, a Nevada corporation ("OMD") and THE CIIY OF REND: a mmicipal corporation (the "City") OMD and fin [ity shall collectively be referred to heran as the "Seriing Parties" of the "Paries".

## RECEATS

A. OMD 五ed a complaim eapioned Ourbor Media Dimentions a Nevada carporation p. The Ciy o Renc. a municipal corpararion Case Number CVN-S9-0668 ECRRAM, in United Stares District Coun Dismict DFNevada (dre "Federal Antion") on Decenber 21, 1999, alleging varions counts dpeinst une City;
B. The Setuing Paries now secir to fully amd finally compromise, sette, and resolve
 Federal Action by and betwern fere parties hereto on the tems and contirions contained in the Agrecment
 follors:

## SECTION I

## Paypent

1.1 The City shall pay OMD a Dosal shm of Finty Thousand amd Noilon U.S. Dollars

1.2 All paymerres due and owing under this Agrement shall be paid by a check made


Page I
payable to OMD and Michael Stein \& Associate, Ind. and delivered ra 1771 E Flamingo Road, Suite 211B, Las Vegas, Nevada 89119 on or before December 30.2000.

SECTION 2
Cabman cion, Erection and Maintenance of Onf-Premises Advercising Displays
Z.1 Pursuant to the rams, covenants, monitions and restrictions ser forth below. OMD shall be entitled tor constr, erect and nankin off-premines advernising displays an the following locations:



Page?
(min est atty)
$\checkmark$ Permits that have not been issued

|  | LDC01-00146 | U.S. 395 | his site is located on the moentheart side of U.S. 39S, 24 the Foink wicere Oferhatus Drive bexomes Gareway Drive |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  |  | 12015 Statuva Sixer | This site is locared aI the mantrwesx cormer of Serfugs Suret and Keyswone Avenue. |
| $*$ | L0Ca1-00161 | U-H20]I - I0405 Old VIrgia Road | This sile is locared ou uhe exst side of Sout Yryinia Strat south of its invesoction of Sowit Meadows Parkway. |

27 The iswanes of the off-pranives arexising display spocial use permite and
 Yon the following:
22.1 The projest shatl tomply with all mpplieable Ciny codes, and planc, repons!!



 permit, or this spproval shaill be maill and void;
223) The offpernises atuexising diplays stuall be a monopole srivaure
 ursed properties, the ligitus shall be parmed off by 11:00 p.m.

224 Price to the issurse of a butidig pearik, the mplifeant sball subinit a potaized scatmperr frost the property ouner authoriong the iossallation of an off-promises $\frac{1}{24}$
 Pago 3
(indiatasonly)
adverising display(s). Aurched to the swoment bhall be a map, also signed by the propenty ouncex,


225 Erior to the issuance of a sign permit, the applicant sball sabmit the special


226 In order to minimize visugl clutrec, pact offormaises adrenising display

22.7 Cin dereloped parcels, an offomemises anductising display mury zor occipy

 insmallation of an off-premises adverining display:

228 On and doveloped sitc, पौe location of an off-prenises aivenising dispiay stoull hor interfere with crisiny brivenays;

 Notwinstanding the foregoing case number lS0-0in shall only require a five (S) foce sebleck from a sidewinds. of hus stop;

 extrijor wifing


Pages

[^1]2.2.11 All sigu sicucares shall be pained pals blys:
 Iogal access can be provider to the sive

2 213 Ine bowam of a sign face shall vot exceni fifen (IS) feat above said rail or sound wall;
22.14 The berman of the off-premises adverisiag display for Caxn number LDCO1-00142 shall be wo mare than 10 feer taller than the roofline of the I.C. Pemey Fumiant
 and
22.15 The off-premises advertisiag display dicplays in case xurnbers 21000. 22-00

2.216 7ise off prenisis atuertising display in case oumber $31-00$ ghall be locared to the far monthend offle parcely
2.2.17 The sign face of the offprenises adverising display in case number


 36 houss of the sign tomangy being norifici;


Prys 5

23.20 The structurs shall be gatvanized;

23 OMD shall withdraw the requegr for special use pernits for case sumbers 19-00, 20-00, 2600, LDCO1-00144: IDCO2-0152, IDCO1-00153. LDCO1-001S4. IDCOI-00155, IDCO1-00156, IDCOI-60160 and IDCO1-00162

## SECTION 3

## Mucasl Releases and Distringal

3.1 The Sending Panies, and each of them, do hereby; far themselves, and for their
 comportions, employens, agents, spouses, represemanives. antineyc, legal succissars and assigns, and each of them, expressly release and absolurely and former dischange eand orkce and ineit cument axdior fonmer members, ofincos, dire=tons, shareholiders, parturs, and, if any,
 them, of and from any and all claims, demamds, dimages, debts, lizbinties, obligations, costs, mpenses. liens, acrions and causes of ation of every hind and mance whasoever, whether
 sime herecofore ever fiad, owned or held, or could, stall or may hereatien have, com or hold


35 Upon execation of inis Agrement paymurx of the FIFIY THOUSAND and NO/100 DOfitaRS amd issuance of the spenial use pewis, sign pexmivs and building permits. OMD strall putpare and file a stipulation for dismissal, gidi frejurice, for the Federal Action The partes bereby stipulabs to the retertion ofjurisdiction by the United Strates District Count for


Pac 6
(naitials only)
enforcendent of the temns of this Agnemern by any awallable remedy, including injumetive relief, fines or cantempr procasings.

## SECTION 4

## No Thiri-Party Punctictatien

4.1 Excepr ss othewise provided in this Agremperat, nouning expressed or implied herein is infeobed, or shall be conspied, no coufer upou or give any person, or earity not a party



## SECTICJT5

## Tine of the Essernce

5.1 Time is of the essence for this Axrocment and all of its tenms, provisions concivions, end soryenarils

## SECIION: 6

## Suressors and Asripens

 Parties herctor and each of thenn, and each and all of roeir rexpective represenian ves, smecessors. assigns: employrees and zexmenc:

## SECTION 7

## Condract Execmian

7.1 This Agreemen may be exented in any muraber of colvorepparts with the same


Page 7


Gutinis onky
duly execured and delivered shall be an origixal, bur all such coroterparts shayl consritue one and ine same agreemeril Any siputure page of inis Agrenmeat may be derached from any counterpart winitout impaining the legal effect of any signatures, werd may be wached to another comurerpar, identical int form, but having amached to it onc or mone additional signenure pages. This Agreameni and any connterpart may be exerund by signacures provided by electronic facsivaile transoission (also kuown as "far" copies), which facsumile signurures sinall be as binding and effective asi original sigmantes. Axy Pary providing a tignature by fax copy siall protaptly thenective deliver to the aromey for the orher side a countropan of Inis Agrremenc bearing the origivel sigerane of that Fanty.

## SECIION 8

## Interastion Clanse


 altered or varied excopr by a mining duly signod by all of the Panies and the Parties acknowledge and agren that, in the absebee off sach a maiting signed by the Parries, they will
 wharsonver. The Parries ecch acionowledge than no Panys, nor any agent or antorney of any Patry or any oiber individuril has made any promise, representation or warranty whatsoever, express or

 bave not esectied this Agroement or any other such docronent in reliance on any promisch

(uritials only)
representaion of wacrandy not contized herein. Tbe waiver of anty breach of this Agresment by any Pairy shall nor be a maive of any subsequent or prior breach fill mendinents: modificarions and waivers of ibis Agreemum must be in writing and signed by all Paraies.

## SECRION 9

## 

9.1 The lanse of the Stare of Nerada applicable to contrans made or to be wholly performed there (without giving effect ro ide choice of law or conflict of Iqw primiphes) shall govern the valijity, corstruction performances, effect and enformenemil of this Agreemert The Unired Smas Districh Courh District of Nevad, shall maintain jurisdicmion of Case No. CV-N-
 exerise juristiccion wo enfores this Agreamenk any lawsuat to interpret or enforce chis


## SECTION 10

## Atparacys ${ }^{2}$ 표

10.1 If there is any legal scion or proceding incturing any medistion or astitation procedings to enforce br ioterprec any provision of this A Agrexment or to protect or establish any
 zerion or procemang is senled or prosented to final jochement, shall pay to the provailing Pary as frally determined, all costs and expenses, inchuding reasongble amomeys' fers and cosss, incorred by suek prevailing Party in smokn antion or procecting in enforcing such jexdgraem, and in connerion with any appeal from such juderienic Reasmable attomeys" feis and sosta

(untinis ofly)
incurred in a forcing any jodgmear on in connection with any appeal shall be recoverable separately from and in aldazion to any other amours included in such judgment. The prevailing
 such fees and coss have been paid.

## SECTION II

## Construction; Joint Drafting

11.1 The terns and conditions of this Agreanenin shall be construed as a whole according to its fair mesoines and not strictly for or against any Party. The Serving Parties

 To be resolved against wis drafting Part shall not apply in the interpretation af titis Agreement.

## SECTHONJZ

## Avrhority co Execute Agreement

11.1..... The persons signing this Agreement each warrant that they have the authority to sign chis Agreement individually, of on behalf of the entity for while they are signing as the case may be

## SECTION 13

## Necessary Action

13.1 Each of tie Parties shall do any act or thing and execute any or all document or incturactr necessary or proper to effectuate the provisions and invent of this Agreement. //I
11
OHio

(anisole en dy)

## (17)


(initials only)

## SECIION 14

## Miscrllathonas

14.1 The captin:as appeaning ar the nommentenear of the sections of this Agresment are descriptive only and for convenience in zefereace to ebis Agretrinen and shall not define, Jinnit or describe the scopu or infent of thas Agrement nor in any way effect this Agreement
14.2 Masculine or feminine promormar shall be subscitued for the perter form and vice
 places in this Agresinent in whin the contera requires such substintion or substiturions.
14.3 If miny ont or more of the provisions of this Angeraleat stall be held to be invalid, illegal or umerforceable, the validiay, legalicy or anforeeability of the remaining provisions of tins Agreement shall fot be affered inereby, and the Parties will use all reasonable effors to subsurwe for such invalid, illegal or wnenformable provisions one or more valid, legal and niforceanle provisions rihich insofar as pracirable, inaplement the purposes and intens hereof. To the extern parinted by applicable lam, each Pany waives any provision of inw, whick renders any provision of this Agrement invalid, illegal or menforceable in my respeet.

III
III.

III
III

III


Fane 11
(ininals onty)
14.4 Notices. Any and all norices amal demadids required or desizelt wo be given puspuant to this Section shall be in witing and shall be validily given or made it served eifher 'personally' or degosited with the Unived Statej Postal Stervice, in entified or registered mail. postage pripedid, renim risaript requested and addressed as bereinatier provided. If such notice or demand be served by rejgistered or centified mail in the mamer provided above, service shall be conclosively demed given one (1) business day afuer mailing ou upon receipt, whichever is sooner.

| (a) | TSOMD: | COMAcharl Sacin, Esq. <br> 1771 E. Flamingo Ra, Soite 2113 <br> Las Vegac, Neveda 89119 |
| :---: | :---: | :---: |
| (b) | Iu City ofreins: | Reno City Aztameys Ofifice 490 Somit Center Streer Roam 204 Remo, Nerada 89505-1500 |

IN WIITHESS WHEREOF, the Paries have entered into this Agreemenr is of we dare firsx wriven above.

## OUIDODR MEDLA DIVIENSIONS

By:


## APPROVED AS TO FORM AND CONTENT:

MICFAEL SIEIN \& ASSOCIATESIID.
By:


Miefracl Stein. Esqu. camosel for Ontiout Media Dirnensions

(tinizisis omly)

# LAW Offices of <br> Robison, Belaustegul, Shard \& Low A PROFESSIONAL CORPORATION <br> II WASHINGTON STREET <br> RENO, NEVADA 89503 <br> TELEPHONE (フ75) 329-3151 <br> FACSIMILE (775) 329-7169 <br> (775) 329-7941 

KENT R. ROBISON
THOMAS L. EELAUSTEGUI
F. DEARMOND SHARF KEEGAN G. LOW

CLAYTON F. BRUST

STEFANIE T. SHARP
FRANK C. GILMORE MICHAEL A. BURKE KRISTEN L. MARTINI

September 4, 2012

## VIA FIRST CLASS MAUL

## AND EMAIL: craigm@reno.gov

Marilyn Craig, Esq.
Reno City Attorney's Office
One E. First St., $3^{\text {rd }}$ Floor
Reno, NV 89503
Re: Saunders Outdoor Advertising
Dear Marilyn,
I write regarding the communications and conversations you and I have had regarding Saunders Outdoor Advertising's inventory of standing billboards and banked receipts. As you know, Saunders had inquired of the City for an accounting of the 12 sign locations (built and unbuilt) identified on the OMD v. City of Reno Settlement Agreement of December 2000.

In reviewing the information provided by the City, Saunders can confirm that it claims an interest in only 8 of the 12 locations. Of those, 7 are the existing signs (known as SAU1/7; SAU2; SAU3; SAU4; SAU5/6; OM6; OM8), and one is banked (OM10). Saunders does not claim an interest in any other signs related to the OMD Settlement.

Thank you for your efforts in assisting me in clearing up the confusion. Please call or email if you would like to discuss further.


## FCG/xx

cc: Client $\quad$ Claudia Hanson (hansonc@reno.gov)


| Reno Sigm <br> Identifier <br> Code | Satlament <br> Agreement <br> Case | Description | Location | Now Located, Permit State \& Cill | $\begin{aligned} & \text { Banked or } \\ & \text { Active } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OM10 | 21-00 | Union Pacific Railroad | West side U.S 395 | Un built | Banked |
| SAU2/OMI | 22-00 | 500 Stoker | This site located at southeast corner of 1 80 and Stoker Ave. | Sfill Existing Saunders Sign \$226/227 State permit \#4604 City LDP01-03992 | (2) active |
| Unknown | 300-00 Banked? | 2790 Easi Fifth Street Maybe 4th? | Near Mobile Home Park Located on Southwest corner of 1 80 and East 5th | Un built by Saunders or OMD <br> Should have been banked for Saunders/OMD | Unknown |
| SAU3/OM2 | 31-00 | 2061 East 4th Street | Northeast Comer of 1 80 at Tap N' Tavern | Saunders Location \#220/221 State Permit \# 05814 4605 City Permit ${ }^{2}$ LDP01- | (3) active |
| SAU4/OM4 <br> \& OM3 | LDC -01-00141 Two off premises advertising displays | 9190 South Virginia Street | Between South Virginia And US 395 on the south side of the Southbound ramp | One of these is un buill by Saunders or OMD Should be banked for Saunders/OMD The other location is Saunders Location \#230/231 State Permit t 4602 | (4) active <br> OMD did not build OM3 and should be banked |
| OM6 | LDC 01-00142 | 255 Crummer Lane | Northeast Comer of US 395 and Crummer Lane | Moved to Snider US 395 <br> Neil Rd. Saunders \$ <br> 234/235 State Permit <br> ;4613 City LDP01-07357 | (6) active |


| $\begin{aligned} & \text { SAV1/SAV } \\ & 7 \\ & \mathrm{OM} / 5 \end{aligned}$ | LDC01-00143 | $\begin{aligned} & 7800 \text { North Virginia } \\ & \text { Streef } \end{aligned}$ | Located Between N. Virginia Street and U.S. 395 | Re-located to Longley (Huffaker) (also SAV7) 7691 S. Virginia State Saunders 粦2321233 Permit * 4659 City LDPO5-12187 | (1) active |
| :---: | :---: | :---: | :---: | :---: | :---: |
| OM8 | LDC01-00145 | 2900 Clearacre Lane | Southeast corner of Clearacre and US 395 | Saunders ty222/223 <br> State Permic 48609 City LDP01-0569 | (7) active |
| (OM7?) | $\begin{aligned} & \text { LDC01- } \\ & 00146(01146) 164- \\ & 290-04 \end{aligned}$ | US 395 TACCHINO pulled the cut-out permit as the identified owner; Senobar was issued the permit as the owner; Heath was the contractor; Desert Ouldoor is the tenant | US 395 where offenhauser meets Gateway drive | Un-buill by Saunders or OMD Should be Saunders OMD Bank | (X) did not build |
| OM9 | LDC01-00150 | 1201 Stardust Street | Southwest corner Stardust Street and Keystone(Bowling Alley) | Un-built by Saunders OMD (We think there was a sign here that take down belongs to owner of the sign there should be an | (X) OMD did not build |
| SAU5/SAU 6 \&OM11 | LDC01-00161 | U-Haul 1045 Old Virginia | East Side of South Virginia South of intersection of South Meadows Parkway | U-Haul Now 1075 Matley Lane Saunders <br> Location\#218/219 State <br> Permit 4814 | $\sqrt{\text { (5) active }}$ |

Reno City Attorney
MEMORANDUM

Date: May 8, 2003<br>To: Mayor, City Council and City Manager<br>From: Randall Edwards, Chief Deputy City<br>Through: Patricia Lynch, Reno City Attorney<br>Subject: \(\quad \begin{aligned} \& Constitutionality of Billboard Regulation and Legality of Ordinance Allowing<br>\& Relocation of Billboards\end{aligned}\) Relocation of Billboards

## I. INTRODUCTION

The City Council has asked this office for further legal guidance as to the constitutional limits on billboards (off-premises advertising displays)! in general, and the discretion of the City Council to regulate billboards in Reno in light of the initiative petition prohibiting the construction of new billboards. This memorandum confirms the opinion of this office previously given in connection with billboard regulation.

With regard to the general question, it is the position of this office that the City Council has broad discretion to regulate billboards under both the U.S. and Nevada constitutions. With regard to the specific question of the City Council's discretion in light of the initiative petition, it is our opinion that the language of that petition is ambiguous, and may be read to allow the City to relocate billboards or to allow the City to refuse to relocate billboards.

Thus, it is our opinion that the issue of billboard regulation - in particular, billboard relocationis a policy matter for the Council's determination.

## II. GENERAL CONSTITUTIONAL STANDARDS REGARDING BILLBOARD REGULATION

Provided it meets the test set forth by the U.S. Supreme Court, a city's regulation of commercial 2
1 Reno Municipal Code Section 18.06 .1202 (gg) defines an "off-premises advertising display" as "[a]ny arrangement of material, words, symbols or any other display erected, constructed, carved, painted, shaped or otherwise created for the purpose of advertising or promoting the interests of any person, persons, firm, corporation or other entity, located in view of the general public, which is not principally sold, available or otherwise provided on the premises on which the display is located. Any off-premises advertising display which can carry a commercial message may also carry a non-commercial message. Any display which is composed of at least 80 percent of on-premises display is an onpremises sign. Off-premise advertising display does not include governmental, traffic, directional, or safety signs." 2 Sigrs containing a non-commercial message are subject to stricter standards. Non-commercial speech includes political, religious, social and other forms of expression. The discussion in this memorandum is limited to restrictions on commercial speech.

Memorandum to City Council regarding billboard regulation
Page 2 of 6
1/7/2014
billboards may range from no or minimal regulation to an outright ban on billboards. In order to be considered constitutionally valid, a sign regulation must (1) seek to implement a substantial government interest, (2) directly advance that interest, and (3) reach no further than necessary to accomplish the given objective3.Ackerley Communications of the Northwest, Inc. v. Krochalis, 108 F.3d 1095, Fn. 3, (9 ${ }^{\text {th }}$ Cir. 1997), citing Metromedia Inc. v. City of San Diego, 453 U.S. 490 (1981).

Under this test, an outright prohibition on all commercial billboards has been upheld in the interest of traffic safety and aesthetics. National Advertising Company v. City of Orange, 861 F.2d 246 ( $9^{\text {th }} \mathrm{Cir} .1988$ ), citing Metromedia Inc. v. City of San Diego, 453 U.S. 490 (1981) and Members of the City Council v. Taxpayers for Vincent, 466 U.S. 789 (1984):
[T]he twin goals that the ordinance seeks to further - traffic safety and the appearance of the city - are substantial governmental goals.... If the city has a sufficient basis for believing that billboards are traffic hazards and are unattractive, then obviously the most direct and perhaps the only effective approach to solving the problems they create is to prohibit them. The city has gone no further than necessary in seeking to meet its ends.

Metromedia, supra at 507-508.
Likewise, a Seattle ordinance restricting the relocation of existing billboards has been upheld under this test. Ackerley Communications of the Northwest, Inc. v. Krochalis, 108 F.3d 1095 (1997). The City of Seattle has banned the construction of new billboards and regulated the relocation of existing billboards since 1977. Id. at 1097. Concerned about proliferation despite the cap on legal billboards, the Seattle City Council adopted an ordinance during 1993 to tighten the restrictions on relocation. Id. at 1097. The restrictions permit only the relocation and reconstruction of signs which do not conform to Seattle's zoning code. Conforming signs may not be relocated. The practical effect of this is a net reduction in the number of billboards. Id. at 1097. Whenever a bill board owner loses a lease on property on which a conforming sign is located, it will lose the right to maintain that sign forever. Because Seattle also prohibits the construction of new billboards, the gradual loss of leases to property on which conforming signs are located will reduce the overall number of billboards. Id. at 1097.

Applying the above constitutional test, the Ackerley court concluded that the restrictions on relocation: (1) consider the substantial government interests of traffic safety and aesthetics; (2) directly further those interests; and (3) reach no further than necessary to accomplish those interests. Id. at 1098-1099. Additionally, the Ackerley court determined that the restrictions were constitutional even without detailed evidence that they directly furthered the city's interests of traffic safety and aesthetics. Id. at 1099-1100. "We ... hesitate to disagree with the accumulated, common-sense judgments of local lawmakers and of the many reviewing courts that billboards are real and substantial hazards to traffic safety... [To do so] would be trespassing on one of the most intensely local and specialized of all municipal problems ... ."Further, "[i]t is not speculative to recognize that billboards by their very nature, wherever located and however constructed, can be perceived as an

3 Additionally, the First Amendment to the U.S. Constitution and cases interpreting it mandate that billboards may not be regulated on the basis of their content.
"esthetic harm." Id. at 1098, citing Metromedia, supra at 509-510.
In short, a city has wide latitude to regulate billboards, including the relocation of existing billboards, provided that the above-mentioned constitutional requirements are met. 4

## III. BLLLBOARD RELOCATION AND OTHER REGULATION UNDER THE INITIATIVE PETITION AND THE RENO ORDINANCE.

Reno Municipal Code Section 18.06.920, which codifies the initiative petition concerning billboards (Question R-1, passed by the voters during 2000), provides:

The construction of new off-premises advertising displays/billboards is prohibited, -... :. and the City of Reno may not issue permits for their construction.

Subsection B of Section 18.06.920, which was added to the Code after the initiative petition passed, goes on to state:

In no event shall the number of off-premises advertising displays exceed the number of existing off-premises advertising displays located within the city on November 14, 2000.

There exists substantial debate regarding the meaning of Question R-1, and whether its language can be read to allow the relocation of an existing billboard. Doug Smith, Chairman of Scenic Nevada, has adamantly insisted that relocation of existing billboards is prohibited under the initiative, and that it was never the intent of the drafters of the initiative to merely place a cap on the number of billboards. See letter from Doug Smith, dated January 8, 2003 (Exhibit A). The billboard industry has just as adamantly stated that the language of the initiative requires the allowance of relocation of billboards. In our opinion, the language, which states only that "new" billboards are prohibited, without any definition of what "new" billboards means, is ambiguous in this regard.

Generally, when the meaning of a statute or ordinance is not clearly manifest from its plain meaning, it is necessary to look outside the language to the history of the statute or ordinance in order to divine the intent of the drafters of the law. Sandoval v. Board of Regents, 2003 WL 2012425 ( Nev .2003 ). In the instant case, recourse to the arguments of the parties on the merits of the ballot initiative is probably the best indicator of the intent of the initiative. Unfortunately, these arguments appear to be as ambiguous on the issue of relocation as is the language of the initiative.

The "Argument for Passage" drafted by the proponents of the initiative, and contained in the Sample Ballot and Voter Information Pamphlet distributed by the Registrar of Voters, states, in pertinent part:

[^2]There are 278 off-premises billboards existing in the City. This Initiative Petition ... would prohibit any increase in the present number of billboards. This Initiative does not ban existing billboards, but it does place a cap on their numbers. Voters approval of this Initiative would therefore have no significant effect on the current level of business of the billboard industry in the City of Reno.
***

Stopping the growth of new billboards in Reno will help preserve the distinctive character and natural scenic beauty of the Truckee Meadows.
(Exhibit B; emphasis added.)
This language is subject to various interpretations.

## The "no relocation" interpretation:

The "Argument for Passage" language can be read to ban relocation of any billboards in order that the "distinctive character and natural scenic beauty of the Truckee Meadows" be preserved. Arguably, it is impossible to preserve the beauty of the Truckee Meadows if it is possible to place billboards where they were not placed before, whether as "new" billboards or as "relocated" billboards. For purposes of this interpretation, the placement of any billboard in a location where it had not previously been located would be a "new" billboard - certainly new to that location. Whether a billboard is placed in a location where no billboard had before been placed is classified as a "relocated" or as a "new" billboard, its construction would require a new building permit and compliance with zoning ordinances, hallmarks of "new" construction. (The initiative specifically prohibits the issuance of building permits for "new" billboards). Under this interpretation, billboard relocation would be prohibited.

Interestingly, the "no relocation" interpretation is supported more by language drafted by the initiative's opponents than by that of the initjative's supporters. From their "Rebuttal by Opponents," it is clear that the opponents understood the initiative to prohibit placing billboards in locations where they had not previously been placed, with the ultimate effect of banning billboards:

The proponents of the Initiative are incorrect when they state that the Initiative will merely place a cap on the number of billboards allowed in Reno. The wording on this Initiative specifically prohibits building permits for any new billboards.
***
While many communities, including Reno, regulate billboards, very few communities have banned billboards and none have banned billboards where their primary business is gaming and tourism.
(Emphasis added).

## The "relocation allowed" interpretation:

On the other hand, the "Argument for Passage" speaks in terms of a "cap" on the "numbers" of bilfboards, (the actual number of billboards is provided in the "Argument"), speaks of stopping the growth of new billboards, and states simply that the initiative provides that an increase in the number of billboards would be prohibited, not that it is anticipated that the number will decrease. It further states that passage of the initiative will have "no significant effect on the current level of business of the billboard industry." (Arguably, relocation of billboards is more consistent with the position that there will be no significant impact on the current level of billboard business than is the "no relocation" option, which would uitimately result in a diminution of the number of billboards, and an eventual "significant effect" on the level of business). For purposes of this interpretation, the meaning of "new billboard" would not relate to the location of a billboard, but instead to whether a proposed billboard would increase the overall number of billboards currently in the Truckee Meadows. Under this interpretation, billboard relocation may not be prohibited.

## Ambiguity in the history of the initiative provides flexibility in interpretation:

Because, the "legislative history" of the initiative petition, as set forth in the explicative arguments for and against its passage, is ambiguous, as pointed out above, it is the opinion of this office that the City Council has great flexibility in interpreting the meaning of the initiative's language. Thus, the current City ordinance, which allows relocation of billboards, is not inconsistent with a reasonable interpretation of the requirements of the initiative and is defensible against a legal challenge.s

On the other hand, a determination by the Council that relocation of billboards is not in the public interest could also be defended against a legal challenge.

## IV. CONCLUSION

The courts have consistently held that the decision whether and to what extent to regulate billboards rests with the local law and policy makers. A municipality's determination that billboards create traffic safety problems and/or are unattractive ("esthetic harm") will generally not be questioned by the courts. The courts consider traffic safety and aesthetics to be "substantial government interests" which support billboard regulation. Additionally, the Ninth Circuit has found that restrictions on the relocation of billboards directly advance those interests without impermissibly infringing on protected speech. Of course, any ordinance which seeks to restrict billboards needs to be carefully crafted to ensure that it meets all of the constitutional requirements.

[^3]The language of the 2000 billboard initiative is ambiguous, and lends itself to two equally reasonable interpretations. There is support for the interpretation that the initiative prohibits the relocation of existing billboards. There is also support for the interpretation that the initiative allows for the relocation of existing billboards. This ambiguity provides great flexibility to the Council in allowing or disallowing billboard relocation.

In the final analysis, the determination as to what, if anything, should be done further with regard to billboard regulation, is driven more by policy than legal considerations. As the law currently stands, this Council has wide latitude in determining the extent and basis for further regulation of billboards.

# ELLER MEDIA COMPANY, A DELAWARE CORPORATION QUALIFIED TO DO BUSINESS IN THE STATE OF NEVADA, FORMERLY DR PARTNERS, A NEVADA GENERAL PARTNERSHIP D/B/A DONREY OUTDOOR ADVERTISING COMPANY, Appellant, vs. THE CITY OF RENO, A MUNICIPAL CORPORATION; AND CITIZENS FOR A SCENIC RENO, A NEVADA NON-PROFIT CORPORATION, Respondents. 

No. 37369

## SUPREME COURT OF NEVADA

118 Nev. 767; 59 P. 3 a 437; 2002 Nev. LEXIS 91; 118 Nev. Adv. Rep. 77

December 17, 2002, Decided

SUBSEQUENT HISTORY: Petition for Rehearing Denied February 6, 2003.

PRIOR HISTORY: [***1] Appeal from a district court decision denying appellant's petition for a writ of mandamus. Second Judicial District Court, Washoe County; Jerome Polaha, Judge.

DISPOSITION: Affirmed.

COUNSEL: McDonald Carano Wilson LLP and John Frankovich and Scott A. Gronek, Reno, for Appellant.

Patricia A. Lynch, City Attorney, and Marilyn D. Craig, Deputy City Attorney, Reno, for Respondent City of Reno.

Woodburn \& Wedge and W. Chris Wicker, Reno, for Respondent Citizens for a Scenic Reno.

JUDGES: BEFORE YOUNG, C.J., ROSE and AGOSTI, J.

## OPINION

[**438] [*769] PER CURIAM:
Appellant Eller Media Company, f/k/a DR Partners d/b/a Donrey Outdoor Advertising Company, petitioned for a writ of mandamus to compel the City Clerk for the respondent City of Reno to remove from the November 2000 general election ballot an initiative petition submitted by respondent Citizens for a Scenic Reno. The proposed initiative sought to prohibit the City of Reno from issuing permits for the construction of new off-premise advertising displays/billboards. The district court denied Eller Media's application for a writ of mandamus, and subsequently, the initiative was passed during the 2000 general election. On appeal, Eller Media argues that the [***2] district court erred because: (1) the City Clerk failed to comply with the statutory provisions requiring him to conduct random sampling of initiative petition signatures for verification; and (2) the subject of the proposed initiative was administrative, and thus, an improper matter for an initiative petition. We conclude that Eller Media's arguments are without merit, and therefore, the district court's
order should be affirmed. FACTS
On March 29, 2000, Citizens for a Scenic Reno ("Citizens") filed a "Notice of Intent: Initiative Petition Affidavit" with the City Clerk for the City of Reno pursuant to NRS 295.205 , ' indicating their intent to submit the following initiative to the voters at the next general election:

THE PEOPLE OF THE CITY OF RENO DO ENACT AS FOLLOWS: Initiative Petition: The construction of new off-premise advertising displays/billboards is prohibited, and the City of Reno may not issue permits for their construction.

1 NRS 295.205 permits any five voters of a city to commence initiative proceedings by filing an affidavit with the city clerk. The statute requires initiative petitions to be signed by "a number of registered voters of the city equal to 15 percent or more of the number of voters who voted at the last preceding city election." NRS 295.205(2).
[***3] Thereafter, Citizens circulated the initiative petition, collecting approximately 9,525 signatures, and submitted the completed initiative petition to the City Clerk's office. The City Clerk forwarded the initiative petition to the Washoe County Registrar of Voters, indicating that the City Clerk had performed a "raw count" of the signatures to verify that the initiative petition contained the minimum required by NRS 295.205(2). The City Clerk [*770] requested that the Registrar conduct random sampling for verification of the signatures on the initiative petition. After completing a random validation of the signatures, the Registrar sent a "certificate of sufficiency" to the Mayor and City Council of Reno, stating that he found the petition sufficient pursuant to $N R S$ 295.210. Eller Media argues that the City Clerk's obligation to verify the signatures by conducting a random sampling is a non-delegable duty.

Eller Media filed a complaint against the City of Reno and Citizens alleging that the City Clerk's certification of the initiative petition was insufficient and further that the initiative ordinance was not a proper subject for initiative. [***4] The complaint sought a writ of mandamus compelling the City of Reno to remove the initiative from the ballot for the November 2000 general election. Following a hearing on the matter, the district court concluded that the City of Reno had substantially complied with the statutory certification requirements for initiative petitions. Additionally, the district court concluded that the initiative petition sought to establish new public policy within the city, and therefore, the billboard ordinance was a proper subject for initiative. On appeal, Eller Media asserts that the City Clerk improperly delegated to the Washoe County Registrar of Voters his duty to verify the signatures on the initiative petition in contravention of NRS 295.210(2). At the time in question, : NRS 295.210 stated, [**439] in pertinent part, that "the city clerk must examine the signatures by sampling them randomly for verification."

2 The pertinent election statutes were revised in 2001. NRS 295.210(2) no longer exists in the form quoted here. See 2001 Nev. Stat., ch. 581, §52, at 296869.
". [***5] "When the language of a statute is plain and unambiguous, a court should give that language its ordinary meaning and not go beyond it." "However, when more than one interpretation of a statute can reasonably be drawn from its language, it is ambiguous and the plain meaning rule has no application. ' The entire subject matter of and the policy behind a statute may aid in its interpretation, and statutes should always be construed so as to avoid absurd or unreasonable results. *

3 City Council of Reno $\nu$. Reno Newspapers, $105 \mathrm{Nev}. \mathrm{886}, \mathrm{891}$,
P.2d 974, 977 (1989).

4 Hotel Employees v. State, Gaming Control Bd., 103 Nev. 588, 591,747 P. $2 d$ 878, 879-80 (1987).
5 Welfare Div. v. Washoe Co. Welfare Dep't, 88 Nev. 635, 637-38, 503 P.2d 457, 459 (1972).

We conclude that the district court did not err when it found that the City Clerk had substantially complied with NRS 295.210 [*771] because, while NRS 295.210(2) [***6] requires the City Clerk to "examine the signatures by sampling them randomly for verification," it contains no language requiring the City Clerk to personally examine the signatures or prohibiting him from delegating that duty to the County Registrar of Voters. Eller Media's narrow interpretation of the statute is unreasonable. Moreover, it conflicts with NRS 277.180, which permits interlocal contracts between public agencies for the performance of governmental services. Here, the City of Reno and Washoe County had entered into an interlocal agreement, whereby the County Registrar agreed to be responsible for the performance of all acts and functions necessary to conduct efficient elections. Additionally, NRS 293.127 requires that NRS Title 24, which includes $N R S$ 295.210, be liberally construed to ensure that the real will of the electors is not defeated by informality or failure to substantially comply with the provisions of the title.

Second, Eller Media asserts that the prohibition of off-premise billboards is not the proper subject of an initiative petition because it is administrative in character. [***7] Citing our decision in Forman v. Eagle Thrifty Drugs \& Morkets, - Eller Media argues that the initiative was administrative in character because the City of Reno had already adopted a comprehensive zoning plan, which includes regulations of off-premise advertising. Additionally, Eller Media argues that the initiative was invalid because it attempted to initiate rezoning in the City of Reno outside of
the zoning statute requirements in $\operatorname{NRS}$ Chapter 278.

689 Nev. 533, 516 P.2d 1234 (1973), overruled in part by Garvin $v$. District Court, 2002 Nev. LEXIS 90, 118 Nev. Adv. Rep. 76, 59 P.3d 1180, (Adv. Op. No. 76, December 17, 2002).
While portions of our original holding in Forman may be read to support Eller Media's contentions, we recently reexamined Forman in Garvin v. District Court. : In Garvin, we overruled Forman to the extent it held that: (1) the initiative power does not extend to the zoning processes of counties and cities, or other matters legislatively delegated to local governments; [***8] (2) due process requirements of notice and hearing apply to general zoning legislation by initiative; and (3) all changes to established zoning policies are administrative in nature. a Despite the limitations placed on Forman, Garvin reaffirmed the central test that Forman enunciated for determining whether an initiative is administrative or legislative in character. - In Forman, we expressed this central test as follows:
[*772] "An ordinance originating or enacting a permanent law or laying down a rule of conduct or course of policy for the guidance of the citizens or their officers and agents is purely legislative in character and referable, but an ordinance which simply puts into execution previously-declared policies, or previouslyenacted laws, is administrative [**440] or executive in character, and not referable." wo

7118 Nev. at 76,59 P.3d at 1180.
8 See id. at 59 P. $3 d$ 1180, 118 Nev . Adv. Rep. 76, _P.3d at
9 See id. at 59 P. $3 d \overline{1180}, 118 \mathrm{Nev}$. Adv. Rep. 76,_ P.3d at $\qquad$ .
10 Forman, 89 Nev at $5 \overline{37,} 516$ P. 2 d at 1236 (quoting Denman v. Quin, 116 S.W.2d 783, 786 (Tex. Civ. App. 1938)).
[***9] Eller Media's reliance upon

Forman is misplaced to the extent that it relies upon those portions of Forman that go beyond the central test and that were overruled by this court in Garvin.

Applying this test, as articulated in Forman and clarified in Garvin, we conclude that the initiative prohibiting off-premises billboards was legislative in character. The billboard petition did not merely apply previously declared policies or laws; rather, it articulated an entirely new policy-it prohibited construction of new off-premise billboards throughout the City of Reno. Although the City of Reno had regulated off-premise advertising, prohibiting such advertising was a complete change in policy. "Additionally, unlike the situations in Citizens for Train Trench Vote $v$. Reno ${ }^{n}$ and Glover v. Concerned Citizens for Fuji Park, D the billboard initiative does not
concern a specific project, but enacts a citywide change in policy towards off-premise advertising. As a result, we conclude that the billboard petition was legislative in character and a proper subject for an initiative petition.

11 See Reno Municipal Code 18.06.500 (2000).

```
[***10]
```

12118 Nev. $\qquad$ 53 P. $3 d 387$ (2002), disapproved in part by Garvin, 118 Nev . $\xrightarrow[13]{ } 53$ P.3d 387.
$13 \quad 118 \mathrm{Nev}$. $\qquad$ , 50 P. $3 d 546$ (2002), disapproved in part by Garvin, 118 Nev . $\longrightarrow 50$ P. 3 Sd 546.
Accordingly, we affirm the district court's order denying the appellant's petition for a writ of mandamus.

1090
MARK WRAY
Bar No. 4425
608 Lander Street
Reno, Nevada 89509
(775) 348-8877
(775) 348-8351 fax

Attorney for Plaintiff
SCENIC NEVADA, INC.

IN THE SECOND JUDICIAL DISTRICT COURT OF THE STATE OF NEVADA IN AND FOR THE COUNTY OF WASHOE

SCENIC NEVADA, INC.,
Plaintiff,
vs.
CITY OF RENO, a political subdivision of the State of Nevada, and the CITY
COUNCIL thereof,
Defendant.

## FIRST AMENDED COMPLAINT TO INVALIDATE CITY OF RENO DIGITAL BILLBOARD ORDINANCE

COMES NOW Plaintiff Scenic Nevada, Inc., pursuant to NRS 30.040, and for its First Amended Complaint against Defendant City of Reno and the City Council thereof, to invalidate the City of Reno digital billboard ordinance, alleges:

NATURE OF THE CASE

1. The citizens of Reno passed an initiative prohibiting new billboard construction and banning issuance of any building permits for billboard construction. The citizens acted because their elected city officials would not. Since the citizens
passed the law, the Defendant City Council has flouted the citizens' vote by allowing billboard companies to "bank" and relocate each billboard that is removed and to construct new billboards using the banked receipts. Most recently, the Defendant City Council has adopted an ordinance that permits and expands construction of new billboards by allowing billboard companies to construct electronic, or digital, billboards, further violating the voter's mandate, sections of the Reno Municipal Code, the Constitution of Nevada, and provisions of state and federal law concerning billboards on public highways.

## PARTIES

2. Plaintiff Scenic Nevada, Inc. is a non-profit Nevada corporation with a principal place of business at 150 Ridge Street, Reno, Nevada. Its principal activity is to educate the general public on the economic, social, and cultural benefits of scenic preservation by means of encouraging billboard and sign control, among other issues.
3. Scenic Nevada is an aggrieved party and has exhausted its administrative remedies before bringing this action pursuant to NRS 30.040.
4. Defendant City of Reno is a political subdivision of the State of Nevada located in the County of Washoe and the Defendant City Council thereof is a public body composed solely of elected officials.

## RELIEF SOUGHT

5. Scenic Nevada seeks a judgment declaring void and of no force or effect the ordinance of the Defendant City of Reno adopted October 24, 2012 that approved a text amendment to the Reno sign code, allowing the new construction of off-premise electronic signs, also known as digital billboards.

## FACTS

6. Following repeated attempts by Reno citizens to persuade the Reno Planning Commission and Reno City Council to enact stronger billboard controls, a grassroots, volunteer organization called "Citizens for a Scenic Reno" ("CFASR") formed on January 20, 2000.
7. CFASR filed nonprofit articles of incorporation with the Nevada Secretary of State on March 27, 2000.
8. On March 29, 2000, CFASR filed an Initiative Petition with the Reno City Clerk which stated: "New off-premise advertising displays/billboards in the City of Reno are prohibited, and the City of Reno may not issue permits for their construction."
9. On June 26, 2000 opponents filed an initiative petition which stated: "OffPremise Advertising Displays (billboards) in the City of Reno shall only be permitted on property zoned commercial and industrial."
10. By July 25, 2000, CFASR had collected 7,381 valid signatures, above the required minimum of 6,790 signatures, which represented $15 \%$ of the votes cast in the previous citywide election, in order to qualify its initiative for the 2000 general election ballot. Ballot Question R-1 read:
"The construction of new off-premises advertising displays/billboards is prohibited, and the City of Reno may not issue permits for their construction."
11. On July 29, 2000, opponents withdrew their initiative petition from circulation stating, "The dueling petition drive confused voters. The group will now concentrate its efforts on defeating the referendum."
12. CFASR spent about $\$ 3,000$ in its successful fight for passage of Question R-1. Opponents, calling themselves "Nevadans to Save Jobs and Fight Extremism" spent $\$ 226,823$ in a losing effort.
13. On August 24, 2000, the opponents, led by Eller Media Co. as plaintiff, filed a lawsuit asking the Court to remove the initiative from the ballot.
14. On October 14, 2000, the Hon. Jerome Polaha, District Judge, Second Judicial District Court, found in favor of the City and against Eller Media. The initiative remained on the ballot.
15. At the polls on November 7, 2000, of the 57,782 votes cast, 32,765 , or $57 \%$, voted in favor of Ballot Question R-1.
16. The results were certified by the Defendant City Council on November 14, 2000, and Ballot Question R-1 became Reno Municipal Code ("RMC") §18.16.902 (a), entitled "Restrictions on Permanent Off-Premises Advertising Displays". RMC §18.16.902 (a) states:
"The construction of new off-premises advertising displays/billboards is prohibited, and the City of Reno may not issue permits for their construction."
17. Notwithstanding the mandate of the voters enacted into law as RMC §18.16.902 (a), on or about January 22, 2002, a majority of the Defendant City Council voted to amend the municipal code to create a billboard "banking" and relocation system, allowing a billboard company to remove a billboard in one location and "bank" the permit for up to 10 years (later increased to 15 years) until a new permitted location could be found. Using these "banked" receipts, a billboard company could construct a new billboard, often in a new location, where no billboard stood before, by obtaining a new building permit for the new billboard, contrary to the plain mandate of the voters in passing Ballot Question R-1.
18. The Defendant City Council's adoption of the "banking" and relocation system now codified in RMC §18.16.908 effectively repealed the ballot initiative barely 14 months after it was approved by the voters. RMC $\S 18.16 .908$ purportedly gave staff of the Defendant City of Reno the authority to issue permits for new billboard construction when existing billboards are removed. Specifically, the ordinance provided that a billboard "may be relocated to a permitted location" as long as two permits are obtained; one to remove the old billboard and one to relocate the new billboard to a new location. The Defendant City Council again amended the municipal sign ordinance shortly thereafter, to formally establish a billboard permit "bank" and provide city staff a mechanism for tracking permits of removed billboards.
19. CFASR changed its name to "Citizens For A Scenic Northern Nevada" and in September 2002, adopted its current name, "Scenic Nevada".
20. Eller Media had appealed Judge Polaha's decision to the Nevada Supreme Court. On Dec. 17, 2002, the Supreme Court affirmed, in Eller Media Co. v. City of Reno, 118 Nev. 767, 59 P.3d 437 (2002), holding that the billboard petition was legislative in character, a proper subject for an initiative petition, and reflected a citywide change in policy towards off-premise advertising. On Feb. 6, 2003, the Supreme Court denied Eller Media's petition for rehearing.
21. During the years 2000 through 2012, all billboard lighting was required to be directed toward the billboard, and not toward the street. This requirement was codified in RMC 18.16.905 (1), which effectively prevented digital billboards in the City of Reno. In contrast to a traditional billboard where lights shine onto the display, the lighting of a digital billboard shines toward the public roads. RMC $\S 18.16 .905$ (1) effectively made digital billboards illegal in the City of Reno by prohibiting light shining toward the public roads.
22. On February 13, 2008, a majority of the Reno City Council, led by Councilman Dwight Dortch, voted to direct Reno City staff to initiate a text amendment that would eliminate RMC §18.16.905 (1) and allow the construction and permitting of new digital billboards.
23. Digital billboards are computer controlled variable message electronic signs whose informational content can be changed or altered by means of computer-driven electronic impulses (including "light emitting diodes" or "LED" light bulbs). LED bulbs turn off and on every eight seconds to display a different advertisement in a sequence of eight rotating advertisements, day and night.
24. Digital billboard displays are by definition a new type of billboard, using new technology, and requiring mostly new construction and new building permits.
25. On April 25, 2008 the Community Development Department held a workshop to gather suggestions, ideas and recommendations for inclusion in the proposed draft digital billboard ordinance. Representatives from the billboard industry and Scenic Nevada attended.
26. At all times since the initial draft proposed in 2008, the text amendment for the proposed digital billboard ordinance was based upon, and indeed, dependent upon, the Defendant City Council's adoption of the 2002 ordinance creating the "banking" and relocation system, which purported to allow billboard companies to "bank" receipts for billboards and move them to new locations within the city.
27. Due to meddling by some City Council members, the proposed digital billboard ordinance became bogged down in a series of continuances. On March 12, 2009, the city staff circulated a draft ordinance with the intent of having it reviewed by the Planning Commission on April 1, 2009, but the draft was pulled by Director of Community Development John Hester, who explained to staff in an email that the draft's restrictions on digital billboards were not in accord with the intentions of Councilman Dortch. Dortch was pushing the interests of the billboard industry by seeking to lessen or even eliminate any new restrictions on new digital billboard construction.
28. A new draft was circulated to be reviewed at the May 6, 2009 Planning Commission meeting, but on April 29, 2009, the new draft was pulled from the May 6 agenda, because city staff reported that it was awaiting the results of a federal study on the safety impacts of digital billboards. Two weeks later, at the May 13 City Council meeting, members of the Defendant City Council instructed Hester that regardless of the safety studies, he was to move forward and present a draft ordinance to the Planning Commission.
29. On October 13, 2009 the Community Development Department released another draft ordinance that was to be reviewed at the November Planning Commission meeting. At the hearing on November 5, billboard company Clear Channel Outdoor, appearing by its attorney John Frankovich, requested a continuance, due to Clear Channel's objections to restrictions on digital billboards contained in the proposed draft. The Planning Commission voted to continue the public hearing, but not before members of Scenic Nevada were allowed to address the Commissioners and point out that the 2000
ballot initiative prohibited the city from allowing new billboard construction, including new construction of digital billboards.
30. Citizen opposition to new billboards remained strong. In April, 2011, Scenic Nevada commissioned a poll that asked registered voters within Reno a series of questions about traditional and digital billboards. The results showed that $55 \%$ of the voters were opposed to the Defendant City Council's effort to add text changes to the sign code allowing digital billboards within the Reno city limits. Further, $66 \%$ said they would not want to view a digital billboard from their home or office window; $80 \%$ said that Reno had enough or too many billboards; and almost $90 \%$ were concerned about distracted driving.
31. The proposed digital billboard ordinance did not resurface until May 24, 2011, when city staff held another stakeholders meeting at the Community Development office. Scenic Nevada attended and again spoke in opposition to the new ordinance, citing the prohibition against new billboard construction and adding that the direction to include digital billboards was moving the city farther away from the law contained in the ballot initiative.
32. On September 20, 2011 the Planning Commission held a public workshop on the proposed digital billboard ordinance. Scenic Nevada attended, testifying that the city's banking and relocation system violated the ballot initiative and that digital billboards are new construction, prohibited by city code and a further departure from the voters' intent to reduce billboard blight.
33. At the October 2011 Planning Commission meeting, Scenic Nevada was present during a discussion by commissioners who questioned whether the City should be proceeding with a draft billboard ordinance in light of the 2000 ballot initiative. Commissioners directed city staff to return at the next meeting with two alternative recommendations: one continuing the prohibition of digital billboards and one permitting digital billboards.
34. At the November 2, 2011 Planning Commission hearing on the draft ordinance, a motion to continue prohibiting digital billboards within the city limits based on the ballot initiative failed by a 2-3 vote. City staff then was directed to return with new changes to the draft ordinance.
35. On November 14, 2011, Scenic Nevada timely appealed the vote of the Planning Commission from the November $2^{\text {nd }}$ hearing.
36. Prior to the December 2011 Planning Commission meeting, Scenic Nevada presented evidence and argument in writing, followed by testimony at the public hearing, that digital billboards would violate not only existing municipal code but state and federal law as well. In November 2011, the court in Scenic Arizona v. City of Phoenix Board of Adjustment, 268 P.3d 370 (Ariz.App. 2011) had issued an opinion that digital technology uses "intermittent lighting", which is prohibited adjacent to interstate and other highways. The Arizona court had stricken down a Phoenix ordinance that would have allowed the construction of digital billboards on grounds that the ordinance violated the proscription against intermittent lighting.
37. At the December Planning Commission meeting, Scenic Nevada also repeated that the banking system violated the voter initiative and should be abandoned instead of expanding its use by allowing digital billboards.
38. Based on the presentation by Scenic Nevada, Planning Commissioners postponed discussion of the ordinance and asked the city attorney for a legal opinion and report.
39. On January 4, 2012, after a lengthy public hearing extending past 10 p.m., with few members of the public still present, by a 4-2 vote, the Planning Commission recommended a draft digital billboard ordinance allowing new construction of digital billboards within the city limits.
40. On January 9, 2012, Scenic Nevada timely appealed the January 4, 2012 recommendation of the Planning Commission.
41. At the Feb. 8, 2012 public hearing before the Defendant City Council, Scenic Nevada appeared to present its appeals. Members of the City Council expressed dissatisfaction with the draft ordinance recommended by the Planning Commission, and postponed the public hearing as well as Scenic Nevada's appeal.
42. Instead of hearing Scenic Nevada's appeals, the City Council scheduled and held two more public workshops. Scenic Nevada attended both workshops (March 6 and April 25,2012 ) and opposed adoption of the new ordinance on numerous grounds, including the violation of the 2000 voter initiative and the ban on intermittent lighting. Scenic Nevada also asked the city council to consider eliminating the billboard banking and relocation system to help reduce billboard blight.
43. After the workshops, members of the City Council and representatives of the billboard industry came to an understanding on how they wished to proceed and the City Council held a public hearing on the draft ordinance on July 18, 2012, where Scenic Nevada's appeal finally would be heard. Consistent with its opposition at hearings for the past four years, Scenic Nevada opposed the draft and presented arguments against its passage. The city council approved the first reading of the draft ordinance over Scenic Nevada's objections.
44. The second reading of the ordinance was scheduled for August 22, 2012. In a letter dated Aug. 16, 2012, Scenic Nevada opposed the draft, only to learn that the second reading was postponed because the Defendant City Council was considering substantial changes to the draft that had been made since the first reading.
45. Scenic Nevada opposed the substantially revised draft in a letter dated September 6, 2012, but when the revised ordinance came before the Defendant City Council for a "first reading" on September 12, 2012, the Defendant City Council approved it over Scenic Nevada's opposition.
46. On October 5, 2012, city staff notified representatives of the billboard industry and Scenic Nevada that there were more substantial changes to the draft and that another "first reading" was scheduled for October 10, 2012.
47. On October 10, 2012, Scenic Nevada appeared again to challenge the ordinance as violating the voter initiative, city code and the ban on intermittent lighting adjacent to highways. The Defendant City Council again approved the "first reading" of the ordinance and the second reading was scheduled for October 24, 2012.
48. The agenda for the October 24 meeting included a proposed moratorium and resolution to prohibit staff from issuing digital billboard building permits. According to the city attorney, in the event of a lawsuit and subsequent court decision invalidating the new digital billboard ordinance, a moratorium on issuing new permits for billboards would avoid the expense of having to remove digital billboards that were subsequently found by a court to be unlawfully constructed.
49. Scenic Nevada appeared at the City Council meeting on October 24, 2012, to protest the adoption of the digital billboard ordinance but also to support the moratorium, which obviously would be beneficial to the citizens of Reno in light of Scenic Nevada's intention of filing the instant complaint in this action. Scenic Nevada supported its position with approximately 50 letters in support of the moratorium. No one in attendance at the City Council meeting opposed a moratorium. In yet another twist, without explanation to Scenic Nevada or the public, the Defendant City Council did not adopt a moratorium. Instead, the Defendant City Council approved the second reading of the ordinance along with an effective date of January 24, 2013.
50. Scenic Nevada's objections to the digital billboard ordinance are longstanding and consistent. During the past four years, as a result of Scenic Nevada's unswerving attention to the important public issue of digital billboards, the City Clerk has a massive administrative record. The physical size of the administrative record amounts to thousands of pages of evidence, including staff reports, public hearing recordings and transcripts, workshop presentations, letters, emails, photographs, videos, scientific studies, power point presentations, voter survey results, related court cases, and other evidence. All of the evidence has been part of one or more presentations, communications, workshops, hearings or appeals involving city staff, City Clerk,

Planning Commission or the Defendant City Council, and shall be referenced and utilized by Scenic Nevada in the briefing of this action on the merits.

## VIOLATION OF THE VOTER INITIATIVE

51. Scenic Nevada is the author and proponent of the billboard initiative adopted as RMC§18.16.902. Scenic Nevada has devoted more than four years to exhausting its administrative remedies by opposing the new digital billboard ordinance in workshops, public hearings and appeals and is an aggrieved party.
52. The Nevada Constitution guarantees the right of the citizens to resort to the initiative process where their elected officials have failed to act. Nevada Constitution Article 19, §2(1) states:

Notwithstanding the provisions of Section 1 of Article 4 of this Constitution, but subject to the limitations of Section 6 of this Article, the people reserve to themselves the power to propose, by initiative petition, statutes and amendments to statutes and amendments to this Constitution, and to enact or reject them at the polls.
53. Once the citizens have passed an initiative, the governing body of the local government is prohibited from amending, annulling or repealing that initiative law for a period of not less than three (3) years. Nevada Constitution Article 19, $\S 3$, states, in pertinent part:

If a majority of the voters voting on such question at such election votes approval of such statute or amendment to a statute, it shall become law and take effect upon completion of the canvass of votes by the Supreme Court. An initiative measure so approved by the voters shall not be amended, annulled, repealed, set aside or suspended by the Legislature within 3 years from the date it takes effect. If a majority of such voters votes disapproval of such statute or amendment to a statute, no further action shall be taken on such petition.
54. The same initiative powers that the citizens possess with respect to statutes and constitutional provisions also can be exercised with respect to municipal ordinances. Nevada Constitution Article 19, $\$ 4$ states:

The initiative and referendum powers provided for in this article are further reserved to the registered voters of each county and each municipality as to all local, special and municipal legislation of every kind in or for such county or
municipality. In counties and municipalities initiative petitions may be instituted by a number of registered voters equal to 15 percent or more of the voters who voted at the last preceding general county or municipal election. Referendum petitions may be instituted by 10 percent or more of such voters.
55. The voter initiative of 2000 , codified as RMC $\S 18.16 .902$, prohibited new construction of billboards and banned the issuance of building permits for their construction. Since RMC $\S 18.16 .902$ resulted from an initiative petition, the Defendant City Council had no authority to "amend, annul, repeal, set aside or suspend" the voter initiative for a period of three years following its adoption on Nov. 7, 2000.
56. By adopting the "banking" and relocation system in 2002, which allowed billboard companies to "bank" receipts for existing billboards and obtain building permits for billboards in new locations, the Defendant City of Reno and City Council violated the rights of Scenic Nevada and the citizens of Reno under the Nevada Constitution by amending, annulling, repealing and setting aside the voter initiative codified as RMC §18.16.902 less than three years after the initiative had passed.
57. The digital billboard ordinance of 2012 is entirely dependent upon the unconstitutional underpinning of a "banking" and relocation system adopted by the Defendant City Council in violation of Article 19 of the Nevada Constitution. Without the unconstitutional banking and relocation system embedded in the new ordinance, there can be no digital billboard ordinance, and the ordinance therefore must be invalidated in its entirety.
58. Scenic Nevada is entitled to a judicial determination that the digital billboard ordinance is unconstitutional.
59. Scenic Nevada is entitled to a judgment and decree that the digital billboard ordinance is void and of no force and effect as a matter of law.

## VIOLATION OF HIGHWAY BEAUTIFICATION ACT

60. The Federal Highway Beautification Act of 1965 provides that billboards should be controlled to "protect the public investment in such highways, to promote the
safety and recreational value of public travel, and to preserve natural beauty." 23 U.S.C. $\S 131(a)(2002)$.
61. The Nevada Legislature adopted NRS 410.220 to 410.410 requiring Nevada to enter into a federal-state agreement, or "FSA" with the federal government. In 1972, Nevada entered into an FSA to ensure continued federal funding of highways.
62. Nevada statutes state that the regulations in the FSA must be consistent with federal highway standards, on "spacing, size and lighting."
63. Nevada's FSA states that billboards: "shall not include or be illuminated by flashing, intermittent or moving lights (except that part necessary to give public service information such as time, date, temperature, weather or similar information) and shall not cause beams or rays of light to be directed at the traveled way if such light is of such intensity or brilliance or is likely to be mistaken for a warning or danger signal as to cause glare or impair vision of any driver, or to interfere with a driver's operation of a motor vehicle."
64. In addition, regulations found in NAC 410.350 state: "Signs must not include or be illuminated by flashing, intermittent or moving lights" and also electronic signs may be approved, "if the sign does not contain flashing, intermittent or moving lights ...", similar to the language upon which the court in Scenic Arizona declared the Phoenix ordinance invalid.
65. In addition, NRS 410.220 (b) states:

The erection and maintenance of such advertising in such locations must be regulated:
(1) To prevent unreasonable distraction of operators of motor vehicles, confusion with regard to traffic lights, signs or signals and other interference with the effectiveness of traffic regulations;
(2) To promote the safety, convenience and enjoyment of travel on the state highways;
(3) To attract tourists and promote the prosperity, economic well-being and general welfare of the State;
(4) For the protection of the public investment in the state highways; and
(5) To preserve and enhance the natural scenic beauty and aesthetic features of the highways and adjacent areas.
66. The City of Reno digital billboard ordinance is void and should be declared of no force and effect because it violates Nevada law as adopted by the FSA, for the same reasons enunciated by the court in Scenic Arizona $v$ City of Phoenix Board of Adjustment, 268 P.3d 370 (Ariz.App. 2011).

## VIOLATION OF RENO SIGN CODE

67. RMC §18.16.901(a) addresses the need to restrict billboards to ensure public safety, preserve scenic beauty and protect the environment. The ordinance states: Recognizing that the City of Reno is a unique city in which public safety, maintenance, and enhancement of the city's esthetic qualities are important and effective in promoting quality of life for its inhabitants and the City of Reno's 24-hour gaming/ entertainment/recreation/tourism economy; recognizing that the promotion of tourism generates a commercial interest in the environmental attractiveness of the community; and recognizing that the visual landscape is more than a passive backdrop in that it shapes the character of our city, community, and region, the purpose of this article is to establish a comprehensive system for the regulation of the commercial use of off-premises advertising displays. It is intended that these regulations impose reasonable standards on the number, size, height, and location of off-premises advertising displays to prevent and alleviate needless distraction and clutter resulting from excessive and confusing offpremises advertising displays; to safeguard and enhance property values; and to promote the general welfare and public safety of the city's inhabitants and to promote the maintenance and enhancement of the city's esthetic qualities and improve the character of our city. It is further intended that these regulations provide one of the tools essential to the preservation and enhancement of the environment, thereby protecting an important aspect of the economy of the city which is instrumental in attracting those who come to visit, vacation, live, and trade and to permit noncommercial speech on any otherwise permissible sign.
(Emphasis added)
68. As the administrative record proves, at every public hearing and workshop and in written testimony, members of Scenic Nevada offered evidence that digital billboards mar scenic mountain views, blight neighborhoods, lower property values, harm
the environment by wasting energy, and cause safety issues for drivers on public streets and highways.
69. The Defendant City Council has no evidence to rebut or refute the fact that digital billboards are harmful to the citizens of Reno, including injurious to public safety, property values and esthetics.
70. Indeed, in hearing after hearing, Planning Commissioners and City Council members alike reaffirmed that billboards, especially digital billboards, cause all of the harms to which Scenic Nevada testified, and these city officials and elected representatives declared over and over that nobody wants billboards in Reno because they are a blight on the city.
71. Based on the undisputed evidence in the administrative record that billboards are contrary to the general welfare, including the admissions by members of the Planning Commission and City Council that nobody wants the myriad of harms associated with billboards, Scenic Nevada is entitled to a judgment that the digital billboard ordinance exceeds the powers of the Defendant City Council in that it adopts a law that is concededly unhealthy, unsafe, unaesthetic, anti-environmental and injurious to public welfare.
72. Not possessing the nerve to admit that they were repealing the voter initiative, the Defendant City Council left $\S 18.16 .902$ (a) intact. Thus, the current ordinance retains RMC§18.16.902 (a), which states:

The construction of new off-premises advertising displays/billboards is prohibited, and the City of Reno may not issue permits for their construction. (Approved by the voters at the November 7, 2000, General Election, Question R_1The results were certified by the city council on November 14, 2000).
73. New digital billboards are "new off-premises advertising displays" for which the billboard industry must apply for and obtain "permits for their construction." In combination with the banking and relocation system, the digital billboard ordinance of 2012 creates a contradiction in which the voter's mandate, as expressed in

RMC§18.16.902 (a), that no permits shall be issued and no construction shall take place, is in the same code as the new digital ordinance allowing permits for digital billboards. Under such circumstances, the voter's initiative addresses with specificity the prohibition on issuing permits for new construction of billboards, and the voter initiative is entitled to prevail.
74. Additionally, the definitions section of the sign code states advertising "display means any arrangement of materiel or symbols erected...for the purpose of advertising...This definition shall include signs, billboards, posters..." and the code further clarifies by stating: "Flashing sign means a sign which uses blinking, flashing or intermittent illumination, either direct, or indirect or internal." (RMC §18.24.203.4570, emphasis added).
75. Based on these definitions, the digital ordinance violates city code with respect to flashing or intermittent lights in that RMC $\S 18.16 .905(\mathrm{n})(5)$ states that: "Displays shall not flash or move during a display period." (Emphasis added). Flashing is defined as intermittent illumination, which includes digital billboards, as established in the Scenic Arizona case. Accordingly, in addition to violating RMC $\S 18.16 .901$ and 902(a) of the off-premise sign code, the digital ordinance violates the law against LED bulbs using flashing, intermittent lights to display advertising messages.

WHEREFORE, Plaintiff Scenic Nevada, Inc. requests:

1. A judgment declaring that the October 24, 2012 vote of the Reno City Council adopting Ordinance No. 6258 entitled "Digital Off-Premises Advertising Displays, including Light-Emitting Diode (LED)" is unlawful, void, and of no force and effect, and that the ordinance purportedly adopted thereunder is unlawful, void, and of no force and effect;
2. That the Defendant City of Reno be ordered to prepare, index and produce to Scenic Nevada the complete administrative record of all papers, photographs, recordings, communications, notes, emails, letters, faxes, memos, files and other
documents and evidence maintained, collected or compiled by any and all public officials and their agents relating to the digital sign ordinance from 2008 to present;
3. Costs of suit;
4. Reasonable attorneys fees; and
5. All other relief, which the court deems just, and proper.

Dated this 15th day of April, 2013.
LAW OFFICES OF MARK WRAF


Attorney for Plaintiff SCENIC NEVADA

## VERIFICATION

I, Mark Wray, am the attorney for the Plaintiff. I have read the foregoing First Amended Complaint and am familiar with its contents. The facts stated in the foregoing Complaint are true of my own knowledge, information and belief. I declare under the penalty of perjury under the laws of the State of Nevada that the foregoing is true and correct and that this verification was executed on April 15, 2013 at Reno, Nevada.


## CERTIFICATE OF SERVICE

The undersigned employee of the Law Offices of Mark Dray certifies that a true copy of the foregoing document was sealed in an envelope with first class postage prepaid thereon and deposited in the U.S. Mail at Reno, Nevada on $4 / 15 / 13$ 2013 addressed as follows:

Marilyn Craig, Asst City Attorney Reno City Hall
One East First Street
Reno, NV 89501


## AFFIRMATION

The undersigned certifies that the foregoing document does not contain the Social Security number of any person.

DATED: April 15,2013


# - CITIZENS FOR A SCENIC <br> NORTHERN NEVADA 

## THE BILLBOARD CONTROVERSY IN RENO

## Introduction

In late 1999 a billboard company filed a lawsuit against the City of Reno, claiming that the Billboard Ordinance then in effect allowed too much discretion to those charged with its implementation and, therefore, the ordinance violated the company's rights under the First and Fourteenth Amendments. With a lawsuit hanging over theirheads, City Council members were ready to listen attentively to the billboard company's lobbyists as to how best to revise the troublesome ordinance. However, this time, things didn't work out quite as planned by the siga people. A small group of Reno citizens banded together and crashed the party. What follows is the story of Citizens for a Scenic Reno. It is, we believe, a classic example of how the billboard industry uses lawsuits and massive amounts or money to cow citizens and politicians alike to achieve its ends.


Tel./Fax (775) 329-3117
E-Mail: dgsmith@.bigshy.reno.nv.us
Swezeycf(a)al.com
Web Site: Www.scenicnorthnevada.org

## THE BILLBOARD CONTROVERSY IN RENO

## Background

It all began in late 1999 with a dispute between the City of Reno and a billboard company; Outdoor Media Dimension (OMD). That company carne to Reno and signed leases for 35 new billboards. Reno, following its Billboard Ordinance as amended in 1989, only allowed one of the new billboards and rejected the other 34 because the proposed sites were not in Industrial zoned areas. OMD then filed suit in the U.S. District Court to strike down Reno's existing Billboard Ordinance, claiming it gave the City too much discretion in the disposition of billboard applications. OMD contended that the existing ordinance led to arbitrary decisions on the part of city staff to the point it violated OMD's rights to free speech and due process. OMD's position was that the ordinance did indeed permit new billboards in Commercial zones, as well as Industrial zoned areas of the city. About the same time, Donrey Outdoor Advertising was appealing the rejection of its application for new billboards along I-395 South in an IC zone.

A lawsuit against the City was enough to spur the Reno City Council into action. In December 1999, the City Council established a Billboard Sub-Committee to decide what to do about the existing Ordinance. The Sub-Committee was composed of five of the seven members of the City Council plus the City's Planning Commissioner. It was charged with preparing revisions to the 1.989 Ordinance and presenting them to the Council by March 1, 2000, clearly a "fast-track" process. There was no provision made for public input. Doug Smith, a former member of the Reno City Planning Commission and one who helped draft the 1989 revisions to the city's Billboard Ordinance, smelled a rat. Smith and other Reno residents voiced their concerns over the makeup of the Sub-Committee, the "fast-track" nature of the process and what they considered the obvious deference paid to the advice provided to
the Sub-Committee by lawyers and lobbyists hired by and representing the billboard interests. Of course, the pending lawsuit that these same lawyers had filed against the City could explain some of that deference. Their objections ignored, Smith and his associates decided to act.

On January 18, 2000, at a breakfast meeting at a local restaurant, Doug Smith and other concerned residents formed "Citizens for a Scenic Reno." Doug Smith was chosen as chairperson; other officers pere elected and initial donations were made by several in attendance. Its first order of business was to turn out as many people as possible at the Billboard Sub-Committee meeting on January 31, 2000 to speak against the industry's proposed changes to the Billboard Ordinance. Oneproposal, for example, would have allowed a $300 \%$ increase in the area within the city on which billboards could be erected without any public input. CFASR, on its part, began a media campaign that included letters to the editor, public interest television programs, and presentations to the seven Neighborhood Advisory Boards (NABs) in the five wards of the City of Reno.

At the January 31, 2000 meeting of the Billboard Sub-Committee, the battle was first joined. Needless to say, the billboard industry representatives and CFASR were very far apart in their respective positions. It was at this meeting that CFASR first advanced the concept of no more new billboards in the City. Moreover, it was our view that all billboards should be a conditional use, not a permitted use, and a Special Use Permit should be required on all billboards. The billboard industry representatives were stunned. This was their first organized opposition. The Sub-Committee reluctantly decided that a new ordinance needed to be written and called on interested parties to submit their proposals at its next meeting on February 28, 2000. Four widely contrasting proposals were submitted at that meeting; including our draft ordinance. Resentful that an upstart group of citizens would stand in the way of a quick resolution of this issue, some Sub-Committee members began to show where their sympathies lay. We were treated as a nuisance factor in the proceedings. The same thing happened at the March 27, 2000 meeting of the Sub-Committee. It was clear to us by that time that, if nothing was done, the billboard industry's position would very likely prevail in the end. Some City Council members were pushing for a quick resolution to this issue because those up for re-election did not want billboards to be an issue in their campaigns.

Immediately following the March $27^{\text {th }}$ meeting, Doug Smith and his friends adjouraed to a nearby pub to discuss things. The feeling in the group was that they were fed up and they weren't going to take it anymore. It was decided that evening to embark on a petition drive to let the Reno voters decide. No time was wasted. In less than a week, the group was collecting petition signatures at a Home and Garden Show at the Reno/Sparks Convention Center.

## The Petition Drive

CFASR filed a non-profit Article of Incorporation with the Secretary of State's office on March 27, 2000. With a membership of about 25 individuals and a bank balance of around $\$ 500$, we organized for a drive to secure the required 6,790 signatures of Reno registered yoters ( $15 \%$ of the votes cast in the previous city-wide election) by the deadline of July $31,2000$.

The initiative petition was filed with the Reno City Clerk on March 29, 2000. It read as follows: "The construction of new off-premises advertising displays/billboards is probibited, and the City of Reno may not issue permits for their construction? This wording was specifically intended to avoid a takings claim by the industry and only dealt with new billboards.

To make allowances for invalid signatures, we set as our goal 10,000 signatures. The drive would begin Aprii 1 and end July 31, the deadline set by the City Clerk's office. Therefore, we had 122 days to secure 10,000 signatures. That worked out to about 574 signatures per week each week.

On July $25^{\text {th }}$, CFASR delivered 9,561 signatures to the City Clerk's office. The Office of the Registrar of Voters soon thereafter validated 7,381 signatures, a surplus of 951 . On August 14 ${ }^{\text {th }}$, the City Clerk's office certified the sufficiency of the petition. Ten days later, on August $24^{\text {th }}$, the billboard industry filed a Strategic Lawsuit Against Public Participation (SLAPP) lawsuit against the City of Reno and CFASR for a writ of mandamus to remove the
initiative from consideration on the ballot in the upcoming general election. The industry claimed that the City failed to follow required procedure in certifying the petition and signatures were sufficient to place the initiative on the ballot. More importantly, the industry claimed that the ballot language was an "administrative act" and not legislation as required by the Nevada Constitution. The CFASR acted immediately to obtain legal counsel, the prominent firm of Woodburn and Wedge, who opposed the industry's last ditch effort to keep the proposed billboard restriction from the voters. They failed in every respect when Judge Polaha, of the Second Judicial District of Washoe County, Nevada, ruled in favor of CFASR and the City of Reno. He ruled that CFASR and the City of Reno substantially complied with all legal requirements to place the initiative on the ballot and ruled the initiative was legislation, not an administrative act. The vote was on!

Eller Media/Clear Channel Communications has appealed the decision of the Second Judicial District Court order denying the writ of mandamus to the Nevada Supreme Court. The case was still pending as of March 2002.

The fightover ballot question R-1 began in earnest as soon as the initiative was certified on August $14^{\text {th }}$. From that time until the election the billboard industry pulled out all the stops. The billboard industry spared no expense to defeat the initiative on the legal front and with the voters. They sent a slick and misleading mailing to all Reno households. They created a fiction with no basis, whatsoever, that if the initiative was approved by the voters, businesses would fail and 5,000 jobs would be lost. They claimed, by name, non-profits would be hurt due to lost billboard placement. They claimed that passage of the initiative would result in all billboards being eliminated. There was no tale too tall to tell, for the industry which repeatedly labeled the organizers as anti-business, anti-jobs "extremists". They even started a counter petition drive using hired signature gatherers. The industry's petition drive was publicly exposed as cleacky;fraudulent, so they withdrew it.

Their campaign slogan was "Nevadans to Save Jobs and Fight Extremism." Eller Media reported spending $\$ 226,823$ to defeat R-1. CFASR spent a total of $\$ 3,221$. Another way to look at it is that CFASR spent 9 cents per "Yes" vote while the billboard industry spent 9 dollars per "No" vote. CFASR was outspent by a ratio of 70 to 1 by the industry.

On November $7^{\text {th }}, 2000$, R-1 was approved by the voters of Reno. The vote was 32,765 to 25,017 ( $57 \%$ to $43 \%$ ).

## Looking Back On The Petition Drive

## Core Group

A major reason we were successful is that we had a solid core group within our organization comprised of people who could be counted upon to be at their station on time and for as long as they had committed. Getting out to the supermarket, setting up the tables and easels and approaching strangers in all kinds of weather to sign the petition is not easy or fun work.

## Leadership

A second major reason for our success was the outstanding leadership our organization has in Doug Smith. This was his inspiration and his success really. The rest of us were inspired by him to press forward and stay with it until our cause prevailed.

## Unity

The organization has been in existence now since January 2000, just over two years. It has functioned all that time with an unusual degree of unity.

## Timing

The Outdoor Media Dimension lawsuit against the city in late 1999 compelled the City Council to take a look at the City's "restrictive" billboard regulation. Then, CFASR's intervention in early 2000 prevented a "siam dunk" disposition of the matter by a City Council
replete with industry sympathizers. When it became very clear to us what was afoot, we had the time to carry out a successful ballot initiative petition drive in time for the general election of 2000 .

## Industry Dirty Tricks

## Dueling Petition

When the billboard forces realized that Billboard Ballot Question R-I might possibly succeed, they filed a "dueling" petition on July 6,2000 which stated: "off-premise advertising displays (billboards) in the City of Reno shall only be permitted on property zoned commercial and industrial." The actual effect of this wording would have been to increase the area available to new billboards, but that part wasn't mentioned to prospective signers. These people were assured by those circulating the petition that its purpose was to limit the number of billboards. The billboard people hired a company in Sacramento to blanket the City with signature gatherers who were paid $\$ 2$ or $\$ 3$ per signature. These people had other petitions as well, such as the "Defense of Marriage" petition. With the City's deadline on the ballot initiatives a month away, there was no prospect for this initiative to succeed. The real purpose of it was to confuse Reno voters (which it did) and to slow down our owa efforts in acquiring the necessary numbers of signatures (which it did). When our petition was certified by the City, the billboard people withdrew their phony petition.

## Truth Squads

Industry flacks would approach our tables and displays and deliberately pick arguments with us in order to scare off prospective signers. Some of them would have the audacity to tell prospective signers not to sign our petition. They would call us liars and extremists. On at least one occasion, one of them went into the store and falsely complained to the manager that one of us had pursued him into the store. This resulted in our being asked to leave.

## Petition Circulation - Local People Do It Better

We want to emphasize that our entire signature-gathering effort was done on a voluateer basis. All of the petition circulating was done by members of CFASR or Reno residents known to us. This gave the correct impression that here was a group of local people trying to do something for the community. We wore 3" diameter badges inscribed with "NO MORE BLLBOARDS". People looked for our badges to make sure they were signing the right petition. In our opinion, we were a very believable group.

## Non-Partisan

There is nothing political about the distaste for billboards among Americans. The absence of a political aspect in the petition drive was a big positive for us during that election cycle.

## Display

At every location, we set up an easel and two tables for our petitions and other materials. The easel was used to display a map of Reno showing proposed locations of new billboards. We used to great effect pictures of local billboards advertising breast implants and liposuction.

## Successive Approximation

A technique for weekly recomputing the additional signatures required was employed. At the end of each week, we would calculate the total number of signatures obtained thus far. We then subtracted that number from 10,000 and divided the result by the number of days remaining in the drive. This told us immediately if we were ahead or if we were losing ground. If the latter, we would try to schedule more petition gatherers during the following week. We strongly recommead doing this weekly recomputation.

## Campaign 2000

With a limited budget for reaching voters, we had to make maximum use of low-cost campaign methods. These included: letters to the editor, ads in alternative local newspapers, TV talk shows, radio shows, appearing before service organizations, senior groups and Neighbor Advisory Boards for the five city wards. We created a website (whw.scenicnorthnevada.org) and compiled an extensive $E$-mail list (currently almost 300 addresses). To mobilize our supporters, we issued "Billboard Alerts" by E-mail. Another technique was the press conference which worked even better when held outside with billboards as a background. Last, but not least, we had behind-the-scenes help from friendly people in the media.

The billboard industry's campaign against $R-1$ consisted primarily of deception and scare tactics. The biggest exaggeration was the assertion that passage of $R-I$ would cause the loss of 5,000 jobs directly or indirectly related to the billboard industry. Also, they led voters to believe; incorrectly, that R-I banned all billboards. They tried hard to show that the health of Reno's tourism industry is tied directly to billboards. They claimed that with fewer billboards, local nom-profit organizations would be laurt because there wouldn't be any billboard space for them.

Within the limaited resources available to us, we were quick to answer their charges. It is absolutely necessary in this kind of campaign to retort quickly and aggressively to every lie and distortion put out by the billboard people.

We were honored and pleased to welcome Meg Maguire, President of Scenic America, to Reao in October 22-24, 2000. Meg gave a presentation on billboard blight at a Seminar Series at the University of Nevada, Reno. She toured the arterials where billboards are concentrated and took pictures which she used in her presentations. Meg's presence here just two weeks before the election gave us a real morale boost and we appreciated her visit very much.

## Events Siace Election 2000

## The Relocation Issue

For all of 2001 the struggle over a new billboard ordinance for the City continued. All parties agreed that the effect of the voter-approved initiative established a cap of 289 billboards with the City limits (that being the number of billboards extant or approved). However, the most acrimonious debate occurred over the question: Is a relocated billboard a new billboard? That is, if an old billboard is torn down, does this give the companies the right to install in its place a new billboard in a better location? Since the wording of the ballot initiative did not address relocation per se, the industry lobbyists argued that "relocation" is not prohibited by the initiative. In short, they were saying a relocated billboard is not a new billboard. Of course, CFASR countered that a relocated billboard is most certainly a new billboard and that the industry's position was completely contrary to the will of a majority of Reno voters in the last election.

In January 2002, the Reno City Council sided with the industry and approved a new Billboard Ordinance that places a cap of 289 billboards but allows them to be relocated, thus Iocking in blight. The City Council focused on the issue of whether the initiative prohibited relocation. A majority, caving in to the industry, determined that it did not expressly prohibit relocation. They would not even discuss the fact that even if the initiative did not prohibit relocation, as representatives of the people, the City Council could prevent relocation.

Dealing with the relocation issue is crucial, because if you lose this battle, then your successful ballot initiative is weakened. This is what happened in Reno.

To assist other communities that may be considering a "no new billboard" ballot petition drive, we are including in the following four paragraphs a portion of a letter dated July 9, 2001, from our attorney, Buffy Dreiling, to Laura Tuttle, the Reno City Planning Manager.

Simply stated, relocation of off-premises advertising displays is prohibited by the initiative that was passed by the voters of the City of Reno in November 2000. The initiative states, "The construction of new off-premises advertising displays/bilboards is prohibited." In the arguments for passage it is
stated, "The purpose of this Initiative Petition is to preserve and enhance the natural scenic beauty of the Reno area . . ." The term "new" means a display that was not there before. If the initiative was for the sole purpose of placing a cap on the number of billboards, the language would have read, "The construction of more off-premises advertising displays/billboards is prohibited." Citizens for a Scenic Northera Nevada take the position that a new off-premises advertising display is one that is in a location where there was not one before, one that is of greater size that the one previously in existence, or one that is greater height than the previous one-

By the way of example, suppose citizen A walks out his front door this morning and he can see Mount Rose in the distance, unobstracted by a billboard. However, tomorrow he walks out his front door and in the middle of his view of Mount Rose is a 672 square foot billboard in the near distance. To him and to everyone else who goes by, this billboard is new. It does not matter that a billboard was removed from Fourth Street.

The off-premises advertising display industry (hereinafter "industry") is urging the Planning Commission and City Council to view the initiative as merely a cap on the number of billboards. This interpretation is directly contrary to the language of the initiative. The industry refers to alleged comments made by some members of the Citizens for a Scenic Reno in promoting the initiative in which the focus was on a cap of initiative itself. Although the arguments in favor of passage do indicate that there would be a cap on the number of billboards, the arguments do not state that a cap is the only effect. To the contrary, the Rebuttal by Opponents, which was crafted largely by the industry representatives, makes it clear that the initiative is not just a cap. This initiative was passed by $57 \%$ of the voters in the City of Reno. This sends a clear message to the city leaders.

Permitting a "cap and relocate" system would be contrary to the wishes of the citizens of Reno. The effect of prohibiting the construction of new billboards' is to prevent billboards from being constructed in areas that do not already have billboards. It would be the natural desire for the indnstry to want to replace existing billboards in the older parts of town and relocate to the newer areas where new shopping centers and other commercial business are located. This is exactly what the yoters did not Want. The voters have accepted the current billboards in their current locations but have directed the City of Reno to not permit billboards in any other locations.

## Judicial Appeal

The billboard interests appealed Judge Polaha's October 14, 2000 favorable ruling on the legitimacy of the ballot initiative R-1 to the Nevada Supreme Court. Their hope here, of course, is that Nevada's highest court will do what they were not able to do with a campaign expenditure of close to a quarter million dollars.

They undoubtedly also hope that the legal bill will become so high CFASR will no longer be able to defend itself. Since the industry intimidates with lawsuits ( 5 in Reno alone within a couple years) it is vital to find sympathetic attorneys. Even with reduced rates, the
unpaid legal bill will be many tens of thousands of dollars. Although it is clear that a citizen group such as CFASR cannot pay the bills, sympathetic attorneys will continue working to prevent an injustice.

## State Legislature

The Nevada State Legislature held its biennial session during the first half of 2001. Two bills of interest to CFASR were introduced and passed:

## Senate Bill 265

The Nevada Legislature enacted SB 265, drafted and introduced by the Nevada Outdoor Media Association (NOMA), which limits local control of billboards by prohibiting amortization. The City of Henderson was in the eighth year of a ten-year amortization schedule to remove approximately 75 billboards. As a consequence of this legislation, any billboards removed in the State of Nevada henceforth will require the owners to be paid just compensation, the law requiring the compensation to be calculated in a way most favorable to the industry.

## Assembly Bill 443

Assemblywoman Vivian Freeman (Reno) introduced AB443 in response to problems that CFASR encountered while collecting signatures for its initiative petition. We were not allowed to use any public buildings at any government level. Also, we were harassed on occasion by the opposing side. With the passage of $A B 443$, citizens may circulate petitions on city, county or state property after first gaining permission from a supervisor. Enforcement of this law rests with the Office of the Secretary of State. In addition, that office is charged with developing a code of ethics which would govern the circulation process.

## CEASR Changes Name

At its montbly meeting on May 21, 2002, the Board of Directors approved a motion to change the name of the organization to: Citizens for a Scenic Northern Nevada (CFASNN). This larger area of coverage enables us to apply a counity-wide approach to billboard control and other scenic issues within the Reno-Sparks population center. CFASNN now represents
the northera half of Nevada, which includes 12 of Nevada's 17 counties. Also, we anticipate that eventually there will be established a counterpart organization to CFASNN representing the southerm half of the State.

## Tax-Exempt Status

In a letter from the TRS dated September 28, 2001, CFASNN was granted tax-exempt status under the provisions of Section 501(c)(3) of the Internal Revenue Code.

Attachments

## Reno City Planning Commission


I. PLEDGE OF ALLEGIANCE

MEMBERS
Kevin Weiske, Chair Dennis Romeo, Vice-Chair Doug Coffman Patrick Egan Max Haltom Dagny Stapleton Jason Woosley

Chair Weiske led the Pledge of Allegiance.

## II. ROLL CALL

Chair Weiske called the meeting to order at 5:03 p.m. A quorum was established
PRESENT: Doug Coffman, Patrick Egan, Max Haltom, Dennis Romeo, Dagny Stapleton, Kevin Weiske and Jason Woosley.

## ABSENT: None.

Marilyn Craig - Deputy City Attorney, was also present.
Chair Weiske stated the purpose of this workshop is for the Planning Commission and the City of Reno Planning Staff to gather information regarding the future of electronic billboards in the City of Reno. It is not to make a recommendation to the City Council or to take a vote. It is not to discuss on-site building or property signage.
III. PUBLIC COMMENT - This item is for either general public comment or for public comment on an action item. If commenting on an action item, please place the Agenda Item number on the Request to Speak form.

None.
Chair Weiske asked if there was a common spokesman for the billboard industry.
Aaron West - Clear Channel Outdoor, stated that he would be speaking on Item No. VII of the agenda and would be the only one presenting.

Lori Wray - Scenic Nevada, stated that Chris Wicker and Mark Wray would be speaking on behalf of Scenic Nevada.

Chair Weiske stated that he would allow 30 minutes from each group to make their presentations combined or individual. Public Comments will be allowed after the break. The general public will be allowed 3 minutes each for their comments. The meeting will be stopped at 8:00 p.m. Another meeting will be scheduled if more time is needed.

## Reno City Planning Commission Worksfiop - Minutes

September 20, 2011
Page 5 of 18
when someone asks about construction of new billboards going up behind my business when there was a ballot question prohibiting construction of off premises advertising displays/billboards. That is the relocation policy enacted by City Council. If the Scenic Nevada group had funds, we would have taken it to court at that time, but we don't have unlimited funds as the billboard industry seems to have.

Marilyn mentioned that these billboards would be relocated and the same billboard reconstructed somewhere else. With all due respect, that is not true. A new billboard is constructed at the new location. You have all seen the new billboards go up with sturdy single pillar steel structures that require a structural permit and a permit from the City of Reno. They were put in place where no billboards were ever put before. It is a clear violation of the ordinance.

Digital billboards were prohibited because it requires lighting of sign to be oriented toward the display. The more important restriction on the construction of billboards is back in the ballot question "Construction of new off premises advertising displays/billboards is prohibited and the City may not issue permits for their construction".

If somebody comes before this board and asks to construct a digital billboard, and they are going to tear down an existing billboard and construct a digital billboard, how is that not a new off premises advertising display? It becomes a completely different type of advertising display which defies logic and the English language. City ordinance 18.16.902(a) absolutely prohibits construction of digital billboards. If the Planning Commission was to devise an ordinance that would allow construction of digital billboards, setting forth all of the different conditions, such as flip times, lumens of light, exchange rate and size of display, that is going to be a new off premises advertising display/billboard, and that is prohibited by Reno city ordinances.

I am here to ask you and give you my opinion that digital billboards should be a non starter unless you change the ordinance that was enacted by the City of Reno. If you are going to do that, the Planning Commission should be honest, and say well this is a new time and we are going to go against the will of the voters and enact a new ordinance and throw out the one passed by the citizens in 2000. The City Council should take the same bull by the horns. I think it is a travesty for the Planning Commission or the City Council to try to pretend that digital billboards are not new off premise advertising displays/billboards because they are prohibited under current law by ordinance as voted by the citizens of Reno.

Mark Wray, attorney by profession in Reno, spoke next. He is a civil business lawyer and also a member of Scenic Nevada. He has attended workshops with billboard industry reps and Scenic Nevada and others. Questions by city staff by Ms. Hanson was series of questions, such as do we want electronic billboards, where, spacing, caps, exchange rates, standing or banked ones that get exchanged, flip time? Her first question is the controlling one, "Do we want electronic billboards"? Who is we? You know what the voters want - no new billboards. They said it in their ordinance.

NAME: CITIZENS FOR A SCENIC RENO

FILE TYP/NR C 8378-2000 ST NEVADA
STATUS: ARTICLES FILED : 03-27-00
TYPE: NON-PROFIT
PURPOSE: ALL LEGAL ACTIVITIES
REG ICC FEE 25.00
RA NBR: 105981
NO OFFICERS LISTED
RA MARIALICE GALT
557 CALIFORNIA AVE RENO
FILER MARIALICE K GALT
557 CALIFORNIA AVE RENO
INC ON MAR 27, 2000 FOR PERPETUAL NUMBER OF PAGES FILED: 3 DMC NRS 082.006-082.541

| NO OFFICERS LISTED |  | ARTICLES F |
| :--- | :--- | :---: |
| RA $\quad$ MARIALICE GALT |  | ACCEPTED |
| 557 CALIFORNIA AVE | RENO | NV 89509 |
| FILER MARIALICE K GALT |  |  |
| 557 CALIFORNIA AVE | RENO | NV 89509 |

CMD?


Page: 1 Document Name: untitled

# Firicle 

FEB 052001
:



CMD?
PA1=MENU $\quad$ PF5 = END INQ

## Certificate of Amendment to Articles of Incorporation <br> For Nonprofit Corporations

(NRS Chapters 81.010, 81.410, 81.170 and 82.356 - After First Meeting of Directors) - Remit in Duplicate -

1. Name of corporation:

2. The articles have been amended as follows (provide article numbers, if available):

3. The directors (or trustees) and the members, if any, and such other persons or public officers, if any, as may be required by the articles have approved the amendment. The vote by which the amendment was adopted by the directors and members, if any, is as follows: directors $\qquad$ , and members $\qquad$ .*
4. Officer Signature (Required):

(President or Vice President must sign if corporation is governed by NRS 81.010 or 81.410 )
*A majority of a quorum of the voting power of the members or as may be required by the articles, must vote in favor of the amendment. If any proposed amendment would alter of change any preference or any relative or other right given to any class of members, then the amendment must be approved by the vote, in addition to the affirmative vote otherwise required, of the holders of a majority of a quorum of the voting power of each class of members affected by the amendment regardless of limitations or restrictions on their voting power.

## FILING FEE: $\$ 25.00$

IMPORTANT: Failure to include any of the above information and remit the proper fees may cause this filing to be rejected.

may 142001
Mreamis

Important, Read attached instructions before complefing form.

| 1. Name of Corporation: | $\text { SCENLE } \quad V=V A D A, ~ l a$ |
| :---: | :---: |
| 2 <br>  | Frans R. CRRRNL $\qquad$ $\frac{88005}{\text { Zno Code }}$ |
| 3. Names, Addresses, Aumbar of Board of Directors/Trustees: | The First Board of Directorsfrustees shall consist of $\qquad$ 2 members whose names and addresses are as fowns: 1. FRANK TS GRREOL |
| 4. Purpose: |  <br>  Bexury of NEVODッ |
| 5. Other Ahatters: (s) | Number of additional pages attached: 1 |
| 6. Names, Addinesses and Signatures of incomporators: atrach adorional pares it there are mone than. 3 incepperates. <br> - |  |
| 7. Gertificate of Acceptance of Appointment of Resident Agent: <br> This form must be | I. <br> Feans R. CaRROLE <br> hereby acsept appointment as Resident Agent for the above named corporation. <br> Authorized Signature of R.A. or On Behaff of R.A Compary |

$$
012444-2001
$$

DEAN HELLER
Secretary of State
202 North Carson Street
Carson City, Nevada 89701-4201 (775) 6845708

Certificate of Change of Office Use Only: Resident Agent and/or Location of Registered Office

General instructions for this form:

1. Please print legibly or type; Black Ink Only.
2. Complete all fields.
3. The physical Nevada address of the resident agent must be set forth; PMB's are not acceptable.
4. Ensure that document is signed in signature fields.
5. Include the filing fee of $\$ 30.00$.


The change below is effective upon the filing of this document with the Secretary of State.
Reason for change: (check one) $\bar{\chi}$ Change of Resident Agent $\square$ Change of Location of Registered Office
The former resident agent and/or location of the registered office was:


City, State, Zip:


The resident agent and/or location of the registered office is changed to:


NOTE: $\quad$ For an entity to file this certificate, the signature of one officer is required.
The certificate does not need to be notarized.


Certificate of Acceptance of Appointment by Resident Agent:
I, $\ddagger$ U
 the above-named business entity.


## SCENIC NEVADA, INC.

| Business Entity |  |  |  |
| ---: | :--- | ---: | :--- |
| Status: | Active | File Date: | 5/14/2001 |
| Type: | Domestic Non-Profit <br> Corporation | Corp Number: | C12444-2001 |
| Qualifying State: | NV | List of Officers Due: | $5 / 31 / 2008$ |
| Managed By: |  | Expiration Date: |  |


| Resident Agent: Information |  |  |  |
| ---: | ---: | ---: | :--- |
| Name: | LORI WRAY | Address 1: | 2802 OUTLOOK DR. |
| Address 2: | City: | RENO |  |
| State: | NV | Zip Code: | 89509 |
| Phone: |  | Fax: |  |
| Email: |  | Mailing Address $1:$ | PO BOX 32 |
| Mailing Address 2: |  | Mailing City: | RENO |
| Mailing State: | NV | Mailing Zip Code: | 89504 |


| Financial Information |  |
| :--- | :--- |
| No Par Share Count: 10 | Capital Amount: $\$ 0$ |
| No stock records found for this company |  |



| ActionslAmendments |  |  |  |
| ---: | :--- | :--- | :--- |
| Action Type: Articles of Incorporation   <br> Document Number: C12444-2001-001 \# of Pages: 2 <br> File Date: 05/14/2001   <br> (No notes for this action) Effective Date:   <br> Action Type: Initial List   <br> Document Number: C12444-2001-005 \# of Pages: 1 |  |  |  |


| File Date: | \|06/25/2001 | Effective Date: |  |
| :---: | :---: | :---: | :---: |
| (No notes for this action) |  |  |  |
| Action Type: | Resident Agent Change |  |  |
| Document Number: | C12444-2001-003 | \# of Pages: | 1 |
| File Date: | 10/11/2002 | Effective Date: |  |
| FRANK R CARROLL |  |  |  |
| 1525 SUNSRISE CIR BOULDER CITY NV 89005 APN |  |  |  |
| Action Type: | Annual List |  |  |
| Document Number: | C12444-2001-004 | \# of Pages: | 1 |
| File Date: | 06/12/2003 | Effective Date: |  |
| (No notes for this action) |  |  |  |
| Action Type: | Annual List |  |  |
| Document Number: | C12444-2001-002 | \# of Pages: | 1 |
| File Date: | 04/07/2004 | Effective Date: |  |
| List of Officers for 2004 to 2005 |  |  |  |
| Action Type: | Annual List |  |  |
| Document Number: | 20050144428-20 | \# of Pages: | 1 |
| File Date: | 04/21/2005 | Effective Date: |  |
| (No notes for this action) |  |  |  |
| Action Type: | Annual List |  |  |
| Document Number: | 20060345061-77 | \# of Pages: | 1 |
| File Date: | 05/31/2006 | Effective Date: |  |
| (No notes for this action) |  |  |  |
| Action Type: | Annual List |  |  |
| Document Number: | 20070179276-51 | \# of Pages: | 1 |
| File Date: | 03/12/2007 | Effective Date: |  |
| (No notes for this action) |  |  |  |
| Action Type: | Resident Agent Change |  |  |
| Document Number: | 20070384976-76 | \# of Pages: | 1 |
| File Date: | 05/29/2007 | Effective Date: |  |
| (No notes for this action) |  |  |  |

From: Tara Moran ()
To: Tara Moran
Date: Friday, April 4, 2008 12:34:05 PM
Subject: LED Off-Premise Signs 'Workshop'
To all Interested Parties,
A "Workshop" has been scheduled to discuss LED Off-Premise Signs. You are being notified of this meeting because you have asked to be included in the reviewing process. The workshop is scheduled for Friday, April 25,2008 at 1:00 PM at the Community Development Department, 450 Sinclair Street, Reno, Nevada in the 3rd Floor Conference Room.

Please forward this email to any other interested parties or representatives on your behalf regarding this Workshop.

If you have questions please contact me at 333-7798 or email at morant@.ci.reno.nv.us.

Thank you.

Tara Moran
Assistant Planner
City of Reno - Community Development
P- (775) 333-7798
F- (775) 334-2343

Print

From: Tara Moran ()
To: Tara Moran
Date: Friday, April 18, 2008 10:56:42 AM
Subject: LED Workshop 'Agenda' and 'Discussion Items'

For your review, attached is the 'agenda' and a 'handout' of items to be discussed at the LED Workshop scheduled for 4/25/08 at 1PM - 3PM. Please note, any additional items of interest related to this topic, which are not listed, may also be discussed at the workshop.
Please let me know if you have any questions.
Thank you.

Tara Moran
Assistant Planner
City of Reno - Community Development
P- (775) 333-7798
F- (775) 334-2343

April 25, 2008
1 PM - 3 PM

## LED - WORKSHOP AGENDA

I. - Introduction
II. - Status of Review
III.- Presentation by Scenic Nevada - Limited to no more than $\pm 10$ minutes.
IV. - Discussion of:
a) General Standards
b) Luminance
c) Locational Criteria
d) Removal Requirement
e) Enforcement
f) Definitions
V. - Question and Answer Session

April 25, 2008

## WORKSHOP DISCUSSION ITEMS

## In addition to general standards for off-premise signs in RMC 18.16, 'digital'

 billboards shall comply with the following standards:(a) Shall only be allowed in permitted locations per Section 18.16.904(a). when within 100 feet of a freeway, or a major/minor arterial road (current code, discussion on should this item be changed) unless otherwise prohibited by this section.
(b) Each message or copy shall remain fixed for atoleast eight (8) seconds.
(c) Maximum time allowed for message display to:change shall be one (1) second.
(d) The following types of illuminated display are prohibited
(1) That is in motion ol appears to bbe in motion, is animated or

> Iuminated display are prohibitedy contains full motion videoodisplay.
(2) Any illumination that changes in intensity during the static display perode

(3) Any illumination thateflashes intermittently or moves.
(e) Such.advertising deviees shall containa default design that will freeze the deviee in one position if a malfunction occurs.
(f) Advertisements shall incozporate $10 \%$ (discussion item) of display time cor Publictervice Announecments, which shall occur on a recurring basisper-minite
No cutotet shall be perimitted.

## Luminance

Signstishall be effectively shielded as to prevent beams or rays of light fromifeing directed at any portion of the travel lanes as to cause glare or to impair the vision of the driver of any motor vehicle. or which otherwise interferes with any driver's operation of a motor vehicle.
(b)

No sign shall be so illuminated that it interferes with the effectiveness of or obscures an official traffic sign, device, or signal.
(c) Daytime maximum brightness levels shall be no greater than 6,000 nits (candles per square meter) and nighttime maximum brightness levels shall be no greater then $\mathbf{3 0 0}$ nits (discussion item).
(d) A digital sign shall be equipped with both a dimmer control and a photocell which automatically adjusts the displays intensity according to natural ambient light conditions.
(e) Prior to the issuance of a sign permit, the applicant shall provide a written certification from the sign manufacturer that the light intensity has been

## Additional locational criteria:

(a) The distance between LED or digital billboards shall be no less then 1,000 (current code, discussion on should this item be changed) lineal feet facing the same travel direction.
(b) A minimum spacing of 1,000 (current code, discussion on should this item be changed) lineal feet is required between a digital billboard and a changeable face (tri-vision) billboard.
(c) The distance between LED or digital billboards from any residential use shall be no less then 300 (current code, disseussion on should this item be changed) lineal feet
(d) The LED display shall not facta, or private). (discussion item) or private). (discussion item)
(e) Shall not be located in a Historic oreanservation District (discussion item).

## Removal Requirement (discussiōn=item)

Upon approvaluof a permit for andeED or digital off-premise sign, documentation of the foliowingishall be provided:


Owner of the sign shall provide the city a readout of NIT levels within no less than two business days.

## Definitions

Nit-
A unit measure of luminance or brightness equal to one candela per square meter, measured perpendicular to the rays of the source.
Changeable message sign (multi or tri-vision) - Any off premise advertising sign, display or devise which changes the message or copy on a sign by means of electronic rotation or horizontal or vertical slats. These signs do not utilize direct illumination.
Electronic sign (LED or Digital Billboard)- Any off-premise advertising sign, display or device that changes the message copy on the sign by means of light emitting diodes (LED's), fiber optics, light bulbs or © © ther illumination device within the display area which utilize direct illumination. Electronic signs do not include official time and temperatutueligns.
Direct Illumination - illumination by light sources which are effectivelfayisible, either directly of through a translucent material as pate of a sign andiluminate outward.
Indirect Illumination - illumination being directed ata ?



## Polli：Most residents oppose <br> Reno <br> digiital billlboarols in <br> sion in November 2009 to Scenic Nevada is an af filiate of Scenic America， is <br> By Brian Duggan <br> bduggan＠rgj．com

 which is involved in anti－ billboard fights around the country．Reno already has a ban
on any new billboards that


 city allows advertisers to them in other approved ar－ them in other approved ar－

James Barnes，a local解 Scenic Nevada，said digital billboards would amount
 he argues violates the 2000
＂The vote in 2000 was 57 percent in favor of ban－方
0
0
0
0
0
0
0
0 struction，＂he said．＂And，of

 tion．＂
 expected to take it up again later next month． billboards already exist billooards already exist and on tribal land near Reno．They differ from on－ premise signs，which busi－ nesses use to advertise on家 digital sign at the Grand Si－ cording to the telephone
poll conducted by Port－
Digital billboards use LED lights and can change land，Ore－based M．J．Ross messages every eight sec－ onds．

Councilman Dwight

 digital billboards ＂If you go back and ask them another question，if companies think digital
billboards are important billboards are important
to economic development to economic development would you support them？＂ Dortch said．＂There are all kinds of questions you can ask in a poll．I don＇t think it＇s ever wise to base your voting decisions on a poll of 600 people．＂ Group．It was paid for us－
ing a grant from the John
Ben Snow Foundation．
The poll has a margin of
error of about 4 percentage
points．It asked 600 regis－
tered Reno voters in April，
＂Do you think the city of
Reno should change the
law and allow digital bill－
boards within the Reno city
limits？＂
Reno officials have been Reno officials have been
eyeing a change to city code to allow off－premise digital billboards for three years now．
dnoxs preoqit！q－17ue uv
 poll this week that asked
Reno voters if they want the City Council to change city code to allow off－ Thoseopposed amounted to 55 percent，while 28 per－ cent said yes，and 17 per－ cent were undecided，ac－ cording to the telephone Digital billboards u poll conducted by Port－ land，Ore－based M．J．Ross Thoseopposed amounted cent said yes，and

The city＇s planning com－
mission postponed its deci－

CHECK VOTER STATUS link or call 775－328－3670．

Scenic Nevada's<br>Preserving Our Scenic Heritage Project<br>Reno Billboard Survey Results<br>An Analysis by M.J. Ross Group, Inc.

Scenic Nevada, a Reno based nonprofit organization affiliated with Scenic America with a mission to preserve and protect Nevada's scenic heritage, commissioned an April survey of Reno voters' attitudes about billboards. The survey findings confirm that the public continues to object to the visual presence of billboards and supports regulations to restrict the proliferation of digital billboards. Scenic Nevada board members believe the survey was necessary for the organization to decide its next steps.

Digital billboards are signs that are computer controlled and can change images every six to eight seconds. The survey results provide Scenic Nevada with assurance that Reno voters remain concerned about billboard signage. The April survey was also seen important as technological advances have radically changed the nature of the sign industry since 2000.

In 2000, Scenic Nevada was instrumental in the passage of a ballot question that banned new billboards within the city. The ballot question was ultimately upheld by the Nevada Supreme Court.

Billboards are generally defined as signs that advertise services and goods not available on the same premises of the property upon which the billboard is located. In addition, political campaign signs and public service announcements are also featured on billboards. Signs that identify businesses available on the premises are not billboards and are defined as "on-premise signs" by the City of Reno zoning ordinance. The ballot question did not apply to on-premise signs.

The City's administration of the billboard ban has been problematic to Scenic Nevada as the City created a "bank program" that allows billboards to be relocated to other permitted locations. Scenic Nevada feels this program is not consistent with the intent of the ballot question. The banking program did not follow the spirit or intent of the law and has proven a failure to protect scenic Reno, according to board members and board chairman James Barnes.

Scenic Nevada's digital billboard survey was conducted on April 16-19, 2011. It was a • telephone survey of 600 registered voters who reside within the city of Reno, Nevada. The survey was conducted by call takers working for M. J. Ross Group, Inc., a Portland, Oregon based communications and polling firm. For more information about survey methodology please contact Moses Ross, M. J. Ross Group, Inc. President, at 503-3097985.

In the overall poll results most responses carry a 4\% margin of error at the 95\% confidence level (The final question was added on the last day of polling, resulting in fewer respondents, and a plus or minus $5.74 \%$ error at $95 \%$ confidence). This means there is a $95 \%$ probability that the responses of ALL voters would fall within plus or minus $4 \%$ of the response gained in this poll. Regarding the demographic profile of poll respondents, respondents were slightly more likely to be women, Democratic, and over 49 than the overall population. The poll responses provided here are not adjusted to
reflect the variance of respondents from the population. An analysis of adjusted numbers shows that the difference from the unadjusted numbers is less than $2 \%$ in all cases and less than $1 \%$ in nearly all cases so use of the unadjusted numbers is considered reliable.

It is clear to conclude from this survey that a majority of voters oppose changes that would allow digital billboards. The groups most likely to be opposed to digital billboards are women, voters who identify as "Other", college or higher educated voters, voters with an income of $\$ 80,000$ to $\$ 99,999$ and voters aged 50 to 69 . The number of respondents whose race was other than "White" was too few to give a reliable indication of voter differences on this issue by race.

The concerns about digital billboards that appear to resonate most strongly with voters are their strong objection to seeing a digital billboard from their own window ( $2 / 3$ rds would object), and their concern about driver distraction (only $11 \%$ felt it was not important).

## Respondent Profile:

| GENDER | Respondents | Population |
| :--- | :---: | :---: |
| Men | $46 \%$ | $49 \%$ |
| Women | $54 \%$ | $51 \%$ |


| POLITICAL AFFILIATION | Respondents | Population |
| :---: | :---: | :---: |
| Democratic | 31\% | 39\% |
| Republican | 28\% | 39\% |
| Independent | 23\% | 16\% |
| Other | 14\% | 6\% |
| Declined to Respond | 5\% |  |
|  |  |  |
| RACE/ETHNICITY | Respondents |  |
|  |  |  |
| White | 83\% |  |
| Black | 3\% |  |
| Latino | 3\% |  |
| Asian | 3\% |  |
| Other | 5\% |  |
| Declined to Respond | 3\% |  |
|  |  |  |
|  |  |  |


| EDUCATION ACHIEVEMENT | Respondents |
| :--- | :---: |
| High School or less | $17 \%$ |
| Some College | $29 \%$ |
| College Degree | $29 \%$ |
| Graduate Degree | $22 \%$ |
| Declined to Respond | $3 \%$ |


| HOUSEHOLD INCOME | Respondents |
| :--- | :---: |
| $\$ 39,000$ or less | $36 \%$ |
| $\$ 40,000-\$ 59,999$ | $25 \%$ |
| $\$ 60,000-\$ 79,999$ | $16 \%$ |
| $\$ 80,000-\$ 99,999$ | $11 \%$ |
| $\$ 100,000$ or more | $11 \%$ |
| Declined to Respond | $0 \%$ |


| AGE | Respondents | Population |
| :--- | :---: | :---: |
| $18-29$ | $7 \%$ | $19 \%$ |
| $30-49$ | $29 \%$ | $33 \%$ |
| $50-69$ | $45 \%$ | $38 \%$ |
| $70+$ | $18 \%$ | $14 \%$ |
| Declined to Respond | $1 \%$ |  |


| QUESTION 1: Do you <br> either own billboards, <br> lease property to a <br> billboard company or <br> advertise on billboards? <br> 1966 respondents. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| YES 3\% | NO $28 \%$ | Declined to Say <br> $32 \%$ | No Surveys 37\% |  | remaining questions.


| QUESTION 2: Did you know that <br> electronic or digital billboards are <br> outdoor advertisements <br> displayed on a screen that flip <br> every 6 to 8 seconds night and <br> day? 600 <br> respondents. |  |  |  |
| :--- | :--- | :--- | :--- |
| YES $64 \%$ | NO $33 \%$ | NOT SURE | $3 \%$ |

QUESTION 3: If you were looking outside your window, either from home or your work place, would you object to seeing a digital billboard. 600 respondents.
YES 66\%

QUESTION 4: Generally speaking, do you think Reno has enough, too many, or not enough billboards now. 600 respondents.

ENOUGH 54\% $\quad$ TOO MANY 26\% $\quad$ NOT ENOUGH 6\% $\quad$ NOT SURE 14\%

QUESTION 5: As you may know, except for land designated to Native Americans, digital billboards are not allowed in the Reno city limits. The City of Reno is considering changing the law to allow new construction of digital billboards. Do you think the City of Reno should change the law and allow digital billboards within the Reno city limits? 600 respondents.
YES 28\% $\quad$ NO $55 \%$ NOT SURE $17 \%$

QUESTION 6: How important is it to you that you and other drivers are not distracted while driving? 600 respondents.

| IMPORTANT 36\% | VERY IMPORTANT 53\% | NOT IMPORTANT 11\% |
| :--- | :--- | :--- |


| QUESTION 7: How important is <br> it for Reno to strive to preserve, <br> protect and enhance its scenic <br> character similar to communities <br> such as Santa Barbara or <br> Carmel? 600 respondents. |
| :--- |
| IMPORTANT 40\% | | VERY IMPORTANT |
| :---: | :---: |
| $40 \%$ |$\quad$ NOT IMPORTANT 21\%

Note: Question Number 8 was only asked on the last day of calling so the number of respondents is lower than for the other questions. QUESTION 8: Digital billboards use far more energy than traditional billboards. In fact, the carbon footprint of one digital billboard is equal to 49 traditional billboards, according to a recent study. How important is it for the City of Reno to adopt energy efficient billboard sign laws? 291 respondents.

| IMPORTANT 40\% | VERY IMPORTANT <br> $41 \%$ | NOT IMPORTANT 19\% |
| :---: | :---: | :---: |

In reviewing these results the following conclusions are reasonable to infer:

1) Two thirds of Reno voters are familiar with electronic billboards.
2) Two thirds also would object to seeing an electronic billboard from their home or office window.
3) $80 \%$ of Reno voters feel that Reno already has enough or too many billboards. Over half state that Reno has enough billboards, while roughly one quarter feel there are too many billboards. Less than $10 \%$ state that there are not enough billboards.
4) $55 \%$ stated that Reno should NOT allow new construction of digital billboards.
5) Only $11 \%$ said driver distraction is not an important concern.
6) $80 \%$ said it is either important or very important for Reno to preserve, protect or enhance its scenic character.
7) Over $80 \%$ support energy efficient billboard sign laws.
8) While roughly equal percentages of women and men feel Reno has "too many" ( $26 \%$ and $27 \%$ ) or "not enough" ( $6 \%$ and $5 \%$ ) billboards, a larger percentage of women than men feel Reno has "enough" ( $58 \%$ vs $49 \%$ ) billboards, as opposed to being unsure ( $10 \%$ and $19 \%$ ). Women appear to be more certain in their feeling about billboards.
9) Men were more likely than women to support changing the law to allow digital billboards within the Reno city limits, although still more than half of all men opposed the change.
10) Among all respondents, Republicans were least likely to consider driver distraction to be "Very Important" and most likely to rate it "Not Important".
11) Those identifying themselves as Independent were the most likely to state that Reno should "strive to preserve, protect and enhance its scenic character" is "Important", and the least likely to rank it as "Not Important".
12) The higher the level of education, the more likely the respondent is to object to digital billboards.
13) Those with higher education are more likely to consider driver distraction "Very Important" and to feel it is "Very Important" that Reno "strive to preserve, protect and enhance its scenic character".
14) Those 70 or older are least likely to be aware of digital billboards.
15) While no age category significantly felt there were "Not Enough" billboards, those Under 30 were the most likely to say there are "Enough" as opposed to "Too Many".
16) Those voters Under 30 were less likely than older age groups to state that Reno should not change the law to allow digital billboards.
17) Regarding both driver distraction and scenic character, voters Under 30 more often ranked these as "Important" while older voters more often ranked them as "Very Important".

## From:

Sent:
To:
Cc:
Subject:
Attachments:

Lori Wray
Monday, December 05, 2011 1:42 PM
'fourrierm@reno.gov'
'Claudia Hanson'; Mark Wray; 'Doug Smith'; 'Chris Wicker'; 'petercneumann@sbcglobal.ner';
Arizona Court of Appeals Decision on Digital Billboards
Nevada Federal-State Agreement (FSA).pdf; NAC 410.docx

Dear Planning Commissioners,

An Arizona appellate court in November ruled that digital billboards are illegal along federal highways because digitals use intermittent lighting. The ruling could have a profound impact on the proposed ordinance you are about to review for the City of Reno. Also, the court's opinion directly contradicts statements made by Clear Channel Outdoor at recent planning commission meetings here that digital billboards do not violate federal laws.

In Scenic Arizona v City of Phoenix Board of Adjustment, the Arizona Court of Appeals rejected arguments of American Outdoor Advertising, holding that the Phoenix Board exceeded its authority in granting a permit for digital billboards because digitals require use of intermittent lighting, a violation of Arizona state law and an agreement between Arizona and the federal government.

Like Arizona and many other states, Nevada entered into an agreement in 1972 with the federal government to ensure continued federal funding of highways. The federal-state agreements, or "FSA's", enforce regulations for billboards on size, spacing and lighting. The purpose is to "protect the public investment in such highways, to promote the safety and recreational value of public travel and to preserve natural beauty." 23 U.S.C. § 131(a) (2002).

Nevada's agreement with the federal government (attached) states that billboards:
"shall not include or be illuminated by flashing, intermittent or moving lights (except that part necessary to give public service information such as time, date, temperature, weather or similar information) and shall not cause beams or rays of light to be directed at the traveled way if such light is of such intensity or brilliance or is likely to be mistaken for a warning or danger signal as to cause glare or impair vision of any driver, or to interfere with an driver's operation of a motor vehicle." See, Agreement, attached, p. 7 (emphasis supplied).

Nevada's Legislature adopted statutes requiring Nevada to enter into its FSA with the federal government. NRS 410.220 to 410.410 require the state to enter into an agreement with the federal government and have the force of law. The statutes say the regulations in the agreement must be consistent with federal highway standards, on "spacing, size and lighting." See, Agreement, attached.

The regulations are included in the Nevada Administrative Code (NAC) which says in part:
"Signs must not include or be illuminated by flashing, intermittent or moving lights and also electronic signs may be approved, "if the sign does not contain flashing, intermittent or moving lights ..." See, NAC 410.350, attached, (emphasis supplied).
in its 51-page decision, the Arizona Court of Appeals held that digital billboards use intermittent lighting because the images flip every eight seconds from one advertisement to another.
"Because the combination of LEDs used to display each brightly lit image on the billboard changes every eight seconds, the billboard's lighting necessarily is intermittent under the plain meaning of the statute. Thus, we are not persuaded by American Outdoor's attempt to exempt its billboard from the bar on intermittent lighting. The billboard uses multiple arrangements of lighting to display images that stop and start at regular intervals, which means it uses intermittent lighting." Scenic Arizonav City of Phoenix Board of Adjustment, page 22.

As currently proposed, the new Reno ordinance would permit digitals within the McCarran Ring road. Sections of Interstate 80 and US 395 (part of the National Highway System governed by federal and state laws) are located within the McCarran Ring.

In recent Planning Commission public hearings, Clear Channel Outdoor testified that digital billboards aren't in violation of federal laws. Apparently, Clear Channel bases this claim on a 2007 Federal Highway Administration (FHWA) guidance memo that says digital billboards "do not violate a prohibition against 'intermittent,' or 'flashing' or 'moving' lights as those terms are used in the various (federal-state agreements)."
The Arizona court said that there were no rules, laws or formal regulations changed to allow intermittent light and the memo from FHWA did not replace the 40-year old laws on the books regulating lighting.
"Similarly, we are unaware of any authority suggesting that a guidance memorandum from the FHWA has binding legal effect on the states, and the memorandum itself includes a disclaimer that it is 'not intended to amend applicable legal requirements.' In a nutshell, the only purpose of the memorandum was to open the door to individual states to work with the FHWA to find acceptable solutions for allowing digital billboards, in the discretion of each sate. The memorandum did not eliminate (Arizona's) prohibition of intermittent lighting." Scenic Arizona v City of Phoenix Board of Adjustment, page 31.

Scenic Nevada is opposed to digital billboards. The proposed city ordinance allowing digital billboards would violate city, state and federal law. We believe digitals include intermittent lighting; they are a distraction to drivers; they obstruct scenic views and detract from highway beautification; and they are new construction, which is prohibited. Reno city code says: "The construction of new off-premises advertising displays/billboards is prohibited, and the City of Reno may not issue permits for their construction."

The people voted 11 years ago to prohibit new construction and reaffirmed that vote in a recent survey, with $55 \%$ saying the Reno city codes should not be changed to allow digital billboards. When the time comes, please uphold the vote of the people and the laws of this state by voting no on allowing digital billboards within Reno.

Sincerely,
Lori Wray
Member, Board of Directors, Scenic Nevada
775 348-8877 work
775 848-8288 cell

## Reno City Planning Commission Meeting-Minutes <br> December 8, 2011

Page 4 of 6
Claudia Hanson - Planning and Engineering Manager, stated that staff can support the project.
Hearing no one wishing to speak Chair Weiske closed the public comment and asked for disclosures.
Commissioners Egan, Romeo, Stapleton and Chair Weiske disclosed receiving emails for this project. Commissioner Stapleton had a question regarding the height of the existing units.

Ms. Lindell stated there are a mix of 2 and 3 stories with studio, 1,2 and 3 bedroom units. She stated a chart was provided in the application that showed the height changes.

Chair Weiske-asked for a motion.
It was moved by Commissioner Egan, seconded by Commissioner Stapleton, to approve the special use permit, subject to conditions. Commissioner Egan stated he could make the Findings. The motion carried: Commissioners Egan, Romeo, Stapleton and Chair Weiske assenting; Commissioner Coffman and Woosley absent.

## VII. UPDATE, DISCUSSION AND POSSIBLE DIRECTION TO STAFF REGARDING ELECTRONIC BILLBOARD ORDINANCE. (For Possible Action)

Claudia Hanson - Planning and Engineering Manager, stated that Planning Commission asked for this item to be brought back for discussion, additional questions and/or direction to staff regarding the draft ordinance that will be presented at the next meeting. Ms. Hanson provided the ballot question R-1 regarding billboards to the Planning Commission.

Lori Wray - Scenic Nevada, stated there is a new issue regarding intermittent lighting which is currently prohibited by Federal and State Law. The Arizona Court of Appeal has ruled that digital billboards that use intermittent lighting are illegal along highways now. She stated that this isn't only a text amendment; they are abandoning a State and Federal agreement that has been in place for 40 years to protect the citizens. This agreement is meant to enforce the Highway Beautification Act and to protect the public's investment in highways, to promote safety and recreational value of public travel, and to preserve natural beauty. The McCarran ring is where the digital billboards are supposed to go. This will include Hwy 395 and I-80. Scenic Nevada is asking the Planning Commission not to abandon the State and Federal agreement and not to abandon the vote of 2000. She stated that one of the reasons the City of Reno wants to do this is to get rid of the clutter and in her opinion there are other ways to reduce clutter. She discussed the bank receipts and stated that as long as there is a bank, billboards can be placed in that bank to be relocated at a later date. She stated that there are unresolved issues with technology that the City of Reno hasn't considered or addressed.

Danny Schulte - YESCO Outdoor Media, stated there is a billboard ordinance that has been in place since 2000. They have operated under this ordinance for more than 11 years without any problems. They have taken boards down that were banked and have found new locations that were allowed by the current ordinance. In the current ordinance there is spacing requirements of 750 feet and changeable message signs/billboards. It's the same type of changeable message that the new LED technology provides, is recognized by NDOT which allows a minimum 6 second turn. YESCO has

## AGREEMENT

State of nevada
FOR CARRYING OUT NATIONAE POEICY REEATIVE TO CONTROL OF OUTDOOR ADVERTISING IN AREAS ADJACENT TO THE NATIONAL SYSTEM OF INTERSTATE AND DEFENSE YiIguhays And the federai-aid Primary system America represented by America represented by the Secretary of Transportation acting by and through the Federal Highway Administrator, hereinafter referred to as the "Administrator," and the State of Nevada, acting by and through its Board of Directors of Department of Highways, hereinafter referred to as the "State."

## WITNESSETH:

WHEREAS, Congress has declared that Outdoor Advertising in areas adjacent to the Interstate and Federal-aid primary systems should be controlled in order to protect the public investment in such highways, to promote the safety and recreational value of public travel and to preserve natural beauty; and

WHEREAS, Section 131(d) of Title 23, United States Code, authorizes the Secretary of Transportation to enter into agreements with the several States to determine the size, liahting, and spacing of signs, displays, and devices, consistent with customary use, which may be erected and maintained within 660 feet of the nearest edge of the right-of-way within areas adjacent to the Interstate and Federalaid Primary Systems which are zoned.industrial or commercial under authority of State law or in unzoned commercial or industrial areas. also to be determined by agreement; and

WHEREAS, the purpose of said agreement is to promote the reasonable, orderly, and effective display of outdoor advertising while remaining consistent with the national policy to protect the public

> -1-
investment in the Interstate and Federal-aid primary highways, to promote the safety and recreational value of public travel and to preserve natural beauty; and

WHERPAS, Section 131 (b) of Pithe 23. United States Code, provides that Federal-aid highway funds apportioned on or after January 1 , 1968, to any State which the Secretary determines has not made provision for effective control of the erection and maintenance along the Interstate System and the Primary System of outdoor advertising signs, displays, and devices which are within six hundred sixty feet of the nearest edge of the right-of-way and visible from the main traveled way of the system, shall be reduced by amounts equal to 10 per centum of the amounts which would otherwise be apportioned to such State under Section 104 of Title 23, United States Code, until such time as such State shall provide for such effective control; and

WHEREAS, the State of Nevada desires to implement and carry out the provisions of Section 131 of Title 23, United States Code, and the national policy in order to remain eligible to receive the full amount of all Federal-aid highway funds to be apportioned to such State on or after January 1; 1968, under Section 104 of Title 23 , United States Code; and

NOW, rCHEPEFORE, the parties hereto do mutually agree as

## SECTION I.

1. Definitions
A. Act means Section 131 of ritle 23, United States Code (1965) commonly referred to as Title I of the Highway Beautification Act of 1965 .
B. Commercial or industrial activities for purposes of unzoned commercial or industrial areas mean those activities generally recognized as commercial or industrial by zoning authorities in this State, except that none of the following activ-
ities shall be considered commercial or industrial:.
2. Outdoor advertising structures.
3. Agricultural, forestry, ranching, grazing, farming, and related activities, includingr but not limited to, wayside fresh produce stands.
4. Transient or temporary activities.
5. Activities not visible from the main
traveled way.
6. Activities more than 660 feet from the nearest edge of the right-of-way.
7. Activities conducted in a building
principally used as a residence.
8. Railroad tracks and•minor sidings.
c. Zoned commercial or industrial areas mean those areas which are zoned for business, industry, commerce, or trade pursuant to a State or local zoning ordinance or regulation.
D. Unzoned commercial or industrial areas mean those areas which are not zoned by State or local law, regulation, or ordinance, and on which there is located one or more permanent structures devoted to a commercial or industrial activity or on which a commercial or industrial activity is actually conducted, whether or not a permanent structure is located thereon, and the area along the highway extending 600 feet from and beyond the edge of such activity. In adaition,/the opposite side of the extent of the same dimensions sidered as an unzoned commercial or industrial area provided those lands on such opposite side are not deemed scenic or as having aesthetic value. In the event the area on the opposite side of the highway is deemed scenic, then only the side of the highuray having a commercial activity located thereon will be said to be unzoned commerciel or industrial for the purpose of this Agreement.

All measurements shall be from the outer edges of the regularly used buildings, parking lots, storage or processing, and
landscaped areas of the commervial on industrial activities, not from the property lines of the activities, and shall be along or parallel to the edge of pavement of the highway.
E. National System of Interstate and Defense Highways and Interstate System means the system presently defined in and designated pursuant to subsection (d) of section 103 of Title 23, United States Code.
F. Federal-aid primary highway means any highway within that portion of the state highway system as designated, or as may hereafter be so designated by the State, which has been approved by the Secretary of Transportation pursuant to suisection (b) Of Saction 103 of Title 23, United States code.
G. Traveled way means the portion of a roadway for the movement of vehicles, exclusive of shoulders.
H. Main-traveled way means the traveled way of a highway on which through traffic is carried. In the case of a divided highway the traveled way of each of the separate roadways for traffic in opposition is a main-traveled way. It does not include such facilities as frontage roads, turning roadways, or parking areas.
I. Sign means any outdoor sign, display, devico, figure, painting, drawing, message, placard, poster, billboard, or other thing which is designed, intended, used to advertise or inform, any part of the advertising or information contents which is visible from any place on the main-traveled way of the Interstate or Federal-aid Primary Highway Systems.
J. Erect means to construct, build, raise, assemble, place, affix, attach, create, paint, draw, or in any other way bring into being or establish, but it shall not include any of the foregoing activities when performed as an incident to the change of advertising message or normal maintenance or repair of a sign structure.
K. Maintain means to allow to exist.
L. Safety rest area means an area or site established and maintained within or adjacent to the highway right-of-way by or under public supervision or control, for the convenience of the traveling public.
M. Visible means thet the advertising copy or informative contents are capable of being seen without visual aid by a person of normal visual acuity.

SECTION II. SCOPE OF AGREEMENT
This Agreement shall apply to the following areas:
A. All zoned and unzoned commercial and industrial areas'within 660 feet of the nearest edge of the right-of-way of all portions of the Interstate and Primary Systems within the state Of Nevada in which outdoor advertising signs may be visible from the main-traveled way of either or both of said systems.

SECTION III: STATE CONTROL
The State hereby agrees that, in aII areas within the scope of this agreement, the state shall effectively control, or cause to be controlled, the erection and maintenance of outdoor advertising signs, displays, and devices erected subsequent to the effective date of this agreement other than those advertising the sale or lease of the property on which they are located, or activities conducted thereon, in accordance with the following criteria:
A. In zoned commercial and industrial areas, the state may notify the Administrator as notice of effective control that there has been established within such areas regulations which are enforced with respect to the size, lighting, and spacing of outdoor advertising signs consistent with the intent of the Highway Beautification Act of $1965^{\circ}$ and with customary use. In such areas, the size, lighting, and spacing reguirements sei forth below shall not apply.
B. In all other zoned and unzoned commercial and industrial areas, the criteria set forth below shall apply.

> Size of Signs
I. The maximum area for any one sign shall be 1,200
souare feet with a maximum height of 30 feet and maximum length of 60 feet, inclusive of any border and trim but excluding the base or apron, supports, and other structural members.
2. The area shali be measured by the smallest square, rectangle, triangle, circle, or combination thereof which will encompass the entire sign.
3. The maximum size limitations shall apply to each side of a sign structure; and signs may be placed back-to-back, side-by-side, or in V-type construction with not more than two displays to each facing, and such sign structure shall be considered

## Spacing of Signs

1. Interstate and Federal-aid Primary Highways
a. Signs may not be located in such a manner as to obscure, or otherwise physically interfere with the effectiveness of an official traffic sign, signal, or device, obstruct or physically interfere with the driver's view of approaching, merging, or intersecting traffic.
2. Interstate Highways and Freeways on the Federalaid Primary System
a. No two structures shall be spaced less than 500 feet apart.
b. Outside of ircorporated villages and cities, no structure may be located adjacent to or within 500 feet of an interchange, intersection at grade, or safety rest area. Said 500 feet to be measured along the Interstate or freeway from the beginning or ending of pavement widening at the exit from or entrance to the main-traveled way.
3. Nonfreeway Federal-aid Primary Highways
a. Outside of incorporated villages and cities no two structures shall be spaced less than 300 feet apart. b. Within incorporated villages and cities no two structures shall be spaced Iess than 100 feet apart.
4. The above spacing-between-structures provisions do not apply to structures separated by buildings or other obstructions in such a manner that only one sign facing located within the above spacing distances is visible from the highway at any one time.
5. Explanatory Notes
a. Official and "on-premise" signs, as defined in Section 131 (c) of Title 23 , United States code, and structures that are not lawfully maintained shall not be counted nor shall measurements be made from them for purposes of determining compliance with spacing requirements.
b. The minimum distance between structures shall be measured along the nearest edge of the pavement between points directly opposite the signs along each side of the highway and shall apply onIy to structures located on the same side of the highway.

## Lighting

Signs shall not be placed with illumination that interferes with the effectiveness of, or obscures any official traffic sign, device or signal; shall not include or be illuminated by flashing, intermittent or moving lights (except that part necessary to give public service information such as time, date, temperature, weather or similar information) and shall not cause beams or rays of light to be directed at the traveled way if such light is of such intensity or brilliance or is likely to be mistaken for a warning or danger signal as to cause glare or impair the vision of any driver, or to interfere with any driver's operation of a motor vehicle.

At any time that a bona fide county or local zoning authority adopts regulations which include the size, lighting, and spacing of outdoor advertising, the State may so notify the Administrator and control of outdoor advertising in the comercial or industrial zones within the geographical jurisdiction of said

$$
-7-
$$

:
authorityurnil msasfer to subsection $A$ of this section. Application to Existing Signs

The standards and criteria set forth in this Section III shall zmply to signs erected zoned and unzoned ortin this section zoned and unzoned/zwns
1971. Signs lawfuitry ereoted ind unzoned areas signs lawfuily exected in/ commercial and industrial/wtums prior to Apris 27, 1971, will be considered to be conforming to the standards and criteria and will not be required to be removed if they are in conformity with the laws relating to such signs enacted by the Nevada Iegislature and in effect at that time.

## SECTION IV. INTERPRETATION

The provisions contained herein shall constitute the standards for effective control of signs, displays, and devices within the scope of this agreement.

The provisions contained herein pertaining to the size, lighting, ana spacing of outdoor advertising signs permitted in zoned and unzoned commercial and industrial areas shall apply only to those signs erected subsequent to the effective date of this agreement except for those signs erected within 6 months after the effective date of this agreement in zoned or unzoned commercial or industrial areas on land leased prior to such effective date, provided that a copy of such lease be filed with the State highway department within 30 days following such effective date.

The state and local political subdivisions thereof shall have full authority respectively, to zone areas for commercial or industrial purposes, and the acts of the state or local political subdivisions in this regard will be accepted for the purpose of this agreement. Whenever a bona fide state, county; or local zoning authority has made a determination of customary use, such determination will be accepted in lieu of controls by agreement in the zoned commercial and industrial areas within the geographical
jurisdiction of such authority. Nothing in this section shall apply to signs, displays and devices, advertising the sale or lease of, or advertising activities conducted on, the property on which they are located.

In the event the provisions of the Highway Beautification Act of 1965 are amended by subsequent action of Congress or the State legislation is amended, the parties reserve the right to renegotiate this agreement or to modify it to conform with any amendment.

Tourisi-oriented signs will not be required to be removed until the Highway Beautification Commission, established by Public Law 91-605, December 31, 1970, under section 123, has submitted its report.

SECTION V. EFFECTIVE DATE
This Agreement shall have an effective date of April 27, 1971.

IN WITNESS WHEREOF the parties hereto have executed this Agreement the day and year first above written. ATTEST: BOARD OF DIRECTORS, STATE OF NEVADA

DEPARTMENT OF HIGHWAYS
 Presented by:

Approved as to Legality and Form:
Mhel:an M. Nomen L Deputy Attorney General
Ansi.
Gif Counsel, Department of Highways


Electronically Filed Dec 192014 03:43 p.m. Tracie K. Lindeman Clerk of Supreme Court

# IN THE SUPREME COURT OF THE STATE OF NEVADA 

SCENIC NEVADA, INC.
Appellant,
Case No. 65364
v.

CITY OF RENO, a Political Subdivision of the State of Nevada,

Respondent.

## JOINT APPENDIX

## VOL. 8

Mark Wray, \#4425
Law Offices of Mark Wray
608 Lander Street
Reno, Nevada 89509
(775) 348-8877
(775) 348-8351 fax

Attorney for Appellant
SCENIC NEVADA, INC.

## INDEX OF APPENDIX

| NO. | DOCUMENT | DATE | VOL. | NO. |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Answer to First Amended Complaint | 7/30/2013 | 1 | 059-067 |
| 2 | Case Appeal Statement | 3/28/2014 | 3 | 511-515 |
|  | Complaint for Judicial Review to |  |  |  |
| 3 | Ordinance | 11/16/2012 | 1 | 001-019 |
| 4 | Defendant's Trial Statement | 2/13/2014 | 1 | 097-127 |
|  | First Amended Answer to First Amended |  |  |  |
| 5 | Complaint | 8/6/2013 | 1 | 068-077 |
|  | First Amended Complaint to Invalidate |  |  |  |
| 6 | City of Reno Digital Billboard Ordinance | 4/15/2013 | 1 | 032-051 |
| 7 | Minutes of Non-Jury Trial | 2/25/2014 | 2 | 458-475 |
| 8 | Minutes of Oral Arguments | 3/28/2013 | 1 | 027 |
| 9 | Minutes of Oral Arguments | 11/6/2013 | 1 | 092 |
| 10 | Minutes of Pre-Trial Conference | 2/3/2014 | 1 | 096 |
| 11 | Notice of Appeal | 3/28/2014 | 3 | 507-510 |
| 12 | Notice of Entry of Order | 3/28/2014 | 3 | 503-506 |
| 13 | Order (to set oral argument) | 3/12/2013 | 1 | 025-026 |
|  | Order (granting motion to dismiss/motion |  |  |  |
| 14 | to amend) | 3/29/2013 | 1 | 028-031 |
| 15 | Order (to set oral argument) | 6/7/2013 | 1 | 052-053 |
|  | Order (granting motion to supplement motion to dismiss) | 6/27/2013 | 1 | 054-056 |
| 16 | Order (denying motion to dismiss first |  |  |  |
| 17 | amended complaint) | 7/23/2013 | 1 | 057-058 |
|  | Order (denying motion to dismiss |  |  |  |
| 18 | Saunders' complaint) | 9/19/2013 | 1 | 088-091 |
|  | Order (denying motion for summary |  |  |  |
| 19 | judgment) | 2/18/2014 | 1 | 142-144 |
| 20 | Order (judgment in favor of defendant) | 3/27/2014 | 3 | 476-502 |
| 21 | Plaintiff's Trial Statement | 2/13/2014 | 1 | 128-141 |
| 22 | Pretrial Order | 8/27/2013 | 1 | 078-085 |
|  | Proof of Service of Summons and |  |  |  |
| 23 | Complaint | 11/16/2012 | 1 | 020-024 |
|  | Stipulation and Order to Consolidate |  |  |  |
| 24 | Actions | 9/11/2013 | 1 | 086-087 |



| 1 | NO. | DOCUMENT | DATE | VOL. | $\begin{aligned} & \text { PAGE } \\ & \text { NO. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3 |  |  |  |  | 1062- |
| 4 | 57 | Trial Exhibit 31 |  | 5 | 1064 |
| 5 |  |  |  |  | 1065- |
| 5 | 58 | Trial Exhibit 32 |  | 5 | 1070 |
| 6 |  |  |  |  | 1071- |
| 7 | 59 | Trial Exhibit 33 |  | 5 | 1083 |
| 7 |  |  |  |  | 1084- |
| 8 | 60 | Trial Exhibit 34 |  | 5 | 1093 |
| 9 |  |  |  |  | 1094- |
| 10 | 61 | Trial Exhibit 35 |  | 5 | 1095 |
| 10 |  |  |  |  | 1096- |
| 11 | 62 | Trial Exhibit 36 |  | 5 | 1113 |
| 12 |  |  |  |  | 1114- |
| 12 | 63 | Trial Exhibit 37 |  | 5 | 1131 |
| 13 |  |  |  |  | 1132- |
| 14 | 64 | Trial Exhibit 38 |  | 5 | 1145 |
| 14 |  |  |  |  | 1146- |
| 15 | 65 | Trial Exhibit 39 |  | 5 | 1150 |
| 16 |  |  |  |  | 1151- |
|  | 66 | Trial Exhibit 40 |  | 5 | 1162 |
| 17 |  |  |  |  | 1163- |
| 18 | 67 | Trial Exhibit 41 |  | 5 | 1164 |
| 19 |  |  |  |  | 1165- |
| 19 | 68 | Trial Exhibit 42 |  | 5 | 1167 |
| 20 |  |  |  |  | 1168- |
| 21 | 69 | Trial Exhibit 43 |  | 5 | 1182 |
|  |  |  |  |  | 1183- |
| 22 | 70 | Trial Exhibit 44 |  | 5 | 1188 |
| 23 |  |  |  |  | 1189- |
| 24 | 71 | Trial Exhibit 45 |  | 5 | 1191 |
| 24 |  |  |  |  | 1192- |
| 25 | 72 | Trial Exhibit 46 |  | 5 | 1193 |
| 26 |  |  |  |  | 1194 |
| 26 | 73 | Trial Exhibit 47 |  | 5 | 1197 |
| 27 |  |  |  |  | 1198- |
| 28 | 74 | Trial Exhibit 48 |  | 5 | 1202 |


| 1 | NO. | DOCUMENT | DATE | VOL. | $\begin{aligned} & \text { PAGE } \\ & \text { NO. } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3 |  |  |  |  | 1203- |
| 4 | 75 | Trial Exhibit 49 |  | 6 | 1206 |
| 5 |  |  |  |  | 1207- |
| 5 | 76 | Trial Exhibit 50 |  | 6 | 1213 |
| 6 |  |  |  |  | 1214- |
| 7 | 77 | Trial Exhibit 51 |  | 6 | 1223 |
|  |  |  |  |  | 1224- |
| 8 | 78 | Trial Exhibit 52 |  | 6 | 1229 |
| 9 |  |  |  |  | 1230- |
|  | 79 | Trial Exhibit 53 |  | 6 | 1232 |
| 10 |  |  |  |  | 1233- |
| 11 | 80 | Trial Exhibit 54 |  | 6 | 1235 |
| 12 |  |  |  |  | 1236- |
| 12 | 81 | Trial Exhibit 55 |  | 6 | 1239 |
| 13 |  |  |  |  | 1240- |
| 14 | 82 | Trial Exhibit 56 |  | 6 | 1246 |
|  |  |  |  |  | 1247- |
| 15 | 83 | Trial Exhibit 57 |  | 6 | 1249 |
| 16 |  |  |  |  | 1250- |
|  | 84 | Trial Exhibit 58 |  | 6 | 1252 |
| 17 |  |  |  |  | 1253- |
| 18 | 85 | Trial Exhibit 59 |  | 6 | 1259 |
| 19 |  |  |  |  | 1260- |
|  | 86 | Trial Exhibit 60 |  | 6 | 1264 |
| 20 |  |  |  |  | 1265- |
| 21 | 87 | Trial Exhibit 61 |  | 6 | 1269 |
|  |  |  |  |  | 1270- |
| 22 | 88 | Trial Exhibit 62 |  | 6 | 1271 |
| 23 |  |  |  |  | 1272- |
| 24 | 89 | Trial Exhibit 63 |  | 6 | 1273 |
|  |  |  |  |  | 1274- |
| 25 | 90 | Trial Exhibit 64 |  | 6 | 1293 |
| 26 |  |  |  |  | 1294- |
|  | 91 | Trial Exhibit 65 |  | 6 | 1315 |
| 27 |  |  |  |  | 1316- |
| 28 | 92 | Trial Exhibit 66 |  | 6 | 1320 |





BUILDING PERMIT APPLICATION $\mathrm{Rev} 09 / 11$
City of Reno
Community Development Department
450 Sinclair Street - P.O. Box 1900, Reno, NV 89505
(775) 334-2063 - www.reno.gov

Fax (775) 334-2043

SIGNS
Case No.:
Rec'd By:


Parcel Number:


Address: 50, in). MonA LAnce
Suite:


Description of Work:
NEW BILUBUARH STRUCTURE TO REPLACE 2 UNITS REWWVOO \& Y MOAn LAME LIIDEXINLS. STKUCTUKE TO-HAUE 2-300SF FACES EACH SIDE: USM BANKED RECEIPTS CC-3\$CC-4, AND ASSOCIATED ELECTRICAL

Contractor Information:
Contractor: Clean Ceanater Dutooorecontact Name:_HARON L lest
$\qquad$ Address: 4945 Joule ST, Renco NV 895 DZ
Phone No.: 775-353-5255 Fax No:: 775-856-7595
Email address: AAROnLblésT e CLEAKCHANANEL. Com
Nevada License \#: $\qquad$ 51604 City License \#: $\qquad$ 15892

Project Information:


1) A site Plan indicating in detail the proposed location (s) of the sign (s).
2) A representation to scale of the height, width, depth of the sign with all copy to be displayed on sign.
3) Site plans which show the distance from pole/monument signs to adjacent driveways and lot lines.
4) Detailed method of attachment.
5) An electrical load including the voltage and amperage.

Note: It is the responsibility of the applicant to provide all applicable information upon submittal of each sign permit. Failure to accurately provide the above information as it applies to this application may delay the processing and approval of the sign permit.

Applicant (print)
 (sign)


## Geotechnical Investigation

Moana lane Widening Billboard Relocation - Sites 1 And 2

Reno, Nevada

CME
CONSTRUCTION MATERIALS ENGINEERS, INC.

Prepared for:

## Clear Channel Outdoor

Jandary 2012
File: 1360

6980 Sierra Center Parkway, Suite 90
Reno, NV 89511

January 31, 2012
File: 1360

Mr. Aaron West
CLEAR CHANNEL OUTDOOR
4945 Joule Street
Reno, Nevada 89502

## RE: Geotechnical Investigation Moan Lane Widening Project Billboard Relocation Sites 1 \& 2 Reno, Nevada

Dear Mr. West:

Construction Materials Engineers, Inc. is pleased to submit our geotechnical investigation for the Mona Lane Widening Project Billboard Relocation for Sites 1 \& 2 in Reno, Nevada.

The following report includes the results of our field and laboratory investigations and presents our recommendations for the design and construction of the project. We wish to thank you for the opportunity to provide gu-services and look forward to working with you on future endeavors. Please feel free to call us should you have any questions or require additional information.
sandal A. Reynolds, PE/
Senior Gedtechnical Engineer
rreynolds@cme-cory.com
Direct 775-737-7576
Direct Fax: 775-737-7507
RAR:rar.jwl
Enclosures


U:Netivaliseogae raportiker_Itr dine

## Table of Contents

1.0 INTRODUCTION .....
2.0 PROJECT DESCRIPTION ..... 1
3.0 SITE CONDITIONS ..... 1
3.1 Crummer Lane ..... 1
3.2 Green Acres Drive ..... 1
3.3 Huffaker Place ..... 2
4.0 RESEARCH ..... 2
5.0 EXPLORATION ..... 2
5.1 Exploratory Test Pits ..... 2
5.2 Material Classification ..... 3
6.0 LABORATORY TESTING ..... 3
6.1 Index Testing ..... 3
6.2 R -Value Testing ..... 3
7.0 EXISTING STRUCTURAL SECTION ..... 3
8.0 GEOLOGIC AND GENERAL SOIL CONDITIONS ..... 4
8.1 Crummer Lane ..... 4
8.1.1 Existing Subgrade Soil Conditions ..... 4
8.2 Green Acres Drive and Huffaker Place ..... 4
8.2.1 Existing Subgrade Soil Conditions ..... 4
8.2.1.1 Green Acres Drive ..... 4
8.2.1.2 Huffaker Place ..... 5
8.3 Soil Moisture and Groundwater Conditions ..... 5
9.0 SUBGRADE SOIL STRENGTH (RESILIENT MODULUS ..... 5
10.0 DISCUSSION AND RECOMMENDATIONS ..... 6
10.1 General Information ..... 6
10.2 Structural Section Design ..... 7
10.2.1 Structural Section Recommendations ..... 7
10.2.1.1 Huffaker Place ..... 7
10.2.1.2 Green Acres Drive ..... 7
10.2.1.3 Crummer Lane ..... 7
10.3 ESAL Count Determination ..... 8
11.0 CONSTRUCTION RECOMMENDATIONS ..... 8
11.1 Site Preparation ..... 8
11.2 Roadbed Soils Preparation ..... 9
11.2.1 Stabilizing Construction Procedure ..... 9
11.3 Gracing and Filling ..... 11
11.4 Trenching and Excavation ..... 11
11.5 Asphalt Design Life ..... 12
11.6 Anticipated Construction Problems ..... 13
12.0 CONSTRUCTION OBSERVATION AND TESTING SERVICES ..... 13
13.0 STANDARD LIMITATION CLAUSE. ..... 13
REFERENCES ..... 15
Construction Materials Engineers, Inc.

## TABLE OF CONTENTS (CONTINUED)

## TABLES

1- Site Classification Definitions
2 - Seismic Design Parameters
3- Soil Modeling and Strength Properties
4 - Drilled Shaft Lengths in Relationship to Calculated Deflections
5 - Allowable Drilled Shaft Dimensions with Corresponding Axial Capacities

## APPENDICES

## Appendix A

A-1 - Site Map
A-2 - Boring Logs
A-3 - Unified Soils Classification Chart and Key to Soil Description

## Appendix B

B-1 - Index Test Results
Appendix C
LPILE Output Results
Appendix D
SSRBC - Section 509

# Geotechnical Investigation <br> Moana Lane Widening Billboard Relocation - Sites 1 and 2 <br> Reno, Nevada 

### 1.0 INTRODUCTION

Presented herein are the results of Construction Materials Engineers Inc. (CME) geotechnical exploration, laboratory testing, and associated geotechnical design recommendations for the billboard relocations (Sites 1 \& 2) as part of the Moana Lane Widening Project. These recommendations are based on surface and subsurface conditions encountered in our explorations, and on details of the proposed project as described in this report. The objectives of this study were to:

1. Investigate general soil and ground water conditions pertaining to design and construction of the proposed project.
2. Provide recommendations for design and construction of the project, as related to these geotechnical and ground water conditions.

The area covered by this report is shown on Plate A-1 (Site Map and Exploration Locations) in Appendix A. The proposed project is located in Section 24, Township 19N, Range 19E M.D.M.

Our study included field exploration, laboratory testing, and engineering analysis to identify the physical and mechanical properties of the various on-site materials. Results of our field exploration and testing programs are included in this report and form the basis for all conclusions and recommendations:

### 2.0 PROJECT DESCRIPTION

It is understood that the billboards will be relocated to accommodate the proposed widening of Moana lane. Moana lane will be widened approximately 50 feet along the south side of the existing roadway. The billboards and proposed relocation areas are as follows:
$>$ Site 1: The existing billboard located near La Vecchia Restaurant (southwest corner of South Virginia Street and Moana Lane) will be relocated south of its current location.
$>$ Site 2: The existing billboard located at the northwest corner of South Virginia Street and Moana Lane will be relocated near Green Acres Mobile Home Park located on the north side of Moana Lane near Lymberry Street

All billboards will be supported on single pole structures with drilled shaft foundations. Structural loading for the billboards was provided by GRC Engineering; Inc. Anticipated loads are as follows:
$>$ Maximum axial load: 40 kips
$>$ Maximum wind load (perpendicular to billboard face): 28 kips
> Maximum moment (dead and wind combined): 1100 ft -kips
The billboards will have a maximum height of 35 feet with a front face dimension of 14 feet by 48 feet.

### 3.0 SITE CONDITIONS

## $3.1 \quad$ Site 1

Site 1 is located near La Vecchia Restaurant at the southwest corner of South Virginia Street and West Moana Lane. Currently, two structures and an existing billboard are located on this property. It is understood that the existing structures will be demolished and removed to provide access for the Moana Lane Widening Project. Paved parking and access roads are also located on the property.

### 3.2 Site 2

Site 2 is located at the Green Acres Trailer Park near the northwest corner of Lymberry Street and West Moana Lane. The trailer park has several mobile homes located along the western and eastern boundaries of the property. A partially paved roadway is located in the center of the mobile home park providing access to West Moana Lane. Several small to medium-sized trees are located along the westem and eastern boundaries of the property.

### 4.0 RESEARCH

SEA Engineers Inc. completed a geotechnical investigation for the Peppermill Hotel and Casino Expansion in 1985. The project is located immediately north of Sites $1 \& 2$ and is located in a similar geologic formation. The geotechnical information from this report was used to supplement the field exploration completed with this investigation.

### 5.0 EXPLORATION

### 5.1 Drilling

The proposed sites were explored in October 2011 by drilling 2 test borings (one boring per site location). The borings were drilled using a truck-mounted CME 75 soil sampling drill rig with 6 -inch outside-diameter (O.D.), 31/4-inch inside-diameter (I.D.), continuous-flight augers. The maximum depth of exploration was 30 feet below the existing ground surface. The approximate locations of the test borings are shown on Plate A-1: Site Plan.

The native soils were sampled in-place every 2 to 5 feet using a standard 2 -inch OD split-spoon sampler driven by a standard 140-pound drive hammer with a 30 -inch stroke, which is known as the Standard Penetration Test (SPT) - ASTM D 1586. The number of blows to drive the sampler the final 12 inches of an 18-inch penetration into undisturbed soil provides an indication of the density or consistency of the material.

A 3-inch O.D. split-spoon sampler was also used to sample soils containing gravel or where approximate in-place densities of subsurface materials were required. Sampling methods used were similar to the SPT but also include the use of $21 / 2$-inch diameter, 6 inch long brass sampling tubes placed inside the split-spoon sampler. Because of the larger diameter of the sampler, blow counts are typically higher than those obtained with the SPT and should not be directly equated to SPT blow counts. The logs indicate the type of sampler used for each sample.

Due to the relatively small diameter of the SPT sampler, the maximum particle size that could be recovered was approximately $11 / 4$ inches. The final logs may not, therefore, adequately represent the actual quantity or presence of gravels, cobbles, or boulders.

### 5.2 Material Classification

Soils were examined and classified during exploration in general accordance with ASTM D 2488 (Description and Identification of Soils). During exploration, representative bulk samples were placed in sealed plastic bags and retumed to our laboratory for testing. Upon completion of laboratory testing, additional soil classification and verificatlon of the field classifications were subsequently performed in
accordance with the Unified Soil Classification System (USCS), as presented in ASTM D 2487. Boring logs are presented on Plate A-2 and a Graphic Soils Classification Chart is presented on Plate A-3.

### 6.0 LABORATORY TESTING

All soil testing performed in the CME's soils laboratory is conducted in accordance with the standards and methodologies described in Volume 4.08 (Soil and Rock; Dimension Stone; Geosynthetics) of the ASTM Standards.

### 6.1 Index Testing

Samples of significant soil types were analyzed to determine their in situ moisture content (ASTM D 2216), grain size distribution (ASTM D 422), and plasticity index (ASTM D 4318). Results of these tests were used to classify the soils according to ASTM D 2487 and to check the field logs, which were then updated as appropriate. Test results are presented on Plate B-1.

### 7.0 GEOLOGIC AND GENERAL SOIL PROFILE DESCRIPTIONS

Sedimentation in the Truckee Meadows has been in progress at varying rates since the formation of the block faulted basin. Most of the sediments, including the coarse grain, gravelly sands that underlie the majority of the Truckee Meadows, were deposited quite abruptly in the post-glacial period during torrential flooding. With the advent of a warm, drier climate, the volume and size distribution of sediment transported was greatly reduced and the sedimentation process became largely limited to the reworking of earlier deposits.

Based on a review of a published Geologic Map that incorporates the project area, Geologic Map of the Mount Rose NE Quadangle (Bonham and Rogers 1983), Sites 1 and 2 are located in the Donner Lake Outwash Formation. This formation is a glacial outwash deposit of Pleistocene age characterized as a heterogeneous mixture of sands, gravels, cobbles and boulders. Boulder-sized particles up to 16 feet in diameter have been encountered in this deposit (Bingler, 1975). Typically, this formation has a welldeveloped argillic horizon consisting of clayey sands and gravels with high plastic soil characteristics.

## $7.1 \quad$ Site 1

The uppermost soll stratum encountered to a depth of about $31 / 2$ feet below the existing ground surface (bgs) was clayey sand with gravel (SC). Underlying this uppermost soil stratum to a depth of 8 feet bgs, silty sand with gravel (SM) was encountered. Poorly graded sand with silt and gravels (SP-SM) was encountered from about 8 to 12 feet bgs. Based on SPT blow counts, the relative density of the soil strata encountered from $31 / 2$ to 12 feet bgs was medium dense to dense. Poorly graded gravel with sand and silt (GP-GM) was encountered from 12 to 20 feet bgs. Based on SPT blow counts, the relative density of this soil stratum was dense to very dense. The lowermost soil horizon encountered to depth of exploration was poorly graded sand with silt (SP-SM).

Borings completed for the referenced Peppermill Hotel were drilled to depths of up to 47 feet bgs. Geologically, the Peppermill Hotel is located in the Donner Lake Formation. The soil profile encountered is similar to Sites $1 \& 2$ consisting of dense poorly graded sands with silts and gravels (SP-SM) and poorly graded gravels with sand and cobbles (GP-GM). These borings indicate that this soil profile extends below the exploration depths completed with this investigation.

## $7.2 \quad$ Site 2

The uppermost soil stratum encountered to a depth of about 2 feet bgs was clayey sand (SC). Underlying this uppermost soil stratum to a depth of 5 feet bgs was silty sand with gravel (SM). Poorly graded sands with silt and gravel (SP-SM) were encountered to depths of 15 feet bgs. The lowermost soil stratum encountered to the depth of exploration was poorly graded gravel with sand, silt, and cobbles (GP-GM). Based on SPT blow counts, the relative density of the soil strata encountered from 2 feet bgs to the depth of exploration was very dense.

### 7.3 Soil Moisture and Groundwater Condiftions

Generally, soils were encountered in a slightly moist to moist soil condition. Ground water was encountered at 21 feet below the existing ground surface at Site 1 and was not encountered to the depth of exploration at Site 2. The ground water level measured during this investigation may fluctuate and be encountered at different depths during construction.

### 8.0 SEISMIC HAZARDS

### 8.1 Seismicity.

Much of the Western United States is a region of moderate to intense seismicity related to movement of the crustal masses (plate tectonics). By far, the most active regions, outside of Alaska, are along the San Andreas Fault zone of western California. Other seismically active areas include the Wasatch Front in Salt Lake City, Utah, which forms the eastern boundary of the Basin and Range physiographic province, and the eastern front of the Sierra Nevada Mountains, which is the western margin of the province. The project site lies near the eastern base of the Sierra Nevada, within the western extreme of the Basin and Range.

It is generally accepted that the maximum credible earthquake in this area would be in the range of magnitude 7 to 7.5 originating from the frontal fault system of the Eastern Sierra Nevada. The most active segment of this fault system that is closest to the Reno area is located at the base of the eastern flank of the Carson Range near Thomas Creek, Whites Creek and Mt. Rose Highway, some 8 miles south of the project sites.

### 8.2 Faults

To determine the location of mapped earthquake faulting at or near the project sites, a review of the Mount Rose NE Quadrangle Earthquake Hazards Map (Szecsody, 1983) was conducted. This map indicates that no mapped faults traverse through the project sites. The closest mapped fault is located approximately 300 west of the Green Acres Trailer Park and trends in a northerly direction.

It should be noted that there may be other buried faults close to the project site. Fault scarps are likely buried by recent glacial outwash deposits that cover the majority of central and eastern parts of the Reno Basin (dePolo, 1996). The information presented in this section represents the available existing fault information, but does preclude the presence of other faults.

Quaternary earthquake fault evaluation criterion has been formulated by a professional committee for the State of Nevada Seismic Safety Council. These guidelines are consistent with the State of California Alquist-Priolo Act of 1972, which defines Holocene Active Faults as those with evidence of displacement within the past 10,000 years (Holocene time). Those faults with evidence of displacement during Pleistocene time ( 10,000 to $1,600,000$ years before present) are classified as either late Quaternary Active Fault ( 10,000 to 130,000 years) or Quaternary Active Fault ( $>130,000$ years). Both of the latter fault designations are considered to have a decreased potential for activity than the Holocene Active Fault. An inactive fault is considered is a fault that does not comply with these age groups.

Based on the referenced fault map, the faults in the vicinity of the project are considered either late Quatemary Active Fault or Quaternary Active Fault.

### 8.3 Liquefaction

Liquefaction is a nearly complete loss of soil shear strength that can occur during an earthquake, as cyclic shear stresses generate excessive pore water pressure between the soil grains. The higher the ground acceleration caused by a seismic event, or the longer the duration of shaking, the more likely liquefaction is to occur. Severe liquefaction can result in catastrophic settlements of large civil structures. Liquefaction is generally limited to depths of 50 feet or less below the existing ground surface.

Because the project sites are underlain by dense to very dense granular soils, only localized amplification of ground motion would be expected during an earthquake. Liquefaction potential in our opinion is minimal due to the types of materials present.

### 9.0 SEISMIC DESIGN PARAMETERS

Seismic design parameters are based on site-specific estimates of spectral response ground acceleration as designated in the 2006 IBC. The benefit of this approach is that a response spectrum can be developed from this data and based on the period of the structure, a spectral acceleration for that structure can be determined. These values are based on two criteria: site classification ard site location (latitude and longitude). Site classification is based on the substrata soil profile type, as presented in Table 1

|  | fication Definitions |
| :---: | :---: |
| Site Classification | Soil Profile Type Description |
| A | Hard Rock |
| B | Rock |
| C | Very Dense Soil and Soft Rock |
| D | Stiff Soil Profile |
| E | Soft Soil Profile |
| F | Soil Type Requiring Site-Specific Evaluation |

The soil/bedrock profile classification is based on two criteria: density (primarily for soils based on SPT blow cournt data) or hardness (based on shear wave velocity primarily for bedrock sites). These two criteria have to be determined to a depth of 100 feet below the ground surface. A 100 -foot deep boring is required to define the soil profile in sufficient detail to determine the site classification. A 100-foot boring was not part of our scope of services for this project. However, the IBC allows the use of a default site classification of D if the soil profile to a depth of 100 -feet is not characterized and other geologic conditions do not exist that would justify a site classification of E or F. Based on the SPT blow count data, the geotechnical profile is classified as a stiff soil profile ard it is our opinion that a default Site Classification of $D$ is appropriate to use in the design of the structures.

Spectral response acceleration values $\left(\mathrm{S}_{\mathrm{s}} \& \mathrm{~S}_{1}\right)$ are based on structures underlain by bedrock with a site classification of B . Acceleration values may amplify or attenuate depending on the subsurface geologic conditions. Therefore, the building code provides correction factors to modify the acceleration values depending on the subsurface geologic conditions. These correction factors ( $\mathrm{F}_{\mathrm{a}}$ \& $\mathrm{F}_{\mathrm{v}}$ ) are used if the site is located overlying subsurface geologic conditions with a site classification other than B. Spectral response acceleration values were determined from the USGS website; Earthquake Hazards program to determine Seismic Design Values for Buildings. Table 2 provides a summary of seismic design parameters including correction factors $\mathrm{F}_{\mathrm{a}} \& \mathrm{~F}_{\mathrm{v}}$.


### 10.0 DISCUSSION AND RECOMMENDATIONS

The soil profiles encountered at Sites 1 and 2 are similar, predominantly consisting of poorly graded sands with silt or poorly graded gravels with sand and cobbles. These soils will provide good foundation support for the billboards. Because these soils are cohesionless, they will be prone to sloughing which may cause construction difficulties.

### 10.1 General Information

The recommendations provided herein are intended to reduce risks of structural distress related to consolidation or expansion of native soils and/or structural fills. These recommendations, along with proper design and construction of the planned structures and associated improvements, work together as a system to improve overall performance. If any aspect of this system is ignored or poorly implemented, the performance of the project will suffer. Sufficient construction observation and testing should be performed to document that the recommendations presented in this report are followed.

Any evaluation of the site for the presence of surface or subsurface hazardous substances is beyond the scope of this study. When suspected hazardous substances are encountered during routine geotechnical investigations, they are noted in the exploration logs and reported to the client. No such substances were identified during our exploration.

### 10.2 Drilled Shaft Design

Billboards will be supported on drilled shaft foundations. Because of the high lateral loads and moderate axial loads, the primary diameter and length determination of the drilled shaft is the resistance to lateral loads. LPILE analysis will initially be completed to determine the minimum length and diameter requirements of the drilled shaft to resist anticipated lateral loads. Axial load capacity will then be determined based on the anticipated dimensions of the drilled shaft obtained from the LPILE analysis.

### 10.2.1 LPILE Analysis

The computer software LPILE, Ensoft 2011, was used to determine the deflection of the drilled shaft in response to anticipated lateral loading. LPILE computes deflection, shear, bending moment, and soil response with respect to depth in nonlinear soils. The soil profile is modeled using lateral load transfer curves ( $\mathrm{p}-\mathrm{y}$ curves).

LPILE requires 4 different input parameters including anticipated loading, support soil strength properties, drilled shaft dimensions, and structural reinforcement.

### 10.2.1.1 Anticipated Loading

A shear load was applied on the drilled shaft for free head conditions. Based on a maximum moment of 1,100 foot-kips, a shear load of 44 kips was applied at a height of 25 feet above the ground surface. It is our understanding that this shear load represents the worst case load scenario that could be imposed on the drilled shaft

### 10.2.1.2 Support Soil Strength Properties

The lateral support characteristics of the representative soil layers encountered at each billboard site were modeled using support soil deformation information ( $p$-y curves) provided by the software program. Granular soil p-y curves input information requires 3 different soil parameters: unit weight, internal friction angle, and soil modulus. Table 3 presents the different soil layers and assumed strength properties for each billboard site.

|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Site | Soil Layer Depth (feet) | Soil Type | Unit Weight (pcf) | Internal Friction Angle (Ф) | Soil Modulus Parameter <br> (k) |
| 1 | $0.31 / 2$ | SC | 120 | 31 | 90 |
|  | 31/2-8 | SM | 120 | 37 | 225 |
|  | 8-12 | SP-SM | 120 | 40 | 225 |
|  | 12-20 | GP-GM | 120 | 42 | 225 |
|  | 20-25 | SP-SM | 120 | 40 | 225 |
| 2 | 0-2 | SC | 120 | 31 | 90 |
|  | 2-5 | SM | 120 | 40 | 225 |
|  | 5-15 | SP-SM | 120 | 40 | 225 |
|  | 15 to 20 | GP-GM | 120 | 42 | 225 |

### 10.2.1.3 Drilled Shaft Dimensions and Structural Reinforcement

A drilled shaft diameter of 48 inches was assumed for the analysis. LPILE requires that the drilled shaft reinforcement is input into the analysis. Our analysis assumed that the reinforcement consists of 24 equally spaced \#10 bars with a minimum concrete cover of 3 inches.

### 10.2.1.4 LPILE Calculated Deflections

Deflections at the top of the drilled shaft were determined with different drilled shaft lengths. The top two feet of the soil profile was ignored to account for possible erosion and soil softening from frost/thaw effects. The optimum drilled shaft length was determined by assuming a maximum deflection of about $3 / 4$ inches at the top of the drilled shaft. Drilled shaft lengths in relationship to calculated deflections are presented in Table 4.

|  |  |  |  |
| :---: | :---: | :---: | :---: |
| Site | Drilled Shaft Length (feet) | Measured Deflection at Ground Surface (inches) | Measured Defiection at 25 feet above the Ground Surface (top of pole) (inches) |
| 1 | 19 | 1.2 | 4.7 |
|  | 21 | 0.8 | 3.8 |
|  | 25 | 0.7 | 3.4 |
| 2 | 17 | 1.8 | 6.0 |
|  | 20 | 0.8 | 3.6 |
|  | 25 | 0.7 | 3.2 |

Deflections are based on the soil reaction to the applied loads and structural strength and dimensions of the drilled shaft. It should be advised that other rebar configurations and sizes may cause different deflections then those presented in Table 4. The structural engineer will design the drilled shaft reinforcement. If the reinforcement is different, additional analysis incorporating the design reinforcement can be performed to determine if the deflection is different than calculated by this analysis.

LPILE deflection output results are presented in Appendix C. These results are presented graphically and include anticipated deflections with depths for different shaft lengths. Two different lateral loads were assumed in our analysis: maximum wind load or a combined dead and maximum wind load (worst case scenario). A summary of measured deflections at the top of the pole (deflection at 25 feet above the ground surface) versus drilled shaft length for each billboard site is also presented. The summary shows that as the drilled shaft length is shortened the deflections increase significantly. However, as the drilled shaft lengths are increased the deflections are reduced and a near steady state deflection of about 3 inches is obtained. The 3 inch deflection at the top of pole corresponds to a deflection of about $3 / 4$ inches at the ground surface. Therefore, if the deflection at the top of the drilled shaft is required to be reduced, the drilled shaft diameter will need to be increased. A preliminary analysis indicates that a drilled shaft diameter of 5 feet would decrease the deflection to about $1 / 2$ inches.

Based on an allowable deflection of about $3 / 4$ inches, the recommended drilled shaft lengths for Sites 1 and 2 are 21 and 20 feet, respectively.

### 10.2.2 Axlal Load Capacities

Axial load capacities were determined based on sidewall resistance. End bearing was not included because anticipated designed axial load capacity is obtained with sidewall resistance based on the required length and diameter of the drilled shaft. By not including end bearing, thoroughly cleaning the bottom of the drilled shaft is not required, which would be difficult for the material types encountered below or near the water table. Straight-shafted drilled shaft axial capacities are presented in Table 5.

|  |  |  |  |
| :---: | :---: | :---: | :---: |
| Site | Length (feet) | Diameter (feet) | Maximum Soil Net Allowable Axial Capacities (kips) ${ }^{(1)}$ |
| 1 | 21 | 4 | 100 |
| 2 | 20 | 4 | 100 |
| NOTES: <br> 1. The net allowable axial capacity is that pressure at the base of the footing in excess of the adjacent overburden pressure. |  |  |  |

The drilled shaft axial capacities presented in Table 5 are based on the following conditions:
$>$ The allowable capacities applied to full dead plus live loads and a one-third increase is recommended when considering transient loadings, such as those resulting from wind or seismic forces.
> The capacities apply to the allowable soil supporting capacity and do not consider the structural strength of the piers.

### 10.2.3 Settlements

Total settlements are anticipated to be on the order of 1 inch or less. Due to the presence of granular native soils, an elastic settlement response is expected and the majority of the settlement will occur rapidly, generally during the construction time frame for the billboard.

### 10.3 Drilled Shaft Construction Recommendations

Typically, Section 509 of the SSRBC (Standard Specifications for Road and Bridge Construction-NDOT 2001) is utilized to provide construction procedures for drilled shaft installations. Unless stated in this report, construction procedures given in Section 509 should be followed. A copy of Section 509 is presented in Appendix D. It is anticipated that a large bucket auger will be utilized to drill the pier foundations and is the basis for our construction recommendations.

Predominantly poorly graded sands with silt and gravels and poorly graded gravels with sand and silt were encountered. Because these soils are cohesionless, it is anticipated that sidewall sloughing will occur with open holed drilling techniques. The degree of sloughing also depends on the time period between when the hole is drilled and when the concrete is placed. As the pier sidewall solls dry, they will become more friable and sloughing will be more prevalent. Temporary casing could be used to reduce sloughing and would be advanced in the hole as the drilling proceeded. This technique is more costly then open holed drilling techniques and would require specialized equipment. Another option that could be considered would be to drill the hole without casing and allow the sidewall soils to slough. After the hole is cleaned, a low strength, excavatable concrete would be poured into the hole. Once this concrete is cured, the hole would be redrilled and a neatine, stable sidewall will be obtained. The amount of sloughing and related concrete volumes is difficult to predict with technique. Also, excessive sloughing in the hole may reduce the viability of this option and a test hole should be considered.

Occasional large boulders are common in this geologic formation and depending on the size of the boulder could cause drilling difficulties. Boulders may need to be broken in-place or the drilled shaft may have to be widened to remove boulders.

### 10.3.1 Concrete Placement Recommendations

If temporary casing is required, it shall be pulled from the hole during concrete placement. Before concrete is placed, the bottom of the drilled shaft should be inspected by a geotechnical representative of CME to determine if loose or sloughed material will impede the placement of the rebar cage and if required clearance between the drilled shaft sidewalls and rebar cage is present Additional cleaning may be required prior to placement of concrete. Unless the hole is cased, it is recommended that the rebar cage is set the same day as the concrete placement.

Concrete should be placed in one continuous operation through a hopper and tremie or other device so that it is channeled in such a manner to clear the walls of the excavation and reinforcing steel. Concrete should be vibrated in order to achieve proper compaction and minimize rock particles. If selfconsolidating concrete is used, vibration will not be necessary. The slump of the concrete depends on the construction conditions. If the casing is pulled, the concrete slump should be between 5 to 7 inches. For concrete placed by pumping or tremie methods, the concrete slump should be between 7 to 9 inches. A concrete mix design should be submitted for approval two weeks prior to concrete placement.

For casing that is pulled during concrete placement, the concrete should be kept above the bottom of the casing at all times. An adequate head of concrete should be maintained at all times to exceed outside soil pressures during the casing withdrawal.

### 10.4 Site Drainage

Adequate surface drainage shall be constructed and maintained to drain away from the structure foundation. It is recommended that the permanent finish slope grade away from the structure foundation should be at least 2 percent for a minimum distance of 10 feet.

### 11.0 CONSTRUCTION OBSERVATION AND TESTING SERVICES

The recommendations presented in this report are based on the assumption that the owner/project manager provides sufficient field testing and construction review during all phases of construction. Prior to construction, the owner/project manager should schedule a pre-job conference to include, but not be limited to: owner/project manager, project engineer, general contractor, earthwork and materials subcontractors, and geotechnical engineer. It is the owner's/project manager's responsibility to set-up this meeting and contact all responsible parties. The conference will allow parties to review the project plans, specifications, and recommendations presented in this report, and discuss applicable material quality and mix design requirements. All quality control reports should be submitted to the owner/project manager for review and distributed to the appropriate parties.

### 12.0 STANDARD LIMITATION CLAUSE

This report has been prepared in accordance with generally accepted local geotechnical practices. The analyses and recommendations submitted are based upon field exploration performed at the locations shown on Plate A-1 - Site Plan of this report. This report does not reflect soils variations that may become evident during the construction period, at which time re-evaluation of the recommendations may be necessary. Sufficient construction observation should be completed in all phases of the project related to geotechnical factors to document compliance with our recommendations. The owner/project manager is responsible for distribution of this geotechnical report to all designers and contractors whose work is related to geotechnical factors.

All plans and specifications should be reviewed by the design engineer responsible for this geotechnical report, to determine if they have been completed in accordance with the recommendations contained herein, prior to submitting to the building department for review. It is the owner's/project manager's responsibility to provide the plans and specifications to the engineer.

This report has been prepared to provide information allowing the engineer to design the project. The owner/project manager is responsible for distribution of this report to all designers and contractors whose work is affected by geotechnical recommendations. In the event of changes in the design, location, or ownership of the project after presentation of this report, our recommendations should be reviewed and possibly modified by the geotechnical engineer. If the geotechnical engineer is not accorded the privilege of making this recommended review, he can assume no responsibility for misinterpretation or misapplication of his recommendations or their validity in the event changes have been made in the original design concept without his prior review. The engineer makes no other warranties, either expressed or implied, as to the professional advice provided under the terms of this agreement and included in this report.

This report was prepared by CME for the account of the Clear Channel Outdoor. The material in it reflects our best judgment in light of the information avaiiabie to us at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based upon it, are the responsibility of such third parties. Construction Materials Engineers inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

## REFERENCES

AASHTO, 2002, Standard Specifications for Highway Bridges, 17th Edition.
AASHTO, 2010, AASHTO LRFD Bridge Design Specifications, 5th Edition.
American Concrete Institute (ACl) 318, 2005, Building Code Requirements for Structural Concrete.
American Society for Testing and Materials (ASTM), 2010, Soil and Rock; Dimension Stone; Geosynthetics, Volume 4.08 .

Bonham, H. F. and D. K. Rogers, 1983, Geologic Map, Mt. Rose Quadrangle: Nevada Bureau of Mines and Geology, Map 4Bg.

Bowles, J. E., 1996, Foundation Analysis and Design, McGraw Hill.
Ensoft Inc., LPILE Version 6, software program for analyzing stress and deformation of deep foundations subjected to lateral loading, 2010.

International Building Code, 2006; International Code Council, Inc.
Nevada Department of Transportation (NDOT), 2001, Standard Specifications for Road and Bridge Construction.

SEA Consulting Engineers Incorporated, 1985, Peppermill Hotel and Casino Expansion Reno, Nevada, Project No. 784-003-851.

Szecsody, G. C., 1983, Earthquake Hazards Map, NE Mt. Rose Quadrangle: Nevada Bureau of Mines and Geology, Map 4Bi.



## LOG OF TEST BORING NO. B-1



LOG OF TEST BORING NO．B－1
PROJECT
$\qquad$ RIG \＆BORING TYPE $\qquad$ HAZTECH BK－81


| 喜 |  |  |  |  |  |  |  | 岂 | Visual Description |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

GROUNDWATER

| DEPTH | HOUR | DATE |
| :---: | :---: | :---: |
| $\frac{7}{\overline{7}}$ | $21^{\prime}$ |  |
|  |  |  |

SAMPLE TYPE
A－Drill Cuttings．B．Beg sample． S－2＂O．D．1．38＂t．D．tube sample． U－3＂O．D．2．42＂LD．tube sample． T－3＂O．D．thin－walled Shelby tube． C－CME sample．R－Rotary Cuttings．

LABORATORY TESTS
PLATE NO．：A－2a
A－Atterberg Limits
G－Graln Size
C－Consolidation MD－Moistura／Density

CME
CONSTRUCTION MATERIALS

## LOG OF TEST BORING NO. B-2



## LOG OF TEST BORING NO. B-2




UNIFIED SOIL CLASSIFICATION SYSTEM


## LIQUID AND PLASTIC LIMITS TEST REPORT



Project No. 1360 Client: Clear Channel
Project: Moana Lane Widening - Billboard Relocation

- Sample Source: Boring 1
-Sample Source: Boring I
- Sample Source: Boring 1

Depth: $2.5^{\prime}-4.0^{\prime}$
Sample No.: B-1B
Depth: $10.0^{\prime}-11.5^{\prime}$
Depth: 13.5'14.5'

Sample No.: B-IF
Sample No.: B-1G

Remarks:

- Laboratory Number 26574



## LIQUID AND PLASTIC LIMITS TEST REPORT



| Project No. 1360 | Client: Clear Channel |  |
| :--- | :--- | :--- |
| Project: Moana Lane Widening - Billboard Relocation |  |  |
| Sample Source: Boring 2 | Depth: 5.0'-6.5' | Sample No.: B-2C |
| Sample Source: Boring 2 | Depth: 13.5'14.0' | Sample No.: B-2F |

Remarks:

- Laboratory Number 26634

Plate B-Id

Site 1 (La Vecchla), 48 Inch diameter, 21 feet depth
Lateral Doflection (Inches)


CONSTRUCTION MATERIALS ENGINEERS INC.

LPILE Lateral Deflections Site 1 (21 foot depth)
Clear Channel Outdoor
Billboard Relocations Moana Lane Widening Project

PROJECT ND. 1360

PLATE NO. C-1


Site 2 (Lymberry), 48 inch diameter, 20 feet depth Lateral Deflection (Inches)



## SECTION 509

## DRILLED SHAFT FOUNDATIONS

## DESCRIPTION

509.01.01 General. This work consists of constructing drilled shaft foundations.
509.01.02 Qualifications of Drilled Shaft Contractors. No later than 30 days prior to constructing drilled shafts, submit in writing, qualifications to perform the drilled shaft construction as specified and provide a list of 4 projects successfully completed using drilled shaft construction. The list of projects shall contain names and current phone numbers of owner's representatives who can verify participation on those projects.

A minimum of one year experience installing drilled shafts of both diameter and length similar to those shown on the plans is required for signal, soundwall and overhead sign foundations.

A minimum of 3 years experience installing drilled shafts of both diameter and length similar to those shown on the plans is required for retaining wall and bridge foundations. In addition, the drilled shaft installations must also have been in conditions similar to those indicated by the contract documents and a site inspection.
509.01.03 Submittals. Provide a signed statement from the drilling contractor that inspection has been made of both the project site and all the subsurface information made available, including any soil or rock samples referenced in the contract documents. Submit this statement as part of the installation plan required herein.

Submit an installation plan for review a minimum of 15 days prior to constructing drilled shafts. This plan shall provide information on the following:
(a) Name and experience record of the drilled shaft supenintendent who will be in charge of the drilled shaft operations.
(b) List of proposed equipment to be used, including, but not limited to: cranes, drills, augers, bailing buckets, final cleaning equipment, desanding equipment, slurry pumps, core sampling equipment, tremies or concrete pumps, casing, etc.
(c) Details of overall construction operation sequence and sequence of shaft construction in bents or groups.
(d) Details of shaft excavation methods and procedures.
(e) When the use of slurry is anticipated, details of the mix design and its suitability for the subsurface conditions at the construction site, mixing and storage methods, maintenance methods, and disposal procedures.
(f) Discussion of methods to clean the shaft excavation.
(g) Details of reinforcement placement, including support and centralization methods.
(h) Details of concrete placement, including concrete delivery schedule and proposed operational procedures for tremie and pumping methods.
(i) Details of casing installation and removal methods.

The drilled shaft installation plan will be evaluated for conformance with the contract requirements. Notification will be given within 14 days after receipt of the installation plan of any additional information required and/or changes necessary. Approval of the plan shall not operate to relieve the responsibility under the contract for the successful completion of the work, nor shall approval of the plan operate as a warranty that the plan will succeed or will be the most economical or efficient method of completing the work. Adhere to the approved plan for the remainder of the contract. Subject to acceptable field performance, or if changes in equipment or construction methods occur, submit a revised plan for review and approval.

## MATERIALS

509.02.01 General. Material shall conform to the following Sections:

```
Portlend Cement Concrete
```

$\qquad$


```
Concrete shall be Class D Portland cement concrete with the following exceptions:
Minimum Compressive Strength ............................................................................... 28 MPa (4,000 psi)
Maximum Aggregate Size
```



```
Maximum Water/Cement Ratio ...............................................................................................................................
```



```
\({ }^{*}\) Test Method No. Nev. T438. In addition, the concrete shall maintain a minimum slump of 150 mom ( 6 in .) at 2 hours and 100 mm ( 4 in .) at 3 hours. For 2 hour, 3 hour or extended time slump tests, store a sufficient quantity of concrete in sealed five gal-
Jon buckets at rom temperature.
```


## CONSTRUCTION

509.03.01 Construction Sequence. Complete excavation to top of shaft elevation before shaft construction begins, unless otherwise noted or approved. Recompact and regrade any disturbance to the footing or pile cap area prior to the footing or pile cap concrete placement.

When drilled shafts are to be installed in conjunction with embankment placement, construct drilled shafts after the placement of embankment, unless otherwise noted or approyed. In the case of drilled shafts constructed prior to the completion of the embankment, place pile caps or footings after the embankment has been placed as near to final grade as possible. Leave only the necessary work room for construction of the caps or footings.
509.03.02 Construction Methods. Perform excavations required for shafts, and bell footings if shown on the plans, through whatever materials are encountered to the dimensions and elevations shown in the plans or as required. Use construction methods suitable for the intended purpose and materials encountered. The permanent casing method shall be used only at locations shown on the plans or when authorized. Blasting will not be permitted unless noted on the plans or authorized in writing. Construct drilled shaft foundations according to the following methods:
(a) Dry Construction Method. The dry construction method consists of drilling the shaft excavation, removing accumulated water and loose material from the excavation, placement of the reinforcing cage, and placement of concrete in a relatively dry excavation. Use the dry construction method only when: less than $0.3 \mathrm{~m}(\mathrm{l} \mathrm{ft})$ of ground water accumulates above the base of the excavation over a one hour period when no pumping is permitted; the sides and bottom of the excavation remain stable, with no detrimental caving, sloughing, or swelling occurring prior to placement of reinforcement; the sides and bottom of the shaft can be visually inspected prior to placement of reinforcing steel and/or concrete.
(b) Wet Construction Method. The wet construction method consists of using water or mineral slurry to maintain stability of the borehole perimeter while advancing the excavation to the specified bottom elevation, placement of the reinforcing cage, and concreting the shaft. Where drilled shafts are located in open water areas, extend exterior casings from above the water elevation into the ground to protect the shaft concrete from water action during placement and curing. Install exterior casings in a manner that will produce a positive seal at the bottom of the casing so that no piping of water or other materials occurs into or from the shaft excavation. Use the wet construction method at sites where a dry excavation can not be maintained for placement of the shaft concrete.
(c) Casing Construction Method. The casing construction method consists of placing a casing into a predrilled hole or advancing a casing through the ground by twisting, driving or vibration before being cleaned out. Use the casing method when shown on the plans or at sites where the dry or wet construction methods are inadequate to prevent caving or excessive deformation of the hole.
Method (c) Casing Construction Method may be used in conjunction with Method (a) Dry Construction Method or Method (b) Wet Construction Method.
509.03.03 Excavation and Drilling Equipment. Use excavation and drilling equipment having adequate capacity, including power, torque and down thrust to excavate a shaft of the required diameter and to a depth $20 \%$ greater than required. Excavation and overreaming tools shall be of adequate design, size and strength to
perform the work.

When the material encountered cannot be drilled using conventional earth augers with soil or rock teeth, drill buckets, grooving tools, and/or overreaming tools, provide special excavation equipment, including but not lim-

## DRILLED SHAFT FOUNDATIONS

ited to: rock core barrels, rock tools, air tools, blasting materials, and other equipment as necessary to construct the shaft excavation to the size and depth required.
509.03.04 Excavations. Excavate shafts at locations and to the top of shaft elevations, estimated bottom of shaft elevations, shaft geometry and dimensions shown in the contract documents. Extend drilled shaft tip (base) elevations as directed, when the material encountered during excavation is determined to be unsuitable.

Excavate bells by mechanical methods to form the height and bearing area of the size and shape shown.
Overream sidewalls of shafts when the sidewalls have either softened due to excavation methods, swelled due to delays in concreting, or degraded due to slurry cake buildup. Overream to a minimum thickness of 13 mm ( $1 / 2 \mathrm{in}$.) and a maximum thickness of 75 mm ( 3 in .). Accomplish overreaming with a grooving tool, overreaming bucket or other approved equipment. The thickness and limits of sidewall overreaming will be determined.

Utilize suitable excavated material for backfilling or in embankments. Dispose of unsuitable or surplus material according to Subsection 107.14.
509.03.05 Excavation Inspection. Provide all equipment for checking the dimensions and alignment of each shaft excavation. This may include, but is not limited to: lights, mirrors, weighted tape, weighted probe, personnel, and all assistance required to perform inspection of the drilled shaft construction. Use the equipment to obtain all measurements as directed.

Measure final shaft depth with a suitable weighted tape or other approved methods after final cleaning. The maximum depth of sediment or any debris at any place on the base of the shaft shall not exceed 25 mm (1 in.). For dry shafts, remove all cuttings that may have been smeared on the sidewalls during the insertion and removal of drilling tools. In addition, for dry excavations, the maximum depth of water shall not exceed 75 mm ( 3 in .) prior to concrete placement. Shaft inspection will be made after final cleaning by visual inspection for dry shafts or other methods deemed appropriate for wet shafts, such as sounding with a weighted tape or probe. Do not proceed with shaft construction until the shaft has been inspected and accepted.
509.03.06 Obstructions. Remove surface and subsurface obstructions at drilled shaft locations. Such obstructions may include, but are not limited to, man-made materials such as old foundations or construction debris and natural materials such as cobbles; boulders, or cemented soils. Employ special procedures and/or tools when the shaft cannot be advanced using augers, drilling buckets, and/or overreaming tools. Such special procedures and/or tools may include, but are not limited to: chisels, boulder breakers, core barrels, air tools, hand excavation, temporary casing, and increasing the shaft diameter. Do not blast to remove obstructions unless specifically approved in writing.

Retrieve and dispose of all excavating equipment and tools lost during shaft excavation.
509.03.07 Exploration (Shaft Excavation). Obtain soil samples or rock cores to determine the character of the material directly below the completed shaft excavation where shown on the plans or as directed. Extract soil samples with a split spoon sampler or undisturbed sample tube, using the designated soil sampling. technique. Cut rock cores with an approved double or triple tube core barrel to a minimum of 3 m ( 10 ft ) below the shaft excavation either before the excavation is made or at the time the shaft excavation is approximately complete. Extend the depth of coring to $6 \mathrm{~m}(20 \mathrm{ft})$ below the bottom of the shaft when directed. Measure, visually identify, and record rock core samples in an appropriate field log. Also, describe and record standard penetration test blow counts and samples in the log.

Place samples in suitable containers, identified by shaft location, elevation, and contract number and deliver with the field log to the Engineer. When samples are obtained after completion of the shaft excavation, deliver the field log and samples immediately upon completion of sampling. The material will be inspected and a decision will be made on the suitability of the bearing stratum within 2 days. When samples are obtained prior to excavating the shaft, deliver the samples and field $\log$ within 24 hours of sampling. Inspection of the samples/cores will be made and the final depth of required excavation will be determined within 3 days. Furnish 2 typed copies of the final $\log$ at the time the shaft excavation is completed and accepted.
509.03.08 Casings. Use steel casings which are smooth, clean, watertight, and of sufficient strength to withstand both handling and driving stresses and the pressure of both concrete and the surrounding earth materials. The outside diameter of the casing and the diameter of any excavation made below the casing shall not be less than the specified diameter of the shaft, or greater than 150 mm ( 6 in .) than the specified diameter of the shaft at no cost to the Department. Remove all casings, except permanent casings, from shaft excavations. Any length of permanent casing installed below the shaft cutoff elevation shall remain in place.

Extract casing prior to initial set to allow the concrete cast against the surrounding soil to develop the designed skin friction. Leave casing not extracted within the allotted time in the excavation. If casing is not extracted from the excavation, the shaft will be reevaluated to determine if any loss of capacity has occurred. Any loss of capacity may be grounds for the shaft to be considered defective. If any shaft is determined to be defective, submit a plan for remedial action for approval.
(a) Temporary Casing. All subsurface casing shall be considered temporary unless specifically shown as permanent casing in the contract documents. Remove temporary casing before completion of concreting the shaft. Telescoping, predrilling with slurry, and/or overreaming to beyond the outside diameter of the casing may be required during installation.
If electing to remove a casing and substitute a longer or larger-diameter casing through caving soils, the excavation shall be either stabilized with slurry or backfilled before the new casing is installed. Other methods may be used to control the stability of the excavation and protect the integrity of the foundation materials when approved.
As the casing is withdrawn, maintain an adequate level of concrete within the casing so that fluid trapped behind the casing is displaced upward and discharged at the ground surface without contaminating or displacing the shaft concrete.
Temporary casings which become bound or fouled during shaft construction and cannot be practically removed shall constitute a defect in the shaft. Submit a plan for approval to correct such defective shafts. Such improvement may consist of, but is not limited to, removing the shaft concrete and extending the shaft deeper to compensate for loss of frictional capacity in the cased zone, providing straddle shafts to compensate for capacity loss, or providing a replacement shaft. Any foundation redesign must be performed by a Registered Professional Engineer, licensed to practice in the State of Nevada.
(b) Permanent Casing. Use permanent casing when shown in the contract documents. Provide continuous full length casing between the top and bottom elevations of the shaft. Cut off permanent casing, after installation is complete, at the prescribed elevation, and complete the shaft construction by installing necessary reinforcing steel and concrete in the casing.
509.03.09 Slurry. If electing to use slurry, use mineral slurry in the drilling process unless other drilling fluids are specified in the Special Provisions. Mineral slurry shall have both a mineral grain size that will remain in suspension and sufficient viscosity and gel characteristics to transport excavated material to a suitable screening system. The percentage and specific gravity of the material used to make the mineral suspension shall be sufficient to maintain the stability of the excavation and to allow proper concrete placement.

During construction, maintain the level of the slurry at a height sufficient to prevent caving of the hole. In the event of a sudden significant loss of slurry in the hole, cease construction of the foundation until either a method to stop slurry loss or an alternate construction procedure has been approved.

Premix mineral slurry thoroughly with clean water and allow adequate time (as prescribed by the mineral slurry manufacturer) for hydration prior to introduction into the shaft excavation. Provide slurry tanks of adequate capacity for slurry circulation, storage, and treatment. Do not use excavated slurry pits in lieu of slurry tanks without written permission. Provide desanding equipment to control slurry sand content to less than $4 \%$ by volume at any point in the borehole at the time slurry is introduced, including situations in which temporary casing is used. Take all steps necessary to prevent the slurry from "setting up" in the shaft. Such methods may include, but are not limited to: agitation, circulation and/or adjusting the properties of the slurry. Dispose of all slurry material according to Subsection 107.14.

Perform control tests on the mineral slurry using suitable apparatus to determine density, viscosity and pH . The range of values for those physical properties is shown in the following table:

| MINERAL SLURRY <br> (Sodium Bentonite or Attapulgite in Fresh Water) |  |  |  |
| :---: | :---: | :---: | :---: |
| Acceptable Pange of Values |  |  |  |
| Property | At the Time of Slurry Introdfuction | In Hole at Time of Concreting | Test Method |
| Density $\mathrm{kN} / \mathrm{m}^{3}$ ( $\mathrm{lb} / \mathrm{ft}^{3}$ ) | $\begin{gathered} 10.1-10.8 \\ (64.0-68.8) \end{gathered}$ | $\begin{gathered} 10.1-11.8 \\ (64.0-74.6) \end{gathered}$ | Density Method API 13B-1 Section 1 |
| Viscosity (seconds/quart)* | (28-45) | (28-45) | Marsh Funnel and Cup API 13B-1 Section 2.2 |
| pH | 8-11 | 8-11 | pH Paper Glass Elcetrode pH Meter |
| Notes: Testing shall be performed when the slurry temperature is above $4^{\circ} \mathrm{C}\left(40^{\circ} \mathrm{F}\right)$. <br> The sand content shall not exceed $4 \%$ (by volume) at any point in the bore hole as determined by the American Petroleum lostitute sand content test. <br> *The Marsh Funnel Test is conducted using one quart of fluid, not one liter. |  |  |  |

Perform tests during the shaft excavation to determine density, viscosity and pH values to ensure material consistency. Conduct a minimum of 4 sets of tests during the first 8 hours of slurry use. When the results show consistent behavior the testing frequency may be decreased to 1 set every 4 hours of slurry use.

Do not use water only as a drilling fluid, unless approved in writing. When water only is approved for use, all of the provisions in the table shown above for mineral slurries shall be met, except that the maximum density shall not exceed $11.0 \mathrm{kN} / \mathrm{m}^{3}$ ( $70 \mathrm{lb} / \mathrm{ft}^{3}$ ). Consider naturally occurring water as drilling fluid.

Insure that a heavily contaminated slurry suspension, which could impair the free flow of concrete, has not accumulated in the bottom of the shaft. Prior to placing concrete in any shaft excavation, take slurry samples using an approved sampling tool. Extract slurry samples from the base of the shaft and at intervals not exceeding 3 m ( 10 ft ) up the slurry column in the shaft, until two consecutive sets of samples produce acceptable values for density, viscosity, and pH.

When any slurry samples are found to be unacceptable, take whatever action is necessary to bring the slurry within specification requirements. Do not place concrete until the slurry in the hole is re-sampled and test results produce acceptable values.

Furnish signed test reports of all tests required above upon completion of each drilled shaft.
509.03.10 Construction Tolerances. Construct shaft foundations to plan dimensions within the following tolerances:
(a) The diameter of the shaft shall not be less than the specified diameter and shall not be more than 150 mm ( 6 in .) greater than the specified diameter.
(b) Construct the center of the drilled shaft within 75 mm ( 3 in .) of plan position in the horizontal plane at the plan elevation for the top of the shaft.
(c) The vertical alignment of a vertical shaft excavation shall not vary from the plan alignment by more than 20 mm per $\mathrm{m}(1 / 4 \mathrm{in}$. per ft) of depth.
(d) After concrete placement, the top of the reinforcing steel cage shall be no more than 150 mm ( 6 in .) above and no more than 75 mm ( 3 in .) below plan position. Provide minimum cover of 150 mm ( 6 in .) for all reinforcing steel for shafts $1.5 \mathrm{~m}(5 \mathrm{ft})$ or larger in diameter, and a minimum cover of 100 mm (4 in.) for all reinforcing steel for shafts less than $1.5 \mathrm{~m}(5 \mathrm{ft})$ in diameter.
(e) A casing larger in diameter than shown in the plans may be used only when approved.
(f) Excavate bells to the plan bearing area and height shown on the contract plans as a minimum. The actual diameter of the bells shall not exceed 3 times the specified shaft diameter. All other plan dimensions shown for the bells may be varied to accommodate the excavation equipment when approved.
(g) The top elevation of the shaft shall not be less than 75 mm ( 3 in .) below the plan top-of-shaft elevation and shall not be more than 25 mm ( 1 in .) above the plan top-of-shaft elevation.
(h) Employ excavation equipment and methods so that the completed shaft excavation will have a planar bottom. The cutting edges of excavation equipment shall be normal to the vertical axis of the equipment within a tolerance of $\pm 30 \mathrm{~mm}$ per $\mathrm{m}(0.375 \mathrm{in}$. per ft) of diameter.
Drilled shaft excavations and completed shafts not constructed within the required tolerances are unacceptable. Correct all unacceptable shaft excavations and completed shafts by approved methods. Engineering analysis and/or drilled shaft redesign to correct out-of-tolerance drilled shafts shall be performed by a Registered Professional Engineer, licensed to practice in the State of Nevada. Submit proposed corrective measures for approval.
509.03.11 Reinforcing Steel Cage Construction and Placement. Reinforcing steel shall conform with the details shown on the plans and the requirements of Section 505. Double tie, with double wires, every other intersecting vertical and spiral or hoop members of the reinforcing cage in each direction. Assemble and place the reinforcing steel cage, consisting of longitudinal bars, spiral or hoop reinforcement, cage stiffeners, spacers, centralizers, and other necessary appurtenances, as a unit within 30 minutes after the shaft excavation is inspected and accepted. Remove internal stiffeners as the cage is placed in the shaft so as not to interfere with the placement of concrete. Support the reinforcing steel cage from the top at all times until completion of concrete placement.

Tie and support the reinforcing steel in the shaft so that the reinforcing steel will remain within allowable tolerances given in Subsection 509.03.10. Use non corrosive rollers near the bottom and at intervals not exceeding 3 m ( 10 ft ) up the shaft to ensure concentric spacing for the entire cage length in the excavation. Use rollers of adequate dimension to ensure a minimum of 150 mm ( 6 in .) annular space between the outside of the reinforcing cage and the side of the excavation for shafts $1.5 \mathrm{~m}(5 \mathrm{ft})$ or larger in diameter. Provide rollers of adequate dimension to ensure a minimum of 100 mm ( 4 in .) annular space between the outside of the reinforcing cage and the side of the excavation for shafts less than $1.5 \mathrm{~m}(5 \mathrm{ft})$ in diameter. Provide approved cylindrical feet (bottom supports) to ensure that the bottom of the cage is maintained the proper distance above the base.

Verify the elevation of the top of the steel cage before and during the concrete placement. If the upward displacement of the rebar cage exceeds 50 mm ( 2 in .) or if the downward displacement exceeds 150 mm per 6.1 m ( 6 in . per 20 ft ) of shaft length, the drilled shaft will be considered defective. Submit correction procedure for approval. Cease shaft construction until the method of supporting the reinforcing steel cage is modified to produce acceptable results.
509.03.12 Concrete Placement. Place concrete within 1 hour after the shaft excavation is inspected and accepted. If this 1 hour limit is exceeded, remove the reinforcing cage to allow for reinspection as directed. The use of a tremie to place concrete is mandatory. Place concrete continuously from the bottom to the top elevation of the shaft. Concrete placement shall be contimuous from the bottom elevation to the top of the shaft, and shall continue after the shaft excavation is filled until quality concrete is evident at the top of the shaft.

If casing is utilized, vibrate the concrete during withdrawal of the last 4.5 m ( 15 ft ) of the casing. Keep the vibrator below the bottom of the casing during removal. Where steel casings have been used to support the excavation walls, withdraw the casing as the concrete is being placed within the limits previously specified in Subsection 509.03.08. Remove the steel liner in a manner so that the lower edge of the steel liner always remains a minimum of $1.5 \mathrm{~m}(5 \mathrm{ft})$ below the surface of the concrete being placed to prevent water or soil from entering the shaft excavation from below the bottom of the casing. Submit for approval, appropriate procedures and methods of withdrawal of steel liners to ensure that the concrete is not being lifted or contaminated as the steel liner is being withdrawn.

Do not exceed 3 hours from the beginning of concrete placement in the shaft to the completion of concrete placement. A longer placement time may be approved, when requested, provided that the supplied concrete mix maintain a slump of 100 mm ( 4 in .) or greater over the longer placement time. The slump test will be performed according to Subsection 509.02 .01 .

Pump debris, mud, water and contaminated concrete forced up during concrete placement directly into a truck for disposal unless alternate methods are approved.

Cure the top surface of the pile as prescribed in Subsection 501.03.09.
509.03.13 Tremies. . Use tremies and concrete pumps for concrete placement. Use tremies consisting of a tube of sufficient length, weight, and diameter to discharge concrete at the shaft base elevation. Do not use a tremie having aluminum parts that will come into contact with the concrete. The tremie inside diameter shall be at least six times the maximum size of aggregate used in the concrete mix but shall not be less than 125 mm ( 5 in .). The inside and outside surfaces of the tremie shall be clean and smooth to permit both flow of concrete and unimpeded withdrawal during concreting. The wall thickness of the tremie shall be adequate to prevent crimping or sharp bends, which restrict concrete placement.

Use a watertight tremie for wet excavation concrete placement. Do not begin underwater or under-slurry concrete placement until the tremie is placed to the shaft base elevation. Keep the concrete completely separated from the water or slurry prior to the time it is discharged. Valves, bottom plates or plugs may be used for this purpose only if concrete discharge can begin within one tremie diameter of the base of the drilled shaft. Remove plugs from the excavation or provide plugs of an approved material which will not cause a defect in the shaft, if not removed. Construct the discharge end of the tremie to permit the free radial flow of concrete during placement operations. Immerse the tremie discharge end at least $1.5 \mathrm{~m}(5 \mathrm{ft})$ in concrete at all times after starting the flow of concrete. Maintain a continuous flow of concrete and keep the level of the concrete in the tremie above the level of slurry or water in the shaft at all times to prevent water or slurry intrusion into the shaft concrete.

If at any time during the concrete pour the tremie line orifice is removed from the fluid concrete column and/or discharges concrete above the rising concrete level, the shaft, as determined by the Engineer, will be considered defective. All costs of testing, mitigation and/or replacement of defective shafts shall be at no cost to the Department.
509.03.14 Inspection Report. Provide any assistance that may be required for the Engineer to prepare and submit daily reports for the complete drilled shaft construction program. The reports will include: logging all excavated soils, concrete quantities and rate of delivery, description of tools and drill rigs used and any changes necessitated by changing ground conditions, recording actual elevations at top and bottom of each drilled shaft, elevation of rock (if any), plumbness of casing and rebar cages, seepage of water, elevation of top and bottom of any casing left in place, any unusual conditions, and any other pertinent information deemed necessary.
509.03.15 Crosshole Sonic Log (CSL) Testing. All completed drilled shafts may be tested with a nondestructive testing (NDT) method called Crosshole Sonic Logging (CSL). CSL tests will be performed by an approved independent testing organization under a separate contract with the Department. Final approval for the first drilled shaft constructed for bridge foundations will be given within 10 days after placement of concrete. Concrete placement in subsequent bridge foundation shaft excavations will not be allowed until the first shaft has been approved.

For the purposes of the above tests, install tubes to permit access for the CSL test probes. The tubes shall have an inside diameter of $50 \mathrm{~mm}(2 \mathrm{in}.) \pm 6 \mathrm{~mm}(1 / 4 \mathrm{in}$.) and shall be constructed of ASTM D1785 Schedule 80 PVC plastic pipe. The tubes shall have a round, regular inside diameter free of defects or obstructions, including obstructions at any pipe joints, in order to permit the free, unobstructed passage of a 35 mm ( 1.375 in.) diameter or smaller source and receiver probes used for the CSL tests. The tubes shall be watertight, free from corrosion with clean intemal and external faces to insure good bond between the concrete and the tubes. Fit the tubes with a watertight cap on the bottom and a removable watertight cap on the top.

Securely attach the CSL tubes at equal spacings along the interior circumference of the reinforcement cage of each drilled shaft or as shown in the plans. Install CSL tubes at least $0.9 \mathrm{~m}(3 \mathrm{ft})$ above the shaft top to within 25 mm ( 1 in .) of the actual drilled shaft tip elevation. Make any joints in the tubes watertight. Roughen up the surface of PVC CSL test pipes to reduce the potential of the test pipes de-bonding. Hand sand, using 50 grit sandpaper to de-gloss the PVC pipe. Take care to prevent damaging the tubes during reinforcement cage installation operations in the drilled shaft excavation. Fill the tubes with potable water as soon as possible after concrete placement (but no later than 2 hours) and cap the tube tops. Refer to Section 722 for water requirements.

If any shaft is determined to be unacceptable, submit a plan for remedial action for approval. Furnish satisfactory materials and work necessary, including engineering analysis and redesign, to mitigate shaft defects at no cost to the Department. Any modifications to the dimensions of the drilled shafts shown on the contract
plans caused by remedial action will require calculations and working drawings stamped by a Registered Professional Engizeer licensed to practice in the State of Nevada. Drill a core hole in any shaft of questionable quality (as determined from the CSL test results or by observation of the Engineer) to explore the shaft condition. Use a coring method that provides complete core recovery and minimizes abrasion and erosion of the core (i.e., double or triple core barrels). If a defect is confirmed, the Contractor shall pay for all coring costs. If no defect is encountered, the State will pay for all coring costs, and compensation for the delay will be granted by an appropriate time extension and payment.

If the inspection equipment cannot pass through the full length of the inspection tube, core a 50 mm ( 2 in .) diameter hole through the concrete for the full length of the pile to replace the defective tube at own expense. Locate the core hole at a designated location.

After completion of the CSL testing and acceptance of the shaft foundation, cut off the testing tubes flush with the top of the shaft foundation. Fill all core holes and testing tubes with grout, from the bottom up. Grout according to Subsection 503.03.08.
509.03.16 Scheduling and Restrictions. After the first drilled shaft has been successfully constructed, make no significant change in construction methods, equipment, or materials to be used in the construction of such shafts unless approved. The first bridge foundation drilled shaft must be approved before proceeding with concrete placement in remaining shafts.

For a period of at least 24 hours after drilled shaft concrete has been placed, do not excavate adjacent shafts, do not place excessive wheel loads, and do not allow vibration to occur or be felt at any point within 3 m ( 10 ft ) or 3 times the shaft diameter, whichever is greater, from the periphery of the drilled shaft.

Faihure to satisfactorily perform the procedures described above may result in shut down of the construction operation and/or rejection of the drilled shaft. If the integrity of the drilled shaft is in question, employ core drilling, CSL, or other approved methods as directed. Backfill core-drilled holes with grout or mortar. Perform remedial measures as approved or as directed.

No compensation will be made for costs, losses or damages due to remedial work or any testing required on drilled shafts due to not meeting the requirements.

Do not cast pile caps or the footings of pier columns on the drilled shafts until at least 7 days have elapsed, or $80 \%$ of the compressive strength is obtained.
509.03.17 Load Testing. When the contract documents include static load testing of shafts, complete all load tests before construction of any production drilled shafts. Allow 5 working days after the last load test for the analysis of the load test data and final determination of base elevations, by the Engineer, before receiving authorization to proceed with the construction of production shafts. The number and locations of load tests will be as shown on the plans or as designated. Unless specified otherwise, load the test shafts to a maximum test load corresponding to failure. Failure is defined as a deflection of the shaft head equal to $5 \%$ of the shaft diameter.

Provide notification 10 days before conducting load tests.
Do not begin static load testing until the concrete has attained a compressive strength of $23.4 \mathrm{MPa}(3,400$ psi) as determined from cylinder breaks. Drilled shafts shall be load tested in the order as directed. Perform static load tests in compliance with ASTM D1143 for axial load testing, and ASTM D3966 for lateral load testing. Supply all equipment necessary to conduct the static test, including equipment to measure loads and deflections as shown on the plans. Design the loading frame apparatus to safely accommodate the maximum load to be applied.

Load cells will be required to measure applied load during the drilled shaft load tests. Provide load cells of adequate size to measure the maximum load applied to the shaft and equip with an adequate readout device. Before load testing begins, furnish a certificate of calibration for the load cell from an NDOT approved testing laboratory. The calibration shall have been completed for all ranges of proposed loading within the 6 months preceding the load tests. The certified accuracy of the load cell shall be within one percent of the true load.

After testing is completed, cut off the non production test shafts (and any reaction shafts) at an elevation $0.6 \mathrm{~m}(2 \mathrm{ft})$ below the finished ground surface. Remove and dispose the portion of the shafts that were cut off.

## METHOD OF MEASUREMENT

509.04.01 Measurement. Drilled shafts will be measured by the linear meter (linear foot), measured from the top of shaft elevation to the bottom of shaft elevation. When bells are present the shaft will be measured to the bottom of the bell.

Exploration (Shaft Excavation) will be measured by the linear meter (linear foot), measured for the length explored.

Bell excavations will be measured by the each.
Load tests will be measured by the each.

## BASIS OF PAYMENT

509.05.01 Payment. The accepted quantities, measured as provided above, will be paid for at the contract price per unit of measurement for the pay items listed below that are shown in the proposal. Payment will be full compensation for the work prescribed in this Section.

Payment will be made under:
Pay Item Pay Unit
Drilled Shaft Foundation (size) Linear Meter (Linear Foot)
Exploration (Shaft Excavation) Linear Meter (Linear Foot)
Load Test. Each

## CITY OF RENO




Total Fees Due: $\$ 845.13$

Address: 511 W MOAN LN UNIT BE

Subdivision:
Lot:

Valuation: \$ 100,000.00
Occupancy:
Group:
Fire Sprinklers:
Fire Alarm:
Stories:

Job Type: Building/Sign/NA/NA
Parcel No: 019-351-05
Zoning: MF-30
Type:
Dwelling Units: 0
Height:
Area(Sq.Ft.):

Total VATs:

## Owner Information:

GREEN ACRES MOBILEHOME ARK LLC 6170 RIDGEVIEW CT STE E. RENO, NV 89519

Tenant Information:
CLEAR CHANNEL BILLBOARD
,

## Description of Work to Be Done

BILLBOARD.
RELOCATE MOAN BILLBOARD DOUBLE SIDE W

## ELECTRICAL

BANKED CC-3,CC-4

## Builder / General Contractor:

CLEAR CHANNEL OUTDOOR INC
2880 B MEADE AVENUE
LAS VEGAS, NV 89102
702- 23-8720
NV Lic.: 0051604

The undersigned hereby agrees to defend, indemnity and hold harmless the City of Reno, its officers, employees and agents from and against all demands, claims or liabilities that are asserted against the City of Reno arising from the undersigned's construction activities performed pursuant to the issuance of this permit (including but not limited to the undersigned's failure to perform in accordance with the approved permit and plans), save and except such dernands. claims or liability that arise from the City of Reno's sole negligence or willful misconduct.

The undersigned agrees to obtain/maintain commercial liability insurance covering it during the term of the construction authorized by this permit., in an amount no less that the total construction cost of the work to be performed, and warrants that such liability policy shall include completed operations coverage as well as an additional insured endorsement naming the City of Reno as an additional insured with respect to operations performed by or for the undersigned for which the City of Reno has issued a building permit, without exclusion for bodily injury or property damage within the completed operations of hazard.


Builder/General Contractor or the Authorized Agent

## Building Permit

Permission is hereby granted to execute the work described in this application in accordance with the Rules, Regulations, and Ordinances



ALL INSPECTIONS MUST BE COMPLETED

| Inspection Record |  |
| :---: | :---: |
| Inspector Signature | Date |
| Building Inspections B403 Footing |  |
| Electrical Inspections B543 Electrical Meter Set |  |
| B552 Electrical Rough |  |
| Sign inspectlons S826 Sign Final |  |
| Final inspections B579 Electrical Final |  |
| B637 9704 Spec Insp Final Rep |  |


| PERMIT NUMBER: SGN13-00046 |
| :---: |
| POST THIS PERMIT IN A |
| CONSPICUOUS PLACE |
| ' Permit Inspection Record |
| City of Reno Building Permit |
| GENERAL NOTES: |

It is unlawful to remove this record from the job site until all final inspections have been made.

For inspections, please call the Building Div. automated phone line al (775) 334-2396 at any time, 24 hours a day. Contractors may also schedule inspections on-line at anytime once a registered account is established at the Virtual Permit Place at hitp://applications.cityofreno.comjaccela/. Inspections may be set until $5: 00 \mathrm{am}$ of the day the inspection is to be performed. On the day of the inspection. you may call the Building inspector directly or through an operator at (775) 334-2060 from 7:30 a.m. to 8:00 a.m. to request an inspection time.

Fire Department Inspections:
After the Flre Department inspections are scheduled, the Fire inspector will telephone the contact number provided on the automated inspection dispatch within 48 hours to schedule an inspection time.

Please refer to the Fire Department comments posted on the back front page of the approved plans for additional information and requirements.

## NOTICE:

This Form shall be a permanent part of approved plans attached hereto. Approved plans must be on the job site at all times and the inspection card posted for inspection purposes. Plans are approved in accordance the IBC except that noted structural details shall be provided before construction is initiated in noted areas. The Reno Building Dlvision shall receive a copy of all testing and field reports. Any changes in the approved drawings shall be submitted in writing for approval. Provide or repair, as required, sidewalks, curbs and gutters in accordance with RMC. Excavation, fill, compaction and drainage shall comply with the IBC $90 \%$ minimum compaction under all concrete slabs.

Corrections and modifications as noted on plans and provisions of building cades and ordinances as adopted by the City of Reno whether specified on plans or not, shall be complied with.

## PERAIT EXPIRATION:

In accordance with the IBC, this permit. shall expire if work is not commenced within 180 days from the issue date or if work is suspended or abandoned at any time after the work is commenced for a period of 180 days.

On-line inspection scheduling now available on the City of Reno's website www.reno.goy > Online Services Menu > Community Development Permits > Virtual Permit Place. Contractors may cireate an account and schedule inspections or check plan status.

August 16, 2012
City of Reno
Building \& Safety Division - Plan Review Section
Attn: Daniela Monteiro
1 East First St.

## RECEIVED

AUG 212012
CITY OF RENO
PERMIT PLACE

Reno, NV 89505
RE: Correction required letter for permit application \# SGN13-00046
Dear Ms. Monteiro,
Please find the responses following the items requested:

1) Please provide banked receipt for $\mathrm{CC}-3$ and $\mathrm{CC}-4$. - Emailed to Daniale and Claudia on $8 / 2 / 12$
2) Site plan must demonstrate side property and front property setbacks will be met. - Depicted on revised site plan delivered to building department on 7/30/12.
3) Demonstrate that billboard structure is more than $300^{\prime}$ away from residential zoned property per RMC 18.16.904(b)(4) - Depicted on revised site plan delivered to building department on $7 / 30 / 12$.
4) Notarized owner consent for billboard installation must be provided per RMC 18.16.904(b)(2) - Copy of lease provided to Daniela on 7/10/12 explaining power of attomey issued to Clear Channel for application purposes.
5) Please demonstrate distance on plans to billboards in all directions. - Depicted on revised site plan delivered to building department on $7 / 30 / 12$.
6) Please revise application to remove reference of "new" billboard as no new billboards are allowed in the City. - Emailed revised application to Daniela on 7/10/12.

Thank you, let me know if you have any questions or require additional information,



4945 Joule Street, Reno, NV 89502
T 775.856.0220 F 775.856.7595
S6N 13.00046

July 16, 2012

City of Reno
Building \& Safety Division - Plan Review Section
Attn: Arvil Singleton
450 Sinclair St.
Reno, NV 89501

RECEIVED
JUL 192012
CITY OF RENO
PERMIT PLACE

RE: Correction required letter for pemit application \# SGN13-00046
Dear Mr. Singleton,
Please find the attached corrected special inspection agreement; per your request. Please let me know if you have any questions or require additional information.



SGN(3-00046


ENGINEERING, INC.
5544 W. 147TH STREET

GRCNO. $\qquad$
JOB
DATE $\qquad$ anc FV

Descriparon: Reoesinn funnoarou per values posisentio in sac Reppour ory
 FILE:1360

Son Properties:


Bron's: $p_{4}=\frac{3 t_{0}, \sigma v}{F 5.3 .}$

$$
\approx \frac{120 \mathrm{pf}(312)(3)}{3}=374 \mathrm{ps} / \mathrm{p}_{t}
$$

USE 300pst/te For Descicn
Reduce founoatzan to $5^{\circ} 0^{\circ} \phi \times 19^{\prime} 0^{\prime \prime}$ DEE


## Augered Footings

inputs
Building Code 2006 International Building Code

Augered Foundation Calculations

| Inputs |  |
| :---: | :---: |
| Moment (ft k) | 1404,434 |
| : . . . |  |
| Total'Stear (k) | 25.15734 |
| $\because \quad \because \quad \therefore \quad \therefore \quad{ }^{\square}$ | : |
| $\because$ Depth (ft) $\cdot$ | 19 |
| $\ldots$ |  |
| Depth of ignore:(ft). | $\because 0$ |
|  |  |
| $\because \cdots$ | 5 |

soil bearing $\quad 300 \quad$ psffft

Concrete Vol (cu yd) 13.81719
$S G N 13-00046$


DEScraption - Desun Buc BuAes Struchre te REPLACE: ExIStinh STMCPuize Due ro RoAa wioEniva
$14 \times 48$ SES POSTA, FF 20 ND UEE 35044
Desiga yo BE CAPABUE or supprots
FACES wELG4nh wo lspsf.
EAcH II An Cominarzo
$12 \times 24 \not 6^{\prime \prime} \rightarrow 4400 \#$
$14 \times 48 \rightarrow 10,00 \%$


## Seismic Design Criteria

Building Code: 2006 International Building Code
Subsection: 1603.1.5 - Earthquake Design Data

1. Seismic importance Factor: Occupancy Category (Table 1604.5):
```
IE = 1.00 I
```

2. Mapped Spectral Response accelerations (From USGS Website): Latitude: 39.4914 Longitude: -119.8031
$\mathrm{S}_{\mathrm{s}} \quad \mathbf{1 . 6 0 2} \mathrm{g}$
$\mathrm{S}_{1} \quad 0.636 \mathrm{~g}$
3. Site Class:
4. Spectral Response Coefficients:

| $\mathrm{S}_{\mathrm{DS}}$ | 1.068 <br> $\mathrm{~S}_{\mathrm{D1}}$ |
| :--- | :--- |
|  | 0.636 |

5. Seismic Design Category:

D

$$
\begin{array}{ll}
S_{D S} S_{D C} & D \\
S_{D 1} S_{D C} & D
\end{array}
$$

6. Basic Seismic Force Resisting System:

Non-Building Structures Not Similar to Buildings - Signs and Billboards

10. Analysis Procedure Used:

Equivalent Lateral Force Method
Conterminous 48 States
2006 International Building Code
Latitude $=39.4914$
Longitude $=-119.80306500000002$
Spectral Response Accelerations Ss and S1
Ss and S1 = Mapped Spectral Acceleration Values
Site Class B - Fa = 1.0, Fv=1.0
Data are based on a 0.01 deg grid spacing
Period ..... Sa
Conterminous 48 States
2006 International Building Code
Latitude $=39.4914$
Longitude $=-119.80306500000002$
Spectral Response Accelerations SMs and SM1
RMs $=\mathrm{Fa} \times \mathrm{Ss}$ and $\mathrm{SM} 1=\mathrm{Fv} \times \mathrm{S} 1$
Site Class D - Fa $=1.0, \mathrm{Fv}=1.5$
Period Sa
(sec) (g)
$0.2 \quad 1.602$ (SMs, Site Class D)
$1.0 \quad 0.955$ (SM1, Site Class D)
Conterminous 48 States
2006 International Building Code
Latitude $=39.4914$
Longitude $=-119.80306500000002$
Design Spectral Response Accelerations SDi and SD1
SD $=2 / 3 \times$ SM and SD1 $=2 / 3 \times$ SM
Site Class D - Fa $=1.0, \mathrm{Fv}=1.5$
Period ..... Sa
(sec) (g)
0.21 .068 (GDs, Site Class D)
$1.0 \quad 0.636$ (SD1, Site Class D)
0.21 .602 (Ss, Site Class B)
$1.0 \quad 0.636$ ( S 1 , Site Class B)


## Seismic Design Calculations

Building Code: 2006 International Building Code
Subsection: 1603.1.5 - Earthquake Design Data

## Site Coefficients, Fa, Fv

Site Coefficient, Fa
Site Coefficient, Fv

1 (interpolated from Table 11.4-1 in ASCE 7-05)
1.5 (interpolated from Table 11.4-2 in ASCE 7-05)

## Natural Period of Structure

Approximate Period, $\mathrm{T}_{\mathrm{a}} \quad 0.288 \mathrm{sec}$
Upper Limit Coefficient, $\mathrm{C}_{u} \quad 1.400$ (interpolated from Table 12.8-1 in ASCE 7-05)
Maximim period, $\mathrm{T}_{\text {max }} \quad 0.403 \mathrm{sec}$
$T_{\text {actuat }} \quad 0.838 \mathrm{sec}$ (from analysis, computer or by hand)

## Calculation of Seismic Response Coefficient

$$
\begin{array}{rlr}
\left.\mathrm{C}_{\mathrm{s}}=\mathrm{S}_{\mathrm{DS}} / R^{R} /\right)= & 0.3560 \text { Equation 12.8-2 } \\
\text { need not exceed } \mathrm{S}_{\mathrm{DS}} /\left(\mathrm{T}\left({ }^{R} / 1\right)\right) & = & 0.2531 \text { Equation 12.8-3 } \\
\mathrm{C}_{\mathrm{s} \text { min }} & = & 0.03 \text { Equation 15.4-1 } \\
\text { If } \left.\mathrm{S}_{1} \geq 0.6 \mathrm{~g}, \mathrm{C}_{\mathrm{s} \text { min }}=0.8 \mathrm{~S}_{1} / /^{R} \mathrm{R}_{1}\right) & = & 0.1696 \text { Equation 15.4-2 }
\end{array}
$$

$$
\text { Governing } \mathrm{C}_{\mathrm{s}}=0.2531
$$

## Seismic W

| Appx Head Weight | $=$ | 52 kips |
| ---: | :--- | ---: |
| Appx Column Weight | $=$ | 5 kips |
| $\mathbf{W}$ | $=1$ | 57 kips |



## Overall Data Sheet

Location: 501 W Moana Lane, Reno, NV



## Wind Design Data

Building Code: 2006 Internationa! Building Code
Wind Code: ASCE 7-05

|  | Exposure | C |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Wind | ortance ( $\mathrm{l}_{\mathrm{w}}$ ) | 0.87 |  |  |
|  | rall Height | 35.0 ft |  |  |
| Coefficients |  |  |  | Load Cases to check |
|  |  |  |  | Load Case 1: Wind load applied at centroid of Sign area |
| Kz | 1.014652 | G | 0.85 | Load Case 2: Wind load at 0.2*Sign Width from Centroid of Sign area |
| Kzt | 1 | Cf | 1.697218 | Figure 6-20, Footnote 3 |
| Kd | 0.85 | $\omega$ | 1 | Load Case 3: Case C, Fig 6-20, Computed elsewhere |


| $\mathrm{qs}=$ | 19.21 psf |
| ---: | ---: |
| $\mathrm{pw}=$ | 27.71 psf |
| $\omega$ | $\mathrm{pw}=27.7 \mathrm{psf}$ |

Therefore, use 27.71 psf for design
with 1.00 ASIF (Allowable Stress Increase Factor)
Wind applied to computer model with torsion pipe along global $X$ axis:
Wind Pressure perpendicular to sign Face
Sign face angle from Global X-Axis: 8.99 degrees
pz $\quad 27.4$ psf
pX $\quad 4.3$ psi
Wind pressure, $60 \%$ perpendicular, $30 \%$ transverse (used sometimes to size crossbracing)

$$
\begin{array}{ll}
\mathrm{pz} & 17.7 \mathrm{psf} \\
\mathrm{px} & 10.8 \mathrm{psf}
\end{array}
$$



## ASCE 7-05/ASCE 7-10 Wind Pressure Calculations



## Supporting Tables and Calculations

Table 6-2 - Terrain Exposure Constants

| Exposure | $\alpha$ | $z_{a}(t)$ | $a$ | $b$ hat | alpha bar | b bar | $c$ | $!(f t)$ | eps bar | $z \mathrm{~min}(f t)$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $B$ | 7 | 1200 | 0.142857 | 0.84 | 0.25 | 0.45 | 0.3 | 320 | 0.333333 | 30 |
| C | 9.5 | 900 | 0.105263 | 1 | 0.153846 | 0.65 | 0.2 | 500 | 0.2 | 15 |
| D | 11.5 | 700 | 0.086957 | 1 | 0.111111 | 0.8 | 0.15 | 650 | 0.125 | 7 |


| Cf, Case A and Case B |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Clearance } \\ & \text { Ratio, s/h } \\ & \hline \end{aligned}$ | Aspect Ratio, E/s |  |  |  |  |  |  |  |  |  |  |  |
|  | <0,05 | 0.1 | 0.2 | 0.5 | 1 | 2 | 4 | 5 | 10 | 20 | 30 | $>45$ |
| 1 | 1.8 | 1.7 | 1.65 | 1.55 | 1.45 | 1.4 | 1.35 | 1.35 | 1.3 | 1.3 | 1.3 | 1.3 |
| 0.9 | 1.85 | 1.75 | 1.7 | 1.6 | 1.55 | 1.5 | 1.45 | 1.45 | 1.4 | 1.4 | 1.4 | 1.4 |
| 0.7 | 1.9 | 1.85 | 1.75 | 1.7 | 1.65 | 1.6 | 1.6 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 |
| 0.5 | 1.95 | 1.85 | 1.8 | 1.75 | 1.75 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.75 |
| 0.3 | 1.95 | 1.9 | 1.85 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.85 | 1.85 | 1.85 |
| 0.2 | 1.95 | 1.9 | 1.85 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.85 | 1.9 | 1.9 | 1.95 |
| <. 16 | 1.95 | 1.9 | 1.85 | 1.85 | 1.8 | 1.8 | 1.85 | 1.85 | 1.85 | 1.9 | 1.9 | 1.95 |



| Region | Cf | pw |
| :---: | :---: | :---: |
| 0 tos | 2.510 | 40.98 |
| s to 2 s | 1.649 | 26.92 |
| 2s to 3s | 1.150 | 18.78 |
| 3s to 10s | 0.000 | 0.00 |


|  | $\mathrm{p}_{\text {max }}$ |  | $\mathbf{P}_{\text {total }}$ |
| :---: | :---: | :---: | :---: |
| B | 46.28 | psf | 23.28 kips |
| C | 40.98 | psf | 25.07 kips |
| Case $\mathbf{B}$ Governs | Case C Governs |  |  |
|  |  |  | 1.076824 |



## Dead Load Computation

| Sign Dimensions (ft) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Width ....-.-. 48 |  |  |  |  |  |  |  |
| Height | 14 |  |  |  |  |  |  |
| Apron | 3 |  |  |  |  |  |  |
|  | Number | Load | Area/length | Total | For two faces with different weights: |  |  |
| Faces | 2 | 3.00 | 672 | 4032 |  | Face 1 | Face 2 |
| Uprights | 12 | 18 | 17.5 | 3780 | Weight | 3.0 psf | 3.0 psf |
| Stringers | 8 | 8.2 | 48 | 3148.8 | Stringers | 8.2 plf | 8.2 plf |
| Hangraillat brace | 4 | 4.9 | 48 | 940.8 | Face Weight | 2016 | 2016 |
| Ledgers | 12 | 9 | 6.5 | 702 | Total Weight | 3590 | 3590 |
| WW Angles | 12 | 6 | 56 | 4032 | Avg offset from CL | 7.25 ft | 7.25 ft |
| Grating | 1 | 3 | 858.592 | 2575.776 |  |  |  |
| Apron | 2 | 2.5 | 144 | 720 | Net weight Offset | 0.00 ft | (face only) |
| Lights | 4 | 50 | 1 | 200 | Net weight Offset | 0.00 ft | (total) |
| Upper CW Beams | 6 | 15 | 11.17 | 1005.3 |  |  |  |
| -. Spreaders | 6 | 30 | 11.17 | 2010.6 |  |  |  |
| Torsion Pipe | 1 | 221.82 | 46 | 10203.74 |  |  |  |
|  |  |  |  |  | HeL SM FACES |  |  |
|  | Total Dead Load |  |  | 33351 |  |  |  |
|  | 5\% MISC |  |  | 1668 |  |  |  |
|  | Total Load |  |  | 35019 |  |  |  |

Load per upright (without faces, torsion pipe, stringers, uprights, cw beams, spreaders, and apron) 739.4254


## Dead Load Computation

Sign Dimensions (ft)

|  | Height Apron | $\begin{gathered} 14 \\ 3 \end{gathered}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | Load | Area/Length | Total | For two face | with diff | rent weights: |
|  | Faces | 2 | 9.00 | 672 | 12096 |  | Face 1 | Face 2 |
|  | Uprights | 12 | 18 | 17.5 | 3780 | Weight | 3.0 psf | 15.0 psf |
|  | Stringers | 8 | 8.2 | 48 | 3148.8 | Stringers | 8.2 pff | 8.2 plf |
|  | Hangraillat brace | 4 | 4.9 | 48 | 940.8 | Face Weight | 2016 | 10080 |
|  | Ledgers | 12 | 9 | 6.5 | 702 | Total Weight | 3590 | 11654 |
|  | WW Angles | 12 | 6 | 56 | 4032 | Avg offset from CL | 7.25 ft | 7.25 ft |
|  | Grating | 1 | 3 | 858.592 | 2575.776 |  |  |  |
|  | Apron | 2 | 2.5 | 144 | 720 | Net weight Offset | 3.84 ft | (face only) |
|  | Lights | 4 | 50 | 1 | 200 | Net weight Offset | 1.41 ft | (total) |
|  | Upper CW Beams | 6 | 15 | 11.17 | 1005.3 |  |  |  |
| $\sim$ | Spreaders | 6 | 30 | 11.17 | 2010.6 |  |  |  |
|  | Torsion Pipe | 1 | 221.82 | 46 | 10203.74 |  |  |  |
|  |  |  |  |  |  | 1 Fece | $H$ HAC FACE |  |

Total Dead Load 41415
5\% MISC 2071

Total Load 43486
Load per upright (without faces, torsion pipe, stringers, uprights, ow beams, spreaders, and apron) 739.4254


## Dead Load Computation

| Sign Dimensions (ft) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| Height 14 |  |  |  |  |  |  |  |  |
| Faces |  | Number | Load | Area/Length | Total | For two face | with diff | rent weights: |
|  |  | 2 | 15.00 | 672 | 20160 |  | Face 1 | Face 2 |
| Uprights |  | 12 | 18 | 17.5 | 3780 | Weight | 15.0 psf | 15.0 psf |
| Stringers |  | 8 | 8.2 | 48 | 3148.8 | Stringers | 8.2 pif | 8.2 plf |
| Hangrail/lat brace |  | 4 | 4.9 | 48 | 940.8 | Face Weight | 10080 | 10080 |
| Ledgers |  | 12 | 9 | 6.5 | 702 | Total Weight | 11654 | 11654 |
| WW Angles |  | 12 | 6 | 56 | 4032 | Avg offset from CL | 7.25 ft | 7.25 ft |
| Grating |  | 1 | 3 | 858.592 | 2575.776 |  |  |  |
| Apron |  | 2 | 2.5 | 144 | 720 | Net weight Offset | 0.00 ft | (face only) |
| Lights |  | 4 | 50 | 1 | 200 | Net weight Offset | 0.00 ft | (total) |
| $\sim$ | Upper CW Beams | 6 | 15 | 11.17 | 1005.3 |  |  |  |
|  | Spreaders | 6 | 30 | 11.17 | 2010.6 |  |  |  |
|  | Torsion Pipe | 1 | 221.82 | 46 | 10203.74 |  |  |  |
|  |  |  |  |  |  | Hec HEA | 4 | cts |

## Total Dead Load 49479

 5\% MISC 2474



## Hot Rolled Steel Section Sets



## Member Area Loads (BLC 1: Dead Load)



## Member Area Loads (BLC 2 : Wind Front)



## Member Area Loads (BLC 3: Wind Rear)



## Member Area Loads (BLC 4 : Wind Front Rt)



## Member Area Loads (BLC 6: Wind Rear Rt)



## Member Area Loads (BLC 7: Wind Rear Lt)

|  | Joint A | int $B$ | Joint $C$ | Joint | Diregtion | Dis | Magnitude[ksf] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | SF1 | SF3 | SF8 | SF6 | 7 | A-B | . 0456 |
| 2 | AAP3: | $\because$ AP8 $\because$ | AP6 \% | APA ${ }^{\text {a }}$ | 4, | \% $A$ B | $\therefore 0456$ |
| 3 | SF1 | SF3 | SF8 | SF6 | X | A-B | 0072 |
| 4 | AP3, | SAP8 | AAPGT | AAP1 | \% $\times$ | OnA $A^{3}$ | \%0072 |

Member Area Loads (BLC 8:1 Heavy 14×48)


## Member Area Loads (BLC 9: Other Heavv 14x48)



## Member Area Loads (BLC 10:1 Heavy Poster)

|  | Joint A | Joint B | Joint $C$ | Joint D | Direction | Distribution | Magnitudefksfl |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| -1 | N218 | N221 | N219 | SF12 | $Y$ | A-B | -. 012 |

## Member Area Loads (BLC 11: 2 Heavy Posters)

|  | Joint A | Joint 8 |  | Joint C | Joint D | Direction | Distribution | Magnitudelksf] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | N218 | N221 | - | N219 | SF12 | $Y$ | A-B | -. 012 |
|  |  |  |  |  |  |  |  |  |

Member Area Loads (BLC 12 : 2 Heavy Posters-2)

| Joint $A$ | Joint B | Joint C | Joint D | Direction | Distribution | Magnitude[ksf] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 : N218 | N221 | N219 | SF12 | Y | A-B | -. 012 |
|  | N226. | $1, \mathrm{~N} 227$ | N224 | Y Y | AB | $\therefore \div 012$ |

## Member Area Loads (BLC 14: EQ+X)

| Joint A |  | Joint B | Joint C | Direction |  | Distribution | Magnitude[ksf] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | SF11 | SF13 | SF14 | SF12 | $X$ | A-B | . 0084 |
| 2 | SF 1,1 | SF3: | SF4: | SF2 | $X$ | A-B: | 0084 |
| 3 | AP13 | AP14 | AP12 | AP11 | X | A-B | 0084 |



Joint Loads and Enforced Displacements (BLC 1 : Dead Load)


Load Combinations


## Load Combinations (Continued)



## Envelope Joint Reactions



## Envelope AISC 13th(360-05): ASD Steel Code Checks



RISA-3D Version 9.1.1 [C:L..L..L..L..L..L..110-2207, 501 W Moan Ln, 12-017-206WModel 10-2207.r3d] Page 4



Loading on Angle to use below (from RISA or apps)

| $M x$ | 0.70 | ft -kips |
| :--- | :--- | :--- |
| My | -1.98 ft -kips | (positive causes compression in horizontal leg - like gravity load on a cantilever) |
| (positive causes tension in vertical leg) |  |  |


| My | -1.98 | ti -kips | (positive causes tension in vertical leg) |
| :--- | :---: | :--- | :--- |
| Mires | 2.10 tt-kips | $\theta$ | 160.4 degrees (right from vert) |
| Cb | 1.00 | $\alpha-\theta$ | -115.4 degrees (left from W-W) |

$14 x 48$ Smancan
Moments about Geometric AxIs

(positive causes compression in bottom toe)
$\rightarrow$ USE

## Yielding

| $\mathrm{Mn}_{y_{-} \text {w }}$ | 9.35 ft -kips |
| :--- | :--- |
| $\mathrm{Mn}_{\mathrm{y}_{2} \text {-heel }}$ | 4.45 ft -kips |
| $\mathrm{Mn}_{\mathrm{y}_{2} \text { zoe }}$ | 4.20 ft -kips |


| $M c_{y_{2}}$ | 5.60 ft -kips |
| :--- | :--- |
| Mcy_-neel | 2.67 ft -kips |
| Mcy_zee | 2.51 ft -kips |

Lateral-Torsional Buckling


## Leg Local Buckling



## - Governing Capacities



$$
\begin{aligned}
& \text { cent CLEAR CHANNEL }
\end{aligned}
$$

$$
\begin{aligned}
& 144
\end{aligned}
$$

## Stringer Clip Connection Design

Stringer
$44 \times 4 \times 5 / 16$

| Fy | 36 |
| :--- | ---: |
| Es |  |
| 29000 ksi |  |

General Properties of Stringer - assumes LLH if applicable


Clip | $14 \times 4 \times 1 / 2$ | Fy |
| :--- | :--- |

| General Properties of Clip | assumes LLH if applicable |  |  |  |  |
| :--- | :---: | :---: | ---: | :--- | ---: |
| Weight | $12.8 \mathrm{lb} / \mathrm{ft}$ | t | 0.5 in | k |  |
| d | 4 in | b | 4 in | g | 0.875 in |
|  |  |  |  |  |  |

Check Leg without gussets in Stringer Clip


USE L $4 \times 4 \times 1 / 2$ CLIP @ $0^{\prime}-6.0^{\prime \prime}$ WITHOUT GUSSETS
Weight $-8.2 \mathrm{lb/t}-1 \mathrm{t}$
4 in $g \quad 2.5$ in



STRINGER MOUNTING DETAIL




Loading on Angle to use below (from RISA or appx)

| My | 1.41 ft-kips | (positive causes compression in horizontal leg - like gravity load on a cantiever) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Mx | -1.98/ft-kips | (posit | stension in vertical leg) |  |  |
| Mres | 2.43 ft -kips | $\theta$ | 144.4 degrees (right from vert) | $\alpha$ | 25.87339 |
| Cb | 1.00 | $\alpha-\theta$ | -118.6 degrees (left from W-W) |  |  |

Moments about Geometric Axis

| $\mathrm{Mr}_{\mathrm{w}}$ | -1.16 ft -kips | (positive causes compression in long toe) | $\beta_{w}$ | -2.400 |
| :--- | :--- | :--- | :--- | :--- |
| $\mathrm{Mr}_{\mathrm{z}}$ | -2.14 ft -kips | (positive causes compression in both toes) |  |  |


| Yielding |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{M}_{\mathbf{z} \boldsymbol{*}}$ | 8.01 ft -kips | $\mathrm{Mn}_{\mathrm{Y}_{-1}}$ | 12.01 ft -kips | Mcy_w | 7.19 t-kips |
| $M_{y z-\text {-nel }}$ | 3.56 ft -kips | Mn $\mathrm{y}_{\mathbf{y} \text { z-risal }}$ | $5.33 \mathrm{ft-kips}$ |  | $3.19 \mathrm{ft-kips}$ |
| $\mathrm{M}_{\mathrm{y}-\mathrm{zlog}}$ | 2.92 ft -kips |  | $4.39 \mathrm{tt-kips}$ | $\mathrm{May}_{\text {z }} \mathbf{1 0 e}$ | 2.63 ft -kips |


| Lateral-Torsional Buckling |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Me_w | 19.51 ft -kips | $\mathrm{Mn}_{\text {cte_w }}$ | 9.37 ft -kips | (F10-3) | Mctic_w | 5.61 ft-kips |



| Governing Capacities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Short Toe: | $\mathrm{Mc}_{\mathbf{w}}$ | 5.61 ft -kips | $\mathrm{Mc}_{2}$ | 2.63 ft -kips | 1 C | 1.02 |
| Long Toe: | $\mathrm{Mc}_{\text {w }}$ | 5.61 f-kips | $\mathrm{Mc}_{2}$ | 2.63 tt-kips | IC | 1.02 |
| Heel: | Mc ${ }_{\text {w }}$ | 5.61 ftkips | $\mathrm{Mc}_{2}$ | 3.19 tt-kips | 1 C | 0.88 |



Loading on Angle to use below (from RISA or appx)



AISC 13th(360-05): ASD Code Check
Direct Analysis Method

| Max Bending Check | 0.861 | Max Shear Check | 0.083 (y) |  |
| :--- | :--- | :--- | :--- | :--- |
| Location | 18.989 ft | Location | 18.989 ft |  |
| Equation | $\mathrm{H} 2-1$ | Max Defl Ratio | L/700 |  |
| Bending Flange | Compact | Compression Flange | Slender | Qs=.997 |
| Bending Web | Compact | Compression Web | Slender | Qa=1 |


| Fy | 36 ksi |  | $y-y$ | $z-\mathrm{z}$ |
| :--- | :--- | :--- | :--- | :--- |
| Pnc/om | 50.719 k | Lb | 1.86 ft | 1.86 ft |
| Pntfom | 51.737 k | KL_r | 18.053 | 18.053 |
| Mnylom | $3.422 \mathrm{k}-\mathrm{ft}$ | Sway | No |  |
| Mnzfom | $3.422 \mathrm{k}-\mathrm{ft}$ | No |  |  |
| Mnylom | 16.168 k | Comp Flange | 0 ft |  |
| Vnzfom | 16.168 k | Torque Length | NC |  |
| Cb | 1 | Taut | 1 |  |




[^4]JA 1724
SN 1280


## Extended End Plate Moment Connection per AISC Design Guide 16

## Upright-to-Upper-Spreader Connection




## Check Uprights with (or without) Prying Action

Without Prying action:

| b | 1.26 in | $\mathrm{b}^{\prime}$ | 1.01 in | $\rho$ | 0.6733333 | $p$ | 3.0 in |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| a | 1.25 in | $\mathrm{a}^{\prime}$ | 1.5 in | d' | 0.625 in |  |  |
| $t_{\text {min }}$ | 0.329 in |  | Prising ${ }^{\text {a }}$ |  |  |  |  |



Check Uprights with Stiffeners - Model as stiffened extended end plate connection

| 4 | 0.375 in (Stiffener thickness) |  |  | s 1.899836 in | set $\mathrm{d}_{\mathrm{e}, \text { enf }}=s$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{b}_{i}^{\prime}$ | 5.25 in (Use stiffeners extending to end of upright flange) |  |  |  | $h$ | 8.125 in |
| $\mathrm{d}_{\text {e }}{ }^{\prime}$ | 1.89983552 in | $\mathrm{p}_{\mathrm{i}, \mathrm{i}}=\mathrm{p}_{\mathrm{f}, 0}=$ | 1.125 in | $p_{\text {ext }}$ | 3.0248355 in |  |
| $h_{i}$ | 6.625 in | ho | 9.625 in | Y | 89.4679 |  |
| $\mathrm{d}_{\mathrm{i}}$ | 6.4375 in | $d_{0}$ | 9.4375 in |  |  |  |

Thin End Plate procedure $t_{\text {p.req'd }} \quad 0.191$ in

No Stiffeners Required from above
Check Web Yielding


See Previous Page for Definitions of Nomenclature in Sketch



Extended End Plate Moment Connection per AISC Design Guide 16
Upright-Spreader Connection




Check Uprights with Stiffeners - Model as stiffened extended end plate connection

| $t_{f}^{\prime}$ | 0.375 in (Stiffener thickness) | $s 1.899836$ in | set $d_{\text {e.eff }}=s$ |
| :---: | :---: | :---: | :---: |
| $\mathrm{~b}_{\mathrm{f}}^{\prime}$ | 5.25 in (Use stiffeners extending to end of upright flange) | h 12.375 in |  |


|  | 1.89983552 in | $p_{f, i}=p_{f, 0}=$ | 1.125 in | P | 3.0248355 in |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $h_{i}$ | 10.875 in | $h_{0}$ | 13.875 in | Y | 136.80854 |
| $\mathrm{d}_{\mathrm{i}}$ | 10.6875 in | $d_{0}$ | 13.6875 in |  |  |

Thin End Plate procedure $t_{p, r e q * d} \quad 0.232$ in

## 

## Check Web Yielding




See Previous Page for Definitions of Nomenclature in Sketch



## Spreader/Moonbeam

| Size W12×30 | 7 |
| :---: | :---: |
| Shear load on Conn. | 8.49 |
| Tension on Connection | 0.95 |
| Torsion on Conn. | 6.45 |
| Strong Axis Moment | 45.69 |
| $=$ Weak-Axis:Moment | - 5.13 |
| $\mathrm{b}_{4}$ | 6.52 |
| d | 12.3 |
| $\mathrm{t}_{\mathrm{f}}$ | 0.44 |
| $t_{w}$ | 0.26 |



## Check Flange without stiffeners

Without Prying action:

| b | 1.62 in | $\mathrm{b}^{\prime}$ | 1.245 in | $\rho$ | 0.660477 | p | 3.0 in |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| a | 1.51 in | $a^{1}$ | 1.885 in | ${ }^{\text {d }}$ | 0.875 in |  |  |
| $t_{\text {min }}$ | 0.624 in | Weedto Check Prying Action |  |  |  |  |  |
| With Prying Action: |  |  |  |  |  |  |  |
| $\delta$ | 0.708 | B | 19.88 kips | $\beta$ | 1.772395 |  |  |
| $\alpha^{\prime}$ | 1 |  |  |  |  |  |  |
| $t_{\text {min }}$ | 0.477 in |  | S |  |  |  |  |

## Check Uprights with Stiffeners - Model as stiffened extended end plate connection

| $\mathrm{t}_{\mathrm{f}}^{\prime}$ | 0.375 in |
| ---: | ---: |
| $\mathrm{b}_{\mathrm{i}}^{\prime}$ | 6.52 in |
| $\mathrm{d}_{\mathrm{e}}{ }^{\prime}$ | .2 |
| $\mathrm{~h}_{\mathrm{i}}$ | 30.6875 in |
| $\mathrm{d}_{\mathrm{i}}$ | 30.5 in |

s 2.388514 in
$\mathrm{b}_{\mathrm{f}}^{\prime} \quad 6.52$ in (Use stiffeners extending to end of spreader/moonbeal $\quad$ h 32.375 in


Find Effective Moment in "Plate" $\quad \mathrm{T}_{\text {boll,Mstrong }} \quad 4.64$ kibolt $\quad \mathrm{T}_{\text {bolkrem }} \quad 4.51 \mathrm{k} / \mathrm{bolt}$

| $\mathrm{M}_{\text {add }}$ | 48.15 ft -kips | $\mathrm{M}_{\text {nom }}$ |
| :---: | :---: | :---: |
| $\mathrm{M}_{\mathrm{u}, \text { eff }}$ | 140.77 ft -kips | 93.85 ft -kips |

$\frac{\text { Thin End Plate procedure }}{\mathrm{t}^{2}}$
QK UseStifteners-s-
Check Bolt Rupture with Prying Action

| W' | 2.4475 in | $a_{i}$ $a_{0}$ | $\begin{aligned} & 0.658461 \\ & 0.658461 \end{aligned}$ | $\begin{aligned} & F_{i}^{\prime} \\ & F_{0}^{\prime} \end{aligned}$ | 11.55943 kips <br> 11.55943 kips | $\begin{aligned} & Q_{\text {max }, 1} \\ & Q_{\text {max }, 0} \end{aligned}$ | 8.350179 kips 8.350179 kips |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\phi M_{\mathrm{q}}=\max ($ | 251.28 ft-kips | $\phi \mathrm{M}_{\mathrm{q}}=$ | 251.28 |  |  |  |  |
|  | 238.28 ft-kips |  |  |  | OK: |  |  |
|  | 237.00 ft-kips | $M_{L}=$ | 140.77 |  |  |  |  |
|  | 224.00 ft -kips |  |  |  |  |  |  |



Spreader/Moonbeam


0


| $\mathrm{b}_{\mathrm{f}}$ | 6.52 in |
| :--- | :--- |
| d | 12.3 in |
| $\mathrm{f}_{\mathrm{t}}$ | 0.44 in |
| $\mathrm{t}_{\mathrm{w}}$ | 0.26 in |

Bolts - Loading without prying action

| Flange width | k | 0.74 in |
| :--- | :---: | ---: |
| Depth | k 1 | $\cdot \cdot$ |
|  | 0.75 in |  |
| Flange thickness | $g$ | 3.5 in |
|  | Fy | .50 |
|  | Fu | 65 ksi |



| $\mathrm{F}_{\text {tron }}$ | 90 ksi |
| ---: | ---: |
| Tightening | Fully Tightened |
| Tb | 28 kips |
| Pt | 39.76 kips |
| $\mathrm{F}_{\mathrm{nv}}$ | 48 ksi |

Check Panel Zone Shear - Using "Factored" ASD loads to be consistent with DG 16 checks
Factored "Flange Force" ("Flange Force" is applied through the stiffeners, based on Mu, eff) Assume $\operatorname{Pr}<0.4^{*} \mathrm{Pc}$ for the spreader (this shape is governed by bending moments, not axial loads)



Company Designer Job Number

GRC Engineering, Inc.
Frank Voss

Apr 5, 2012
8:17 AM Checked By:

Member Section Forces (By Combination)



Head Plate Connection Design



Head Plate Connection Design


$$
\begin{aligned}
& T_{N}=182.9(3) / 12=4.534 / 10 \\
& V_{N}=29.2 / 22=1.334 / 0 N
\end{aligned}
$$

$$
N_{E T}=4.724 / \mathrm{m}
$$

$$
\theta=7 \pi .6^{\circ}
$$

$$
4,72 / 3(70)(.707)(1.47)=0.22
$$

$$
\frac{5}{16} \text { wekas OK }
$$




## Connection Plates



Welds from Connection Plate to Torsion Pipe
Assume all torsion pipe torsion is resisted by 1 plate?

| M $_{\text {plate }}$ | 204.65 ft -kips |
| :--- | :--- |
| P $_{\text {Zpate }}$ | 231.95 kips |
| P Yplate | 367.57 kips |
| P xplate | 2.084 kips |

Welds from Connection Plate to Head Plate without considering box plates:

| Tw | $5.777 \mathrm{k} / \mathrm{in}$ | Factor? |  |
| :--- | :---: | :--- | :---: |
| Yw | $2.128 \mathrm{k} / \mathrm{in}$ | Factor | 1.454509 |
| Net: | $6.156 \mathrm{k} / \mathrm{in}$ | lweld | 0.28508 |
| $\theta$ | $69.8^{\circ}$ |  |  |

considering box plates welded outside only



## ASCE Wind Pressure

$\omega$
27.71 psf
35 ft
Overall Height:
Inputs
Building Code: 2006 International Building Code
27.710979 1
Wind: 100 mph
Sign Height 14.00 ft Sign Width 48.00 ft
CLINT CLEAR CHANNEL 12-017-206
$008-\quad 10-2207$
DATE $\qquad$ Eve.


DAK FOREST, HNNOSEC452
lw = . $\cdot$. 0.87
Point 7.00 ft
$\theta 8.8806$ Flag (CL Face to CL Column) 23.00 ft

## Loads Applied to Sign

Factor ${ }^{:}$: . . 1
(uses ASCE 7 Figure 6-20 Note 4.b)


Fundamental Period Determination - per ASCE §15.4.4

$$
T=2 \pi \sqrt{\frac{\sum_{i=1}^{n} w_{i} \delta_{i}^{2}}{g \sum_{i=1}^{n} f_{i} \delta_{i}}}
$$

$$
\begin{aligned}
\sum_{i=1}^{n} w_{i} \delta_{i}^{2} & = \\
\sum_{i=1}^{n} f_{i} \delta_{i} & =
\end{aligned}
$$

$$
0.417723855
$$

$$
T=0.74288715 \mathrm{sec}
$$

$$
f=1.34609947 \mathrm{~Hz}
$$

$$
0.077333239
$$

Case A \& B Column Loading Conditions

- Loads at base of head



## Column 1

| Length | Fy | Diam |
| :---: | :---: | :---: |
| 17.50 ft | 42 ksi | 48.000 in. |
| Height Above Grade | PL | Px |
| 0.00 ft | 24.55 k | 3.6 k |
|  | $\mathrm{h}-\mathrm{bar}_{\mathrm{Mx}}$ | $\mathrm{h}^{2}-\mathrm{bar}$ |
|  | 25.66 ft | 347.97 ft |
|  | $\mathbf{B}_{1}$ | 1.0007 |

Width $_{\text {eff }}$
3.20 ft
By (axial load)
54.85 k
h-bar $_{\mathrm{My}}$
31.60 ft
1.0030

| Length $_{\text {exp }}$ | Lb |
| :---: | :---: |
| 17.50 ft | 17.50 ft |
| Mx | My |
| $629.9 \mathrm{ft}-\mathrm{k}$ | $775.9 \mathrm{ft}-\mathrm{k}$ |
| $\mathrm{r}_{\text {equiv }}$ | length $_{\text {equiv }}$ |
| 16.81 in | $17: 50 . \mathrm{ft}$ |
| $\mathrm{B}_{\mathbf{2}}(\mathrm{Mx} \mathrm{tot})$ | $631.8 \mathrm{ft}-\mathrm{k}$ |


| Total length | $\mathbf{t}$ |
| :---: | :---: |
| 39.5 | $0.500^{\prime \prime}$ |
| $\mathbf{M z}$ | 0 |
| $1253.9 \mathrm{ft-k}$ | 0.9328768 |
| Total wieght this pipe |  |
|  | 10.03 k |
|  |  |
| $\mathbf{B}_{\mathbf{2}}\left(\mathrm{Mz}_{\text {tot }}\right)$ | $1257.7 \mathrm{ft}-\mathrm{k}$ |





Augered Footings
Inputs
Building Code 2006 International Building Code


| .Inputs |  |
| :---: | :---: |
| Moment (ft $k$ ) | 1404.434 |
| Total Shear $(\mathrm{k})$ | 25.157 .34 |
| Depth (fit) | 22.5 |
|  |  |
| Depth of ignore (ft) | 0 |
|  |  |
| Dial ( ft$)$ | 5 |

soil bearing 150
psf/ft

2.25

Concrete Vol (cu yd) 16.36246
$0.970823 \quad 0.970823$

USE $5: 0^{\prime \prime} \phi \times 22: 6^{*}$ DEEP for





# City of Reno <br> Department of Community Development Division of Building and Safety <br> Acceptance or non-acceptance of application for special inspector, <br> REceived <br> JUL 192012 <br> CITY OF RENO PERMIT PLACE <br> tester, or registered professional as being a qualified person pursuant to the International Building Code $\S$ 1704.1 <br> (For use only by the City of Reno) 

Permit number:
Project address:
Application Number: Applicant:

SGN 13.00046
501 West Moana Lane
-
Construction Materials Engineers, Inc.

APPLICATION ACCEPTED BY BUILDING OFFICIAL

## ARVIL SINGLETON

(Print name)


APPLICATION NOT ACCEPTED BY BUILDING OFFICIAL
(Print name)
(Signature and date)

# City of Reno <br> Department of Community Deyelopiment Building \& Safety Division 

## Application to Perform Special Inspection:and Testing Services

(Chapter 17 of the International Building Code)

| Permit number: | SGN 13.000 46 |
| :---: | :---: |
| Project address: | 501 West Moana Lane |
| Application number: |  |

1. Narne of applicant Construction Materials Engineers, the
2. List the special inspection and testing seryice duties you will perform based upon tables 1704.3 thru 1708:1.4 of the International Building Code.
1704.3.3 - High Strength Bolting; 1704. 3 - Weiding; 1704.4-Reinforced Concrete; $1704.7^{\circ}$-Sois
3. List and attach copies of all professional license(s) which demonstrate your competence to perform the special inspection and testing services listed in Oiuestion 2:

David P. Jones 4CC special inspectian certification for átructural steel añd botting, reinforced concrete
structural welding. soils

## 4. List all disciplinary actions and outcomes.

None

Each person signing below verifies that the above-named applicantmeets or exceeds the International Building Code qualifications to perform each ilisted inspection above and will comply with all local, state, and federal laws Each person signing below understands and agrees that the project owner or contractor or the engineer of record or architect of record acting as the owner's agent is responsible:for funding the special inspection and testing services.


## INDIVIDUAL SPECIAL INSPECTOR QUALIFICATION FORM

| Project Name: | Moana Lane Widening Billboard Relocation |
| :--- | :--- |
| Project Address: $\quad 501$ West Hoana Lane |  |

Each special inspector shall complete this form and enclose aphotocopy of their current special inspection pocket certificate card(s) for each inspection category desired.

## STATEMENT OF UNDERSTANDING

1,
David P. Jones
(print name)
hereby affirm that I have been employed by
Construction Materials Engineers, Inc.
(name of Special Inspection Agency)
6980 Sierra Center Parkway, Suite 90
Reno, NV 89511
(address, city, state and zip code)
to perform special inspection at the above stated project and that I am aware that in performing this inspection, I am acting as an agent for the jurisdiction and responsible to the Building Official. I am aware that my duties include assurance of compliance with the approved (stamped) plans, specifications, the International Building Code and local ordinances and recognized construction practices which do not conflict with any of the aforementioned documents. I will submit written reports to the Building Official
as required.


## SPECIAL INSPECTION CATEGORIES

```
        STRUCTURAL MASONRY
\ STRUCTURAL STEEL
    AND BOLTING
\ COMMERCIAL BUILDING
    INSPECTOR
\ REINFORCED
    CONCRETE
\ PRESTRESSED CONCRETE
\ STRUCTURAL WELDING
\ SPRAY-APPLIED
    FIREPROOFING
\ SOILS
```

| 5173018 | March 31, 2014 |
| :---: | :---: |
| $\begin{aligned} & \text { I.C.C. (centificate no.) } \\ & 5173018 \end{aligned}$ | (expiration date) March 31, 2014 |
| $\begin{aligned} & \text { 1.C.C. (certificate no.) } \\ & 5173018 \end{aligned}$ | (expiration date) March 31, 2014 |
| $\begin{gathered} \text { I.C.C. (centificate no.) } \\ 5173018 \\ \hline \end{gathered}$ | (expiration date) March 31, 2014 |
| $\begin{gathered} \text { I.C.C. (certificate no.) } \\ 5173018 \\ \hline \end{gathered}$ | (expiration date) March 31, 2014 |
| $\begin{gathered} \text { I.C.C. (certificate no.) } 5173018 \end{gathered}$ | (expiration date) March 31, 2014 |
| $\begin{aligned} & \text { l.C.C. (certificate no.) } \\ & \mathbf{5 1 7 3 0 1 8} \\ & \hline \end{aligned}$ | (expiration date) March 31, 2014 |
| $\begin{gathered} \text { LC.C. (certificate no.) } \\ \mathbf{5 1 7 3 0 1 8} \\ \hline \end{gathered}$ | (expiration date) <br> March 31, 2014 |
| I.C.C. (certificate no.) | (expiration date) |

$\square$ When I.C.C. does not have a certification exam category for the proposed special inspection(s), or when special consideration for the registered professional. [See Section 6, a, b and c, pages 4 and 5.]


Internationai Code Council 500 New Jersey Avenue, NW
Washington, DC 20001

The individual named hereon ls CERTJFED in the categorias shown, having been so cartufled pursuant to succeastul complation of the prascribad written


Not valid unles /sinned by certhicate holder. ICC Certification atteste to competent knowledge of codes and standards.


0

- The indvidual named hereon is CERTIFIED in the categorles shown, hiding been so cartlied pursuant to successtul coripletion of the prescribed written


-Devkt P Jones 4.3173038
Proitresiod Gencreta Specta lispertor - Exp. 03/31/2014 -Sols Spedialdniprectne"-Exp. 03/31/2014
$\therefore$ Struchurr-Mesoryr Spectad inspector - Exp 03/31/2014 Struchiral Wadalng Spectalnspector: : Exp, ©ev32/2014


INTERNATIONAL BUILDNG CODE SPECIAL INSPECTION SCHEDULE To be completed by Project Design Engineer/Architect

| REQURED. |  | CONTINUOUS | PERIODIC | IBC |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. Inspection of fabricators |  |  | $1704: 2$ |
|  | 2. Woad construction |  |  | 1704:6 |
| X | 3. Soils |  | $\mathrm{X} \because$ | 1704:7. |
|  | 4. Pile foundations |  |  | 1704.8 |
| X | 5. Pier foundations |  | $\bar{\chi}$ | 1704.9 |
|  | 6. Sprayed fire-resistant materials |  |  | 1704.11. |
|  | a. Surface Conditions |  |  | 1704.14.1 |
|  | b. Applicationis (temp) |  |  | 1704112 |
|  | c. Thickness |  |  | 1704.11:3 |
|  | d. Density |  |  | 1704:11.4 |
|  | e. Bond Strength |  |  | 170411.5 |
|  | 7: Exteriori insulation and finish systems |  |  | 1704.12 |
|  | 8: Special cases (e.g. epoxy, hardy panels, ICF, SIPS) |  |  | 170413 |
|  | Smoke control 909.IBC |  |  | 1704.14: |
|  | a. |  |  |  |
|  | b. | . |  |  |
|  | c. |  |  | $\cdots$ |
|  | d. |  |  |  |
|  | e. |  |  | . |

## SEISMIC RESISTANCE SPECIAL INSPECTIONS REQUIRED

| REQUIRED |  | CONTINUOUS | PERIODIC | 1 BC |
| :---: | :---: | :---: | :---: | :---: |
|  | Structural steel |  |  | 1707.2 |
|  | Structural woòd | : |  | 1707.3. |
|  | Cold-formed steel framing |  |  | 1707.4 |
|  | Storage racks\& access floors. |  |  | 1707.5 |
|  | Architectural components. |  |  | 1707.6: |
|  | Mechanical \& electrical components |  |  | $\xrightarrow{1707.7}$ |
|  | Seismic isolation systems |  |  | 17078 |

1704.3

REQURED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION


TABLE 1704:4
REQURED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

| REQ'D | VERIFICATION AND INSPECTION | CONT. | PERIODIC | IBC REF: |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. Inspection of reinforcing steel, including pre-stressing tendons, and placement. |  |  | 1903.5 1907.1 1907.7 1914.4 |
|  | 2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Ztem 5B |  |  | 1903.52: |
|  | 3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. |  |  | 1912:5 |
| $x$ | 4. Verifying use of required desigrim. |  | X | $\begin{aligned} & 1904: \\ & 1905.2 \\ & 1905.4 \\ & 1914.2 \\ & 1914.3 \end{aligned}$ |
|  | 5. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. |  |  | $\begin{aligned} & 1905.6 \\ & 1914.10 \end{aligned}$ |
|  | 6. Inspection of concrete and shotcrete placement for proper application techniques. | X |  | $\begin{aligned} & 1905: 9 \\ & 1905.10 \\ & 1914.6 \\ & 1914.7 \\ & 1914.8 \\ & \hline \end{aligned}$ |
|  | 7. Inspection for maintenance of specified curing temperature and techiniques. |  |  | $\begin{aligned} & 1905511 \\ & 1905.13 \\ & 1914.9 \end{aligned}$ |
|  | 8. Inspection of pre-stressed concrete: |  |  |  |
|  | 9. Application of pre-stressing forces: |  |  |  |
|  | 10. Grouting of bonded pre-stressing tendons in the seismic-force-resisting system. |  |  |  |
|  | 11: Erection of pre-cast concrete members. |  |  |  |
|  | 12. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs. |  |  | 1906.2. |

TABLE 1704.5.1
LEVEL 1 SPECIAL INSPECTIONS


## Statement of Special Inspections

Project: Billboard Structure, GRC Drawing Number 10-2207
Location: 501 W Moana Ln, Reno, NV
Owner: Clear Channel Outdoor
Design Professional in Responsible Charge: Gerald Carstens, GRC Engineering, Inc.
This Statement of Special inspections, which encompasses the structural discipline only, is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes both a schedule of Special Inspection services applicable to this project and a schedule of Inspection and Testing Agencies which has not been completed at the time of submission. The Owner or Owner's Agent shall complete the Schedule of Inspection and Testing Agencies, and the Building Official shall approve the individuals and firms listed as well as their individual qualifications prior to construction and/or permit issuance. GRC Engineering, Inc. is not responsible for selecting and approving individuals or firms performing the special inspections or tests.
The Special inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and to GRC Engineering, Inc., the Registered Design Professional in Responsibie Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge. Interim report frequency shall be as required by the Building Official.

A Final Report of Special inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety as well as means and methods of construction are solely the responsibility of the Contractor.

## Registered Design Professional in Responsible Charge:

Gerald Carstens, GRC Engineering, inc.


## Owners Authorization:



Building Official's Acceptance:


Design Professional Sea

$$
\text { Signature } \quad \text { Date }
$$

## Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:
Soils and Foundations
$\boxtimes$ Cast-in-Place Concrete
$\square$ Precast Concrete
$\square$ Masonry
区 Structural Steel
Cold-Formed Steel Framing
Wood Construction
$\square$ Special Cases:

| Special Inspection Agencies | Firm | Address, Telephone, e-mail |
| :--- | :--- | :--- |
| 1. Special Inspection <br> Coordinator |  |  |
| 2. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| 3. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| Items Inspecting: |  |  |
| Items Inspecting: |  |  |
| 5. Inspector/Agency |  |  |

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Page 3 of 6.
Required Verification and Inspection of Steel Construction

| Verification and Inspection | Continuous | Periodic | Referenced Standard | IBC Reference |
| :---: | :---: | :---: | :---: | :---: |
| 1. Material verification of high-strength bolts, nuts and washers: |  |  |  |  |
| a. Identification markings to conform to ASTM standards specified in the approved construction documents. | , | X | Applicable ASTM material specifications. AISC 360 Section A3. 3 | - |
| b. Manufacturer's certificate of compliance required. | - | X | - |  |
| 2. Inspection of high strength bolting: |  |  |  |  |
| a. Snug-tight connections. |  | X | AISC 360, Section M2.5 | 1704.3.3 |
| 3. Material verification of structural steel: |  |  |  |  |
| a. Identification markings to conform to ASTM standards specified in the approved construction documents. | - | - | ASTM A 6 or ASTM A 568 | 1708.4 |
| b. Manufacturers' certified mill lest reports. |  |  | ASTM A 6 or ASTM A 568 |  |
| 4. Material verification of weld filler materials: |  |  |  |  |
| a. Identification markings to conform to AWS specification in the approved construction documents. | - | - | AISC 360, Section A3. 5 | - |
| b. Manufacturer's cenificale of compliance required. |  | - | - |  |
| 5. Inspection of welding: |  |  |  |  |
| a. Structural Steel |  |  |  |  |
| 1) Complete and partial penetration groove welds. | X | - |  |  |
| 2) Mullipass filet welds. | X |  | AWS D1. 1 | 1704.3.1 |
| 3) Single-pass fillet welds $>5 / 16^{\prime \prime}$ | X |  |  |  |
| 6. Inspection of steel frame joint details for compliance with approved construction documents; |  |  |  |  |
|  |  |  |  |  |
| a. Details such as bracing and stiffening. |  | X |  |  |
| b. Member locations. |  | , | - | 1704.3. 2 |
| c. Application of joint details at each connection. |  | - |  |  |

## Required Verification and Inspection of Concrete Construction

| Verification and Inspection | Continuous | Periodic | Reforenced Standard | IBC Reforence |
| :---: | :---: | :---: | :---: | :---: |
| 1. Verifying use of required design mix | - | X | ACl 318: Ch. 4, 5.2-5.4 | $\begin{gathered} 1904.2 .2,1913.2 \\ 1913.3 \end{gathered}$ |
| 2. Inspection of concrete and shatcrete placement for proper application lechniques. | X | - | ACI 318: 5.9, 5.10 | $\begin{gathered} \text { 1913.6. 1913.7 } \\ 1913.8 \end{gathered}$ |
| 3. Inspect formwork for shape, location and dimensions of the concrete member being formed. | - | X | ACI 318: 6.1.1 | - |

## Required Verification and Inspection of Soils

| Verification and Inspection Task | Continuous During Task Listed | Periodically During Task Listed |
| :---: | :---: | :---: |
| F. Verify material below footings <br> are adequate to achieve the design <br> bearing capacity. |  |  |
| 2. Verify excavations are extended <br> to proper depth and have reached <br> proper material. |  | X |
| 3. Perform clasification and testing <br> of controiled fill materials. |  | $x$ |
| 4. Verify use of proper materials. <br> densities and lift thicknesses during <br> placement and compaction of <br> controlled fill. | $x$ |  |
| 5. Prior to placement of controlled <br> fill, observe subgrade and verify that <br> site has been prepared properly. |  |  |

Required Verification and Inspection of Pier Foundations

|  | Verification and Inspection Task | Continuous During Task Listed | Periodically During Task Listed |
| :---: | :---: | :---: | :---: |
| 1. | Observe drilling operations and maintain complete and accurate records for each pier. | $x$ | Parlodicall During Task Listod |
| 2. | Verify placement locations and plumbness, confirm pier diameters, bell diameters (If applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. | X | - |
| 3. | For concrete piers, pefform additional inspections in accordance with section 1704.4 | - | - |

## Statement of Special Inspections

Project: , Billboard Structure, GRC Drawing Number 10-2207
Location: 501 W Moana Ln, Reno, NV
Owner: Clear Channel Outdoor
Design Professional in Responsible Charge: Gerald Carstens, GRC Engineering, Inc.
This Statement of Special inspections, which encompasses the structural discipline only, is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes both a schedule of Special Inspection services applicable to this project and a schedule of Inspection and Testing Agencies which has not been completed at the time of submission. The Owner or Owner's Agent shall complete the Schedule of Inspection and Testing Agencies, and the Building Official shall approve the individuals and firms listed as well as their individual qualifications prior to construction and/or permit issuance. GRC Engineering, Inc. is not responsible for selecting and approving individuals or firms performing the special inspections or tests.

The Special Inspection Coordinator shall keep records of all inspections and shall fusnish inspection reports to the Building Official and to GRC Engineering, Inc., the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge. Interim report frequency shall be as required by the Building Official.

A Final Report of Special inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety as well as means and methods of construction are solely the responsibility of the Contractor.

## Registered Design Professional in Responsible Charge:

Gerald Carstens, GRC Engineering, Inc.


## Owners Authorization:

Building Official's Acceptance:

Signature Date

## Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:
Soils and Foundations
$\boxtimes$ Cast-in-Place Concrete
区 Structural Steel
Precast Concrete
$\square$ Cold-Formed Steel Framing
Masonry
$\square$ Wood Construction
$\square$ Special Cases:

| Special Inspection Agencies | Firm | Address, Telephone, e-mail |
| :--- | :--- | :--- |
| 1. Special Inspection <br> Coordinator |  |  |
| 2. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| 3. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| 4. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| 5. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| 6. Other |  |  |

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected ar tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing wark.

## Required Verification and Inspection of Steel Construction

| Verification and Inspection | Continuous | Periodic | Referenced Standard | IBC Reference |
| :---: | :---: | :---: | :---: | :---: |
| 1. Material verification of high-strength bolts, nuts and washers: |  |  |  |  |
| a. Identification markings to conform to ASTM standards specified in the approved construction documents. | - | X | Applicable ASTM material specifications, <br> AISC 360 Section A3. 3 | - |
| b. Manufacturer's centificate of compliance required. | - | X | - | - |
| 2. Inspection of high strength bolting: |  |  |  |  |
| a. Srug-tight connections. |  | X |  |  |
| b. Fully-Tensioned connections. | X | X | AISC 360, Section M2.5 | 1704.3.3 |
| 3. Material verification of structural steel: |  |  |  |  |
| a. Identification markings to conform to ASTM standards specified in the approved construction documents. | - | - | ASTM A 6 or ASTM A 568 | 1708.4 |
| b. Manufacturers' certified mill test reports. | - | - | ASTM A 6 or ASTM A 568 |  |
| 4. Material verification of weld filler materials: |  |  |  |  |
| a. Identification markings to conform to AWS specification in the approved construction documents. | - | - | AISC 360, Section A3.5 | - |
| b. Manufacturer's certificate of compliance reguired. | - | - | - | - |
| 5. Inspection of welding: |  |  |  |  |
| a. Structural Steel |  |  |  |  |
| 1) Complete and partial penetration groove welds. | X | - | AWS D1. 1 | 1704.3.1 |
| 2) Multipass filiet welds. | X | - |  |  |
| 3) Single-pass fillet welds $>5 / 16^{\prime \prime}$ | X | - |  |  |
| 4) Single-pass fillet welds $\leq 5 / 16^{\prime \prime}$ |  | X |  |  |
| 6. Inspection of steel frame joint details for compliance with approved construction documents: |  |  |  |  |
| a. Details such as bracing and stiffening. | - | X | - | 1704.3.2 |
| b. Member locations. | - | - |  |  |
| c. Application of joint details at each connection. | - | - |  |  |

Required Verification and Inspection of Concrete Construction

| Verification and Inspection | Continuous | Periodic | Referenced Standard | IBC Reference |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| 1. | Verifying use of required design mix | - | X | $\mathrm{ACl} 318: \mathrm{Ch} .4,5.2-5.4$ | 1904.2.2, 1913.2, <br> 1913.3 |
| 2. Inspection of concrete and shotcrete |  |  |  |  |  |
| placement for proper application <br> techniques. | X | - | $\mathrm{ACl} 318: 5.9,5.10$ | $1913.6,1913.7$, <br> 1913.8 |  |
| 3. | Inspect formwork for shape. location and <br> dimensions of the concrete member being <br> formed. | - | X | $\mathrm{ACl} 318: 6.1 .1$ | - |

Page 5 of 6 Required Verification and Inspection of Soils

| Verification and Inspection Task | Continuous During Task Listed | Periodically During Task Listed |
| :---: | :---: | :---: |
| 1. Verify material below footings <br> are adequate to achieve the design <br> bearing capacity. |  | X |
| 2. Verify excavations are extended <br> to proper depth and have reached <br> proper material. |  | X |
| 3. Perform classification and testing <br> of controlled fill materials. |  | X |
| 4. Verify use of proper materials, <br> densities and lift thicknesses duning <br> placement and compaction of <br> controlled fill. | X |  |
| 5. Prior to placement of controlled <br> fill, observe subgrade and verify that <br> site has been prepared properly. |  | x |

## Required Verification and Inspection of Pier Foundations

|  | Verification and Inspection Task | Continuous During Task Listed | Periodically During Task Listed |
| :---: | :---: | :---: | :---: |
| 1. | Observe drilling operations and maintain complete and accurate records for each pier. | X | - |
| 2. | Verify placement locations and plumbness, confirm pier diameters, bell diameters (If applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. | $x$ | - |
| 3. | For concrete piers, perform additional inspections in accordance with section 1704.4 | - | - |

# City of Reno <br> Department of Community Development Division of Building and Safety 

Acceptance or non-acceptance of application for special inspector, tester, or registered professional as being a qualified person pursuant to the International Building Code § 1704.1
(For use only by the City of Reno)

Permit number:
Project address:
501 West Moana Lane

APPLICATION ACCEPTED BY BUILDING OFFICIAL
$\overline{\text { (Print name) }}$
(Signature and date)

## APPLICATION NOT ACCEPTED BY BUILDING OFFICIAL

City of Reno

## Department of Community Development

Building \& Safety Division
Application to Perform Special Inspection and Testing Services (Chapter 17 of the International Building Code)

Permit number:
Project address:
Application number: $\qquad$

1. Name of applicant $\qquad$ Construction Materials Engineers, Inc.
2. List the special inspection and testing service duties you will perform based upon tables 1704.3 thru 1708.1 .4 of the International Building Code. 1704.3.3 - High Strength Bolting; 1704.3.1 - Welding; 1704.4-Reinforced Concrete: 1704.7-Soils
3. List and attach copies of all professional license(s) which demonstrate your competence to perform the special inspection and testing services listed in Question 2: David P. Jones -ICC special inspection cerrification for structural steel and bolting, reinforced concrete, structurai welding, soils
4. List all disciplinary actions and outcomes.

None

Each person signing below verifies that the above-named applicant meets or exceeds the International Building Code qualifications to perform each listed inspection above and will comply with all local, state, and federal laws. Each person signing below understands and agrees that the project owner or contractor or the engineer of record or architect of record acting as the owner's agent is responsible for funding the special inspection and testing services.


## INDIVIDUAL SPECLAL INSPECTOR QUALIFICATION FORM

Project Name: $\quad$ Moana Lane Widening Billboard Relocation
Project Address: $\quad 501$ West Moana Lane

Each special inspector shall complete this form and enclose a photocopy of their current special inspection pocket certificate card(s) for each inspection category desired.

## STATEMENT OF UNDERSTANDING

L,
$\longrightarrow-\frac{\text { David P. Jones }}{\text { (print name) }}$
(print name)
hereby affirm that I have been employed by

## Construction Materials Engineers, Luc.

(name of Special Inspection Agency)

6980 Sierra Center Parkway, Suite 90
Reno, NV 89511
(address, city, state and zip code)
to perform special inspection at the above stated project and that $I$ am aware that in performing this inspection, I am acting as an agent for the jurisdiction and responsible to the Building Official. I am aware that my duties include assurance of compliance with the approved (stamped) plans, specifications, the International Building Code and local ordinances and recognized construction practices which do not conflict with any of the aforementioned documents. I will submit written reports to the Building Official as required.


SPECIAL INSPECTION CATEGORIES


When I.C.C. does not have a certification exam category for the proposed special inspection(s), or when special consideration for the registered professional. [See Section $6, a, b$ and $c$, pages 4 and 5.]


International Code Council 500 New Jersey Avenue, NW Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written


Not valid unless, signed by certificate holder. ICC Certification attests to competent knowledge of codes and standards.


International Code Council 500 New Jersey Avenue, NW Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified. pursuant to successful comigletion of the prescribed written


Not valid unless signed by certificate holder. ICC Certification attests to l competent knowledge of codes and standards.


Dixylk P Jones - 5773018
Prestressed-Coniereta,Special inspector - Exp. 03/31/2014
"Soils Special'hnspector"-Exa, 03/31/2014
ii structural Messonry-Special Inspector - Exp. 03/31/2014 Sunctural Walking Speciătinspectior-Exp. 03/31/2014


## INTERNATIONAL BUILDING CODE SPECIAL INSPECTION SCHEDULE To be completed by Project Design Engineer/Architect

$\left.\begin{array}{|l|l|l|l|l|}\hline \text { REQUIRED } & & \text { CONTINUOUS } & \text { PERIODIC } & \text { IBC } \\ \hline & \text { 1. Inspection of fabricators } & & & 1704.2 \\ \hline & \text { 2. Wood construction }\end{array}\right)$

## SEISMIC RESISTANCE SPECIAL INSPECTIONS REQUIRED

| REQURED |  | CONTINUOUS | PERIODIC | IBC |
| :--- | :--- | :--- | :--- | :--- |
|  | Structural steel |  |  | 1707.2 |
|  | Structural wood |  |  | 1707.3 |
|  | Cold-formed steel framing |  | 1707.4 |  |
|  | Storage racks\& access <br> floors |  |  | 1707.5 |
|  | Architectural components |  |  | 1707.6 |
|  | Mechanical \& electrical <br> components |  | 1707.7 |  |
|  | Seismic isolation systems |  |  | 1707.8 |

1704.3

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION


TABLE 1704.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

| REQ'D | VERIFICATION AND INSPECTION | CONT. | PERIODIC | IBC REF. |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. Inspection of reinforcing steel, including pre-stressing tendons, and placement. |  | X | 1903.5 1907.1 1907.7 1914.4 |
|  | 2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B |  |  | 1903.5.2 |
|  | 3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. | X |  | 1912.5 |
|  | 4. Verifying use of required design mix. |  | X | $\begin{aligned} & 1904 \\ & 1905.2- \\ & 1905.4 \\ & 1914.2 \\ & 1914.3 \\ & \hline \end{aligned}$ |
|  | 5. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. | X |  | $\begin{aligned} & 1905.6 \\ & 1914.10 \end{aligned}$ |
|  | 6. Inspection of concrete and shotcrete placement for proper application techniques. | X |  | $\begin{aligned} & \hline 1905.9 \\ & 1905.10 \\ & 1914.6 \\ & 1914.7 \\ & 1914.8 \\ & \hline \end{aligned}$ |
|  | 7. Inspection for maintenance of specified curing temperature and techniques. |  | X | $\begin{aligned} & 1905.11 \\ & 1905.13 \\ & 1914.9 \end{aligned}$ |
|  | 8. Inspection of pre-stressed concrete: |  |  |  |
|  | 9. Application of pre-stressing forces. | X |  |  |
|  | 10. Grouting of bonded pre-stressing tendons in the seismic-force-resisting system. | X |  |  |
|  | 11. Erection of pre-cast concrete members. |  | X |  |
|  | 12. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs. |  | X | 1906.2 |

TABLE 1704.5.1
LEVEL 1 SPECIAL INSPECTIONS

| REQ'D | INSPECTION TASK | CONT. | PERIODIC | $\begin{aligned} & \mathrm{IBC} \\ & \text { REF. } \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. As masonry construction begins the following shall be verified to ensure compliance: |  |  |  |
|  | a. Proportions of site-prepared mortar. <br> b. Construction of mortar joints. <br> c. Location of reinforcement and connectors. <br> d. Pre-stressing technique <br> e. Grade and size of pre-stressing tendons and anchorages. |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  | 2. The inspection program shall verify: |  |  |  |
|  | a. Size and location of structural elements. <br> b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction. <br> c. Specified size, grade and type of reinforcement. <br> d. Welding of reinforcing bars. <br> e. Protection of masonry during cold weather (temperature below $40^{\circ} \mathrm{F}$ ) or hot weather (temperature above $90^{\circ} \mathrm{F}$ ). <br> f. Application and measurement of prestressing force. |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  | X |  |  |
|  |  |  | X | $\begin{array}{\|l\|} \hline \text { Sec } \\ 2104.3 \\ 2104.4 \end{array}$ |
|  |  |  | X |  |
|  | 3. Prior to grouting, the following shall be verified to ensure compliance: |  |  |  |
|  | a. Grout space is clean <br> b. Placement of reinforcement and connectors and pre-stressing grout for bonded tendons. <br> c. Proportions of site-prepared grout and prestressing grout for bonded tendons. <br> d. Construction of mortar joints. |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  | 4. Grout placement shall be verified to ensure compliance with code and construction document provisions. | X |  |  |
|  | a. Grouting of pre-stressing bonded tendons. | X |  |  |
|  | 5. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed. | X |  | $\begin{aligned} & \text { Sec. } \\ & 2105.2 .2 \\ & 2105.3 \end{aligned}$ |
|  | 6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified. |  | X |  |

## Statement of Special Inspections

Project: Billboard Structure, GRC Drawing Number 10-2207
Location: 501 W Moana Ln, Reno, NV
Owner: Clear Channel Outdoor
Design Professional in Responsible Charge: Gerald Carstens, GRC Engineering, Inc.
This Statement of Special inspections, which encompasses the structural discipline only, is submitted as a condition for permit issuance in accordance with the Special inspection and Structural Testing requirements of the Building Code. It includes both a schedule of Special Inspection services applicable to this project and a schedule of Inspection and Testing Agencies which has not been completed at the time of submission. The Owner or Owner's Agent shall complete the Schedule of Inspection and Testing Agencies, and the Building Official shall approve the individuals and firms listed as well as their individual qualifications prior to construction and/or permit issuance. GRC Engineering, Inc. is not responsible for selecting and approving individuals or firms performing the special inspections or tests.

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and to GRC Engineering, Inc., the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge. Interim report frequency shall be as required by the Building Official.
A Final Report of Special Inspections documenting completion of ail required Special Inspections, testing, and correction of any diserepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety as well as means and methods of construction are solely the responsibility of the Contractor.

## Registered Design Professlonal in Responsible Charge:

 Gerald Carstens, GRC Engineering, Inc.

## Owners Authorization:



## Building Official's Acceptance:

Signature Date

[^5]
## Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

| $\boxtimes$ | Soils and Foundations |
| :--- | :--- |
| Cast-in-Place Concrete | $\boxtimes$ Structural Steel |
| $\square$ Cold-Formed Steel Framing |  |
| $\square$ Precast Concrete | $\square$ Wood Construction |
| Masonry | $\square$ Special Cases: |


| Special Inspection Agencies | Firm | Address, Telephone, e-mail |
| :--- | :--- | :--- |
| 1. Special Inspection <br> Coordinator |  |  |
| Items Inspecting: |  |  |
| 2. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| 4. Inspector/Agency |  |  |
| Items Inspecting: |  |  |
| Items Inspecting: |  |  |
| Items Inspecting: |  |  |

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

Page 3 of 6 .
Required Verification and Inspection of Steel Construction

| Verification and Inspection | continuous | Periodic | Referenced Standard | IBCR Reference |
| :---: | :---: | :---: | :---: | :---: |
| 1. Material verification of high-strength bolts, nuts and washers: |  |  |  |  |
| a. Identification markings to conform to ASTM standards specified in the approved conslruction documents. | - | $x$ | Applicable ASTM material specifications, <br> AISC 360 Section A3. 3 | - |
| b. Manufacturer's certificate of compliance required. | - | X | - | - |
| 2. Inspection of high strength bolting: |  | , |  |  |
| a. Snug-tight connections. | - | X | AISC 360, Section M25 | 1704.3 .3 |
| b. Fully-Tensioned connections. | X | X | Alse 36, Section M2.5 |  |
| 3. Material verification of structurai steel: |  |  |  |  |
| a. \|aenification markings to conform to ASTM standards specified in the approved construction documents. | - | - | ASTM A 6 or ASTM A 568 | 1708.4 |
| b. Manufacturers' certified miil test reports. | - | - | ASTM A 6 or ASTM A 568 |  |
| 4. Material verification of weld filler materials: |  |  |  |  |
| a. Identification markings to conform to AWS specification in the approved construction documents. | - | - | AISC 360, Section A3.5 | - |
| b. Manufacturer's certificate of compliance required. | - | , - | - | - |
| 5. Inspection of welding: |  |  |  |  |
| a. Structural Steel |  |  |  |  |
| 1) Complete and partial penetration groove welds. | X | - |  |  |
| 2) Multipass filet welds. | $x$ | - | AWS D1.1 | 1704.3.1 |
| 3) Single-pass fillet welos > $5 / 16$ " | X | - |  |  |
| 4) Single-pass fillet welds $\leq 5 / 16^{\prime \prime}$ | - | X |  |  |
| 6. Inspection of steel frame joint detaits for compliance with approved construction documents: |  | , |  |  |
| a. Details such as bracing and stiffening. | - | $x$ |  |  |
| b. Member locations. | - | - | - | 1704.3.2 |
| c. Application of joint details at each connection. | - | - |  |  |

## Required Verification and Inspection of Concrete Construction

| Verification and Inspection | Continuous | Pariodic | Rofarenced Standard | IBC Reference |
| :---: | :---: | :---: | :---: | :---: |
| 1. Verifying use of required design mix | - | X | ACl 318: Ch. 4, 5.2-5.4 | $\begin{gathered} \hline 1904.2 .2,1913.2 . \\ 1913.3 \\ \hline \end{gathered}$ |
| 2. Inspection of concrete and shotcrete placement for proper application techriques. | X | - | ACI 318: 5.9, 5.10 | $1913.6,1913.7$ 1913.8 |
| 3. Inspect formwork for shape, location and dimensions of the concrete member being formed. | - | $x$ | ACI 318: 6.1.1 | - |

Required Verification and Inspection of Soils

| Verification and Inspection Task | Continuous During Task Listed | Periodically During Task Listed |
| :---: | :---: | :---: |
| 1. Verify material below footings are adequate to achieve the design bearing capacity. | . , | X |
| 2. Verify excavations are extended to proper depth and have reached proper material. |  | X |
| 3. Perform classification and testing of controlled fill materials. |  | X |
| 4. Verify use of proper materiais, densities and lift thicknesses during placement and compaction of controlled fill. | X |  |
| 5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly. |  | X |

## Required Verification and Inspection of Pier Foundations

|  | Verification and Inspection Task | Continuous During Task Listed | Periodically During Task Listed |
| :--- | :--- | :---: | :---: |
| 1. | Observe drilling operations and <br> maintain complete and accurate <br> records for each pier. | X |  |
| 2. | Verify placement locations and <br> plumbness, confirm pier diameters. <br> bell diameters (If applicable), <br> lengths, embedment into bedrock (if <br> applicable) and adequate end <br> bearing strata capacity. | X | - |
| 3. | For concrete piers, perform <br> additional inspections in accordance <br> with section 1704.4 |  |  |

# City of Reno <br> Department of Community Development <br> Division of Building and Safety 

Acceptance or non-acceptance of application for special inspector, tester, or registered professional as being a qualified person pursuant to the International Building Code § 1704.1
(For use only by the City of Reno)

Permit number:
Project address:

| 501 West Moana Lane |
| :--- |
| Construction Materials Engineers, Inc. |

APPLICATION ACCEPTED BY BUILDING OFFICIAL
$\overline{\text { (Print name) }}$
(Signature and date)

APPLICATION NOT ACCEPTED BY BUILDING OFFICIAL
(Print name)
(Signature and date)

# City of Reno <br> Department of Community Development <br> Building \& Safety Division 

## Application to Perform Special Inspection and Testing Services

(Chapter 17 of the International Building Code)
Permit number:
Project address:
501 West Moana Lane
Application number: $\qquad$

1. Name of applicant Construction Materials Engineers, Inc.
2. List the special inspection and testing service duties you will perform based upon tables 1704.3 thru 1708.1.4 of. the International Building Code. 1704.3.3 - High Strength Bolting; 1704.3.1 - Welding; 1704.4 - Reinforced Concrete; 1704.7-Soils
3. List and attach copies of all professional license(s) which demonstrate your competence to perform the special inspection and testing services listed in Question 2: David $P$. Jones -ICC special inspection certification for structural steel and bolting, reinforced concrete, structural welding. soils
4. List all disciplinary actions and outcomes. None

Each person signing below verifies that the above-named applicant meets or exceeds the International Building Code qualifications to perform each listed inspection above and will comply with all local, state, and federal laws. Each person signing below understands and agrees that the project owner or contractor or the engineer of record or architect of record acting as the owner's agent is responsible for funding the special inspection and testing services.


# INDIVIDUAL SPECIAL INSPECTOR QUALIFICATION FORM 

| Project Name：$\quad$ Moana Lane Widening Billboard Relocation |
| :--- |
| Project Address：$\quad 501$ West Moana Lane |

Each special inspector shall complete this form and enclose a photocopy of their current special inspection pocket certificate card（s）for each inspection category desired．

STATEMENT OF UNDERSTANDING

I，
$\frac{\text { David P．Jones }}{\text {（print name）}}$
hereby affirm that I have been employed by
Construction Materials Engineers，Inc．
（name of Special Inspection Agency）

6980 Sierra Center Parkway，Suite 90
Reno，NV 89511
（address，city，state and zip code）
to perform special inspection at the above stated project and that I am aware that in performing this inspection，I am acting as an agent for the jurisdiction and responsible to the Building Official．I am aware that my duties include assurance of compliance with the approved（stamped）plans，specifications， the Intemational Building Code and local ordinances and recognized construction practices which do not conflict with any of the aforementioned documents．I will subpit written reports to the Building Official as required．
（Signature）
SPECIAL INSPECTION CATEGORIES

| 凶 STRUCTURAL MASONRY | 5173018 | March 31， 2014 |
| :---: | :---: | :---: |
| 凶 STRUCTURAL STEEL | I．C．C．（certificate no．） 5173018 | （expiration date） |
| AND BOLTING | I．C．C．（certificate no．） | （expiration date） |
| ® COMMERCIAL BUILDING | 5173018 | March 31， 2014 |
| INSPECTOR | 1．C．C．（certificate no．） | （expiration date） |
| $\triangle$ REINFORCED | 5173018 | March 31， 2014 |
| CONCRETE | I．C．C．（certificate no．） | （expiration date） |
| $\triangle$ PRESTRESSED CONCRETE | 5173018 | March 31， 2014 |
| 区 STRUCTURAL WELDING | $\begin{aligned} & \text { I.C.C. (certificate no.) } \\ & \mathbf{5 1 7 3 0 1 8} \\ & \hline \end{aligned}$ | （expiration date） <br> March 31， 2014 |
| \ SPRAY－APPLIED | l．C．C．（certificate no．） $\mathbf{5 1 7 3 0 1 8}$ | （expiration date） <br> March 31， 2014 |
| $\boxtimes \begin{aligned} & \text { FIREPROOFING } \\ & \text { SOILS } \end{aligned}$ | $\begin{aligned} & \text { I.C.C. (cerififcate no.) } \\ & 5173018 \end{aligned}$ | （expiration date） <br> March 31， 2014 |
|  | I．C．C．（certificate no．） | （expiration date） |

When I．C．C．does not have a certification exam category for the proposed special inspection（s）， or when special consideration for the registered professional．［See Section 6，$a, b$ and $c$ ，pages 4 and 5．］


International Code Council
500 New Jersey Avenue, NW
Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written


Not valid uncles (signed by certificate holder.
ICC Certification attests to competent knowledge of codes and standards.


The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written


Not valid unless st ICC Certification attests id competent knowledge of codes and standards.


Druid P Jones - 5173018
Prestresised-Contreta Special Inspector - Exp. 0333t/2014
"Sol lm Spucharinippector:- Exp. 03/31/2014
$\therefore$ Strusural-Masonry'special inspector - Exp. $0331 / 2014$ Structural Weeding Spectilinspectir : Exp, 03r31/20i4


INTERNATIONAL BUILDING CODE SPECIAL INSPECTION SCHEDULE To be completed by Project Design Engineer/Architect

| REQUIRED |  | CONTINUOUS | PERIODIC | IBC |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. Inspection of fabricators |  |  | 1704.2 |
|  | 2. Wood construction |  |  | 1704.6 |
|  | 3. Soils |  |  | 1704.7 |
|  | 4. Pile foundations |  |  | 1704.8 |
|  | 5. Pier foundations |  |  | 1704.9 |
|  | 6. Sprayed fire-resistant materials |  |  | 1704.11 |
|  | a. Surface Conditions |  |  | 1704.11.1 |
|  | b. Applications (temp) |  |  | 1704.11.2 |
|  | c. Thickness |  |  | 1704.11.3 |
|  | d. Density |  |  | 1704.11.4 |
|  | e. Bond Strength |  |  | 1704.11.5 |
|  | 7. Exterior insulation and finish systems |  |  | 1704.12 |
|  | 8. Special cases (e.g. epoxy, hardy panels, ICF, SIPS) |  |  | 1704.13 |
|  | Smoke control 909 IBC |  |  | 1704.14 |
|  | a. |  |  |  |
|  | b. | . |  |  |
|  | c. |  |  |  |
|  | d. |  |  |  |
|  | e. |  |  |  |

SEISMIC RESISTANCE SPECIAL INSPECTIONS REQUIRED

| REQUIRED |  | CONTINUOUS | PERIODIC | IBC |
| :--- | :--- | :--- | :--- | :--- |
|  | Structural stecl |  |  | 1707.2 |
|  | Structural wood |  |  | 1707.3 |
|  | Cold-formed steel framing |  |  | 1707.4 |
|  | Storage racks\& access <br> floors | . | 1707.5 |  |
|  | Architectural components |  |  | 1707.6 |
|  | Mechanical \& electrical <br> components |  | 1707.7 |  |
|  | Seismic isolation systems |  |  | 1707.8 |

1704.3

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION


TABLE 1704.4
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

| REQ'D | VERIFICATION AND INSPECTION | CONT. | PERIODIC | 1BC REF. |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. Inspection of reinforcing steel, including pre-stressing tendons, and placement. |  | X | $\begin{aligned} & 1903.5 \\ & 1907.1 \\ & 1907.7 \\ & 1914.4 \\ & \hline \end{aligned}$ |
|  | 2. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B |  |  | 1903.5.2 |
|  | 3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. | X |  | 1912.5 |
|  | 4. Verifying use of required design mix. |  | X | $\begin{array}{\|l\|} \hline 1904 \\ 1905.2- \\ 1905.4 \\ 1914.2 \\ 1914.3 \\ \hline \end{array}$ |
|  | 5. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete. | X |  | $\begin{aligned} & 1905.6 \\ & 1914.10 \end{aligned}$ |
|  | 6. Inspection of concrete and shotcrete placement for proper application techniques. | X |  | $\begin{aligned} & 1905.9 \\ & 1905.10 \\ & 1914.6 \\ & 1914.7 \\ & 1914.8 \\ & \hline \end{aligned}$ |
|  | 7. Inspection for maintenance of specified curing temperature and techniques. |  | X | $\begin{aligned} & 1905.11 \\ & 1905.13 \\ & 1914.9 \\ & \hline \end{aligned}$ |
|  | 8. Inspection of pre-stressed concrete: |  |  |  |
|  | 9. Application of pre-stressing forces. | X |  |  |
|  | 10. Grouting of bonded pre-stressing tendons in the scismic-force-resisting system. | X |  |  |
|  | 11. Erection of pre-cast concrete members. |  | X |  |
|  | 12. Verification of in-situ concrete strength, prior to stressing of tendons in post tensioned concrete and prior to removal of shores and forms from beams and structural slabs. |  | X | 1906.2 |

TABLE 1704.5.1
LEVEL I SPECIAL INSPECTIONS

| REQ'D | INSPECTION TASK | CONT. | PERIODIC | $\begin{aligned} & \mathrm{IBC} \\ & \mathrm{REF} \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: |
|  | 1. As masonry construction begins the following shall be verified to ensure compliance: |  |  |  |
|  | a. Proportions of site-prepared mortar. <br> b. Construction of mortar joints. <br> c. Location of reinforcement and connectors. <br> d. Pre-stressing technique <br> e. Grade and size of pre-stressing tendons and anchorages. |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  | 2. The inspection program shall verify: |  |  |  |
|  | a. Size and location of structural elements.  X  <br>    X |  |  |  |
|  | b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction. |  |  |  |
|  | c. Specified size, grade and type of reinforcoment. |  | X |  |
|  | d. Welding of reinforcing bars. <br> e. Protection of masonry during cold weather | X |  |  |
|  | (temperature below $40^{\circ} \mathrm{F}$ ) or hot weather (temperature above $90^{\circ} \mathrm{F}$ ). |  | X | $\begin{aligned} & \hline \text { Sec } \\ & 2104.3 \\ & 2104.4 \end{aligned}$ |
|  | f. Application and measurement of prestressing force. |  | X |  |
|  | 3. Prior to grouting, the following shall be verified to ensure compliance: |  |  |  |
|  | a. Grout space is clean <br> b. Placement of reinforcement and connectors and pre-stressing grout for bonded tendons. <br> c. Proportions of site-prepared grout and prestressing grout for bonded tendons. <br> d. Construction of mortar joints. |  | $\bar{X}$ |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  |  |  | X |  |
|  | 4. Grout placement shall be verified to ensure compliance with code and construction document provisions. | X |  |  |
|  | a. Grouting of pre-stressing bonded tendons. | X |  |  |
|  | 5. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed. | X |  | Sec. <br> 2105.2.2 <br> 2105.3 |
|  | 6. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified. |  | X |  |


| Task | Status Date | Record Date/Time | Action By | Status | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Application Accepted | 7/3/2012 | 7/3/2012 13:26 | Terry McCullogh | Accepted w/ Review Fee |  |
| Plan Review Routing 1 | 7/5/2012 | 7/5/20128:18 | Julie Steinlage | Activate Review Process |  |
| Sign Review | 7/10/2012 | 7/10/2012 6:30 | Arvil Singleton | On Hold | With respect to the proposed project, these notes identify additional information needed to complete the review process: <br> (1) The Special Inspection package submitted is incomplete. Provide a completed Speciai Inspection package inciuding signatures of the project engineer, owner or contractor, copies of individual inspectors icC certifications. Also identify the required inspections on the Special Inspection package schedule of inspections. <br> (2) Provide a cover letter addressing the listed comment and how the comment is addressed. <br> Contact Clear Channei Outdoor/Aaron West fax 775-856-7595, ph 775-853-5255, e-mail aaronwest@clearchannel.com |
| Planning Review | 7/10/2012 | 7/10/2012 14:33 | Daniela Monteiro | On Hold | With respect to the proposed project, these notes identify additional information needed to complete the review process: <br> 1) Please provide banked receipt for $\mathrm{CC}-3$ and $\mathrm{CC}-4$. <br> 2) Site plan must demonstrate side property and front property setbacks will be met. <br> 3) Demonstrate that billboard structure is more than $300^{\prime}$ away from residential zoned property per RMC 18.16.904(b)(4) <br> 4) Notarized owner consent for billboard installation must be provided per RNC 18.16 .904 (b)(2) <br> 5) Please demonstrate distance on plans to billboards in ail directions. |
| Miscellaneous Activity (Last) | 7/10/2012 | 7/10/2012 15:12 | fulie Steinlage | Plans on Hold | Plans in SIGN hold bin awaiting Plan \& Sign rev. 7/10/12. jms |
| Miscellaneous Activity (Last) | 7/19/2012 | 7/19/2012 8:34 | julie Steinlage | Revisions Received | 1704 Special Inspection and Testing Agreement rec'd 7/19/12. Did not receive Planning rev. jms |
| Sign Review | 7/20/2012 | 7/20/2012 8:45 | Arvil Singleton | Approved w/ Revisions |  |
| Miscellaneous Activity (Last) | 7/20/2012 | 7/20/2012 9:12 | Julie Steinlage | Plans on Hold | Plans in SIGN hold bin awaiting Plan rev. 7/20/12. jms |
| Miscellaneous Activity (Last) | 7/30/2012 | 7/30/2012 13:18 | julie Steinlage | Revisions Received | Plan rev. rec'd $7 / 30 / 12 . \mathrm{jms}$ |
| Planning Review | 8/16/2012 | 8/16/2012 11:31 | Daniela Monteiro | On Hold | With respect to the proposed project, these notes identify additional information needed to complete the review process: <br> Awaiting revision letter. |
| Miscelianeous Activity (Last) | 8/16/2012 | 8/16/2012 14:03 | Julie Steinlage | Plans on Hold | Plans in SIGN hold bin awaiting Plan rev. 8/16/12.jms |
| Miscellaneous Activity (Last) | 8/21/2012 | 8/21/2012 9:42 | Julie Steinlage | Revisions Received | Planning cover letter rec'd $8 / 21 / 12$. jms |
| Planning Review | 8/21/2012 | 8/21/2012 14:47 | Daniela Monteiro | Approved | All items reviewed and addressed through Claudia Hanson |
| Miscellianeous Activity (Last) | 8/21/2012 | 8/21/2012 15:07 | Julie Steinlage | Plans Approved | IN ROUTE to Charge Out 08/21/12. Please allow some time for staff to process the plans. The applicant will be called with the price as soon as it is available. Thank you. |
| Final Charge Out | 9/4/2012 | 9/4/2012 7:56 | Julie Steinlage | Print Permit |  |
| Final Charge Out | 9/4/2012 | 9/4/2012 12:17 | Len Lipnisky | Print Permit | could not locate other |
| Permit Issued | 9/4/2012 | 9/4/2012 15:49 | Holly Miller | issue Permit |  |
| Inspection | 7/31/2013 | 7/31/2013 11:14 | Terry McCullogh | inspections Completed |  |
| Permit Closure | 7/31/2013 | 7/31/2013 11:14 | Terry McCullogh | Completed |  |


[^0]:    Subscribe Today

[^1]:    (mindals couly)

[^2]:    4 It should be noted that restrictions on relocation may raise issues under the Fifth Amendment to the U.S. Constitution which prohibits uncompensated "takings." For example, if Council were to approve a new project on land where a pre-existing billboard is located, restricting the sign owner's ability to relocate that non-conforming billboard could constitute a taking for which compensation may be required.

[^3]:    5 Presently, RMC Section 18.06.950 allows a legally-established, off-premises display to be relocated to one of the following districts: the I (Industrial), IB (Industrial Business), IC (Industrial Commercial), AC (Arterial Commercial), CC (Community Commercial) and HDC (Hotel/Casino Downtown) district when within 100 feet of a major or minor arterial road or freeway unless otherwise prohibited. The present billboard ordinance also allows for the replacement (in its original position) and repair of an existing, legally-established billboard. RMC Sections 18.06.922 and 18.05.930(E). Further, Section 18.06 .970 sets forth the circumstances under which a billboard will be deemed to be "abandoned," and provides that any abandoned billboard shall reduce the total number of off-premises advertising displays allowed.

[^4]:    RISA-3D Version 9.1.1 [C:L........i..L..1..110-2207, 501 W Moana Ln. 12-017-2061Model 10-2207.r3d] Page 6

[^5]:    Modeled after CASE Form 101

